FINAL ENVIRONMENTAL ASSESSMENT REPORT (FEAR)

for

DISTRIBUTION NETWORK

In

Gomati & South Tripura Districts Under "North Eastern Region Power System Improvement Project" NERPSIP Tranche-1, Tripura

GCI/V/PGCIL/TRIPURA/R2/FEAR/04

Prepared By

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For

TRIPURA STATE ELECTRICITY CORPORATION LIMITED (TSECL)

(A Government of Tripura Enterprise)

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For: GREEN CIRCLE, INC.

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FEAR IV – Revision 2 – January 24, 2021

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ABBREVIATIONS

ADC	Autonomous District Council
PAPs	Project Affected Persons
AP	Angle Point
ASI	Archaeological Survey of India
CBIS	Capacity Building & Institutional Strengthening
CEA	Central Electricity Authority
CPTD	Compensation Plan for Temporary Damages
CPIU	Central Project Implementation Unit
dB	Decibel
DC	District Collector
DL	Distribution Line
E&S	Environmental and Social
EHS	Environment, Health & Safety
EHV	Extra High Voltage
EMF	Electro Magnetic Field
ESMC	Environment & Social Management Cell
ESPPF	Environment and Social Policy & Procedures Framework
EMP	Environmental Management Plan
EP	Electric Pole
FCA,1980	Forest (Conservation) Act, 1980
FEAR	Final Environment Assessment Report
GCC	General Conditions of Contract
GCI	Green Circle Inc
GIS	Geographic Information System
GPS	Global Positioning System
GOI	Government of India
GoT	Government of Tripura
GRM	Grievances Redressal Mechanism
GRC	Grievance Redressal Committee
HFL	Highest Flood Level
IA	Implementing Agency
IBA	Important Bird Areas
IEAR	Initial Environmental Assessment Report
IP	Indigenous People
IUCN	International Union for Conservation of Nature
MoEF&CC	Ministry of Environment, Forest and Climate Change
NEEPCO	North Eastern Electric Power Corporation Limited
LOA	Letter of Award
NOC	No Objection Certificate
NER	North Eastern Region
NERPSIP	North Eastern Region Power System Improvement Project
NHPC	National Hydroelectric Power Corporation
O & M	Operation & Maintenance
OPs	Operational Policies
PCB	Poly Chlorinated Biphenyl
PCR	Physical Cultural Resources
PIU	Project Implementation Unit
POWERGRID	Power Grid Corporation of India Ltd.
PPEs	Personal Protective Equipment
PMU	Project Management Unit

PTCC	Power Telecom Co-ordination Committee
RoW	Right of Way
R & R	Rehabilitation and Resettlement
RRM	Random Rubble Masonry
SMF	Social Management Framework
S/S	Substation
SPCU	State Project Coordination Unit
T & D	Transmission & Distribution (T&D)
TL	Transmission Line
TSECL	Tripura State Electricity Corporation Limited
TT	Transmission Tower
WB	World Bank

WEIGHTS & MEASURES

GW	Giga Watt
Km	Kilometer
kV	kiloVolt
kW	kiloWatt
MVA	Megavolt Ampere
MW	Megawatt
Sq. meter	Square meter

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EXECUTIVE SUMMARY

North Eastern Region Power Supply Improvement Project (NERPSIP) is a World Bank (WB) funded project aimed at improving the impoverished power transmission and distribution (T&D) system in the North Eastern states (NES) of India, which is being implemented by Power Grid Corporation of India Ltd. (POWERGRID), the single transmission utility of the country as the implementing agency (IA). Although the present T&D system covers many areas of the State, it is inadequate in its reach and due to non-availability of redundant T&D system, breakdown of any transmission system element results in long term power shortages making the system highly unreliable.

The present Final Environment Assessment Report (FEAR) IV is for the part of priority works of strengthening of T&D System under Tranche-1 of NERSIP in Gomati and South Tripura districts of Tripura State. FEAR IV is associated with the construction of 19 nos 33 kV Distribution Lines (DLs) & associated 1 No of 132/33 kV S/S and 13 Nos of 33/11 kV substations (S/S). FEAR IV is undertaken to verify the actual location details of the project elements, identify possible environmental and social issues, to report any effects on the biodiversity of the region / protected area (PA), identification of the project affected people (PAP) and to assess the compliance of the Initial Environmental Assessment Report (IEAR) / Environment Management Plan (EMP) prepared and submitted by the IA. The elements / scope of the FEAR IV include:

Distribution Line (DLs):

- 33 kV line from 132/33 kV Amarpur S/S (New) to 33/11 kV Dalak S/S (New) – 14.332 km
- 33 kV line from 33/11kV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing) – 7.932 km
- 33 kV line from 132/33kV Amarpur S/S (New) to 33/11 kV Checua S/S (New) – 19.765 km
- 33 kV line from 33/11kV Taidu S/S (New) to 33/11 kV Checua S/S (Existing) – 16.215 km
- 33 kV line from 33/11kV Taidu S/S (New) to 33/11 kV Telliamura S/S (Existing) – 13.401 km
- 33 kV line from 33/11kV Maharani S/S (New) to 33/11 kV Garjee S/S (New) – 20.104 km
- 33 kV line from 33/11kV Maharani S/S (New) to 132/33 kV Udaipur (Banduar) S/S (Existing) – 6.14 km
- 33 kV line from 33/11kV Chitamara S/S (New) to 132/33 kV Garjee S/S (New) – 15.9 km
- 33 kV line from 33/11kV Karbook S/S -Lilo Point of Tirthamukh Silachari Line – 0.14 km
- 33 kV line from 33/11kV Chitamara S/S (New) to 132/33 kV Belonia S/S (New) – 9.539 km
- 33 kV line from 33/11kV Barpathari S/S (New) to LILO of Belonia-Rajnagar line – 9.627 km
- 33 kV line from 33/11kV Ekinpur S/S (New) to 33/11 kV Rajnagar S/S (Existing) – 15.978 km
- 33 kV line from 33/11kV Muhuripur S/S (New) to LILO of Jolaibari-Bagafa line – 15.683 km
- 33 kV line from 33/11kV Srinagar S/S (New) to 33/11 kV Manughat S/S (New) – 16.223 km
- 33 kV line from 33/11kV Srinagar S/S -Satchand S/S (New) – 17.644 km
- 33 kV line from 33/11kV Srinagar S/S (New) to Tapping point of Belonia-Hryshumukh Line – 15.329 km
- 33 kV line from 33/11kV Manughat S/S (New) to 132/33 kV Sabroom S/S (New) – 12.825 km
- 33 kV line from Rupaichari 33/11 kV S/S (New) to 132/33 kV Sabroom S/S (New) – 14.578 km
- 33 kV line from Rupaichari 33/11 kV S/S (New) to 132/33 kV Satchand S/S (New) – 6.913 km

Tripura, is located in the north eastern part of the country and shares international border with Bangladesh from three sides. The area of the State is 10,491 Sq.km which forms 0.32% of country's geographical area. The State lies between latitude 22°57' N and 24°33' N and longitude 91°10' and 92°20' E in NER physiographic zone. The recorded forest area of the State is 6,294 sq. km which constitutes 60% of its geographical area. Reserved forests (RF) constitute 66.33%, protected forests (PF) constitute 2% and unclassed forests (UCF) constitute 33.64%. The biological diversity of any geographical region is estimated at the level of ecosystem diversity, species diversity and genetic diversity. Tripura being a part of NER, belongs to one of the two “Hot Spot” of India amongst 18 identified in the World.

The terrain of the project districts is 50% to 60 % hilly and slopy and 40 to 50% plain through which the DLs are crossing. All the S/S are planned on plain land parcels. In case tower/pole locations are on hill terrain and where ever positioning of tower on hill top is not possible leg extension is being utilized so as to minimize/ avoid benching/ revetment and to provide great stability.

The proposed project activities include the detailed survey for finalizing the route alignment, and installation of DLs and construction of S/S (civil and electrical installation). Lattice poles are then being erected on designated places using normal excavation and foundations thereafter conductors are strung across these using manual/stringing machines. The construction of S/S is regular civil works for small buildings. The electrical installations consist of the transformers, breakers, capacitors etc. and other protection/controlling devices to ensure required power flow.

The DLs have been aligned mostly along the existing roads by avoiding dense forest areas. Here, the RoW corridor being narrower (15m for 33 kV) which further reduced the necessity of tree felling. Much of the line would only need lopping of branches for unhindered passage. The land use along the RoW of lines comprises of agricultural land, private plantation and government land. The original length of the DLs has been increased to 248.268 km from earlier 232.3 km in IEAR due to further optimization during ground truthing survey. This has resulted into reduced environmental footprints on land use and other base line data as compered from earlier identified impacts in IEAR/EMP. A total of around 11420 poles are being/to be erected for all 19 proposed DLs.

According to legal status, the project districts is blessed with 2302 ha forests having various types of flora and fauna. The final layout of DLs has been carefully selected from three given options. Final routes of DLs don't involve any monuments of historical or cultural significance. The proposed final DLs are not passing through any PA like national parks (NP), wildlife sanctuaries (WLS), designated wildlife/elephant and biosphere reserves etc., as all such areas have been completely avoided through meticulous route selection. In spite of taking due care during route selection, involvement of some forest area could not be avoided completely. Thus, provisions of the Forest (Conservation) Act (FCA), 1980 are applicable.

Amongst all 14 S/S, 33/11kV Barpathari S/S plot is involved 0.2209 Ha of Forest of Trishna WLS area. Thus, provisions of Forest (Conservation) Act (FCA), 1980 and Wildlife Protection Act, 1972 are applicable. Also 33/11 kV Ekinpur S/S involves 0.1962 Ha of RF. The required Forest clearances obtained for DL and S/S are summarized in the above table.

Sr. No.	Distribution Line / Substation	Forest Area in Ha	PA Impacted	MoEFCC Clearance Status
Distribution Lines				
1	33 kV Line from 33/11 KV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing)	2.67 Ha UGF	No	➢ Online proposal submitted on 31.07.2020 ➢ Proposal forwarded to RMoEF, Shillong on15.03.21. ➢ Observation of RMoEF, Shillong has been submitted on 26.04.2021. ➢ Stage-I obtained on 17.06.2021.
2	33 kV Line from 33/11 kV Moharipur S/S (New) to LILO of Jolaibari- Bagafa	18.19 Ha UGF and RF	No	➢ Online proposal submitted on 31.07.2020 ➢ Proposal forwarded to RMoEF, Shillong on 18.03.2021.

Sr. No.	Distribution Line / Substation	Forest Area in Ha	PA Impacted	MoEFCC Clearance Status
				➢ Discussed in REC on 27.04.2021 and got recommended in REC. ➢ Stage-I obtained on 17.06.2021.
3	33 kV Line from 33/11 KV Taidu S/S (New) to 33/11kV Teliamura S/S (Existing)	5.1 Ha of RF	No	➢ Earlier there was no forest was involved in this DL. Due to diversion of line route for NH expansion some forest stretches were unavoidable. ➢ Online proposal submitted on 04.07.2020 ➢ Proposal forwarded to RMoEF, Shillong on 15.03.2021. ➢ Discussed in REC on 27.04.2021 and got recommended in REC. ➢ Stage-I issued on 05.05.2021
4	33 kV DL from 33/11 kV Chitamara S/S (New) to 33/11kV Garjee S/S (New)	--	No	➢ Earlier there was forest area of 22.5 Ha of RF involved in the DL. However due to realignment study no forest is involved in the ROW in the current scenario.
Substations				
1	33/11kV Barpathari S/S	0.2209 Ha of RF	Trishna WLS	➢ Stage-I clearance received on 04.03.2020. ➢ Stage-II clearance (conditional) issued on 18.03.2021. ➢ Working permission issued on 10.05.2021 ➢ National Board for Wildlife (NBWL) permission for Trishna WLS is obtained on 17.12.2019
2	33/11 kV Ekinpur S/S	0.1962 Ha of RF	No	➢ Stage-I clearance received on 02.04.2020 ➢ Stage-II clearance obtained on 12.10.2020

The area of land required for S/S is ranges from 0.4 to 4.0 acres. In the instant case land required for S/S are already in possession with Tripura State Electricity Corporation Limited (TSECL) and hence no fresh land is needed to be acquired. Where the private land is required i.e., at 132/33 kV Amarpur, 33/11 kV Taidu and 33/11 kV Manughat, the land is purchased directly from the land owner at agreed rate. Since no involuntary acquisition is involved, issue related to acquisition of land including possible R&R is not envisaged. The infrastructure facilitates required for the construction and maintenance of S/S like access road, water, transport facility is well available. Hence no new infrastructure demand is envisaged. The present project requires very less vehicular movement and that too restricted to construction period only. During site survey it is observed that project execution is not resulted into large traffic volume in the area.

During the site selection and detailed survey of DLs, it has been ensured that these are kept away from oil/gas pipelines and other sites with potential for creating explosions or fires. The equipment installed on lines and S/S are static in nature and do not generate any fumes or waste materials. Apart from this, state of art safety instruments, fire safety equipment and firefighting design have been included in the design in the S/S on both the ends, so that, the line gets tripped within milliseconds in case of any fault. The lines proposed under this scheme

don't involve any tower/ pole to be placed in river bed which could interfere with existing drainage patterns.

All the DLs are planned at suitable elevation to avoid any chances of impacts due to flood like situation. All the S/S subproject areas are located at such places where least chances of flooding are observed. However, adequate measures are taken into consideration from design stage to implement the flood, erosion protection measures like construction of retaining wall, boundary wall along with sewerage system. The S/S are designed and constructed at suitable elevation from the ground / flood levels and proper storm water drainage system is implemented. In S/S, all drainage channels along or inside S/S are being trained and connected to main or existing drainage to avoid any erosion due to uncontrolled flow of water. This will help to dispose of the storm water collected in the S/S premises, further creating recharge or percolation pits which will help to recharge the ground water table. Almost all S/S are provided with recharge pits. All these mandatory requirements with detailed specifications with respect to equipment design and S/S drainage and sewage design has been included in tender document to avoid any incidence of land and water contamination.

While construction, utmost care was taken to prevent tree felling, mostly, trees were trimmed to carry out work as far as possible. However, in unavoidable situation, in case of trees cutting in forest area, compensatory afforestation on two times the area of degraded forest land is undertaken by State Forest department subsequently the stipulated conditions recommended in Forest clearances obtained under FCA 1980 and is in implementation process. Tree cutting in non-forest areas are executed strictly under the provisions Electricity Act, 2003/ Indian Telegraph Act, 1885. TSECL pays compensation to affected land owners towards damages and/or utilization of their land for tower footing if any during implementation of transmission project as well as during operation and maintenance phase under this act. For the true value assessment of timber yielding trees, due concern of forest officials is taken and for fruit bearing trees help of Horticulture department is taken. As per existing law, land for tower/pole & ROW is not acquired and ownership of land remains with the owner and agricultural activities are allowed to continue after construction is over. However, in the instant project DL construction and DL pole footings do not require removal of tree and hence no tree compensation is required.

During visit to site, it has been observed that excavated pits and all accident-prone areas are appropriately barricaded for safety. All safety measures are in place to avoid fire / explosion hazards. Excavated material from S/S sites are well stored on site and reutilized for levelling and backfilling following C&D Rules 2016 of GoI. Construction management practice has helped in to reduce the soil erosion. No surplus excavated material dumping from S/S site to outside premises is envisaged. Pole footings involve very small-scale excavation which is reutilized for backfilling. Impact envisaged during the construction is limited to the boundaries of proposed S/S only. Construction and operation of S/S may raise Ground Noise levels. However, measures like providing sound and vibration dampers and rectification of equipment are undertaken. Environmental quality for Noise and Water is being regularly monitored at S/S locations by construction contractor. Noise levels are observed below the maximum allowable limit which is 90db for 8 hours in the working area. Also, the water quality is observed to be suitable for drinking purpose.

Necessary care is taken by the contractor for workers health and safety and issues relating to operational health and safety have also been adequately addressed. The labours are provided with PPE kits, safety gear and provisions for first-aid and arrangement for shifting of affected

persons to nearby hospitals are also in place. Compensation for injury and death has been ensured through provisions in Safety Plan & Contract condition. Proper sanitation facilities and safe drinking water are being provided in the project locations. The site managers have been advised to ensure that there are no instances of open defecation.

The monitoring committee i.e., IA of this project is very vigilant. It has been observed that concerns of public are addressed/informed regularly about project through public consultation process which started from project planning, continued in the construction period and will be continued in operation and maintenance also. As per record available, no written complaint or court case is registered against any of the sub projects. It has been observed from surveys, public meetings and discussion with PAP, that they are appreciating the efforts taken by both the government and funding agencies to improve power network of that area. Local people believe that this project will enhance their quality of life, as well as this project, will help them to get new income sources in near future like the engagement of skilled and semiskilled people in the T&D subprojects from the local areas.

Overall, the planning and layout of the project elements have been undertaken in a judicious manner so as to ensure minimum environmental impact. During the implementation phase, especially during construction phase, IA is regularly monitoring the implementation of EMP and OHS compliance with reference to the IEAR. The Capacity building and Institutional Strengthening program of the IA is held intermittently to enhance the skills of the project officials. Further, meetings between IA and TSECL are held on a regular basis to assess the work progress and difficulties encountered. However, following suggestions may be considered to further improvement in the safeguard measures;

- E & S capacity development programs for officials of IA & Utility need to be organized more frequently for better understanding of project safeguards requirements during construction and O & M phase;
- IA needs to ensure strict compliance of the contract provisions/EMP by Contractor especially in respect of workers health and safety during the construction phase.

Construction on S/S and DL sites of is under progress. Most of the S/S construction is work is not started yet. Our observations from site inspections, where the construction work is started, are concluded that the EMP is being implemented on-site at major. Regular monitoring of work progress is being carried out. The FEAR provides insight on possible environmental & social issues and also describes management measures to minimize/mitigate it based on TSECL's Environmental and Social Policy & Procedures Framework (ESPPF). The present report describes the environmental issues/effects that have been encountered or may arise due to setting up this project in the state of Tripura and various mitigation measures are being taken care of by POWERGRID during construction and maintenance stages. However regular monitoring and compliance report are recommended to compare the EMP implementation progress periodically and shortcomings if any. This can be a part of the monthly progress report.

1. PROJECT DESCRIPTION

1.1.Background

India's North East Region (NER) stretches across the eastern foothills of the Himalayan Mountain range and is comprised of seven states including Assam, Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, and Tripura. NER in India is endowed with rich energy resources but faces significant bottlenecks in electricity access and availability levels. The per capita power consumption in NER is one-third of the national average. No significant generation capacity has been added between 2004 and 2011 as a result of which inadequate power supply remains a critical constraint to sustainable and inclusive growth, and to scaling up private investment and economic competitiveness in the NER.

The power-starved NER, comprising Arunachal Pradesh, Assam, Manipur, Meghalaya,Mizoram, Nagaland, Sikkim and Tripura, is blessed with a huge hydro potential. The region also has abundant resource of coal, oil and gas for thermal power generation. According to the estimates of the North Eastern Electric Power Corporation (NEEPCO), the NER has the potential of about 58971 MW hydro power i.e., almost 40% of the country's total hydro potential; but out of this only less than 2% (1095MW) has so far been harnessed. As per the report status of hydroelectric power potential listed by Central Electricity Authority (CEA) out of the total capacity of 58971MW, only 4029 MW has been tapped, which amounts to less than7%. The region has a reserve of 151.68 billion cubic feet natural gas, which is capable of generating 7500 MW for 10 years. The region is also blessed with 864.78 million tons of coal against 186 billion tons of reserves in the country. With this reserve in the NER, approximately240 MW/day can be generated for a period of 100 years.

But, in spite of such huge potential, the region ranks lowest in the country in terms of power generation and per capita energy consumption mainly due to lack of proper planning, inhospitable climatic conditions, remote location and inaccessibility. However, with continual improvement of infrastructure and communication facilities, the NE stands to become the power house of India by utilizing its surplus power potential, especially in hydel sector. The region offers a large potential in renewable energy, which is also yet to be exploited. There is also an imbalance between hydel and thermal power, both in terms of generation and availability. The T&D sector are the weakest link of the electricity industry in the NER. Huge T&D losses, estimated to be at over 40 %, lower tariffs as compared to costs of generation and transmission and mounting losses of the state electricity boards, are crippling the electricity sector of the region.

The road-map for development of power sector specifying the need for strengthening of overall Transmission, Sub-transmission system of NER and Sikkim was brought out in the "Pasighat Proclamation on Power" released during the first Sectoral Summit of North Eastern Council (NEC) at Pasighat in Arunachal Pradesh in January 2007. Pursuant to recommendations of Pasighat summit, a Sub-Group was constituted under the Chairmanship of Member (Power System), CEA on Transmission, Sub-transmission related issues in NER.

Recognizing that intra-state T&D systems in the NER states have remained very weak and that there is a critical need to improve the performance of these networks, the CEA developed a comprehensive scheme in December 2007 for the NER in consultation with POWERGRID and the concerned state governments. This scheme is intended to (a) augment the existing T&D infrastructure to improve the reliability of service delivery across all the NER states and (b)

build institutional capacity of the power utilities and departments in the NER. This scheme is part of the Government of India's (GoI) wider efforts to develop energy resources in the NER for electricity supply within the region, to strengthen transmission networks, expand and strengthen sub-transmission systems, and extend last mile electricity connectivity to household.

GoI with the financial assistance of the World Bank (WB) has planned a composite scheme viz. "North Eastern Region Power System Improvement Project" (NERPSIP) to create / augment robust intrastate infrastructure/network of T&D in the region. The scheme covers six North Eastern States (Assam, Meghalaya, Manipur, Tripura, Nagaland & Mizoram) to create a robust power network by improving the intra-state T&D (33kV and above) network with required capacity building initiatives for effective utilization of assets. In 2016, the WB has approved a loan (IBRD 470 USD Million) to the GoI for NERPSIP on 50:50 (WB loan: Gol) basis except the component of capacity building for Rs. 89 crore, which GoI will bear entirely. The scheme is to be taken up under a new Central Sector Plan Scheme of Ministry of Power (MoP).

MoP, GoI has appointed POWERGRID as Implementing Agency (IA) to six NER States for the said project under Tranche-1 in close coordination with the respective State Governments / Utilities. However, the ownership of the assets shall be with the respective State Utilities / State Government which upon progressive commissioning shall be handed over to them for taking care of Operation and Maintenance (O&M) of assets. POWERGRID is also facilitating in building the institutional capacity of the state departments and utilities to continue managing the rehabilitated networks in an efficient manner. The state wise scope of works proposed under Tranche-1 is given below in **Table 1-1**.

Table 1-1: State Wise Scope of Work Proposed Under Tranche-1

State	Transmission and S/S (132kV & above)			Distribution (33kV)		
	Line (km)	New S/s (No.)	Total MVA (New & Aug.)	Line (km)	New S/s (No.)	Total MVA (New & Aug.)
Assam	233	11	1644	479	16	240
Manipur	254	2	160	131	13	229.4
Meghalaya	225	4	940	263	11	135
Mizoram	143	3	125	5	1	6.3
Nagaland	193	5	245	60	10	200
Tripura	261	9	1306.5	1096	34	450.5
Total	1309	34	4420.5	2034	85	1261.2

The project has two components namely Component A: Priority Investments for Strengthening Intrastate Transmission, Sub-transmission, and Distribution Systems, and Component B: Technical Assistance for Capacity Building and Institutional Strengthening (CBIS) of Power Utilities and Departments of Participating States. The total project cost is **Rs. 5111.33 Crore** with financing from both GoI and Bank on 50:50 basis. The Bank is providing financial support to the tune of US$ 470 million (**Rs. 2511.165 Crore**) under the Loan No.-8631-IN which was signed on 28th November, 2016 and became effective from 20th February, 2017. The loan closing date is 31st March, 2023. The remaining financing including capacity building will be met through Govt. of India funding. Details of State wise funding is placed below in **Table 1.2.**

Table 1-2 **State Wise Funding from World Bank Under Tranche-1**

State	World Bank	Government of India		Total (Rs. in Cr.)
	Project Cost (Rs. in Cr.)	Project Cost (Rs. in Cr.)	Capacity Building (Rs. in Cr.)	
Assam	729.485	729.485	14.83	1473.803
Manipur	213.690	213.690	14.83	442.213
Meghalaya	381.050	381.050	14.83	776.933
Mizoram	150.965	150.965	14.83	316.763
Nagaland	357.290	357.290	14.83	729.413
Tripura	678.685	678.685	14.83	1372.203
Total	**2511.165**	**2511.165**	**89.00**	**5111.33**

1.2.Project Justification

The State of Tripura is spread over an area of about 10,492[1] km^2 with a population of more than 37 Lakhs. The State of Tripura is endowed with rich energy resources but faces significant bottlenecks in electricity access and availability levels. The present per capita energy consumption is of the order of 335 units (kWh) against the regional per capita consumption of about 258 units and national per capita consumption of about 779 units. The State meets its power requirement through about 164.5 MW of self- generation and about 105 MW of power allocation from various central sector generation projects of NHPC and NEEPCO. The present average peak demand is of the order of 250 MW. As most of the generation projects in the north eastern region are hydro in nature, the State faces shortage of power during low-hydro generation condition.

Summary of subprojects to be implemented in the State in Tranche-1 under NERPSIP along with capacity addition is described below. Presently, the State draws its share of power from central sector generating stations through following inter-state transmission system (ISTS):

- Agartala GPP – Agartala (Tripura) 132kV D/C
- Agartala GPP – Kumarghat (POWERGRID) 132 S/C
- Kumarghat (POWERGRID) – Aizwal (POWERGRID) 132kV S/C
- Kumarghat (POWERGRID) – Badarpur (POWERGRID) 132kV S/C
- Dharamanagar(Tripura) – Dullavcherra (Assam) 132kV S/C
- Pallatana (OTPC) – Silchar (POWERGRID) 400kV D/C
- Pallatana (OTPC) – Surjamaninagar (Tripura) 400kV D/C (initially operated at 132kV)

As per the 18th Electric Power Survey of CEA, the future demand of the State is expected to grow to about 340 MW by year 2016-17 and 472 MW by year 2021-22. This shall be met through various hydro and thermal projects coming up in the north-eastern region in near future, which are as follows:

- Pallatana GBPP : 726 MW
- Bongaigaon TPS : 750 MW
- Kameng HEP : 600 MW
- Lower Subansiri HEP : 2000 MW

The State has a share of about 316 MW from these future generation schemes. With this, the total share of the State from central sector generating stations shall be about 421 MW. Following lines have been planned to transfer power from these future generation schemes to the state of Tripura:

- Surjamaninagar (Tripura) - Purba Kanchanbari (Tripura) 400kV D/C (to be initially operated

at 132kV)

- Purba Kanchanbari (Tripura) – Silchar (POWERGRID) 400kV D/C (to be initially operated at 132kV)

The present intra-state transmission system of the State is quite old & weak and is unable to cater to the growing power requirements of the State. Although the present T&D system covers many areas of the State, it is inadequate in its reach and appropriate T&D system. Breakdown of any transmission system element results in long term power shortages making the system highly unreliable. Besides, some of the network elements have undergone long term outage due to break-down. Therefore, it has become essential to address the above situation through remedial measures in the T&D system. Accordingly, phase-wise strengthening of T&D system has been proposed.

The transmission schemes proposed under this report are priority schemes under Tranche-1 and are essential for improving the power supply situation in the State. Implementation of these schemes will improve quality, reliability, security and enhancement of the power supply in the State.

1.3.Benefit of the Project

The proposed T&D schemes not only improve overall power supply situation but also improve reliability, quality, security and enhancement of power supply in the State.

1.4.Project Highlights

Table 1-3: Details of project

Sr. No.	Particulars	Details
1	Project Name	NERSPIP – Tranche- I, Tripura
2	Location	Different parts of Tripura State
3	Beneficiary States	Tripura
4	Project Cost	Rs.1372 Cr.
5	Commissioning Schedule	2019

1.5.Project Scope and Present Study

In line with Environment and Social Policy & Procedures Framework (ESPPF) of Tripura State Electricity Corporation Ltd (TSECL), POWERGRID carried out comprehensive environment and social assessment of each subproject and prepared Initial Environment Assessment Report (IEAR). These reports were subsequently disclosed for public information both on the State Utility, POWERGRID and Bank website after obtaining clearance from the WB.

As mandated in the ESPPF, a Final Environment Assessment Report (FEAR) for each subproject need to be prepared with an objective to assess the compliance of mitigation measures identified in IEAR including implementation of EMP provisions by IA/ Contractor. However, as per Project Agreement signed between POWERGRID and WB such study is required to be undertaken by Independent Agencies as per Term of Reference (TOR) agreed with WB. As a part of this development, POWERGRID appointed GREEN CIRCLE, INC as independent consultant vide LOA Ref No.: NEGW/C&M/NERPSIP/18-19/700-14/LOA-51/468 dated 31st December 2018 to carry out FEAR study.

1.5.1 Project Scope Components

FEAR is undertaken to verify the actual location details of the project elements like 33/11 kV DLs and associated S/S in Gomati and South Tripura districts of Tripura State covered under NERPSIP. The scope covered is identification and examination of deviation of environmental and social issues as addressed in IEAR, reporting of effects on the biodiversity of the region / PA, identification of the project affected people (PAP) and assessment of onsite compliance of the Initial Environmental Assessment Report (IEAR) / Environment Management Plan (EMP) prepared and submitted by the IA. The study is carried out adhering to ESPPF of TSECL, Operation Policies of WB designated for Electric Power T&D projects. Refer **Table No. 1.4** for the project scope components.

Table 1-4: Project Scope Components

Sr. No.	Distribution Line	Substation
1	33 kV Line from 132/33 kV Amarpur S/S (New) to 33/11 kV Dalak S/S (New) – 14.332 km	Establishment of 2x50 MVA, 132/33 kV new substation at Amarpur
2	33 kV Line from 33/11 KV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing)- 7.932 km	Establishment of 2x5 MVA, 33/11 kV new substation at Dalak (Chelagang)
3	33 kV Line from 132/33 kV Amarpur S/S (New) to 33/11kV Checua S/S (New)- 19.765 km	Establishment of 2x5 MVA, 33/11 kV new substation at Checua.
4	33 kV Line from 33/11 kV Taidu S/S (New) to 33/11kV Checua S/S (New) – 16.215 km	Establishment of 2x5 MVA, 33/11 kV new substation at Taidu
5	33 kV Line from 33/11 KV Taidu S/S (New) to 33/11kV Teliamura S/S (Existing) – 13.401 km	
6	33 kV Line from 33/11 kV Maharani S/S (New) to 33/11kV Garjee S/S (New) – 20.104 km	Establishment of 2x5 MVA, 33/11 kV new substation at Maharani
7	33 kV Line from 33/11 kV Maharani S/S (New) to 132/33kV Udaipur (Banduar) S/S (Existing) -6.14 km	
8	33 kV Line from 33/11 kV Chitamara S/S (New) to 33/11kV Garjee S/S (New) – 15.90 km	Establishment of 2x5 MVA, 33/11 kV new substation at Garjee
9	33 kV Line from 33/11kV Karbook S/S (New) - LILO point of Tirthamukh Silachari Line- 0.140 km	Establishment of 2x5 MVA, 33/11 kV new substation at Karbook
10	33 kV Line from 33/11 kV Chitamara S/S (New) to 132/33kV Belonia S/S (New) – 9.539 km	Establishment of 2x5 MVA, 33/11 kV new substation at Chittamara
11	33 kV Line from 33/11kV Barpathari S/S (New) to LILO of Belonia-Rajnagar line -9.627 km	Establishment of 2x5 MVA, 33/11 kV new substation at Barpathari
12	33 kV Line from 33/11 kV Ekinpur S/S (New) to 33/11kV Rajnagar S/S (Existing) – 15.978 km	Establishment of 2x5 MVA, 33/11 kV new substation at Ekinpur
13	33 kV Line from 33/11 kV Moharipur S/S (New) to LILO of Julaibari- Bagafa line -15.683 km	Establishment of 2x5 MVA, 33/11 kV new substation at Moharipur
14	33 kV Line from 33/11 kV Srinagar S/S (New) to 33/11kV Manughat S/S (New)- 16.223 km	Establishment of 2x5 MVA, 33/11 k new substation at Srinagar
15	33 kV Line from 33/11 kV Srinagar S/S (New) to 132/33kV Satchand S/S (new) – 17.644 km	
16	33 kV Line from 33/11 kV Srinagar S/S (New) to Tapping point of Belonia- Hryshumukh Line – 15.329 km	
17	33 kV Line from 33/11 kV Manughat S/S (new) to 132/33kV Sabroom S/S (new) – 12.825 km	Establishment of 2x5 MVA, 33/11 kV new substation at Manughat
18	33kV Line from 33/11 kV Rupaichari S/S (New) to 132/33kV Sabroom S/S (new) – 14.578 km	Establishment of 2x5 MVA, 33/11 k new substation at Rupaichari
19	33kV Line from Rupaichari 33/11 kV S/S(new) to 132/33kV Satchand S/S (new)- 6.913 km	

The project activities include the survey for finalizing the route alignment and installation of DL and construction of S/S (civil and electrical installation). Lattice poles are then erected on designated places using normal excavation and foundations thereafter conductors are strung across these using manual/stringing machines. The construction of S/S is regular civil works for small buildings. The electrical installations consist of the transformers, breakers, capacitors etc. and other protection/controlling devices to ensure required power flow.

A power map showing the transmission grid of Tripura highlighting the above DLs and other new projects placed as **Figure 1 and Annexure 1.** Schematic map showing the various projects covered under the subject FEAR is placed in **Figure 2 and Annexure 2.**

Figure 1 Power Map of Tripura

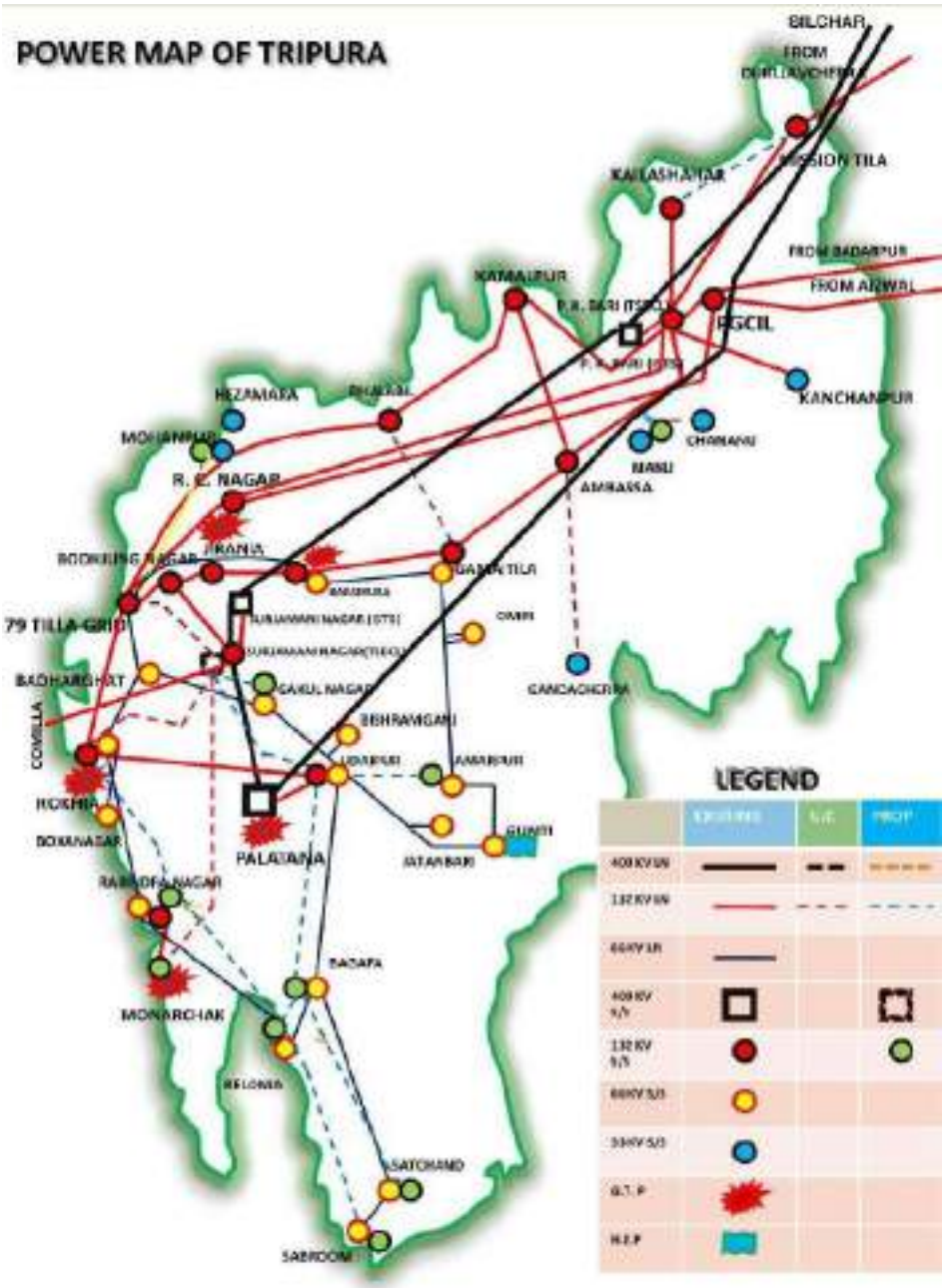
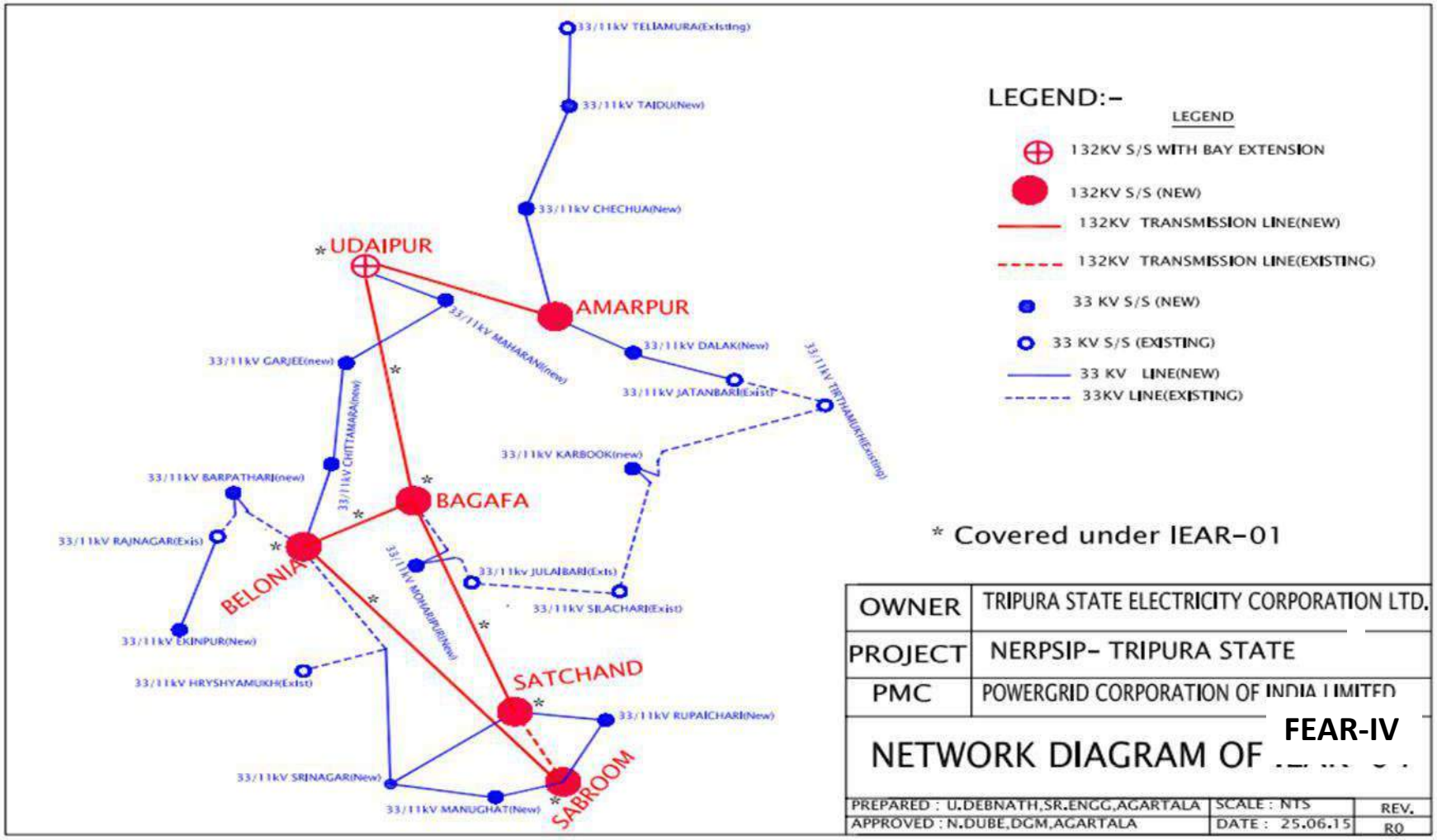


Figure 2 Schematic Map Showing Proposed T&D network in Gomati and South Tripura Districts under NERPSIP



1.6.Overall Project Progress

A brief status on project implementation progress of various T&D components till May 2021 is presented below;

Table 1-5: Status of the Project as on Date (May 2021)

Sr. No.	Name of the T&D Component
A. DISTRIBUTION SCHEME: AGENCY - M/S TECHNOFAB ENGINEERING LTD.	
1	**33 kV Line from 132/33 kV Amarpur S/S (New) to 33/11 kV Dalak S/S (New)**

DL length: 14.332 Km.

Description	Unit	Total Quantity	Progress as on date
Pole Fdn. & Erection	Nos.	635	432
Stringing of Conductor	Km.	14.332	Not Started Yet
Stringing of OPGW	Km.	14.332	Not Started Yet

Expected Completion Date: December 2021

2	**33 kV Line from 33/11 KV Dalak S/S (New) vc to 33/11 kV Jatanbari S/S (Existing)**

DL length: 7.932 Km.

Description	Unit	Total Quantity	Progress as on date
Pole Fdn. & Erection	Nos.	324	Not Started Yet
Stringing of Conductor	Km.	8.4	Not Started Yet
Stringing of OPGW	Km.	8.4	Not Started Yet

Expected date of Completion: December 2021

3	**33 kV Line from 132/33 kV Amarpur S/S (New) to 33/11kV Checua S/S (New)**

DL length: 19.765 Km.

Description	Unit	Total Quantity	Progress as on date
Pole Fdn. & Erection	Nos.	806	154
Stringing of Conductor	Km.	19.765	Not Started Yet
Stringing of OPGW	Km.	19.765	Not Started Yet

Expected date of Completion: December 2021

4	**33 kV Line from 33/11 kV Taidu S/S (New) to 33/11kV Checua S/S (New)**

DL length: 16.215 Km.

Description	Unit	Total Quantity	Progress as on date
Pole Fdn. & Erection	Nos.	815	10
Stringing of Conductor	Km.	16.215	Not Started Yet
Stringing of OPGW	Km.	16.215	Not Started Yet

Expected date of Completion: December 2021

5	**33 kV Line from 33/11 KV Taidu S/S (New) to 33/11kV Teliamura S/S (Existing)**

DL length: 13.401 Km.

Description	Unit	Total Quantity	Progress as on date
Pole Fdn. & Erection	Nos.	750	5
Stringing of Conductor	Km.	13.041	Not Started Yet
Stringing of OPGW	Km.	13.041	Not Started Yet

Expected date of Completion: December 2021

6	**33 kV Line from 33/11 kV Maharani S/S (New) to 33/11kV Garjee S/S (New)**

Sr. No.	Name of the T&D Component

DL length: 20.104 Km.

Description	Unit	Total Quantity	Progress as on date
Pole Fdn. & Erection	Nos.	458	336
Stringing of Conductor	Km.	14.625	0.5
Stringing of OPGW	Km.	14.625	Not Started Yet

Expected date of Completion: December 2021

7 33 kV Line from 33/11 kV Maharani S/S (New) to 132/33kV Udaipur (Banduar) S/S (Existing)

DL length: 6.14 Km.

Description	Unit	Total Quantity	Progress as on date
Pole Fdn. & Erection	Nos.	336	192
Stringing of Conductor	Km.	6.140	Not Started Yet
Stringing of OPGW	Km.	6.140	Not Started Yet

Expected date of Completion: December 2021

8 33 kV Line from 33/11 kV Chitamara S/S (New) to 33/11kV Garjee S/S (New)

DL length: 15.90 Km.

Description	Unit	Total Quantity	Progress as on date
Pole Fdn. & Erection	Nos.	578	77
Stringing of Conductor	Km.	15.9	Not Started Yet
Stringing of OPGW	Km.	15.9	Not Started Yet

Expected date of Completion: December 2021

9 33 kV Line from 33/11kV Karbook S/S (New) - LILO point of Tirthamukh Silachari Line

DL length: 0.140 Km.

Line test charged on 09.01.2020

10 33 kV Line from 33/11 kV Chitamara S/S (New) to 132/33kV Belonia S/S (New)

DL length: 9.539 Km.

Description	Unit	Total Quantity	Progress as on date
Pole Fdn. & Erection	Nos.	500	130
Stringing of Conductor	Km.	9.539	Not Started Yet
Stringing of OPGW	Km.	9.539	Not Started Yet

Expected date of Completion: December 2021

11 33 kV Line from 33/11kV Barpathari S/S (New) to LILO of Belonia-Rajnagar line

DL length: 9.627 Km.

Description	Unit	Total Quantity	Progress as on date
Pole Fdn. & Erection	Nos.	359	101
Stringing of Conductor	Km.	9.627	Not Started Yet
Stringing of OPGW	Km.	9.627	Not Started Yet

Expected date of Completion: December 2021

12 33 kV Line from 33/11 kV Ekinpur S/S (New) to 33/11kV Rajnagar S/S (Existing)

DL length: 15.978 Km.

Description	Unit	Total Quantity	Progress as on date
Pole Fdn. & Erection	Nos.	767	Not Started Yet
Stringing of Conductor	Km.	15.918	Not Started Yet
Stringing of OPGW	Km.	15.918	Not Started Yet

Sr. No.	Name of the T&D Component

Expected date of Completion: December 2021

13 33 kV Line from 33/11 kV Moharipur S/S (New) to LILO of Julaibari Bagafa line

DL length: 15.683 Km.

Description	Unit	Total Quantity	Progress as on date
Pole Fdn. & Erection	Nos.	569	Not Started Yet
Stringing of Conductor	Km.	15.683	Not Started Yet
Stringing of OPGW	Km.	15.683	Not Started Yet

Expected date of Completion: December 2021

14 33 kV Line from 33/11 kV Srinagar S/S (New) to 33/11kV Manughat S/S (New)

DL length: 16.223 Km.

Description	Unit	Total Quantity	Progress as on date
Pole Fdn. & Erection	Nos.	535	Not Started Yet
Stringing of Conductor	Km.	16.223	Not Started Yet
Stringing of OPGW	Km.	16.223	Not Started Yet

Expected date of Completion: December 2021

15 33 kV Line from 33/11 kV Srinagar S/S (New) to 132/33kV Satchand S/S (new)

DL length: 17.644 Km.
Gangs deployed: 1

a. Foundation / Erection: 0
b. Stringing: 0

Description	Unit	Total Quantity	Progress as on date
Pole Fdn. & Erection	Nos.	598	177
Stringing of Conductor	Km.	19.349	Not Started Yet
Stringing of OPGW	Km.	19.349	Not Started Yet

Expected date of Completion: December 2021

16 33 kV Line from 33/11 kV Srinagar S/S (New) to Tapping point of Belonia- Hryshumukh Line

DL length: 15.329 Km.

Description	Unit	Total Quantity	Progress as on date
Pole Fdn. & Erection	Nos.	505	136
Stringing of Conductor	Km.	15.329	Not Started Yet
Stringing of OPGW	Km.	15.329	Not Started Yet

Expected date of Completion: December 2021

17 33 kV Line from 33/11 kV Manughat S/S (new) to 132/33kV Sabroom S/S (new)

DL length: 12.825 Km.

Description	Unit	Total Quantity	Progress as on date
Pole Fdn. & Erection	Nos.	427	27
Stringing of Conductor	Km.	12.825	Not Started Yet
Stringing of OPGW	Km.	12.825	Not Started Yet

Expected date of Completion: December 2021

18 33kV Line from 33/11 kV Rupaichari S/S (New) to 132/33kV Sabroom S/S (new)

DL length: 14.578 Km.

Description	Unit	Total Quantity	Progress as on date
Pole Fdn. & Erection	Nos.	495	121
Stringing of Conductor	Km.	14.578	Not Started Yet

Sr. No.	Name of the T&D Component			
	Stringing of OPGW	Km.	14.578	Not Started Yet

Expected date of Completion: December 2021

19 33kV Line from Rupaichari 33/11 kV s/s(new) to 132/33kV Satchand S/S (new)

DL length: 6.913 Km.

Line completed in 31.03.2021

B. SUBSTATIONS

1 Establishment of 2x50 MVA, 132/33 kV new substation at Amarpur: AGENCY - M/s SPML Infra Ltd

Sr. No	Description	Unit	Total Quantity	Progress as on date
1.	Site levelling	%	100	70%
2.	Boundary Wall	RM	575	Brick work completed upto 252.5m.
3.	Control Room / GIS Bldg.	%	100	WIP
4.	FF Pump House	%	100	Not started yet
5.	Transf. / Reactor Fdn.	Nos.	4	Not started yet
6.	Tower / LM Fdn.	Nos.	27	WIP
7.	Equipment Fdn.	Nos.	138	Not started yet
8.	Road Construction	RM	100	Not started yet
9.	Drain Construction	RM		Not started yet
10.	Cable Trench	RM		WIP
11.	Tower Erection	Nos.	27	Not started yet
12.	Eqpt erection	Nos.	138	Not started yet
13.	Transformer Erection	Nos.	4	Not started yet
14.	Testing and commissioning	%	100	Not started yet.

Expected Completion of work on site: December 2021

2 Establishment of 2x5 MVA, 33/11 kV new substation at Dalak (Chelagang): AGENCY - M/S TECHNOFAB ENGINEERING LTD

Sr. No	Description	Unit	Total Quantity	Progress as on date
1.	Site levelling	%	100	Contouring and soil investigation complete. WIP.
2.	Boundary Wall	RM	185	100
3.	Control Room / GIS Bldg.	%	100	Not started yet
4.	Transf. Fdn.	Nos.	2	Not started yet
5.	Tower Fdn.	Nos.	9	Not started yet
6.	Equipment Fdn.	Nos.	17	Not started yet
7.	Road Construction	RM	25	Not started yet
8.	Drain Construction	RM	1	Not started yet
9.	Cable Trench	RM	1	Not started yet
10.	Tower Erection	Nos.	9	Not started yet
11.	Eqpt erection	Nos.	25	Not started yet
12.	Transformer Erection	Nos.	2	Not started yet
13.	Testing and commissioning	%	100	Not started yet

Expected Completion of work on site: December 2021

3 Establishment of 2x5 MVA, 33/11 kV new substation at Chechua: AGENCY - M/S TECHNOFAB ENGINEERING LTD

Sr. No	Description	Unit	Total Quantity	Progress as on date
1.	Site levelling	%	100	Not Started Yet
2.	Boundary Wall	RM	173.68	Not Started Yet
3.	Control Room / GIS Bldg.	%	100	WIP
4.	Transf. Fdn.	Nos.	2	WIP
5.	Tower Fdn.	Nos.	9	
6.	Equipment Fdn.	Nos.	17	
7.	Road Construction	RM	115	

Sr. No.	Name of the T&D Component			
8.	Drain Construction	Lot	1	
9.	Cable Trench	Lot	1	
10.	Tower Erection	Nos.	9	
11.	Eqpt erection	Nos.	2	Not started yet.
12.	Transformer Erection	Nos.	2	Not started yet.
13.	Testing and commissioning	%	100	Not started yet.

Expected Completion of work on site: December 2021

4 Establishment of 2x5 MVA, 33/11 kV new substation at Taidu: AGENCY - M/S TECHNOFAB ENGINEERING LTD

Sr. No	Description	Unit	Total Quantity	Progress as on date
1.	Site levelling	%	100	Final Drawing is yet to be received and hence work is not started yet. Only soil investigation analysis is completed.
2.	Boundary Wall	RM	245	
3.	Control Room / GIS Bldg.	%	100	
4.	Transf. Fdn.	Nos.	2	
5.	Tower Fdn.	Nos.	9	
6.	Equipment Fdn.	Nos.	17	
7.	Road Construction	RM	1	
8.	Drain Construction	RM	1	
9.	Cable Trench	RM	1	
10.	Tower Erection	Nos.	9	
11.	Eqpt erection	Nos.	41	
12.	Transformer Erection	Nos.	2	
13.	Testing and commissioning	%	100	

Expected Completion of work on site: December 2021

5 Establishment of 2x5 MVA, 33/11 kV new substation at Maharani: AGENCY - M/S TECHNOFAB ENGINEERING LTD

Sr. No	Description	Unit	Total Quantity	Progress as on date
1.	Site levelling	%	100	100 % completed.
2.	Boundary Wall	RM	245	178m along with coping work
3.	Control Room	%	100	85% completed
4.	Transf. Fdn.	Nos.	2	Completed
5.	Tower Fdn.	Nos.	9	Completed
6.	Equipment Fdn.	Nos.	17	Completed
7.	Road Construction	RM	20	Not started yet
8.	Drain Construction	RM	62	Not started yet
9.	Cable Trench	RM	62	WIP
10.	Tower Erection	Nos.	9	8nos. of Tower erection complete
11.	Eqpt erection	Nos.	17	Not started yet
12.	Transformer Erection	Nos.	2	Not started yet
13.	Testing and commissioning	%		Not started yet

Expected Completion of work on site: December 2021

6 Establishment of 2x5 MVA, 33/11 kV new substation at Garjee: AGENCY - M/S TECHNOFAB ENGINEERING LTD

Sr. No	Description	Unit	Total Quantity	Progress as on date
1.	Site levelling	%	100	100 % Completed
2.	Boundary Wall	RM	203.5	150m.
3.	Control Room	%	100	55% completed
4.	Transf. Fdn.	Nos.	2	Completed
5.	Tower Fdn.	Nos.	9	Completed
6.	Equipment Fdn.	Nos.	17	8nos. Equipment foundations complete
7.	Road Construction	RM	20	Not Started Yet
8.	Drain Construction	RM	100	Not Started Yet

Sr. No.	Name of the T&D Component			
9.	Cable Trench	RM	62	31.86 Indoor cable trench is completed
10.	Tower Erection	Nos.	9	3 Numbers of Tower erection is completed
11.	Eqpt erection	Nos.	26	Not Started Yet
12.	Transformer Erection	Nos.	2	Not Started Yet
13.	Testing and commissioning	%	100	Not Started Yet

Expected Completion of work on site: December 2021

7 Establishment of 2x5 MVA, 33/11 kV new substation at Karbook:
AGENCY - M/S TECHNOFAB ENGINEERING LTD

Sr. No	Description	Unit	Total Quantity	Progress as on Date
1.	Site levelling	%	100	Not Started Yet
2.	Boundary Wall	RM	206	Not Started Yet
3.	Control Room	%	100	Not Started Yet
4.	Transf. Fdn.	Nos.	2	Not Started Yet
5.	Tower Fdn.	Nos.	9	Not Started Yet
6.	Equipment Fdn.	Nos.	17	Not Started Yet
7.	Road Construction	RM	50	Not Started Yet
8.	Drain Construction	RM	1	Not Started Yet
9.	Cable Trench	RM	110	Not Started Yet
10.	Tower Erection	Nos.	9	Not Started Yet
11.	Eqpt erection	Nos.	25	Not Started Yet
12.	Transformer Erection	Nos.	3	Not Started Yet
13.	Testing and commissioning	%	100	Not Started Yet

Expected Completion of work on site: December 2021

8 Establishment of 2x5 MVA, 33/11 kV new substation at Chittamara
AGENCY - M/S TECHNOFAB ENGINEERING LTD

Sr. No	Description	Unit	Total Quantity	Progress as on Date
1.	Site levelling	%	100	Not Started Yet
2.	Boundary Wall	RM	200	Not Started Yet
3.	Control Room	%	100	Not Started Yet
4.	Transf. Fdn.	Nos.		Not Started Yet
5.	Tower Fdn.	Nos.		Not Started Yet
6.	Equipment Fdn.	Nos.		Not Started Yet
7.	Road Construction	RM		Not Started Yet
8.	Drain Construction	RM		Not Started Yet
9.	Cable Trench	RM		Not Started Yet
10.	Tower Erection	Nos.		Not Started Yet
11.	Eqpt erection	Nos.		Not Started Yet
12.	Transformer Erection	Nos.		Not Started Yet
13.	Testing and commissioning	%	100	Not Started Yet

Expected Completion of work on site: December 2021

9 Establishment of 2x5 MVA, 33/11 kV new substation at Barpathari
AGENCY - M/S TECHNOFAB ENGINEERING LTD

Sr. No	Description	Unit	Total Quantity	Progress as on Date
1.	Site levelling	%	100	80% completed
2.	Boundary Wall	RM	185	163 meter is completed
3.	Control Room	%	100	40% Completed
4.	Transf. Fdn.	Nos.	2	Completed
5.	Tower Fdn.	Nos.	9	Not Started Yet
6.	Equipment Fdn.	Nos.	17	Not Started Yet
7.	Road Construction	RM	16.5	WIP
8.	Drain Construction	RM		Not Started yet
9.	Cable Trench	RM	110	Not Started Yet

Sr. No.	Name of the T&D Component

10.	Tower Erection	Nos.	9	Not Started Yet
11.	Eqpt erection	Nos.	53	Not Started Yet
12.	Transformer Erection	Nos.	2	Not Started Yet
13.	Testing and commissioning	%	100	Not Started Yet

Expected Completion of work on site: December 2021

10 Establishment of 2x5 MVA, 33/11 kV new substation at Ekinpur
AGENCY - M/S TECHNOFAB ENGINEERING LTD

Sr. No	Description	Unit	Total Quantity	Progress as on Date
1.	Site levelling	%	100	75% completed
2.	Boundary Wall	RM	183	110 meter is completed
3.	Control Room	%	195	40% Completed
4.	Transf. Fdn.	Nos.	2	Completed
5.	Tower Fdn.	Nos.	8	Not Started Yet
6.	Equipment Fdn.	Nos.	13	Not Started Yet
7.	Road Construction	RM	40	WIP
8.	Drain Construction	RM		Approved drain layout not available.
9.	Cable Trench	RM	87	Not Started Yet
10.	Tower Erection	Nos.	8	Not Started Yet
11.	Eqpt erection	Nos.	40	Not Started Yet
12.	Transformer Erection	Nos.	2	Not Started Yet
13.	Testing and commissioning	%	100	Not Started Yet

Expected Completion of work on site: October 2021

11 Establishment of 2x5 MVA, 33/11 kV new substation at Moharipur:
AGENCY - M/S TECHNOFAB ENGINEERING LTD

Sr. No	Description	Unit	Total Quantity	Progress as on Date
1.	Site levelling	%	100	0% completed
2.	Boundary Wall	RM	206	Not Started Yet
3.	Control Room	%	100	Not Started Yet
4.	Transf. Fdn.	Nos.	2	Not Started Yet
5.	Tower Fdn.	Nos.	9	Not Started Yet
6.	Equipment Fdn.	Nos.	17	Not Started Yet
7.	Road Construction	RM	50	Not Started Yet
8.	Drain Construction	RM	1	Not Started Yet
9.	Cable Trench	RM	110	Not Started Yet
10.	Tower Erection	Nos.	9	Not Started Yet
11.	Eqpt erection	Nos.	25	Not Started Yet
12.	Transformer Erection	Nos.	3	Not Started Yet
13.	Testing and commissioning	%	100	Not Started Yet

Expected Completion of work on site: December 2021

12 Establishment of 2x5 MVA, 33/11 kV new substation at Srinagar
AGENCY - M/S TECHNOFAB ENGINEERING LTD

Sr. No	Description	Unit	Total Quantity	Progress as on Date
1.	Site levelling	%	100	80% completed
2.	Boundary Wall	RM	185	50 meters completed
3.	Control Room	%	100	Not Started Yet
4.	Transf. Fdn.	Nos.	2	Not Started Yet
5.	Tower Fdn.	Nos.	12	Not Started Yet
6.	Equipment Fdn.	Nos.	17	Not Started Yet
7.	Road Construction	RM	1	Not Started Yet
8.	Drain Construction	RM	1	Not Started Yet
9.	Cable Trench	RM	110	Not Started Yet
10.	Tower Erection	Nos.	12	Not Started Yet

Sr. No.	Name of the T&D Component

11.	Eqpt erection	Nos.	25	Not Started Yet
12.	Transformer Erection	Nos.	3	Not Started Yet
13.	Testing and commissioning	%	100	Not Started Yet

Expected Completion of work on site: December 2021

13 Establishment of 2x5 MVA, 33/11 kV new substation at Manughat
AGENCY - M/S TECHNOFAB ENGINEERING LTD

Sr. No	Description	Unit	Total Quantity	Progress as on Date
1.	Site levelling	%	100	Not started
2.	Boundary Wall	RM	233	50 meter completed
3.	Control Room	%	100	Not Started Yet
4.	Transf. Fdn.	Nos.	2	Not Started Yet
5.	Tower Fdn.	Nos.	9	Not Started Yet
6.	Equipment Fdn.	Nos.	17	Not Started Yet
7.	Road Construction	RM	1	Not Started Yet
8.	Drain Construction	RM	1	Not Started Yet
9.	Cable Trench	RM	140	Not Started Yet
10.	Tower Erection	Nos.	9	Not Started Yet
11.	Eqpt erection	Nos.	25	Not Started Yet
12.	Transformer Erection	Nos.	2	Not Started Yet
13.	Testing and commissioning	%	100	Not Started Yet

Expected Completion of work on site: December 2021

14 Establishment of 2x5 MVA, 33/11 kV new substation at Rupaichari
AGENCY - M/S TECHNOFAB ENGINEERING LTD

Substation completed in 28.02.2021

1.7.Objective and Study Methodology adopted for FEAR study

The main objectives of the FEAR study are to assess the mitigative measures as suggested in IEAR and/or EMP are effectively implemented/ addressed at the ground during pre-construction & construction stages of project cycles. The study will also help in establishing the status of compliance of various mitigation/management measures provided in the IEAR/EMP and suggests gaps or weaknesses, if any.

To achieve this, GCI undertook a comprehensive biophysical, environmental, socioeconomic data gathering exercise along the DL routes and S/S location to assess / verify the actual site-specific measures implemented / being implemented by IA/ Contractor in respect of measure/ actions listed in IEAR/EMP. The project methodology flow chart is given below:

***Figure 3** Study Methodology for Preparation of FEAR*

The methodology for the proposed study is inclusive of but not limited to following steps:

1. **Review of existing reports:** Review of existing reports and data prepared and generated by POWERGRID such as IEAR, ESPPF, Compensatory Plan for Temporary Damage (CPTD) etc. was undertaken and suitably incorporated in the present report.

2. **Literature review / Analysis of Secondary Data:** Review of existing literature are undertaken for collection of secondary baseline data related to physiography, climatic conditions, demography, natural resources including forest/wildlife and socio-economic features of the study area. Sources and data so collected have been mentioned below:
   - Literature from various research papers was reviewed for study biodiversity of the project site
   - A Revised Survey of the Forest Types of India' by Champion and Seth (1968) was used for forest type classification of forests in the study area.
   - Data collected from published literature of Zoological Survey of India (ZSI), Forest Survey of India (FSI), Botanical Survey of India (BSI) and other research and government publications for floral and faunal diversity of the study area.
   - Soil map of the study area was prepared using 'Soils of Tripura for Optimizing Land Use, NBSS Publ.67b, 2000' published by National Bureau of Soil Survey & Land Use Planning (NBSS & LUP), Nagpur.
   - Conservation status of flora and fauna of the study area as per Indian Wildlife (Protection) Act (1972), threatened status according to IUCN Red List 2020.1, Red Data Book of Indian Plants by Botanical Survey of India, Kolkata.
   - Census of India 2011 for demography of the study area.

3. **Collection & collation of primary data:** The data was collected by extensive field visits and interaction with various stakeholders such as POWERGRID, Contractor, forest officials, Project Affected People (PAPs) and public at large. The environmental primary data other than vegetation profile is verified and ascertained through the discussion with local people and stakeholders, Site visits and IEAR carried out for the proposed T&D alignment and S/S and final alignment schedule. In order to, collect data with respect to final route alignment with important

   feature & maps, forest involvement/forest clearances, other applicable statutory clearances/consent/ exact number of trees to be fell / damaged both in forest as well as non-forest area, number and profile of PAP along with details of compensation provided to PAPs. This includes collection of any other primary data, which, in the opinion of agency, is required for ascertaining the compliance of the mitigating measures as enlisted in IEAR/EMP. Besides, photographs of important events such as interaction with various stakeholders, safe working practices, borrow area management, top soil management and construction during lean period etc. was taken as evidence.

4. **Collection of primary data and Physical verification of construction elements:** To gather primary data/ physical verification, a field visit/ survey of the project area along with IA and Contractor staff was made from February 2019 to May 2021. The data which has been collected from field visit are implementation status of proposed environmental management plan and mitigation measures as suggested in IEAR. Also, the environmental monitoring for ambient Noise levels and water quality is regularly carried out at S/S locations as part of EMP monitoring by construction Contractors. **Environmental baseline reports at various subproject sites are presented at Appendix-A.**

   Ground truthing/physical verification was made with photographic evidence and verification of record maintained by IA and Contracts for various activities for monitoring the compliance of mitigation measures like Health and Safety measures, Solid waste and sanitation, construction of protection wall/ retaining walls, status of labour camps location of proposed S/S, poles, and

DL alignments. Findings of field survey were consolidated along with secondary data for interpretation and finding the gaps for immediate necessary action.

5. **Ascertaining the compliance:** Analysis and interpretation of secondary and primary data to ascertain the compliance of the measures as discussed in EMP.

6. **Survey of flora and fauna:** Phyto-sociological survey is necessary in case of TL construction. In the instant case of FEAR IV, being a DL construction is proposed, surveys for assessment of vegetation structure/ profile in the proximity of the proposed DL, corridors of DL routes, S/S, etc. were conducted wherein line transact methodology has been followed. Faunal surveys were also conducted along the same transects. As the topography along the routes varied from undulating / plain to top of hill. It was therefore, not feasible to chart the entire routes of proposed DL as large part of the routes has steep slopes and due to issues of accessibility at present. However, during the field surveys it was tried to survey minimum 10% of the route for flora data collection, which in some cases constituted a continuous stretch and, in some cases, could be covered in parts. The stretches were selected considering diversity of flora. At some places along the alignment, forest plantation is recorded e.g., rubber plantation which is homogenous. At some stretches the diversified flora is recorded. The details are reported in chapter 2 section 2.4.4. As regard substation, the whole substation area was covered. The fauna elements were not found during field surveys in the project areas except some bird and common fauna. Hence the data was collected through consultations with local public, Forest department officials and POWERGRID officials working in the project area.

   The results of the primary field surveys were supplemented with secondary data to fill the gaps and further with the information generated through PRA. In addition, at all the sites bird walks were also undertaken, particularly areas under private plantations nearby the routes to locate nesting sites and for bird sightings.

7. **Consultation:** During assessment consultation was done with stakeholders like various field officers of consulting team such as Central Project Implementation Unit (CPIU)/ State Project Coordination Unit (SPCU) POWERGRID officials, Contractor, migratory labors, local labors, Gram Burrah (village head) and public representatives to collect data with respect to

   compliance of suggested Environmental Management Plan (EMP) and implementation of mitigation measures. **The details of exercise are presented at Appendix-B.**

8. **Development of Maps**: Geo-referenced and Google maps with superimposed coordinates of project elements were generated to verify locational details and details of physical features of terrain of the project locations (**Please refer to the Annexure A and B**).

1.8.FEAR Structure

Chapter I: Project Description:

Brief description of the background, objective of the project, resultant benefit and scope of the work.

Chapter 2: Baseline Data:

Description of the relevant physical, physiographical, and socioeconomic condition of the project area including description of natural resources base like forest resources or any other environment sensitive areas like National Park sanctuary etc. along with description of climatic condition, population and other demographic features of the project area.

Chapter 3: Policy, Legal and Regulatory Framework:

Description of the policy, Legal and Regulatory framework applicable to transmission project and the environmental requirement under which environment assessment has been

carried out.

Chapter 4: Major Features of Final Route & Environment Impact:

Brief description of the environmental criteria for selection of route and major features of final route alignment, details of forest involvement including number of trees and species of the trees likely to be affected. The details of forest clearance and environmental impact matrix describing in brief the extent of impact of DL.

Chapter 5: Potential Environmental Impact, Evaluation and its Management:

Description of the measures adopted and under implementation for identified impact due to project location, design, construction, O&M details of public consultation and its documentation, details of contractual conditions regarding safeguard issues under scope of contract for compliance and conclusion listing the category of the project based on the impact and analysis.

Chapter 6: Monitoring and Organization Support Structure:

Description of the monitoring plan, reporting pattern/frequency, external monitoring requirement/timing for potential environment & social issues with compliance status of Environment Management Plan (EMP) and organization support structure.

2. BASELINE DATA

2.1.Introduction

Impact Assessment defines and assesses the potential physical, biological, and socio-economic impacts of a project and helps in formulating management and mitigation measures to minimize the impacts to a great extent. This chapter deals with the baseline status of physical, biological, socio-economic environment in the project districts as well as study area.

2.2.Project Location

The project is an intra-state power sector project located in the State of Tripura and pass through the districts of Gomati (Gumti) and South Tripura. Earlier Gomati District was part of undivided South Tripura District before 2012. **Please refer Figure 4**. The map showing location of various subprojects is presented in **Figure 5 & Figure 6**.

Figure 5 Location of the Project

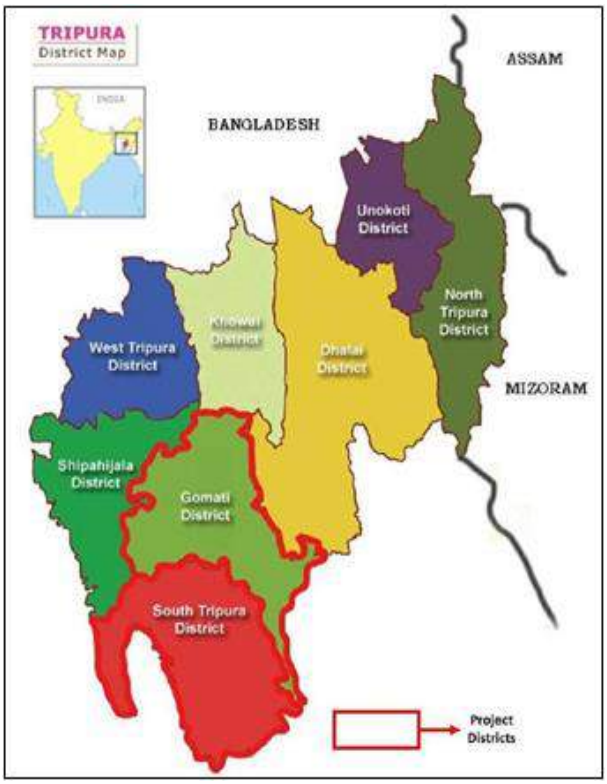


Figure 4 Topo Map Showing Subprojects Locations

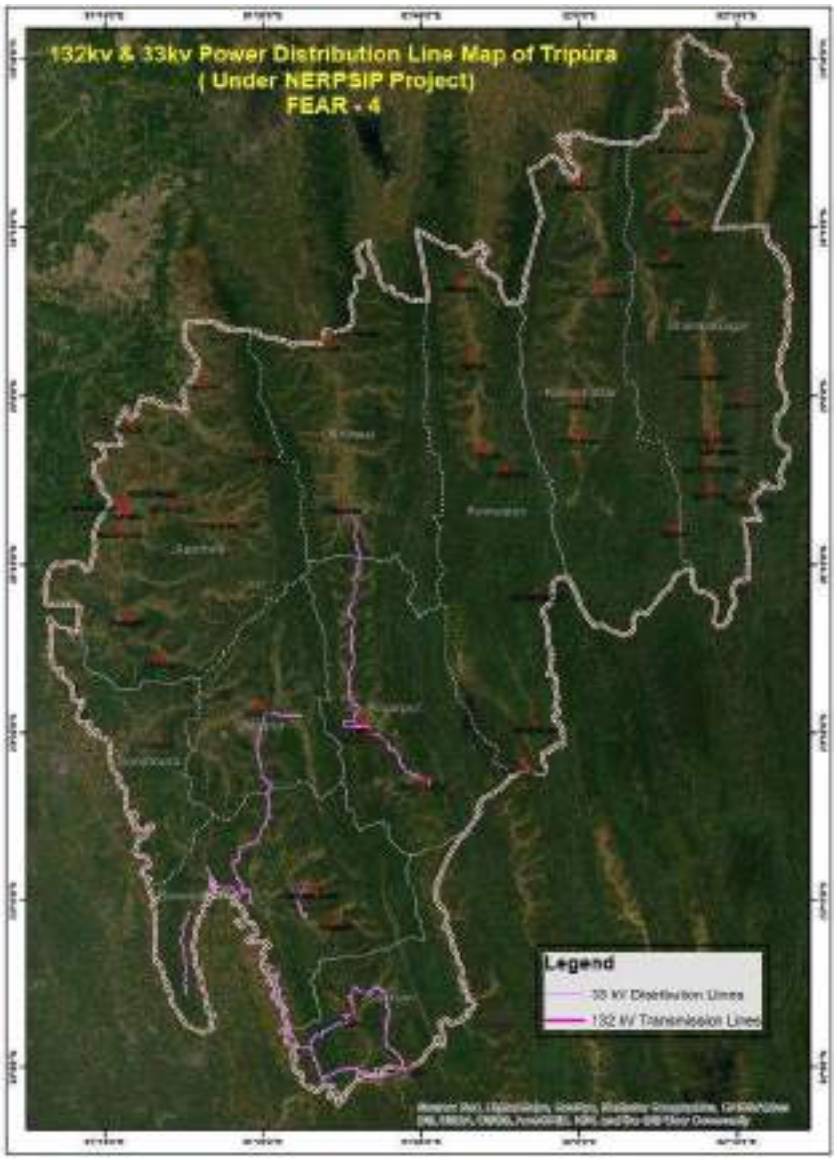


Figure 6 Google Map Showing Subprojects Locations

2.2.1. Study area Description

Study area include in Tripura state is situated in the north eastern part of the country and shares international border with Bangladesh from three sides. The area of the State is 10,491 Sq. Km which forms 0.32% of country's geographical area. South Tripura district is situated between North Latitudes 22°58' and 23°45' and East Longitude 91°15' and 91°58'. It is bounded by Bangladesh on south, east and west sides, by west Tripura district on north and northwestern sides and by Dhalai district on northeast side.The total geographical area of the district is 1585.67 Sq. Km. Gomati district of Tripura state was created in January 2012 when four new districts were created in Tripura, taking the number of districts in the state from four to eight. Udaipur is its headquarters. Gomati District is situated approximately between East longitude $91^0$18' and $91^0$59' and Northlatitude $22^0$56' and $23^0$45'. The Gomati District is bounded on the North by Dhalai district and West Tripura District, while on the other sides by international border with Bangladesh. The total geographical area of Gomati District is 1489.39 Sq.km.

2.2.2. Sailent feature of project

Table 2-1 Silent feature of project

Location		
State	**Tripura**	
Study area District	**South Tripura**	**Gomati**
Latitude	22°58' & 23°45' N	22°56' & 23°45' E
Longitude	91°15' & 91°58' E	91°18' & 91°59' E
Annual Rainfall	2000 mm	
Temperature Range approximate	5.1^0C to 35.6^0C	7.43^0C to 35.23^0C
Major Rivers	Fenni, Muhuri, Manu and Longai and tributaries	Gomati and tributaries
Wetland (including Gomati)		
Inland Wetlands – Natural		
Lakes/Ponds	9	
Ox-bow lakes/ Cut-off meanders	29	
Waterlogged	55	
River/Stream	4	
Inland Wetlands – Man-made		
Reservoirs/Barrages	3	
Tanks/Ponds	16	

2.3.Topography

Geography of South Tripura District comprises three principal hill ranges. South Baramura and Deotamura hill ranges are completely in South Tripura District while apart of Atharamura hillalso comes in the district. Deotamura is the principal hill range of South Tripura District havinga length of 85 kms and forms the boundry between Amarpur and Udaipur Sub Division. Majorrivers flowing through South Tripura District are Gomti River, Muhuri and Feni. As per Agroclimatic zones the district is in Mild Tropical Plain Zone. The major soil recorded as per agroclimatic zones are Inceptisols, Ultisols, Entisol. Physiographically, the area can be divided into two parts, Anticlinal Hill Ranges and Synclinal flatbottomed valleys. The major hill ranges are Baramura and a hill range at west boundary. The trend of the hill ranges is almost N – S. The height of the hill

ranges increases from west toeast. A broad synclinal valley is located along Manu-bazar, Jolaibari, Laogang Bazar. The valleysare gently undulating with intermittent flood plains of rivers and streams. The undulations formed by 10 to 30 m high mounds with gullies in between them, locally called "loonga." Gomati district is a predominantly hilly area. About 60% of its land is hilly, while the remaining40% is plane land, even the plane land is not a dad level land rather it is broken by many low hills and tillas of 30-60 m in elevation, covered with trees and shrubs. The topography is immature. In the district the topographic highs & lows are in accordance with the normal first order structural elements. The ground rises from West- East. The general elevation varies between 600m in the NE part to 15 m in the west. As per Agroclimatic zones the district is in Mild Tropical Plain Zone. The major soil recorded as per agroclimatic zones are Inceptisols, Ultisols, Entisol.

There are four physiographic units in the district:

I. Steep slopping & slightly dissected, high relief structural hills & ridges exemplified byareas like Taidu, Amarpur, Tirthamukh.

II. Moderately slopping with moderately dissected, low relief structural hills and ridges found in parts of Udaipur, Amarpur, Tirthamukh.

III. Moderate to gently sloping with moderately dissected, flat topped denuded hills foundin southern part of Udaipur & Amarpur And

IV. Undulating plane with low mounds and gently sloping valley situated mostly in the southern part of Udaipur.

2.4.Landuse Pattern

Majority of the South Tripura project district area i.e. 5.8% is nonagricultural uses, 27% covered by agricultural land and 67 % is covered by Forest land. & Gomati project district area 5.2% is built up land, 27% covered by agricultural land and 67 % is covered by Forest land. The general land use pattern of the project area is given in **Table 2.2**.

Table 2-2 Landuse Pattern of Project District – South Tripura

Sr	Land use classes		Area in Ha	%	Area in Ha	%
			South Tripura		Gomati	
1	Geographical area		158567	100	148939	100
2	Forest Area		105871	66.8	100704	66.8
3	Land Not Available for Agricultural Use		9133	5.8	7704	5.2
4	Land under Misc. tree Crops & groves not including in net Area sown		287	-	105	-
5	Permanent pasture & other grazing land		20	-	44	-
6	Culturable Waste land		13	-	7	-
7	**Total Other Uncultivated Land Excluding Fallow Land (4+5+6)**		320	0.2	156	0.2
8	Fallow Land	Current Fallow	-	20	-	
9		Fallow Land Other than Current fallow	-	43	-	
10	**Total (8+9)**		61	0.04	84	0.04
11	**Net Cropped area**		43182	27.2	40291	27.2
12	**Gross cropped Area**		83837	-	78937	-
13	Area sown more than once		40655	-	38646	-

Figure 7 Land use Map For South Tripura District

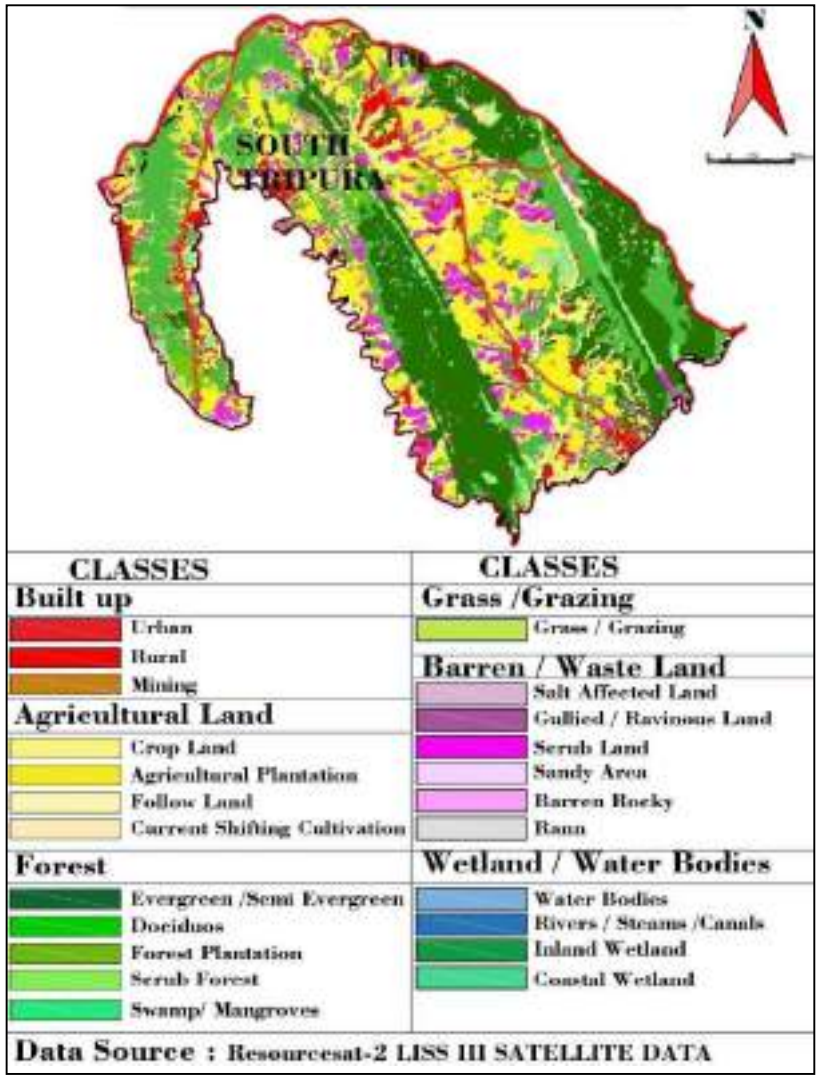
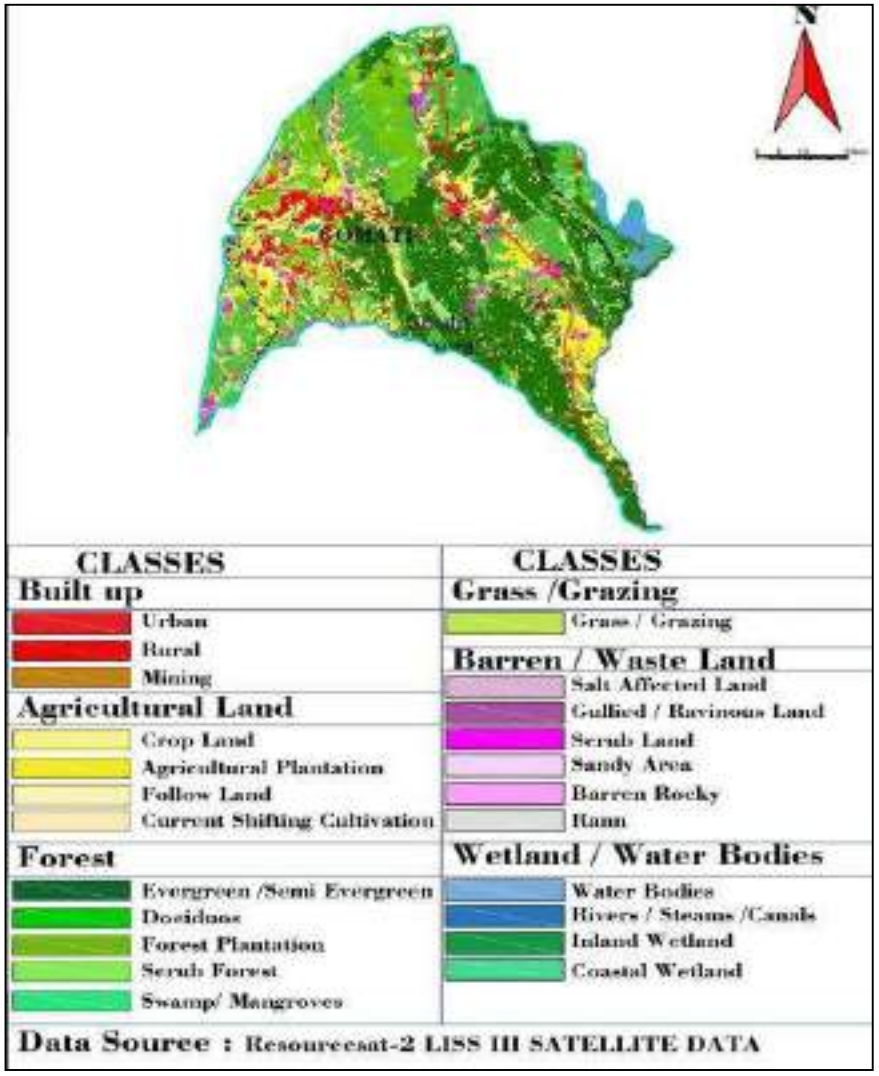


Figure 8 Land use Map of Project District – South Tripura District

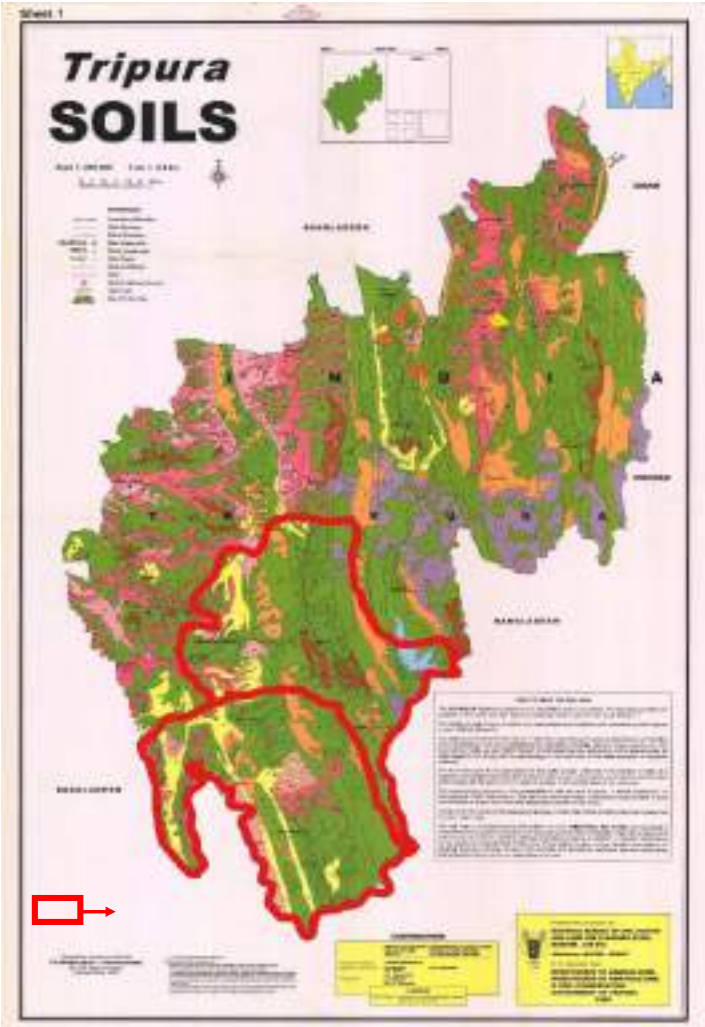


2.5.Minerals

Of the total geographical area of Tripura, 76% can be marked as of "Tertiary" origin and 24% belong to Quaternary period; none of these contain any major mineral resource. In Tripura, the mineral resources are mainly glass sands, limestone, plastic clay and hard rock; all of these materials are being used to a variable degree. However, the single most important resource in the state is oil and natural gas. Oil and Natural Gas Commission (ONGC) has initiated massive exploration programme in the State. Mineral Map of Tripura is depicted in **Figure 9 & 10**.

Figure 10 Mineral Map of Tripura

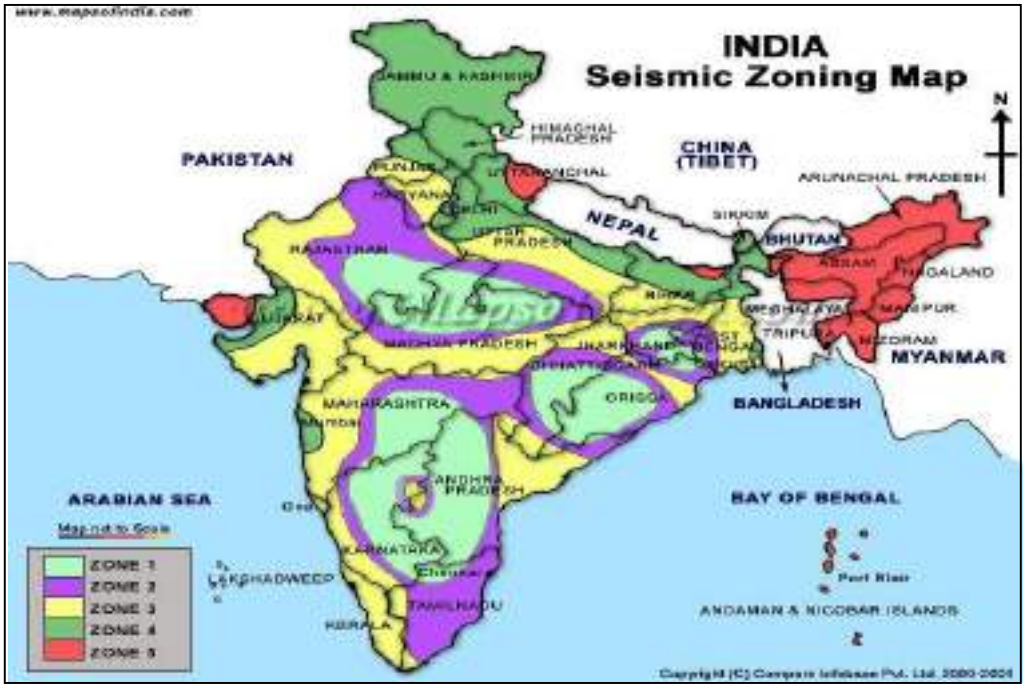
Figure 9 : Soil Map of Tripura State with Project Districts



2.6.Vulnerability

2.6.1. Earthquake Vulnerability16:

Tripura and the rest of the northeastern region lie in the zone-V of the seismological map of India, which is regarded as a high-risk zone with respect to earthquakes. Associated vulnerability is studied in detailed for each alignment of the project DL and same are discussed in the **Section 4.3**.

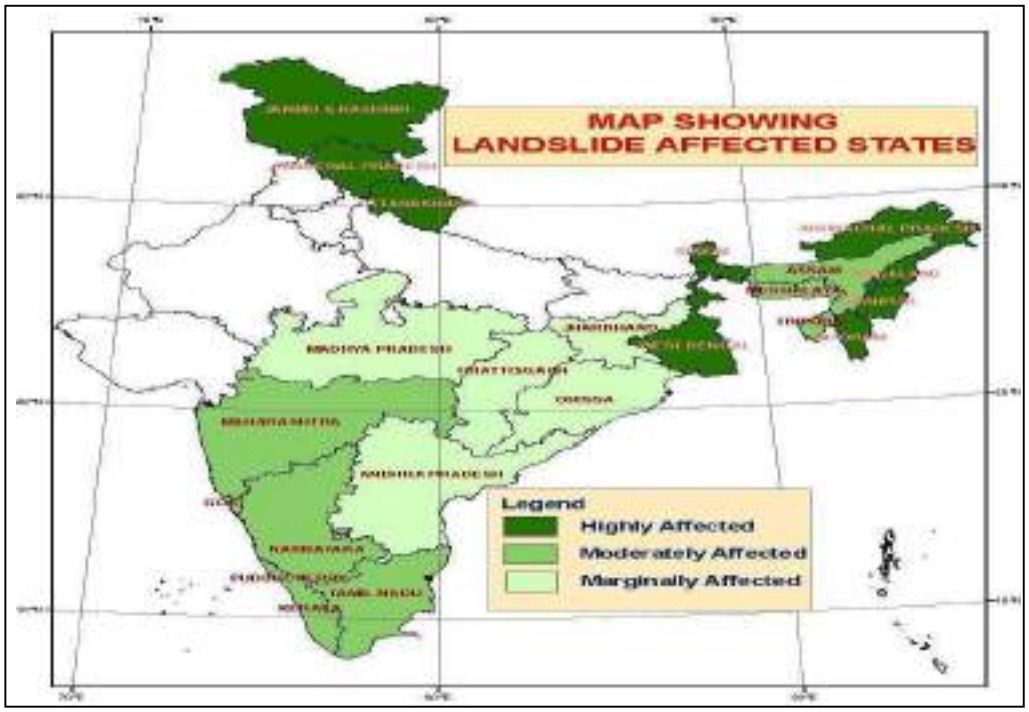


2.6.2. Landslide Vulnerability:

Landslide hazard stands as the second geological hazard following earthquake (Li, et. al., 1999; the U.S. Geological Survey, 2000). The Food and Agriculture Organization of the United Nations (FAO) states that steep terrain, vulnerable soil, heavy rainfall and earthquake activities make large parts of Asia highly susceptible to landslides. An area of about 0.49 million sq km out of the total area of India is vulnerable to landslide and about 0.098 sq km of an area in Northeast India is vulnerable to landslide. Tripura State comes under moderately affected landslide hazard class .

Landslide, a common phenomenon in hilly region is one of the most important factors of soil erosion. Topsoil and vegetative covers on large scale are considerably lost every year during the monsoon season. Landslides are mainly found below settlement areas, terrace fields, rolling Jhum land and road construction. The possible factors responsible for landslide occurrence may be singular or a combination of several factors. Some of the factors responsible for landslide in Tripura are:

Figure 11 Landslide Map of India



2.6.3. Erosion Vulnerability18:

Unscientific land utilization incompatible with it carrying capacity leads to land degradation which has both environmental and economic consequences. The information on land degradation is needed for a variety of purposes like planning reclamation programs, rational land use planning, for bringing additional areas into cultivation, to improve productivity levels in degraded lands etc. As per the land degradation mapping undertaken by Department of Space, GoI along with partner institutions under National Natural Resources Census (NRC), water and wind are the most important land degradation process that occurs on the surface of the earth. Rainfall, soil, physical properties, terrain slope, land cover and management practices play a significant role in soil erosion. Some of the factors responsible for soil erosion in Tripura are:

Sheet Erosion: It is a common problem resulting from loss of topsoil. The soil particles are removed from the whole soil surface on a uniform basis in the form of thin layers. The severity of the problem is often difficult to visualize with naked eyes in the field.

Rill Erosion: When sheet erosion is severe and the surface runoff goes in the form of a concentric flow, tiny water channels are formed in the field called rills. Rills are generally associated with the cultivated lands and are visible in the ploughed soil after first heavy showers.

Gully Erosion: Gullies are formed as a result of localized surface run-off affecting the unconsolidated material resulting in the formation of perceptible channels causing undulating terrain. They are commonly found in sloping lands, developed as a result of concentrated run-off over fairly long time. They are mostly associated with stream courses, sloping grounds with

good rainfall regions and foothill regions.

Landslide/ Landslip Erosion: The region is quite prone to landslides/ landslips that take a heavy toll on valuable lands, property and life besides aggravating the problem of soil erosion. Factor responsible for landslide have already been explained in earlier section.

Faulty Road Construction: As explained in earlier section.

Unscientific Disposal of Debris Generated by Road Construction: Roads are the only means of communication and form an important development activity in the region. Roadconstruction in the mountainous terrain requires a lot of blasting and construction in a zigzag fashion. The debris thus produced is not properly disposed at dumping sites and is just pushedonto the river side slopes. This results in heavy erosion during the rainy season.

Urbanization: As explained in earlier section.

Mitigation measures have been given in the EMP and same shall be followed to avoid any chances of getting affected by soil erosion vulnerable areas. In addition, any work shall be avoided in rainy days.

2.6.4. Flood Vulnerability19:

750 km^2 of land area of the State is considered to be flood prone. Nearly all the rivers are rain-fed and are prone to flood. Drying up of perennial drainage courses and Transportation and deposition of sand, silt in the venerable pockets are the main reasons causing flood and inundation hazards. With reference to the State Level perspective plan for watershed development in Tripura and NBSS & LUP, Nagpur and Disaster Management Cell of GoT, it can be inferred that the project districts Gomati and South Tripura are very low to slightly moderate flood prone area in Tripura State. **Please refer Fig 12**. Flood vulnerability is studied in detailed for each alignment of the project DL and same are discussed in the **Section 4.3**. Adequate mitigation measures have been given in the EMP and same are followed to avoid any chances of getting affected by flood vulnerable areas. In addition, any work is avoided in rainy days.

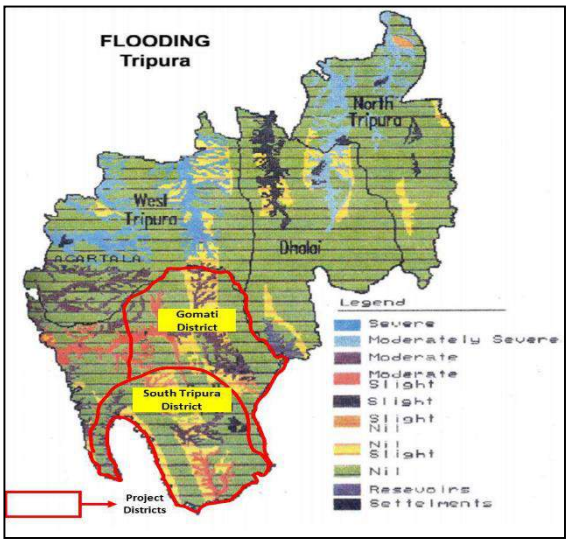


Figure 12 Flood Map of Tripura

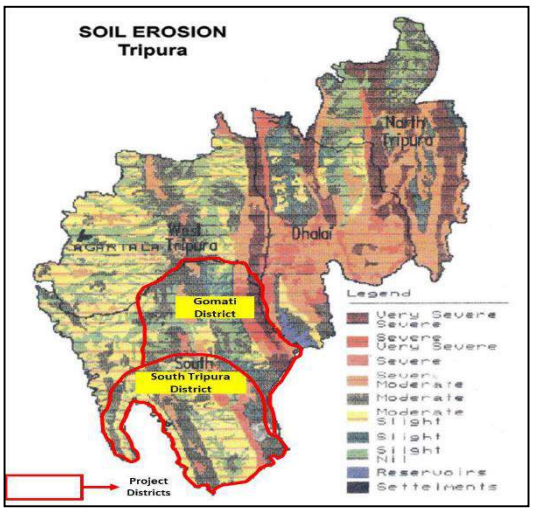
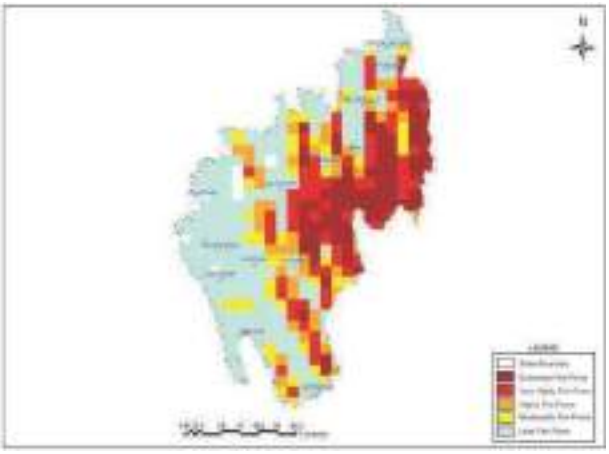


Figure 13 Soil Erosion Map of Tripura

2.6.5. Fire Vulnerability19:

Geographical area under different classes of forest fire proneness is given in the **Fig 14.** It can be inferred that forest areas of eastern part of Gomati and Southern Eastern part south Tripura District are extremely prone to fire.

Figure 14 Fire Prone Forest Areas Map of Tripura



2.7.Biological Environment

Total forest cover in the project districts i.e., South Tripura and Gomati, is 1200.38 sq km, which is 39 % of the project district's geographical area. Please refer **Table 2.21**. In terms of forest canopy density classes, the project districts have 241 sq km under VDF, 1583 sq km under MDF and 453 sq km under OF. The details of forest cover of subproject districts are given below in **Table 2.22** and **Fig 15 for South Tripura and Fig 16 for Gomati District.**

Table 2-3: Forest Area Classification – Project Districts

District	Geographical area of Project District Sq. Km	Forest area Sq. Km				
		RF	PRF	UCF	Total	% Total of District GA
South Tripura including Gomati	3074.78	614.41	270.67	315.3	1200.38	39.04

Table 2-4: Forest Canopy Cover – Project Districts

District	Geographical area of Project District Sq. Km	2019 Assessment Forest area Sq. Km				
		VDF	MDF	OF	Total	% Total of District GA
South Tripura including Gomati	3074.78	241	1583	453	2277	74.05

The forest involvement in FEAR IV, as per IEAR was 22.50 ha in Garjee - Chitamara 33 kV line.

The Forest Area now is avoided after meticulous planning and rerouting of line avoiding the sensitive places like habitation, PA and WLS. The other lines and S/S are involved total forest area of 26.38 Ha of RF and UGF in the instant project. Details of forest involvement in different lines are presented below in **Table 2.23**.

Table 2-5: Forest Area involvement in Project Lines

Sr. No.	Distribution Line / Substation	Forest Area in Ha	PA Impacted	MoEFCC Clearance Status
Distribution Lines				
1	33 kV Line from 33/11KV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing)	2.67 Ha UGF	No	➢ Online proposal submitted on 31.07.2020 ➢ Proposal forwarded to RMoEF, Shillong on15.03.21. ➢ Observation of RMoEF, Shillong has been submitted on 26.04.2021. ➢ Stage-I obtained on 17.06.2021.
2	33 kV Line from 33/11kV Moharipur S/S (New) to LILO of Jolaibari- Bagafa	18.19 Ha UGF and RF	No	➢ Online proposal submitted on 31.07.2020 ➢ Proposal forwarded to RMoEF, Shillong on 18.03.2021. ➢ Discussed in REC on 27.04.2021 and got recommended in REC. ➢ Stage-I obtained on 17.06.2021.
3	33 kV Line from 33/11KV Taidu S/S (New) to 33/11kV Teliamura S/S (Existing)	5.1 Ha of RF	No	➢ Earlier there was no forest was involved in this DL. Due to diversion of line route for NH expansion some forest stretches were unavoidable. ➢ Online proposal submitted on 04.07.2020 ➢ Proposal forwarded to RMoEF, Shillong on 15.03.2021. ➢ Discussed in REC on 27.04.2021 and got recommended in REC. ➢ Stage-I issued on 05.05.2021
4	33 kV DL from 33/11 kV Chitamara S/S (New) to 33/11kV Garjee S/S (New)	--	No	➢ Earlier there was forest area of 22.5 Ha of RF involved in the DL. However due to realignment study no forest is involved in the ROW in the current scenario.
Substations				
1	33/11kV Barpathari S/S	0.2209 Ha of RF	Located in Core area of Trishna WLS	➢ Stage-I clearance received on 04.03.2020. ➢ Stage-II clearance (conditional) issued on 18.03.2021. ➢ Working permission issued on 10.05.2021 ➢ National Board for Wildlife (NBWL) permission for Trishna WLS is obtained on 17.12.2019
2	33/11 kV Ekinpur S/S	0.1962 Ha of RF	No	➢ Stage-I clearance received on 02.04.2020 ➢ Stage-II clearance obtained on 12.10.2020

Figure 15 Forest Classification Map South Tri South Tripura District

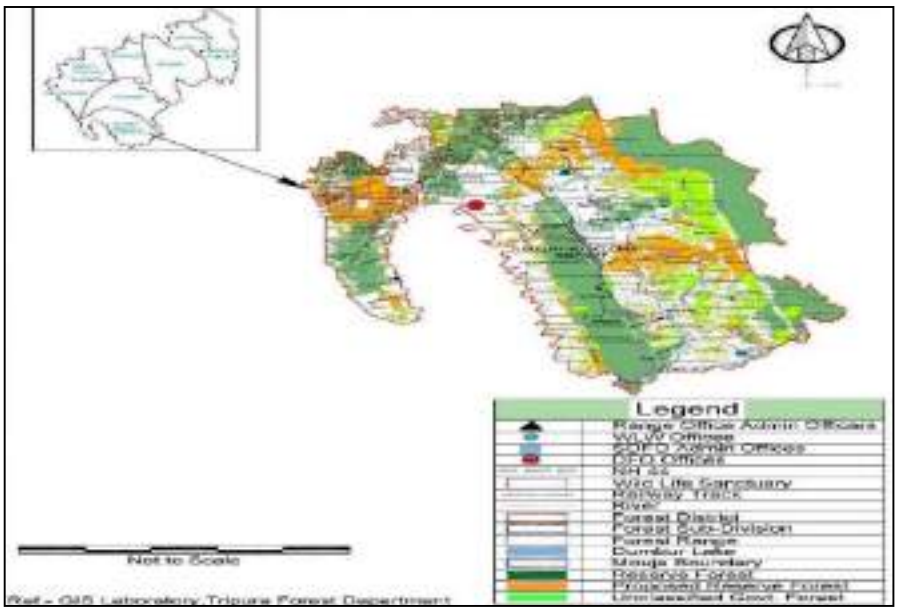
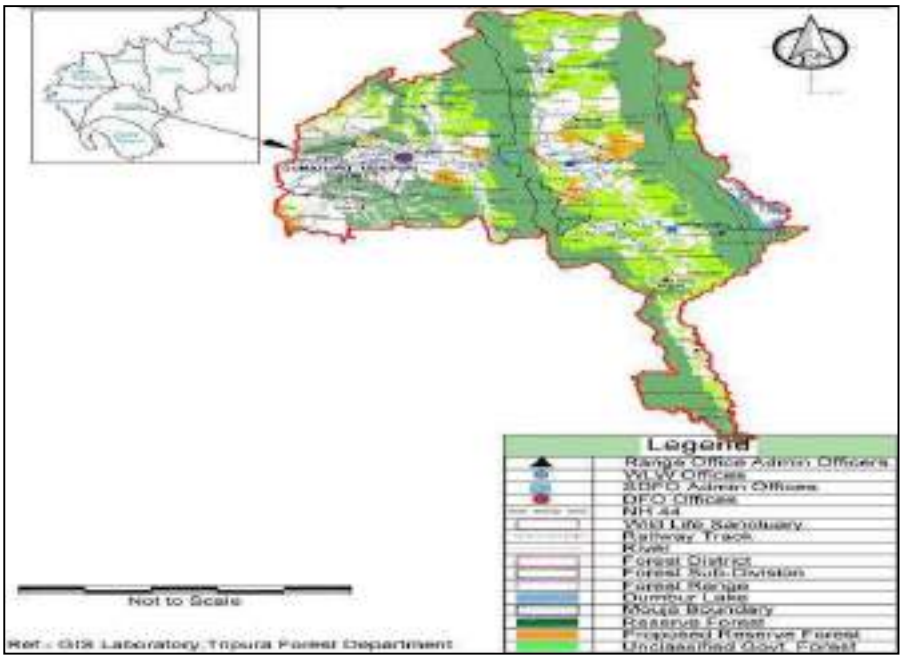


Figure 16 ***Forest Classification Map, Gomati District***



2.7.1. Study Area Baseline Data Collection

The study area for the floristic surveys has already been defined in the Chapter 1 which is defined as area in the proximity of the proposed DLs on both left and right sides, corridors of DL routes and S/S. The description of the vegetation is based upon these observations and data collected around each site collected through transects as already mentioned above.

In general, the vegetation in and areas around sampling sites is comprised of tropical wet evergreen and moist deciduous floral elements. In instant case, field surveys for the assessment and composition of vegetation were conducted to assess the floral wealth in the proximity to the poles, S/S and along the routes of DL.

In DL routes no tree cutting or direct impact on tree / vegetation is envisaged because of its construction methodology and pole size. If any removal is required, it is on temporary basis and only trimming is proposed. However, for the sake of species composition, A series of transects were identified along the routes of DL covering the corridors between the ROW of DL and S/S. The basis of data collection is along the route of the DL considering a RoW of 15 mts for 33 kV line. For homogenous stretches / sections of the route like along paddy field, along tea garden etc. data collection is carried out section wise. During thesurveys, 17 to 70 % of total route length was covered to collect baseline data, because entire route is not accessible at present. As regard substation, the whole S/S area was covered. Detailsof transects locations selected for phytosociological survey are as given in **Table 2.24.**

Table 2-6 Distribution Lines and Transects Locations for Vegetation Sampling

Sr. No.	Name of Line and Locations of samplings	Stretch Covered and No. of Poles	Section Length	% Covered for Line Survey
1.	33 kV Line from 132/33 kV Amarpur S/S (New) to 33/11 kV Dalak S/S (New) – 14.849 km	AP 1 to AP 37 AP 44 to AP 66 AP 123 to AP 143	1.62 km 1.34 km 0.845 km	**3.8 km is surveyed i.e., 25.65 % of total length**
2.	33 kV Line from 33/11 KV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing)- 7.932 km	AP 2 to AP 40 AP 49 to AP 60 AP 76 to AP 95	1.59 km 0.453 km 1.08 km	**3.12 km is surveyed i.e., 39% of total length**
3.	33 kV Line from 132/33 kV Amarpur S/S (New) to 33/11kV Checua S/S (New)- 19.765 km	AP 3 to AP 46 AP 78 to AP 92 AP 102 to AP 125	1.83 km 1.119 km 1.40 km	**4.35 km is surveyed i.e., 22% of total length**
4.	33 kV Line from 33/11 kV Taidu S/S (New) to 33/11kV Checua S/S (New) – 16.215 km	AP 7 to AP 13 AP 14 to AP 20 Ap 32 to AP 38 AP 40 to AP 45 AP 55 to AP 68	0.386 km 0.70 km 0.6 km 0.531 km 0.8 km	**3.0 km is surveyed i.e.,19% of total length**
5.	33 kV Line from 33/11 KV Taidu S/S (New) to 33/11kV Teliamura S/S (Existing) – 13.401 km	AP 6 to AP 14 AP 25 to AP 38 AP 40 to AP 49 AP 51 to AP 58	0.46 km 0.687 km 0.587 km 0.5 km	**2.3 km is surveyed i.e.,17% of total length**
6.	33 kV Line from 33/11 kV Maharani S/S (New) to 33/11kV Garjee S/S (New) – 20.104 km	Ap 8 to AP 29 AP 35 to AP 55 AP 61 to AP 75	1.12 km 1.22 km 0.932	**3.3 km is surveyed i.e.,16% of total length**
7.	33 kV Line from 33/11 kV Maharani S/S (New) to 132/33kV Udaipur (Banduar) S/S (Existing) -6.14 km	AP 3 to AP 28 AP 37 to AP 48 AP 60 to AP 71 AP 77 to AP 90 AP 105 to AP 124	0.987 km 0.419 km 0.452 km 0.51 km1 km	**3.4 km is surveyed i.e.,55% of total length**
8.	33 kV Line from 33/11 kV Chitamara S/S (New) to 33/11kV Garjee S/S (New) – 15.90 km	AP 4 to AP 25 AP 84 to AP 99/1AP 124 to AP 163 AP 312 to AP 321	0.912 km 0.704 km 1.64 km 0.755 km	**4 km is surveyed i.e.,25% of total length**
9.	33 kV Line from 33/11kV Karbook S/S (New) - LILO point of Tirthamukh Silachari Line- 0.140 km	AP 1 to AP 2	0.108 km	**0.108 km is surveyed i.e., 77% of total length**
10.	33 kV Line from 33/11 kV Chitamara S/S (New) to 132/33kV Belonia S/S (New) – 9.539 km	AP 2 to AP 10 AP 11 to AP 18 AP 22 to AP 28 AP 59 to AP 70 AP 107 to AP 118	0.473 km 0.729 km	**2.3 km is surveyed i.e.,24% of total length**

			0.319 km 0.450 km 0.3 km	
11.	33 kV Line from 33/11kV Barpathari S/S (New) to LILO of Belonia-Rajnagar line -9.627 km	AP 1 to AP 14 AP 19 to AP 25 AP 81 to AP 100	0.821 km 0.824 km 0.822 km	**2.5 km is surveyed i.e.,26% of total length**
12.	33 kV Line from 33/11 kV Ekinpur S/S (New) to 33/11kV Rajnagar S/S (Existing) – 15.978 km	AP 5 to AP 16 AP 17 to AP 28 AP 40 to AP 57 AP 61 to AP 73	0.507 km 0.636 km 0.707 km 0.400km	**2.25 km is surveyed i.e., 15% of total length**
13.	33 kV Line from 33/11 kV Moharipur S/S (New) to LILO of Julaibari- Bagafa line -15.683 km	AP 1 to AP 26 AP 92 to AP 115	1.381 km 1.473 km	**2.9 km is surveyed i.e.,18% of total length**
14.	33 kV Line from 33/11 kV Srinagar S/S (New) to 33/11kV Manughat S/S (New)- 16.223 km	AP 3 to AP 14 AP 52 to AP 62 AP 74 to AP 83 AP 94 to AP 103	0.638 km 0.614 km 0.548 km 0.517 km	**2.32 km is surveyed i.e., 15% of total length**
15.	33 kV Line from 33/11 kV Srinagar S/S (New) to 132/33kV Satchand S/S (new) - 19.349 km	AP 1 to AP 12 AP 21 to AP 30 AP 49 to AP 66 AP 86 to AP 104	0.748 km 0.796 km 0.746 km 0.889 km	**3.2 km is surveyed i.e.,16% of total length**
16.	33 kV Line from 33/11 kV Srinagar S/S (New) to Tapping point of Belonia-Hryshumukh Line – 15.329 km	AP 1 to AP 13 AP 25 to AP 42 AP 61 to AP 73 AP 177 to AP 188	0.818 km 0.845 km 0.793 km 0.889 km	**3.07 km is surveyed i.e., 20% of total length**
17.	33 kV Line from 33/11 kV Manughat S/S (new) to 132/33kV Sabroom S/S (new) – 12.825 km	AP 1 to AP 14 AP 33 to AP 49	1 km 0.754 km	**1.754 km is surveyed i.e., 15% of total length**
18.	33kV Line from 33/11 kV Rupaichari S/S (New) to 132/33kV Sabroom S/S (new) – 14.578 km	AP 1 to AP 20 AP 34 to AP 51 AP 104 to AP 116	0.820km 0.582 km 0.698 km	2.45 km is surveyed i.e., 17% of total length
19.	33kV Line from Rupaichari 33/11 kV S/S(new) to 132/33kV Satchand S/S (new)- 6.913 km	AP 1 to AP 10 AP 25 to AP 37	0.851km 0.619 km	1.47 km is surveyed i.e., 21% of total length

2.4.1.1 Taxonomic Diversity along the sampling areas:

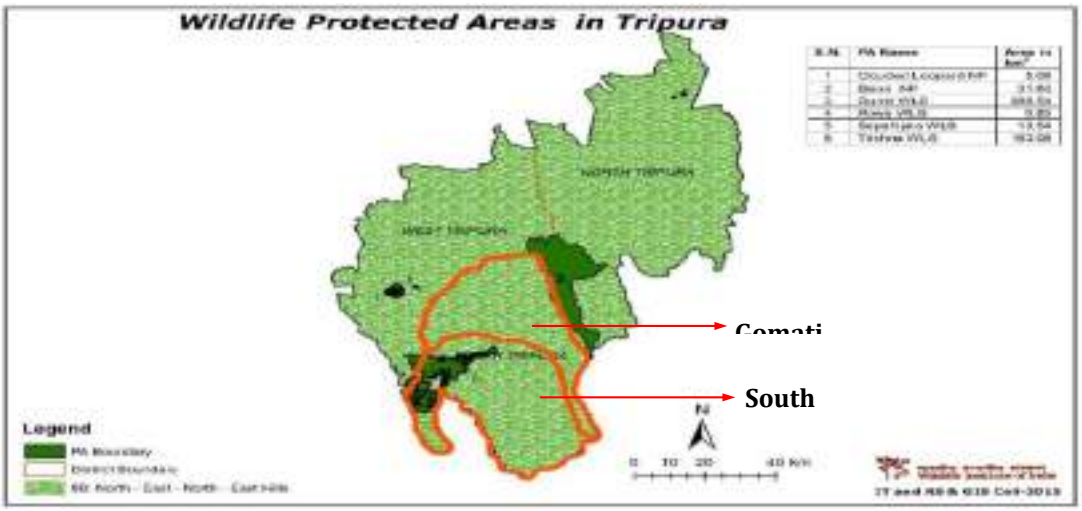
Based upon the data collected during field surveys and data / information collected from secondary sources inventory of 84 plant species found in the area surveyed was prepared. Conservation status of plant species found in the study area was assessed using IUCN Red list of Threatened Species Version 2020.1 (accessed in 2021) as well as Red Data Book of Indian Plants by BSI. The list is well given in **Appendix A under Heading D with IUCN Status**. Dominant species recorded in the project area are *Tectona Grandis, Syzigium Cumini, Mangifera Indica, Tamarindus indicus, Artocarpus Heterophyllus, Chukrasia Tabularis, Schima Wallichii Chois, Terminalia Bellarica, Artocarpus Hirsuta, Aibizzia Spp, Lagerstroemia Parviflora, Cassia Fistula, Albizzia lebbeck, Gmelia Arborea, Hevea brasiliensis, Acacia auriculiformis, Pterocarpus marsupium, Delonix regia, Bombax ceiba, Albizzia lebbeck, Albizzia lebbeck, Samania Saman, Azadirachta Indica, Aegle marmelos, Michelia Champaka.* Protected Areas – Tripura

2.4.1.2 PA with respect to project districts:

The proposed DLs are not passing through any PA like NP, WLS, IBAs, conservation reserves, community reserves and biosphere reserves, etc., as all such areas have been completely avoided through alternative alignment analysis and meticulous route selection. In the instant scheme one of the lines i.e., Garjee - Chittamara 33 kV DL which was earlier passing through core area of Trishna WLS has been realigned at a distance of 0.1 km from the core boundary to avoid any impact on wildlife. 33 kV Rajnagar-Ekinpur DL alignment is passing at a distance of 0.150 km away from the Trishna WLS core boundary. 33 kV Jatanbari Dalak DL is at 7.10 km from Gumti WLS boundary and 10.12 km from Gumti Wetland. **The Maps are shown in Annexure 3**. As confirmed by Wildlife Warden of Trishna Sanctuary Bison migration/ movement is confined to Trishna core which is quite far from proposed route alignment of 33 kV Rajnagar-Ekinpur line and 33 kV Garjee - Chitamara line and no Bison has ever been reported from project area. The consolidated Map of PA with respect to FEAR IV Project is depicted. No ecologically sensitive areas are getting adversely impacted due to project interventions because of DL.

Though the DL is not affecting any of PA, 33 kV Barpathari S/S is falling within core area of Trishna WLS and 0.22 ha forest land utilized for the construction of S/S. **Please Refer Map placed in Annexure 4**. Though the part of Trishna WLS, due to sparse vegetation cover its impact on forests and its resources would be insignificant. It is to be noted that existing 33 kV Rajnagar S/S is outside core area of Trishna WLS at distance of 0.01 km. **Please Refer Map placed in Annexure 4.** IA has already obtained necessary forest and wildlife clearance as per regulatory provisions under Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 respectively and IA has the obligation to comply with conditions prescribed in the above clearances.

Figure 17 Map of PA (Eco sensitive zones) of Tripura



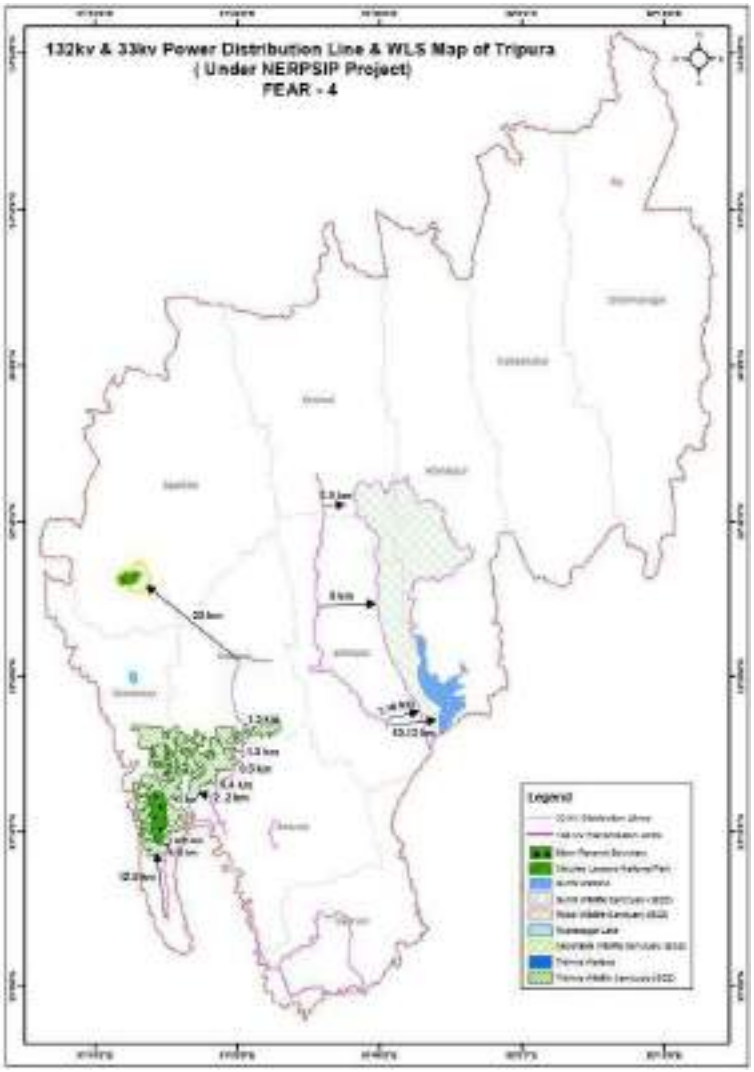


Figure 18 FEAR IV – Subprojects and PAs

2.8.Socio Economic Environment

Study area south Tripura Agriculture is the main profession/source of livelihood of the district, with a net sown area of around 41,840 Ha. Paddy is the main food crop. Potato, sugarcane, jute and mustard are also grown. Fisheries and Animal Husbandry are other prominent sources of employment; currentfish productivity of the district is 2281 kg/Ha/year. The district has not witnessed much industrial growth due to varied reasons, with presence of only two Industrial Areas located at Belonia and at Sabroom. There are about 132 numbers of reported registered factories in the district employing around 2250 workers. There are 5 numbers of Handloom units and around18750 numbers of handloom weavers. Study area Gomati Agriculture is the main occupation. However, only 31.61% of the land in the district is cultivable. The holdings are small, and agriculture is mainly rained and at subsistence level. An analysis of occupational structure in the district shows that about 12.6% are cultivators, 8-9% are agricultural laborer's and 1.61% are dependent on trade and commerce. The non-working population is about 68% which is an indication of the weak economic base and under-development. About 72% of the rural population are living below poverty line. Paddy is the main food crop grown. Potato, sugarcane, Mesta, jute, mustard, etc. are some other crops grown in the district. Tea, coffee, rubber, jackfruit, banana, mango, pineapple, etc. are the major plantation crops.

2.8.1. Demography

Population of the project districts i.e., South Tripura and Gomati in Tripura, as per 2011 census are as shown in **Table No. 2.27** through **Table 2.29**.

Table 2-7 Table 2-14: Demography details of Project District

Sr. No.	District	HH	Population			Literacy Rate %			Sex Ratio	Density / sq. km.	Schedule Caste				Schedule Tribes			
			Male	Female	Total	Male	Female	Total			Male	Female	Total	%	Male	Female	Total	%
1	Gomati	102,707	225428	216110	441538	89.94	78.90	84.53	959	290	38306	36124	74430	16.86	94403	94151	188554	42.70
2	South Tripura	104,683	220,162	210,589	430,751	89.96	79.16	84.68	957	281	33705	32032	65737	15.26	76934	75757	152691	35.45

*Note : Sex Ratio = (Females / 1000 * males), %=(ST or SC total/ Total District population*100), Literacy rate=(total male / female literate/total population*100)*

Table 2-8 Table 2-15: Occupational Pattern of Project Districts

Sr. No.	District	Total Workers				Main Workers				Marginal Workers				Non-Worker			
		Male	Female	Total	%	Male	Female	Total	%	Male	Female	Total	%	Male	Female	Total	%
1	Gomati & South Tripura	253,229	113,616	366,845	41.88	212,050	46,407	258,457	29.50	41,179	67,209	108,388	12.37	194,315	314,841	509,156	58.12

Note: Total Worker% = Total Worker/ Total Population x 100, Main Worker% = Main Worker/ Total Worker x 100, Marginal Worker% = Marginal Worker/ Total Worker x 100, Non-Worker% = Non-Worker/ Total Population x 100

Table 2-9: Main Worker Profile of Project Districts

Sr. No.	District	Main Workers	Cultivators				Agricultural Labor				Household Industry Worker				Other Workers			
			Male	Female	Total	%	Male	Female	Total	%	Male	Female	Total	%	Male	Female	Total	%
1	Gomati & South Tripura	258,457	64,847	20,683	85,530	23.32	67,167	44,165	111,332	30.35	2,993	3,382	6,375	1.74	118,222	45,386	163,608	44.60

Note: Total Cultivator% = Total Cultivator/ Main Worker x 100, Total Agricultural Labour% = Total Agricultural Labour/ Main Worker x 100, Household Industry Worker% = Total Household Industry Worker/ Main Worker x 100, Total Other Workers% = Total Other Workers/ Main Worker x 100

2.8.2. Baseline Description of the Subproject areas

The baseline data around the sub-project sites is broadly in conformity with the data of the project district i.e., Gomati and South Tripura. However, the topography encountered around the DL route alignment is mostly 50% to 60 % hilly and sloppy terrain and 40 to 50% plain. All the existing S/S are located in plain area. All the new S/S are planned on plain land parcels. In case tower/pole locations are on hill terrain and where ever positioning of tower on hill top is not possible leg extension is being utilized so as to minimize/ avoid benching/ revetment and to provide great stability.

The DL at some locations pass through Railway, water bodies, metal roads, rubber plantation etc. Due impact assessment and mitigation measures are implemented which are discussed in **Chapter 5**. The DLs route which involvesnotified RF and UGF forest land would necessitate forest clearance under Forest (Conservation) Act, 1980. Total 26.38 Ha of forest land is involved which has necessitated forest clearance under Forest (Conservation) Act, 1980. Please find the **Annexure 6 for Forest clearance obtained**. Besides all protected areas like NP, WLS, Biosphere Reserve etc.; Natural habitats, IBAs, Sacred groves, Wetlands and designated wildlife/elephant etc. have been completely avoided DLs. However, Barpathari 33 kV S/S is involving 0.22 Ha of RF of Trishna WLS. The details of forest / WLS approvals obtained are as below;

Table 2-10 details of forest / WLS approvals

Sr. No.	Distribution Line / Substation	Forest Area in Ha	PA Impacted	MoEFCC Clearance Status
Distribution Lines				
1	33 kV Line from 33/11 KV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing)	2.67 Ha UGF	No	➢ Online proposal submitted on 31.07.2020 ➢ Proposal forwarded to RMoEF, Shillong on15.03.21. ➢ Observation of RMoEF, Shillong has been submitted on 26.04.2021. ➢ Stage-I obtained on 17.06.2021.
2	33 kV Line from 33/11 kV Moharipur S/S (New) to LILO of Jolaibari- Bagafa	18.19 Ha UGF and RF	No	➢ Online proposal submitted on 31.07.2020 ➢ Proposal forwarded to RMoEF, Shillong on 18.03.2021. ➢ Discussed in REC on 27.04.2021 and got recommended in REC. ➢ Stage-I obtained on 17.06.2021.
3	33 kV Line from 33/11 KV Taidu S/S (New) to 33/11kV Teliamura S/S (Existing)	5.1 Ha of RF	No	➢ Earlier there was no forest was involved in this DL. Due to diversion of line route for NH expansion some forest stretches were unavoidable. ➢ Online proposal submitted on04.07.2020 ➢ Proposal forwarded to RMoEF, Shillong on 15.03.2021. ➢ Discussed in REC on 27.04.2021 and got recommended in REC. ➢ Stage-I issued on 05.05.2021
4	33 kV DL from 33/11 kV Chitamara S/S (New) to 33/11kV Garjee S/S (New)	--	No	➢ Earlier there was forest area of 22.5 Ha of RF involved in the DL. However due to realignment study no forest is involved in the ROW in the current scenario.
Substations				

Sr. No.	Distribution Line / Substation	Forest Area in Ha	PA Impacted	MoEFCC Clearance Status
1	33/11kV Barpathari S/S	0.2209 Ha of RF	Located in Core area of Trishna WLS	➢ Stage-I clearance received on 04.03.2020. ➢ Stage-II clearance (conditional) issued on 18.03.2021. ➢ Working permission issued on 10.05.2021 ➢ National Board for Wildlife (NBWL) permission for Trishna WLS is obtained on 17.12.2019
2	33/11 kV Ekinpur S/S	0.1962 Ha of RF	No	➢ Stage-I clearance received on 02.04.2020 ➢ Stage-II clearance obtained on 12.10.2020

It has been observed that there are some variations in final route length of lines from earlier routes considered and studied in IEAR. The original length of the DLs has been increased to 248.268 km from earlier 232.3 km in IEAR due to further optimization during ground truthing survey. A total of around 11420 poles are being/to be erected for all 19 proposed. The changes are suggested and implemented so that environment & social sensitive areas are avoided/minimized from earlier identified and anticipated impacts in IEAR/EMP. The justification is discussed in the **Chapter 4 Section 4.2 under the heading change in scope of work w.r.t. IEAR.**

Land for all the proposed 14 S/S are already in possession with TSECL and no fresh land is required to be acquired. It has been observed that most of these S/S lands were secured by TSECL since long back. As these S/S locations are easily accessible with existing metal roads construction of new approach road is not required. The details of requirement of approach road along with google map photos of substations depicting status of approach have been placed at **Table 2-14 and Fig 19.** However, it is to submit that in few cases i.e., 33/11kV Taidu S/S - 250m, 33/11kV Ekinpur S/S, 33/11kV Dalak S/S, 33/11kV Chechua S/S, 33/11kV Chittmara S/S, 33/11kV Barpathari S/S, 33/11kV Muhuripur S/S only strengthening/upgradation work of existing internal road is to be undertaken to facilitate movement of construction materials and machineries to the construction sites of S/S in consultation with local authority and villagers.

Table 2-11: Location Details of Substations showing Surrounding Features and Land Status

Sr. No.	Name of Substation	Area (Sq. Mt.)	Location	Surrounding	Accessibility	Land Status
1	132/33 kV Amarpur S/S (New)	16187.4	Adjacent to Udaipur-Amarpur State Highway Co-ordinates - 23°30'33.68"N 91°38'32.35"E	East : River, West : Private Land, North : Udaipur - Amarpur Road South : Govt. Land.	Through Udaipur- Amarpur State Highway	Land being procured through direct purchase on willing buyer & willing seller basis.
2	33/11 KV Dalak Substation. (New) Near Chelagang bazer	5665.6	Adjacent to Amarpur Jatanbari Road, Near: Chelagang Bazar Co-ordinates - 23°27'0.86"N, 91°43'11.28"E	North :Amarpur - Jatanbari Road, South: RF West: Kacha road, East: Habitation	Through Amarpur to Jatanbari Road, Internal Road required.	Available with TSECL
3	33/11 KV Chechua Substation. (New)	2468.6	Adjecent to Ompi - Amarpur road. Co-ordinates - 23°37'32.87"N 91°38'12.31"E	West: Lunga. East: Tilla. North: Rubber Garden. South: PWD Road.	Through Ompi - Amarpur road. Development of Approach Road required.	Available with TSECL
4	33/11 KV Taidu Substation. (New)	1942.5	Teliamura – Ompi main road. Co-ordinates - 23°44'1.00"N, 91°38'51.40"E	West: Habitation. East: Mud road. North: Habitation. South: Paddy land.	Through Teliamura Ompi main road. 250m long appch road required from existing road.	Valuation done by Revenue authority presently under process.**(Ref. Annex-22)**

Sr. No.	Name of Substation	Area (Sq. Mt.)	Location	Surrounding	Accessibility	Land Status
5	33/11 KV Maharani Substation. (New)	2347.2	On Maharani - Jhamtala Road, Near: Maharani Bazar Co-ordinates - 23°31'17.88"N 91° 33'38.04"E	West: Jamtala - Maharani Bazer Road, East: Habitation, South: Habitation & Brick road. North: Mud road & Habitation.	Through Maharani - Jhamtala Road.	Available with TSECL
6	33/11 KV Garjee Substation. (New)	4127.8	On NH-44, Udhaipur to Sabroom Road Near: Police Station. Co-ordinates- 23°25'24.89"N 91°30'43.50"E	East: NH-44, West: Paddy land, North: Forest South: paddy land.	Through NH-44, Udhaipur to Sabroom Road	Available with TSECL
7	33/11 KV Karbook Substation. (New)	3885	On Karbook to Silachari Road Co-ordinates- 23°19'51.20"N 91°44'43.80"E	East: FCI Godown. West: Habitation, North: PWD road, South: Tilla land	Through Karbook - Silachari road.	Available with TSECL
8	33/11 KV Chittamara Substation. (New)	2023.4	On Brick Soiling road from Belonia - Manu Road. Co-ordinates- 23°18'1.70"N, 91°27'11.00"E	Tilla Land	Through Brick Soiling Road from Belonia – Manu Road. Development of Approach Road required.	Available with TSECL
9	33/11 KV Barpathari Substation. (New)	7082	Adjecent to Barpathari Bhatkhola Road, Near: Barpathari school Co-ordinates- 23°17'54.00"N 91°24'47.22"E	North: Mud Road, East: Barpathari to Bhatkhola Road, West: Mud road & habitation, South: Private land	Through Barpathari to Bhatkhola Road, Internal Road required.	Available with TSECL
10	33/11 KV Ekinpur Substation. (New)	1902	On Ekinpur - Chottakhola Bazar Road, near: Chottakhola School. Co-ordinate- 23°6'37.49"N, 91°22'39.41"E	North: Mud Road, East: Ekinpur to Chottakhola road. South & West: Tilla land	Through Ekinpur - Chottakhola Bazar Road, Internal Road required.	Available with TSECL
11	33/11 KV Muharipur Substation. (New)	2145	On Muhuripur - Baikhura Road, Co-ordinates- 23°13'48.42"N 91°34'8.83"E	East: Tilla, West: Muhuripur to Baikhura Road, North: Paddy Land, South: Muhuripur school	Through Muhuripur - Baikhura Road, Internal Road required.	Available with TSECL
12	33/11 KV Srinagar Substation. (New)	1174	On Samarganj - Poangbari Road, Co-ordinates - 23°1'43.74"N 91°33'40.28"E	East: Govt tilla land. West: Govt land, North: PWD road, South: Paddy land	Through Samarganj - Poangbari Road	Available with TSECL
13	33/11 KV Manughat Substation. (New)	2549.5	On Sabroom - Manughat bazar Road, near: Manughat Bazar. Co-ordinate- 22°59'45.60"N 91°38'60.00"E	East: Sabroom Manughat road. West East & South: forest land.	Through Sabroom - Manughat bazar Road.	Available with TSECL
14	33/11 KV Rupaichari Substation. (New)	1902	On Rupaichari - Manubankul Road, Co-ordinates - 23°7'17.76"N, 91°40'32.54"E	North & East: Mud Road West: Manu Bankul ITI College South: Rupaichari to Manubankul Road,	Rupaichari - Manubankul Road,	Available with TSECL

Figure 19 Location Details of Substations showing Surrounding Features and Environmental Settings

132/33 kV Amarpur substation

S/S Site in 2016 Before Construction Work

S/S Site in 2021 – Construction Work is under Progress Detailed S/S site Photographs are presented in Chapter 4 in Section 4.3

33/11 kV Dhalak S/S

S/S Site in 2016 Before Construction Work

S/S Site in 2021 – Construction Work is Not Started

Detailed S/S site Photographs are presented in Chapter 4 in Section 4.3

33/11 kV Taidu S/S

S/S Site in 2018 Before Construction Work

S/S Site in 2021 – Construction Work is Not Started

Detailed S/S site Photographs are presented in Chapter 4 in Section 4.3

33/11 kV Chechua S/S

S/S Site in 2019 Before Construction Work

S/S Site in 2021 – Construction Work is Not Started

Detailed S/S site Photographs are presented in Chapter 4 in Section 4.3

33/11 kV Maharani S/S

S/S Site in 2018 Before Construction Work

S/S Site in 2021 – Construction Work is Under progress

Detailed S/S site Photographs are presented in Chapter 4 in Section 4.3

33/11 kV Garjee S/S

S/S Site in 2017 Before Construction Work

S/S Site in 2021 – Construction Work is Under progress Detailed S/S site Photographs are presented in Chapter 4 in Section 4.3

33/11 kV Moharipur S/S

S/S Site in 2020 Before Construction Work

S/S Site in 2021 – Construction Work is Not Started

Detailed S/S site Photographs are presented in Chapter 4 in Section 4.3

33/11 kV Karbook S/S

S/S Site in 2017 Before Construction Work

S/S Site in 2021 – Construction Work is Under progress

Detailed S/S site Photographs are presented in Chapter 4 in Section 4.3

33/11 kV Chittamara S/S

S/S Site in 2020 Before Construction Work

S/S Site in 2021 – Construction Work is Not Started

Detailed S/S site Photographs are presented in Chapter 4 in Section 4.3

33/11 kV Barpathari S/S

S/S Site in 2021 Before Construction Work

S/S Site in 2021 – Construction Work is Not Started

Detailed S/S site Photographs are presented in Chapter 4 in Section 4.3

33/11 kV Ekinpur S/S

S/S Site in 2016 Before Construction Work

S/S Site in 2021 – Construction Work is Under Progress Detailed S/S site Photographs are presented in Chapter 4 in Section 4.3

33/11 kV Srinagar S/S

S/S Site in 2020 Before Construction Work

S/S Site in 2021 – Construction Work is Not Started

Detailed S/S site Photographs are presented in Chapter 4 in Section 4.3

33/11 kV Manughat S/S

S/S Site in 2017 Before Construction Work

S/S Site in 2021 – Construction Work is Not Started

Detailed S/S site Photographs are presented in Chapter 4 in Section 4.3

33/11 kV Rupaichari S/S

S/S Site in 2016 Before Construction Work

S/S Site in 2021 – Construction Work is Completed

Detailed S/S site Photographs are presented in Chapter 4 in Section 4.3

Details of land use / land cover and environmental setting of final route alignment describing important features discussed in detail in **Chapter 4**.

Regular environmental monitoring is being carried out at S/S locations where Construction activity is under progress. It is being observed that during construction activity dust emission is not envisaged as water sprinkling activity is regularly carried out at construction site which has nullified the impact of dust emission in the area. Construction activity is carried out in the confined space and locations are far from nearby habitations. Thus, Noise impacts are not envisaged. However, the baseline environmental monitoring for water and noise environment at various locations of subproject construction sites are being carried out as regular activity as part of EMP during construction phase by construction contractors. All the analysis results are found within prescribed limits. **Please refer Appendix A.**

During the field surveys it was tried to survey minimum 10% of the route for flora data collection, which in some cases constituted a continuous stretch and, in some cases, could be covered in parts. The stretches were selected considering diversity of flora. At some places along the alignment, forest plantation is recorded e.g., rubber plantation which is homogenous. At some stretches the diversified flora is recorded. In Tripura State rare and endangered species of both Flora and Fauna are listed in **Section 2.4**. Also, during field survey in project area *Pterocarpus marsupium,* vulnerable species, and *Aegle marmelos* near threatened species as per Conservation Status IUCN (2020.1) are recorded*. Lantana Camera* is invasive species recorded during filed survey. The fauna elements were not found during field surveys in the project areas except some bird and common fauna. Hence the data was collected through consultations with local public, Forest department officials and POWERGRID officials working in the project area. The detailed vegetation and faunal assessment are discussed in **Section 2.4.4** and list of vegetation recorded during field survey is depicted in **Appendix A under Heading D**.

The tree cutting in nonforest area was avoided during construction activities at S/S locations and at DLs at maximum. There is no provision of compensatory plantation in non-forest area in lieu of tree cutting in Tripura State. However, it was tried to retain the trees on site. Also because of nature of DL pole no tree cutting is envisaged. Only grass growth on the S/S plot was cleared during land development prior to construction. At DLs locations tree cutting is avoided maximum because of the pole size and nature of construction. Under unavoidable circumstances, it was maximum tried to trim trees at limited locations where the hight of trees was hindering the work.

It is mandatory to do the compensatory afforestation as per the forest clearances obtained for the project. As per specific conditions in Forest Clearance obtained from MoEFCC, the compensatory afforestation is to be / being carried out on double the degraded forest area as suggested and identified by forest department. POWERGRID / IA has paid the requisite cost as per prescribed law for the compensatory afforestation (CAMPA) to Forest department. It may also be noted that the user agency/ IA has no role in taking compensatory afforestation activity except deposition of CA cost to forest dept/CAMPA rather it is the forest dept responsibility to undertake the plantation as per CA scheme. **The details are explained in the evaluation chapter 5 Section 5.2.4.**

Electricity is one of the basic needs of 21st century. The subproject area is overall backward in terms of economic activities and lacks good communication system, shortage of power and lack of proper irrigation & marketing facilities add to the poverty of the district. The current project will be helpful for the local people of project district to uplift their economic condition. After improvement of the power supply, the socioeconomic status of this area will be improved this will possibly attract industrial & commercial investments in this area. While discussing with local people of project area, it was observed that they are very helpful and cooperating contractors and Power Grid personnel for completion of this project. In conclusion, local people feel that their socioeconomic condition will upgrade because of this project.

3. POLICY, LEGAL & REGULATORY FRAMEWORK

3.1.Introduction

Power transmission project activities by their inherent nature and flexibility have negligible impacts on environmental and social attributes. Indian laws relating to environmental and social issues have strengthened in the last decade both due to local needs and international commitments. TSECL undertakes its activities within the purview of Indian and State specific laws keeping in mind appropriate international obligations and directives and guidelines with respect to environmental and social considerations of Funding Agencies.

3.2.Constitutional Provisions

Subsequent to the first United Nations Conference on Human Environment at Stockholm in June, 1972, which emphasized the need to preserve and protect the natural environment, the Constitution of India was amended through the historical 42nd Amendment Act, 1976 by inserting Article 48-A and 51-A(g) for protection and promotion of the environment under the Directive Principles of State Policy and the Fundamental Duties respectively. The amendment, inter alia provide:

- "The State shall endeavor to protect and improve the environment and to safeguard the forests and wildlife of the country". (New Article 48A)
- "It shall be the duty of every citizen of India to protect and improve the natural environment including forests, lakes, rivers and wildlife and to have compassion for living creatures". (New Article 51 A (g)
- Article 21 of the constitution provides, "no person shall be deprived of his life or personal liberty except according to procedure established by law".

Article 21 is the heart of the fundamental rights and has received expanded meaning from time to time after the decision of the Supreme Court in 1978. The Article 21 guarantee fundamental right to life – a life of dignity to be lived in a proper environment, free of danger of disease and infection. The right to live in a healthy environment as part of Article 21 of the Constitution. Recently, Supreme Court has broadly and liberally interpreted the Article 21, transgressed into the area of protection of environment, and held that the protection of environment and citizen's right to live in eco-friendly atmosphere interpreted as the basic right guaranteed under Article 21.

Thus, the Indian Constitution has now two-fold provision:

a. On the one hand, it gives directive to the State for the protection and improvement of environment.
b. On the other hand, the citizens owe a constitutional duty to protect and improve natural environment.

Sixth Schedule

In Tripura, special provisions have been extended to the Tribal Areas under the 6th Schedule **[Articles 244(2) and 275(1)]** in addition to basic fundamental rights. Besides, the Tripura Panchayat (Second Amendment) Act, 1998 of Principal Act, 1993 includes ADC in Government functioning. The Sixth Schedule is entirely focused at protection of tribal areas and interests by allowing self-governance through constitutional institutions at the district or regional level.

These institutions are entrusted with the twin task of protecting tribal cultures and customs and undertaking development tasks.

The Sixth Schedule of the Constitution applies to a large part of the state, which is under the jurisdiction of the "Tripura Tribal Areas Autonomous District Council" (TTAADC). Out of the total geographical area of 10,491 sq. km, 7,133 sq. km (about 68%) is under the TTAADC.

Constitutional provisions in regard to social safeguards are well enshrined in the preamble such as JUSTICE, social, economic and political; LIBERTY of thought, expression, belief, faith and worship; EQUALITY of status and of opportunity; FRATERNITY assuring the dignity of the individual and the unity and integrity of the Nation. Fundamental Rights and Directive Principles guarantee the right to life and liberty. Health, safety and livelihood have been interpreted as part of this larger right. Social safeguards provisions are dealt in detail in different Article such as Article-14, 15 17, 23, 24, 25, 46, 330, 332 etc. POWERGRID have implemented the said constitutional provision in true sprit to fulfill its environmental and social obligations and responsibilities.

3.3.Environmental Mandatory Requirements

The applicable national and WB acts, rules and relevant policies in the context of the project are discussed in subsequent sections and its status of compliance are presented in **Table 3.1**.

3.3.1. National/State

- **GoT order/sanction under The Electricity Act, 2003**

Sanction of GoT is a mandatory requirement for taking up any new transmission project under the section 68(1) of The Electricity Act, 2003. The sanction authorizes TSECL to plan and coordinate activities to commission the new project. Electricity Act does not explicitly deal with environmental implications of activities related to power transmission and construction of substation. However, TSECL integrates environmental protection within its project activities.

- Forest Clearance under the Forest (Conservation) Act, 1980

When transmission projects pass through forest land, clearance has to be obtained from relevant authorities under the Forest (Conservation) Act, 1980. This Act was enacted toprevent rapid deforestation and environmental degradation. State governments cannot de- reserve any forest land or authorize its use for any non-forest purposes without approval fromthe Central government. TSECL projects, when involving forest areas, undergo detailed review and approval procedures to obtain a Forest Clearance certificate from MoEF&CC, GoI before starting any construction activity in designated forest area.

- Wild life (Protection) Act, 1972

To protect and conserve the Wildlife and habitation. Any TL/ DL traverses PA, prior clearance is mandatorily required from NBWL GoI under the Wild life (Protection) Act, 1972.

- Environmental Clearances under Environment (Protection) Act,1986

Since DL projects are environmentally clean and do not involve any disposal of solid waste, effluents and hazardous substances in land, air and water they are kept out of the purview of

Environment (Protection) Act, 1986. However, amendment in the Environment (Protection) Act, 1986 on 7th May' 1992 made it necessary to obtain clearance from MoEF&CC for power transmission projects in two districts in the Aravalis (viz., Alwar in Rajasthan and Gurgaon in Haryana). The Aravali range, in these two areas, is heavily degraded; hence, any industrial activity there becomes critical. Environment Impact Notification, 1994 & 2006 lays down specific project categories that require clearance from MoEF&CC Power transmission projects are not included in this list.

- Ozone Depleting Substances (Regulation and Control) Rules, 2000

MoEF&CC vide its notification dated 17th July, 2000 under the section of 6, 8 and 25 of the Environment (Protection) Act, 1986 has notified rules for regulation /control of Ozone Depleting Substances under Montreal Protocol adopted on 16th September 1987. As per the notification certain control and regulation has been imposed on manufacturing, import, export and use of these compounds. TSECL follows provisions of notification and phase out all equipment which uses these substances and planning to achieve CFC free organization in near future.

- Batteries (Management and Handling) Rules, 2001

MoEF&CC vide its notification dated 16th May, 2001 under the section of 6, 8 and 25 of the Environment (Protection) Act, 1986 has put certain restriction on disposal of used batteries and its handling. As per the notification it is the responsibility of bulk consumer (TSECL) to ensure that used batteries are not disposed of, in any manner, other than by depositing with the dealer / manufacturer / registered recycler /importer / reconditioner or at the designated collection centers and to file half yearly return in prescribed form to the concerned State Pollution Control Board (SPCB).

- Hazardous Wastes (Management, Handling and Tran boundary Movement) Rules, 2008

Vide notification dated 24th September, 2008 under the EPA, 1986, MoEF&CC notified rules for environmentally sound management of hazardous wastes to ensure that the hazardous wastes are managed in a manner which shall protect health and the environment against the adverse effects that may result from such waste. The used transformer oil has been declared as hazardous wastes vide this notification.

TSECL, being a bulk user of transformer oil is promised to comply with the provisions of the said rules (MoEF&CC notification dated 24th September 2008) if the practice of storing of used oil is maintained. In case it is decided to outsource the process of recycle of used oil to registered recycler as per the provisions of notification then TSECL regularly submits the desired return in prescribed form to concerned SPCB at the time of disposal of used oil.

- E-waste (Management and Handling) Rules, 2016

E-Waste (Management and Handling) Rules, 2011 has notified the E-Waste (Management) Rules, 2016 vide G.S.R. 338(E) dated 23.03.2016 which is effective from 01-10-2016. These rules are applicable to every producer, consumer or bulk consumer, collection center, dismantler and recycler of e-waste involved in the manufacture, sale, purchase and processing of electrical and electronic equipment or components specified in schedule – I of these Rules. Liability for damages caused to the environment or third party due to improper management of e-waste including provision for levying financial penalty for violation of provisions of the Rules has also been introduced.

- The Biological Diversity Act, 2002

Under the United Nations Convention on Biological Diversity signed at Rio de Janeiro on the 5th June, 1992 of which India is also a party, GoI has enacted the Biological Diversity Act, 2002 to provide for conservation of biological diversity, sustainable use of its components and fair and equitable sharing of the benefits arising out of the use of biological resources, knowledge and for matters connected therewith. As per the provision of act certain area which are rich in biodiversity and encompasses unique and representative ecosystems are identified and designated as Biosphere Reserve to facilitate its conservation. All restrictions applicable to PA like NP / WLS are also applicable to these reserves TSECL always abide by the provision of act wherever applicable, and always try by best efforts to totally avoid these biosphere reserves while finalizing the route alignment.

- Tree Extraction vide notification No.F.7 (44)/For/FP-200I/PT11/29.042 dated17.01.2002

This specify which plantations need to be registered, which tree species do not require felling permission, what process is to be followed in order to fell trees outside non recorded forest areas, how is the transit of timber originating from non-recorded forest areas how is the transit of timber originating from non-recorded forest areas regulated and how and why timber can be confiscated to Government. TSECL follows all provisions of this rule for felling of trees from non-forest land.

- Ancient Monuments & Archaeological Sites and Remains Act, 1958

An Act to provide for the preservation of ancient and historical monuments and archaeological sites and remains of national importance, for the regulation of archaeological excavations and for the protection of sculptures, carvings and other like objects.

- The Scheduled Tribes & Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006

This act recognizes and vests the forest rights and occupation in forest land to forest dwelling. Scheduled Tribes and other traditional forest dwellers who have been residing in such forests for generations but whose rights could not be recognized.

The definitions of forest dwelling schedule tribes, forestland, forest rights, forest villages, etc. have been included in Section 2 of the Act. The Union Ministry of Tribal Affairs (MoTA) is the nodal agency for implementation of the Act while field implementation is the responsibility of the respective State government agencies. Its implementation has also been linked with forest clearance process under Forest (Conservation) Act, 1980 w.e.f. August 2009 by MoEF&CC. TSECL is abide to the provisions of the act, if any portion of the DL is passing through forest land, in occupation of the forest dwelling scheduled tribes and other traditional forest dwellers for laying of DLs. However, for linear projects including DLs obtaining of NoC from the gram

Sabha has been exempted for the requirement of FRA compliance as per MoEF&CC circular dated 5th February 2013 and 15th January 2014.

3.3.2. Funding Agency:

For TSECL, mandatory environment requirements with respect to WB Operational Policies are as follows:

- World Bank (WB) Operational Policies (OP) 4.01: Environmental Assessment

The policy objective is to ensure the environmental and social soundness and sustainability of investment projects and support integration of environmental and social aspects of projects in the decision-making process.

TSECL takes remedial measures to prevent, minimize, mitigate, or compensate for adverse impact and improve environmental performance. Environment Assessment will take into account the natural environment, human health and safety, and social aspects and trans-boundary and global environmental aspects. During EA process public is also informed at every stage of project execution and their views are considered during decision-making process.

- World Bank OP 4.04: Natural Habitats

The policy objective is to promote sustainable development by supporting the protection, conservation, maintenance, and rehabilitation of natural habitats and their functions.

- World Bank OP 4.11: Physical Cultural Resources

The policy objective is to preserve PCR and in avoiding their destruction or damage. PCR includes resources of archaeological, paleontological, historical, architectural, and religious (including graveyards and burial sites), aesthetic, or other cultural significance.

- World Bank OP 4.36: Forests

The objective of this policy is to realize the potential of forests to reduce poverty in a sustainable manner, integrate forests effectively into sustainable economic development, and protect the vital local and global environmental services and values of forests.

- WB EHS Guidelines for Electric power T&D

The Environmental, Health, and Safety (EHS) Guidelines are technical reference documents with general and industry specific examples of Good International Industry Practice (GIIP). The EHS Guidelines for Electric Power T&D include information relevant to power transmission between a generation facility and a S/S located within an electricity grid. The following section provides a summary of EHS issues associated with electric power T&D that occur during the construction and operation phases of a facility, along with recommendations for their management. Additional recommendations for the management of environmental issues during the construction and decommissioning phases of power T&D systems are provided in the General EHS Guidelines. Examples of the impacts addressed in the General EHS Guidelines include: ·

- ✓ Construction site waste generation;

- ✓ Soil erosion and sediment control from materials sourcing areas and site preparation activities;
- ✓ Fugitive dust and other emissions (e.g., from vehicle traffic, land clearing activities, and materials stockpiles);
- ✓ Noise from heavy equipment and truck traffic;
- ✓ Potential for hazardous materials and oil spills associated with heavy equipment operation and fueling activities.

3.3.3. Social Mandatory Requirements

The applicable national and WB acts, rules and relevant policies in the context of the project are discussed in subsequent sections and its status of compliance are presented in **Table 3.2**.

3.3.4. National / State

- **The Right to Fair Compensation and Transparency in Land Acquisition Rehabilitation and Resettlement Act, 2013 (RFCTLARRA)**

Govt. of India replaced the old Land Acquisition Act, 1894 and notified the new RFCTLARRA, 2013 which came into force from 1st January 2014. This act ensures appropriate identification of the affected families/households, fair compensation and rehabilitation of title holders and non-title holders. However, the new act i.e., RFCTLARRA, 2013 authorizes State Govt. (i.e., GoT) or its authorized Government agency to complete the whole process of acquisition of private land including Social Impact Assessment (SIA), Action Plan for R&R (i.e., Rehabilitation and Resettlement) & its implementation and the TSECL responsibility is limited to identification and selection of suitable land based on technical requirement and ensuring budget allocation. Also, as per Section 112 of the LARR Act, 2013, Tripura State has already notified LARR Rules, 2015.

- **Sixth schedule of the constitution**

Special provisions also have been extended to the Tribal Areas under the 6th Schedule [Articles 244(2) and 275(1) of the constitution] in addition to basic fundamental rights. The Sixth Schedule provides for administration of tribal areas as autonomous entities. The administration of an autonomous district is vested in a District Council and of an autonomous region, in a Regional Council. These Councils are endowed with legislative, judicial, executive and financial powers.

- **Rights of Way and Compensation under Electricity Act, 2003**

The Electricity Act, 2003 has a provision for notifying transmission company under section 164 (B) to avail benefits of eminent domain provided under the Indian Telegraph Act, 1885. Under this section TSECL may seeks for GoT authorization to exercise all the powers that the Telegraph authority possesses and can spot, construct and erect towers without acquiring the land. Moreover, all damages due to its activity shall be compensated at market rate. In case of agricultural or private land the provisions of section- 67 and/or section-68 (5 & 6) of the Electricity Act, 2003 and section-10 of the Indian Telegraph Act, 1885 are followed for assessment and payment of compensation towards such damages.

- **The Right to Information Act, 2005**

Right to Information Act 2005 mandates timely response to citizen requests for government information. It is an initiative taken by Department of Personnel and Training, Ministry of Personnel, Public Grievances and Pensions to provide a– RTI Portal Gateway to the citizens for quick search of information on the details of first Appellate Authorities, PIOs etc. amongst others, besides access to RTI related information / disclosures published on the web by various Public Authorities under the government of India as well as the State Governments.

- **Indian Treasure Trove Act, 1878 as amended in 1949**

It defines treasure specifically as "anything of any value hidden in the soil" and worth as little as 10 rupees. The finder of any such treasure, according to this law, needs to inform the most senior local official of the "nature and amount or approximate value of such treasure and the place where it was found". When any person is entitled, under any reservation in an instrument of transfer of any land or thing affixed thereto, to treasure in such land or thing, he shall, for the purposes of this Act, be deemed to be the owner of such land or thing.

3.3.5. Funding Agency

For TSECL, mandatory social requirements with respect to WB Operational Policies are as follows:

- **World Bank OP 4.12: Involuntary Resettlement**

These policies cover direct economic and social impacts both resulting from Bank- assisted investment projects, and are caused by the involuntary taking of land. To avoid or minimize involuntary resettlement and, where this is not feasible, assist displaced persons in improvingor at least restoring their livelihoods and standards of living in real terms relative to pre-displacement levels or to levels prevailing prior to the beginning of project implementation, whichever is higher.

- **World Bank OP 4.10: Indigenous People (IP)**

This policy contributes to WB's mission of poverty reduction and sustainable development by ensuring that the development process fully respects the dignity, human rights, economies, and cultures of Indigenous Peoples. The objective is to design and implement projects in a way that fosters full respect for indigenous peoples‟ so that they receive culturally compatible social and economic benefits, and do not suffer adverse effects during the development process. The project is promised to ascertain broad community support for the project based on social assessment and free prior and informed consultation with the affected Tribal community, if any.

- **WB Managing the Risks of Adverse Impacts on Communities from TemporaryProject Induced Labor Influx 2016**

Provides guidance on identifying, assessing and managing the risks of adverse social and environmental impacts that are associated with the temporary influx of labor resulting from Bank supported projects. provide concrete guidance on how to approach temporary labor influx within the environmental and social assessment process.

Table 3-1: Environmental Provisions

Sr. No.	Acts, Notification & Policies	Applicability to the project	Status of compliance
1. National			
1.1	Electricity Act, 2003	Applicable - DL projects are constructed under the ambit of Electricity Act, 2003 following the provisions of Section 67 & 68 of act	Complied with: MoP, GoI approved the NERPSIP Comprehensive scheme for six NES including Tripura under vide its Office Memorandum dated 1st December 2014.
1.2	Forest (Conservation)Act, 1980	Applicable-Since 33 kV Line from 33/11 KV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing) has 2.67 Ha UGF, 33 kV Line from 33/11 kV Moharipur S/S (New) to LILO of Jolaibari- Bagafa has 18.19 Ha UGF and RF, 33 kV Line from 33/11 KV Taidu S/S (New) to 33/11kV Teliamura S/S (Existing) has 5.1 Ha of RF, forest clearance under FC Act 1980 is applicable in instant case. In Substations 33/11kV Barpathari S/S has 0.2209 Ha of RF and 33/11 kV Ekinpur S/S has 0.1962 Ha of RF, forest clearance under FC Act 1980 is applicable in instant case.	DLs Stage-I obtained on 17.06.2021. Stage-I obtained on 17.06.2021 Stage-I issued on 05.05.2021 respectively. Substations For Barpathari 33 kV S/S Stage-II clearance (conditional) issued on 18.03.2021. Working permission issued on 10.05.2021 For Ekinpur 33 kV S/S Stage-II clearance obtained on 12.10.2020
	Wild life (Protection) Act, 1972	0.2209 Ha Trishna WLS forest is involved in Barpathari 33 kV S/S, NBWL clearance under WL Protection act 1972 is applicable in instant case.	Stage-II clearance (conditional) issued on 18.03.2021. Working permission issued on 10.05.2021 National Board for Wildlife (NBWL) permission for Trishna WLS is obtained on 17.12.2019
1.3	Environment (Protection) Act,1986/Environment Impact Assessment Notification,2006	Applicable Though some limited compliance measures notified under this EPA, 1986 are to be adhered to relevant rules and regulations under the EPA, 1986 applicable to the operations of TSECL	Complied with: Though applicable as it is umbrella legislation, however, as such statutory permission/ license is not required
(i)	Ozone depleting Substances (Regulation and Control) Rules, 2000	Applicable As per the notification, certain control and regulation has been imposed on manufacturing, import, export, and use of these compounds.	Complied with: Only CFC free equipment are being procured/specified in tender document

Sr. No.	Acts, Notification & Policies	Applicability to the project	Status of compliance
(ii)	Batteries (Management and Handling) Rules, 2001	Applicable during operation phase only Used batteries to be disposed to dealers, manufacturer, registered recycler, reconditioners or at the designated collection centers only. A half-yearly return to be filed as per Form-8 to the TSPCB	Batteries will be used during operational phase. Hence, the issue of proper handling and disposal of batteries as per the rules is not an issue during the construction phase.
(iii)	Hazardous Wastes (Management, Handling and Trans boundary Movement) Rules, 2016	Applicable Requires proper handling, storage and disposed only to authorized disposal facility (registered recyclers/ reprocessors). In case it is decided to outsource the process of recycle of used oil to registered recycler as per the provisions of notification then TSECL to submit the desired return in prescribed form to concerned TSPCB at the time of disposal of used oil	Generally Used oil is generated after 10-15 years of operation of transformers and therefore, the handling and disposal of hazardous transformer oil is not an issue at this stage.
(iv)	E-waste (Management and Handling) Rules, 2016	Applicable To dispose e-waste generated in environmentally sound manner by channelizing to authorized collection centers/ registered dismantler / recyclers / return to producers. TSECL, being a bulk consumer of electrical and electronics equipment to maintain record as per form-2 for scrutiny by TSPCB	E-waste disposal is not an issue during construction phase.
1.4	Biological Diversity Act,2002	Not applicable as the project does not involve any biosphere reserves	
1.5	Ancient Monuments & Archaeological Sites & Remains Act, 1958	Not Applicable. All such areas have been completely avoided.	Not Required
1.6	Tree Extraction vide notification No.F.7	Applicable only in case of S/S if tree removal. However, In DL Corridor no	NOC is obtained under the provision

Sr. No.	Acts, Notification & Policies	Applicability to the project	Status of compliance
	(44)/For/FP-200 I/PT11/29.042 dated 17.01.2002	Tree cutting is envisaged and hence this notification is not applicable directly. The route has been selected in such a way that it has minimum obstructions under its alignment & majority of the trees have been trimmed which create hindrance to electrical safety.	
1.12	The Scheduled Tribes & Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006	Applicable as there is forest land involvement	Obtained
2. World Bank Operational Policy			
2.1	OP 4.01: Environmental Assessment	E & S aspects of the project have already been integrated into the management procedures based on comprehensive environment assessment undertaken by IA during 2015.	Complied with: E & S aspects of the project have already been integrated into management procedures based on comprehensive environment assessment undertaken by IA during 2015
2.2	OP- 4.04: Natural Habitats	The present project involves natural habitats such as biodiversity area, forest area, PA etc. Hence Applicable	Required
2.3	OP-4.11: Physical Cultural Resources (PCR)	The present project does not encroach upon any such resources	Not Required
2.4	OP-4.36: Forests	Applicable-Since in DL 33 kV Line from 33/11 KV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing) has 2.67 Ha UGF, 33 kV Line from 33/11 kV Moharipur S/S (New) to LILO of Jolaibari- Bagafa has 18.19 Ha UGF and RF, 33 kV Line from 33/11 KV Taidu S/S (New) to 33/11kV Teliamura S/S (Existing) has 5.1 Ha of RF, forest clearance under FC Act 1980 is applicable in instant case. In Substations 33/11kV Barpathari S/S has 0.2209 Ha of RF and 33/11 kV Ekinpur S/S has 0.1962 Ha of RF, forest clearance under FC Act 1980 is applicable in instant case.	DLs Stage-I obtained on 17.06.2021. Stage-I obtained on 17.06.2021 Stage-I issued on 05.05.2021 respectively. Substations For Barpathari 33 kV S/S Stage-II clearance (conditional) issued on 18.03.2021. Working permission issued on 10.05.2021 National Board for Wildlife (NBWL) permission for Trishna WLS is obtained on 17.12.2019 For Ekinpur 33 kV S/S Stage-II clearance obtained on 12.10.2020

Sr. No.	Acts, Notification & Policies	Applicability to the project	Status of compliance
2.5	WB EHS Guidelines for Electric power T&D	Applicable provisions of EHS guidelines have been followed during the implementation of the project	Complied with: EHS guidelines are being followed during project implementation.

3.4.Necessary Statutory Permission/Licenses/NOC Obtained in the Instant Case

The applicability of acts, notifications and policies have already been described in above paragraphs and table. As per the applicability, necessary permission/ licenses/ NOC so far to obtained by IA or contractor are:

- All the contractors have obtained and operating the construction work with valid labor license as per provision under section – 12(1) of the Contract Labor (Regulation & Abolition) Act, 1970 and also certified under Section- 7(3) of the Building and Other Construction Workers (Regulation of Employment and Condition of Service) Act, 1996 from Ministry of Labor & Employment. The same are discussed and presented in relevant sections of subsequent chapters.
- All the contractors have obtained requisite insurance policy as per provisions of Employee Compensation Act, 1923 for its employed workforce. The same are discussed and presented in relevant sections of subsequent chapters.
- Since the tower locations are coming under various villages of 2 districts NoC from concerned land owner/ Headman / Village Council are being obtained as per the progress of work. The same are referred and presented in relevant sections of subsequent chapters.
- The proposed DLs DL 33 kV Line from 33/11 KV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing) has 2.67 Ha UGF, 33 kV Line from 33/11 kV Moharipur S/S (New) to LILO of Jolaibari- Bagafa has 18.19 Ha UGF and RF, 33 kV Line from 33/11 KV Taidu S/S (New) to 33/11kV Teliamura S/S (Existing) has 5.1 Ha of RF, forest clearance under FC Act 1980 is applicable in instant case. Accordingly, Stage I Clearance is obtained on 17-06-2021, 17-06-201, 05-05-2021 respectively.
- In proposed Substations, 33/11kV Barpathari S/S has 0.2209 Ha of RF and 33/11 kV Ekinpur S/S has 0.1962 Ha of RF, forest clearance under FC Act 1980 is applicable in instant case. Accordingly, for Barpathari 33 kV S/S Stage-II clearance (conditional) issued on 18.03.2021. Working permission issued on 10.05.2021. National Board for Wildlife (NBWL) permission for Trishna WLS is obtained on 17.12.2019. For Ekinpur 33 kV S/S Stage-II clearance obtained on 12.10.2020.

4. Please Refer Annexure 6 for Forest clearance obtained.

- It is mandatory to do the compensatory afforestation as per the forest clearances obtained for the project. As per specific conditions in Forest Clearance obtained from MoEFCC, the compensatory afforestation is to be carried out on double the degraded forest area as suggested and identified by forest department. POWERGRID has paid the requisite cost as per prescribed law for the compensatory afforestation (CAMPA) to Forest department. PPOWERGRID has limited role upto compensation payments. Further to this Forest Department is being implementing the CAMPA.

4. MAJOR FEATURES OF FINAL ROUTE & ENVIRONMENT IMPACT

4.1.Introduction

Environmental impact of T&D line projects is not far reaching and are mostly localized to RoW. However, T&D project has some effects on natural and socio-culture resources. These impacts can be minimized by careful route selection. To minimize these possible impacts, TSECL & IA at the system planning stage itself try to avoid ecological sensitive areas like forest. Wherever such infringements are substantial, different alternative options are considered to select most viable route alignment. For further optimization of route modern survey techniques/tools like GIS, GPS aerial photography is also applied. Introduction of GIS and GPS in route selection result in access to updated/latest information, through satellite images and further optimization of route having minimal environmental impact. Moreover, availability of various details, constraints like topographical and geotechnical details, forest and environmental details etc. help in planning the effective mitigate measures including engineering variations depending upon the site situation/location.

At the system planning stage itself one of the factors that govern the evolution of system is the possible infringement with the forest. Wherever such infringements are substantial, different alternative options are considered.

While identifying the transmission system, preliminary route selection is done by TSECL based on the Survey of India Toposheets, Forest Atlas (Govt. of India's Publication) and Google Maps etc. During route alignment all possible efforts are made to avoid the forest area involvement completely or to keep it to the barest minimum, whenever it becomes unavoidable due to the geography of terrain or heavy cost involved in avoiding it. Presence of important/protected natural habitats (IUCN category I - IV) is verified by superimposing the proposed alternative alignment on the Integrated Biodiversity Assessment Tool (IBAT) map. The route/site selection criteria followed is detailed below in the ensuing paragraphs.

4.2.Environmental Criteria for Route Selection

For selection of optimum route, the following points are taken into consideration:

- The route of the proposed transmission lines does not involve any human rehabilitation
- Any monument of cultural or historical importance is not affected by the route of the DL.
- The proposed route of DL does not create any threat to the survival of any community with special reference to Tribal Community.
- The proposed route of DL does not affect any public utility services like playgrounds, schools, other establishments etc.
- The line route does not pass through any National Parks, Sanctuaries etc.
- The line route does not infringe with area of natural resources.

In order to achieve this, TSECL undertakes route selection for individual DLs in close consultation with representatives of concerned Forest Department and the Department of Revenue. Although under the law, TSECL has right of eminent domain yet alternative alignments are considered keeping in mind the above-mentioned factors during site selection, **with minor alterations often added to avoid environmentally sensitive areas and settlements at execution stage.**

- As a rule, alignments are generally cited away from major towns, whenever possible, to account for future urban expansion.
- Similarly, forests are avoided to the extent possible, and when it is not possible, a route is selected in consultation with the local Divisional Forest Officer, that causes minimum damage to existing forest resources.
- Alignments are selected to avoid wetlands and unstable areas for both financial and environmental reasons.

In addition, care is also taken to avoid NP, WLS, ESZ, Tiger reserves, Biosphere reserves, Elephant corridors and IBA sites etc. Keeping above in mind the routes of proposed lines under the project have been so aligned that it takes care of above factors. As such different alternatives for DLs were studied with the help of Govt. published data like Forest atlas, SoI and Google Maps etc. to arrive at most optimum route which can be taken up for detailed survey and assessment of environmental & social impacts for their proper management.

Similarly, the TOR for detailed survey using modern tool like GIS/GPS also contained parameters to avoid/reduce environmental impact while deciding the final route alignment. The major objectives for detailed survey that are part of contract are summarized below:

i. The alignment of DL shall be most economical from the point of view of construction and maintenance.
ii. Routing of DL through protected and reserved forest area should be avoided. In case it is not possible to avoid the forest or areas having large trees completely then keeping in view of the overall economy, the route should be aligned in such a way that cutting of trees is minimum.
iii. The route should have minimum crossing of major rivers, railway lines, and national/state highways, overhead EHP power lines and communication lines.
iv. The number of angle point shall be kept to a minimum
v. The distance between the terminal points specified shall be kept shortest possible, consistent with the terrain that is encountered
vi. Marshy and low line areas, river beds and earth slip zones shall be avoided to minimum risk to the foundations
vii. It would be preferable to utilize level ground for the alignment.
viii. Crossing of power line shall be minimal. Alignment is kept at a minimum distance of 300 meters from power lines to avoid induction problems on the lower voltage lines.
ix. Crossings of communication lines shall be minimized and it shall be preferably at right angle, proximity and paralyses with telecom lines shall be eliminated to avoid danger of induction to them.
x. Area subjected to flooding searches streams shall be avoided.
xi. Restricted areas such as civil and military airfield shall be avoided. Care shall also be taken to avoid the aircraft landing approaches
xii. All alignment should be easily accessible both in dry and rainy seasons to enable maintenance throughout the year.
xiii. Certain areas such as query sites, tea, tobacco and saffron fields and rich plantation, gardens and nurseries that will present the owner problems in of right of way and leave clearance during construction and maintenance should be avoided.
xiv. Angle point should be selected such that shifting of the point within 100 m radius is possible at the time of construction of the line.
xv. The line routing should avoid large habitation densely populated areas to the extent possible.

xvi. The area requires special foundations and those prone to flooding should be avoided.

xvii. For examination of the alternatives and identification of the most appropriate route, besides making use of information/data/details available/extracted through survey of India topographical maps and computer aided processing of NRSA satellite imagery, the contractor shall also carry out reconnaissance / preliminary survey as may be required for the verification and collection of additional information/data/details.

xviii. The contractor shall submit his preliminary observation and suggestion along with various information/data/details collected and also processed satellite imagery data, topographical map data marked with alternative routes etc. The final evaluation of the alternative routes shall be conducted by the contractor in consultation with owners' representatives and optimal route alignment shall be proposed by the contractor.Digital terrain modeling using contour data from topographical maps as well as processed satellite data shall be done by the contractor for the selected route. A flythrough perspective using suitable software(s) shall be developed or further refinement of the selected route. If required site visit and field verification shall be conducted by the contractor jointly with the owners' representatives for the proposed route alignment

xix. Final digitized route alignment drawing with the latest topographical and other details / features including all river railway lines, canals, roads etc. up to 8 Kms on both side of selected route alignment shall be submitted by the contractors for owner's approval along with report containing other information / details as mentioned above

4.2.1. Evaluation of Alternative Route Alignment for Proposed Distribution Lines

In the instant project also, criteria for route selection as mentioned above, has been duly adhered to. All the DLs, all the routes were studied with consideration of three best alignments as described in the IEAR to avoid anticipated impacts on biodiversity in the area. Three alternative alignments were studied with the help Google Maps and walkover survey to arrive at most optimum route for detailed survey. This was then verified on web-based IBAT Database. The images are Provided in **Annexure 4**. The final route was considered for the further detailed surveys and primary data collection.

Subsequently, the proposed routes of DLs were considered for detail survey by Contractor Agency (after awarding of contract) and environmental consultant. During detailed survey minor alterations as well as geometrical corrections of the route have been carried out which seems inevitable due to actual ground conditions with prime objective of avoiding dense forest/private plantation areas, settlements, CPR, and also considering the technical feasibility of the route from O&M point of view in consultation with the local prevalent in the project area. Therefore, minor change in scope of work has been observed with respect to IEAR scope which resulted due to the best effort of IA/TSECL in effectively integrating safeguard and engineering measures in successful minimization of environmental and social impacts. The changes are discussed in **Section 4.2.3**. Earlier as identified in IEAR there was forest are of 22.5 Ha involvement only in 33 kV DL from 33/11 kV Chitamara S/S (New) to 33/11kV Garjee S/S (New) and the same was passing through core of Trishna WLS. However, after meticulous exercise and realignment no forest is involved now in this line. The other three lines which were not involving forest area as per earlier IEAR, now involves forest area due to realignment. The description is as below;

Table 4-1 Distribution Lines

Sr. No.	Distribution Line / Substation	Forest Area in Ha	PA Impacted	MoEFCC Clearance Status

Distribution Lines				
1	33 kV Line from 33/11 KV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing)	2.67 Ha UGF	No	➢ Earlier there was no forest was involved in this DL. Due to diversion of line route for some forest stretches were unavoidable.
2	33 kV Line from 33/11 kV Moharipur S/S (New) to LILO of Jolaibari-Bagafa	18.19 Ha UGF and RF	No	➢ Earlier there was no forest was involved in this DL. Due to diversion of line route for some forest stretches were unavoidable.
3	33 kV Line from 33/11 KV Taidu S/S (New) to 33/11kV Teliamura S/S (Existing)	5.1 Ha of RF	No	➢ Earlier there was no forest was involved in this DL. Due to diversion of line route for NH expansion some forest stretches were unavoidable.
4	33 kV DL from 33/11 kV Chitamara S/S (New) to 33/11kV Garjee S/S (New)	--	No	➢ Earlier there was forest area of 22.5 Ha of RF involved in the DL. However due to realignment study no forest is involved in the ROW in the current scenario.

The evaluation of alternative route alignment is carried out for 33 kV line from 33/11 kV Dhalak (New) - 132/33 kV Amarpur (New) substation, 33 kV line from 132/33 kV Amarpur (New) - 33/11 kV Checua (New) substation, 33 kV line from 33/11 kV Taidu (New) - 33/11 kV Checua (New) substation, 33 kV line from 33/11 kV Taidu (New) - 33/11 kV Teliamura (Existing) substation, 33 kV line from 33/11 kV Maharani (New) - 33/11 kV Garjee (New) substation, 33 kV line from 33/11 kV Garjee (New) - 33/11 kV Chitamara (New) substation, 33 kV line from 33/11 kV Ekinpur (New) - 33/11 kV Rajnagar (Existing) substation, 33 kV linefrom 33/11 kV Srinagar (New) - 33/11 kV Manughat (New) substation, 33 kV line from 33/11kV Srinagar (New) – 132/33 kV Satchand (New) substation, 33 kV Line from 33/11 kV SrinagarS/S (New) to Tapping point of Belonia- Hryshumukh Line and 33 kV Line from 33/11 kV Rupaichari S/S (New) to 132/33kV Sabroom S/S (new). **The Maps are shown in Annexure 5.**

The proposed DLs are not passing through any PA like NP, WLS, IBAs, conservation reserves, community reserves and biosphere reserves, etc., as all such areas have been completely avoided through alternative alignment analysis and meticulous route selection. In the instant scheme one of the lines i.e., Garjee - Chittamara 33 kV DL which was earlier passing through core area of Trishna WLS has been realigned at a distance of 0.1 km from the core boundary to avoid any impact on wildlife. 33 kV Rajnagar-Ekinpur DL alignment is passing at a distance of 0.150 km away from the Trishna WLS core boundary. 33 kV Jatanbari Dalak DL is at 7.10 km from Gumti WLS boundary and 10.12 km from Gumti Wetland. **The Maps are shown in Annexure 3**. As confirmed by Wildlife Warden of Trishna Sanctuary Bison migration/ movement is confined to Trishna core which is quite far from proposed route alignment of 33 kV Rajnagar-Ekinpur line and 33 kV Garjee - Chitamara line and no Bison has ever been reported from project area. The consolidated Map of PA with respect to FEAR IV Project is depicted. No ecologically sensitive areas are getting adversely impacted due to project interventions because of DL.

4.2.2. Evaluation of Alternatives for Proposed Substations

For sub-station, site selection analysis of 2-3 alternatives sites is usually carried out based on environment and social aspects and technical requirement. Such analysis considers various site-specific parameters that include availability of infrastructure facilities such as access roads, water, distance from railheads, type of land (Government/ revenue/private land); social impacts such as number of families getting affected; CPR including feasibility of acquisition. It may be noted that in the instant case land for all the proposed substations are already in possession with TSECL except for Amarpur for which land has already been identified for

purchase on willing seller–willing buyer basis and therefore, the said exercise is not required/needed for proposed project.

33 kV Barpathari S/S is falling within core area of Trishna WLS and 0.22 ha forest land utilized for the construction of S/S with prior necessary permissions from MoEFCC and NBWL as stated earlier. 33 kV Ekinpur S/S is having RF of 0.1962 Ha. Hence Forest Clearance is obtained for diversion of land forest land to non-forest land activity. **Please Refer Map placed in Annexure 4 and NoC Obtained in Annexure 6**. Though the part of Trishna WLS, due to sparse vegetation cover its impact on forests and its resources would be insignificant. It is to be noted that existing 33 kV Rajnagar S/S is outside core area of Trishna WLS at distance of 0.01 km. **PleaseRefer Map placed in Annexure 4.** All the precautions are being taken during construction activity as per the EMP and ESPPF and stipulated conditions in the approvals obtained from MoEFCC and NBWL.

4.2.3. Change in Scope of Work w.r.t. IEAR

For changes in scope of work with respect to IEAR scope i.e., changes in the route alignment based upon alternatives studies and detailed ground survey for DL carried out on field is given is **Table 4.2.** It is observed that the length of Project lines is changed during detailed surveys and ground exercise. The change is observed mainly to avoid or minimize forest area to avoid PA core area / habitation and structures.

Table 4-2 Change in Scope of Work w.r.t IEAR

Sr. No.	Details of Power Line / Substation	Change in Length of Power Lines (Km)/ Location of S/S		Reason / Justification for change in scope of work
		As per IEAR	Final Route / Location	
A.	**Distribution Line Network**			
1	33 kV Line from 132/33 kV Amarpur S/S (New) to 33/11 kV Dalak S/S (New)	12.5	14.332	To avoid or minimize forest area To Avoid PA core area / habitation and structures
2	33 kV Line from 33/11 KV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing)	7	7.932	
3	33 kV Line from 132/33 kV Amarpur S/S (New) to 33/11kV Chechua S/S (New)	17	19.765	
4	33 kV Line from 33/11 kV Taidu S/S (New) to 33/11kV Checua S/S (New)	16	16.215	
5	33 kV Line from 33/11 KV Taidu S/S (New) to 33/11kV Teliamura S/S (Existing)	13	13.401	
6	33 kV Line from 33/11 kV Maharani S/S (New) to 33/11kV Garjee S/S (New)	20	20.104	
7	33 kV Line from 33/11 kV Maharani S/S (New) to 132/33kV Udaipur (Banduar) S/S (Existing)	8	6.14	
8	33 kV Line from 33/11 kV Chitamara S/S (New) to 33/11kV Garjee S/S (New)	20	15.9	
9	33 kV Line from 33/11kV Karbook S/S (New) - LILO point of Tirthamukh Silachari Line	1	0.14	
10	33 kV Line from 33/11 kV Chitamara S/S (New) to 132/33kV Belonia S/S (New)	9	9.539	
11	33 kV Line from 33/11kV Barpathari S/S (New) to LILO of Belonia-Rajnagar line	2	9.627	

Sr. No.	Details of Power Line / Substation	Change in Length of Power Lines (Km)/ Location of S/S		Reason / Justification for change in scope of work
		As per IEAR	Final Route / Location	
12	33 kV Line from 33/11 kV Ekinpur S/S (New) to 33/11kV Rajnagar S/S (Existing)	16	15.978	
13	33 kV Line from 33/11 kV Moharipur S/S (New) to LILO of Julaibari- Bagafa line	7	15.683	
14	33 kV Line from 33/11 kV Srinagar S/S (New) to 33/11kV Manughat S/S (New)	19	16.223	
15	33 kV Line from 33/11 kV Srinagar S/S (New) to 132/33kV Satchand S/S (new)	19.3	17.644	
16	33 kV Line from 33/11 kV Srinagar S/S (New) to Tapping point of Belonia- Hryshumukh Line	15	15.329	
17	33 kV Line from 33/11 kV Manughat S/S (new) to 132/33kV Sabroom S/S (new)	9.5	12.825	
18	33kV Line from 33/11 kV Rupaichari S/S (New) to 132/33kV Sabroom S/S (new)	15	14.578	
19	33kV Line from Rupaichari 33/11 kV S/S(new) to 132/33kV Satchand S/S (new)	6	6.913	
B.	**Substations**			
1	Establishment of 2x50 MVA, 132/33 kV new substation at Amarpur	TSECL Own Land. TSECL Purchased on willing seller–willing buyer basis		
2	Establishment of 2x5 MVA, 33/11 kV new substation at Dalak (Chelagang)	Unchanged. TSECL Own Land		
3	Establishment of 2x5 MVA, 33/11 kV new substation at Checua.	Unchanged. TSECL Own Land		
4	Establishment of 2x5 MVA, 33/11 kV new substation at Taidu	Land valuation assessment done by revenue authority which is presently under progress.		
5	Establishment of 2x5 MVA, 33/11 kV new substation at Maharani	Unchanged. TSECL Own Land		
6	Establishment of 2x5 MVA, 33/11 kV new substation at Garjee	Unchanged. TSECL Own Land		
7	Establishment of 2x5 MVA, 33/11 kV new substation at Karbook	Unchanged. TSECL Own Land		
8	Establishment of 2x5 MVA, 33/11 kV new substation at Chittamara	Unchanged. TSECL Own Land		
9	Establishment of 2x5 MVA, 33/11 kV new substation at Barpathari	Trishna WLS land diverted for non-forest activity with prior permission from MOEFCC and NBWL		
10	Establishment of 2x5 MVA, 33/11 kV new substation at Ekinpur	RF land diverted for non-forest activity with prior permission from MOEFCC		
11	Establishment of 2x5 MVA, 33/11 kV new substation at Moharipur	Unchanged. TSECL Own Land		
12	Establishment of 2x5 MVA, 33/11 k new substation at Srinagar	Unchanged. TSECL Own Land		
13	Establishment of 2x5 MVA, 33/11 kV new substation at Manughat	TSECL Own Land. TSECL Purchased on willing seller–willing buyer basis		
14	Establishment of 2x5 MVA, 33/11 k new substation at Rupaichari	Unchanged. TSECL Own Land		

4.3.Features and Satellite Images of T&D Lines

4.3.1. Distribution Lines (DLs)

4.3.1.1. Feature Details of Final Route Alignment of 33 kV line from 132/33 kV AmarpurS/S (New) to 33/11 kV Dalak S/S (New)

33 kV line from 132/33 kV Amarpur S/S (New) to 33/11 kV Dalak S/S (New) covers 14.332 km distance. Total 635 Electric Poles (EP) are proposed in this DL. The DL is finalized after detailed analysis considering the environmental features like forest / PA / river etc. The featuresurvey along the DL is carried out considering 15 mt ROW width i.e., 7.5 mt on either side fromcenter line of the corridor. Geomorphological studies observed that the geology of project areais majorly having rock structure of moderate Valley Fill, moderately dissected structural hills. Rock type comprises of alternating beds of alluvium sand and silt and conglomerate of sandstone and pebble bed.

Major part of the DL passes through plain Metal Road (34.89%), Tree crops and Groves (14.57%), open forest (4.43%) and rubber plantation (15.26%). The DL does not cross any National Highway, Railway and Power line. Other than agriculture, this line traverses through pond / lake, Bricks Road, Vacant land, Waste Land, etc. The DL route do not involve notified forest land hence do not required forest clearance under Forest (Conservation) Act, 1980. All PA like NP, WLS and designated wildlife / elephant passage have been completely avoided. The landslide study during electric line feature survey and GIS mapping, reveals that the project region is low to moderate vulnerable to landslide hazard. The project area is low vulnerable to flood. The type of hazard for the project site is recorded as earthquake, windstorm, landslide and low Flood.

As per detailed surveys and GIS imagery data ROW is crossing water bodies such as river, pond, drain & nala. DL is crossing Gomati River between EP 107 and 108 and Mailak Chhara which is Tributary of Gomati River between EP 153 and 154. EP constructed well above the ground level at required elevation to keep the people and animals away from EMF contact. It also prevents the structure getting damaged during flood situation. All the tower locations are easily accessible through existing road to carryout construction and maintenance activity and construction of new approach road is not required. However, at Dalak 33 kV S/S strengthening of approach road is required.

GIS route survey map and DL feature details are provided in **Annexure A1 & B1.** The major feature details are depicted in **Table 4-3**. The Google earth image of DL is provided in the **Fig 20.**

Table 4-3: 33 kV line from 132/33 kV Amarpur S/S (New) to 33/11 kV Dalak S/S (New)
Electric Line Feature Details - 15m ROW

Feature Class	Area In Ha.	% of Area
Agriculture Land	1.35	5.85%
Bricks Road	0.15	0.66%
Bridge	0.03	0.12%
Drain/Nala	0.03	0.11%
Electric Substation	1.62	7.02%
Metal Road	8.06	34.89%

Feature Class	Area In Ha.	% of Area
Mud Road	0.12	0.51%
Open Forest	1.02	4.43%
Pond/Lake	0.11	0.49%
River	0.09	0.39%
Rubber Plantation	3.52	15.26%
Tree Crops and Groves	3.36	14.57%
Vacant Land	2.16	9.35%
Waste Land	1.46	6.34%
Total	**23.09**	**100.00**

Photographs of the line location are given below:

Figure 20 Line Locations Images

DL is crossing Gomati River between EP 107 and 108

DL is crossing Mailak Chhara (Tributary of Gomati River) between EP 153 and 154

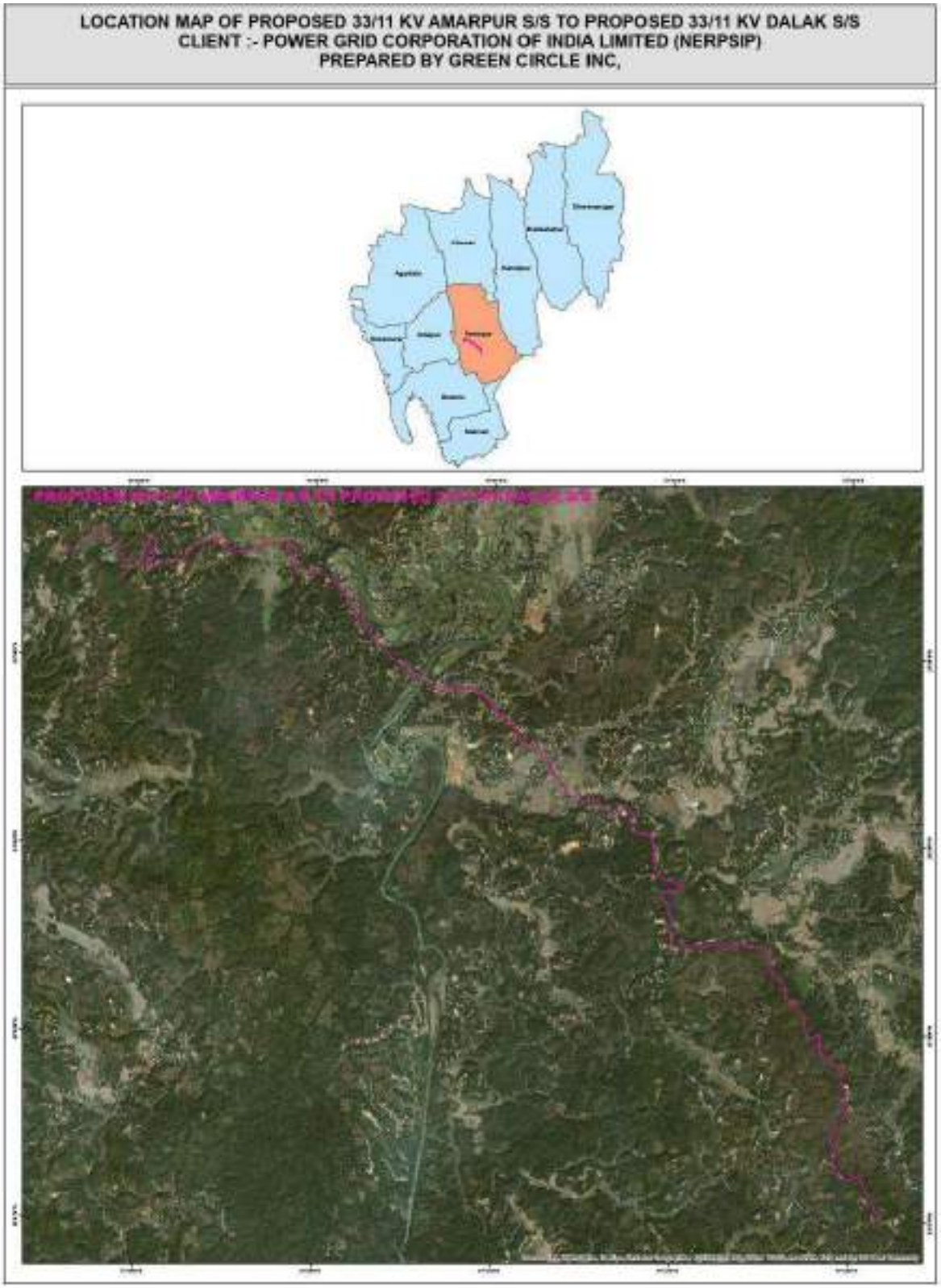
DL Route – Pole Location on Bridge

DL Route – Pole Location Along Metal Road

DL Route - Pole Location Along Metal Road

DL Route - Pole Location/Market Area

Figure 21 Google Earth Alignment Map for 33 kV line from 132/33 kV Amarpur S/S (New) to 33/11 kVDalak S/S (New)



4.3.1.1 Feature Details of Final Route Alignment of 33 kV line from 33/11kV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing)

33 kV line from 33/11 kV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing) covers 7.932 km distance. Total 324 Electric Poles (EP) are proposed in this DL. The DL is finalized after detailed analysis considering the environmental features like forest / PA / river etc. The feature survey along the DL is carried out considering 15 mt ROW width i.e., 7.5 mt on either side from center line of the corridor. Geomorphological studies observed that the geology of project area is majorly having rock structure of moderate Valley Fill, moderately and highly dissected structural hills. Rock type in the alignment comprises of shale with sandstone and limestone bands, alternating beds of alluvium sand and silt and conglomerate of sandstone and pebble bed.

Major part of the DL passes through plain Metal Road (37%), Tree crops and Groves (9.80%), vacant land (10.27%), waste land (10.83%) and rubber plantation and orchards (16.32%). The DL does not cross any National Highway, Railway and Power line. Other than agriculture, this line traverses through pond / lake, Bricks Road, brick kilns / Quarry, Barren / Rocky with scrub land etc. The DL route involves notified forest land hence made it mandatory to obtain forest clearance under Forest (Conservation) Act, 1980. Accordingly, Stage-I forest clearance is obtained on 17.06.2021. **Please Refer Annexure 6**. Besides this, all PA like NP, WLS and designated wildlife / elephant passage have been completely avoided. The landslide study during electric line feature survey and GIS mapping, reveals that the project region is low to moderate vulnerable to landslide hazard. The project area is low to moderate vulnerable to flood. The type of hazard for the project site is recorded as earthquake, windstorm, landslide and low Flood.

As per detailed surveys and GIS imagery data ROW is crossing water bodies such as river, pond, drain & nala. DL is crossing Gomati River between EP 61 and 62. EP constructed well above the ground level at required elevation to keep the people and animals away from EMF contact. It also prevents the structure getting damaged during flood situation. All the tower locations are easily accessible through existing road to carryout construction and maintenance activity and construction of new approach road is not required. However, at Dalak 33 kV S/S strengthening of approach road is required.

GIS route survey map and DL feature details are provided in **Annexure A2 & B2.** The major feature details are depicted in **Table 4.4**. The Google earth image of DL is provided in the **Fig 22.**

Table 4-4: 33 kV line from 33/11 kV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing)
Electric Line Feature Details - 15m ROW

Feature Class	Area In Ha.	% of Area
Agriculture Land	0.92	7.72%
Barren/Rocky with Scrub Land	0.13	1.06%
Brick kilns/Quarry	0.36	3.02%
Bricks Road	0.02	0.20%
Bridge	0.08	0.67%
Drain	0.02	0.20%
Metal Road	4.41	37.07%
Mud Road	0.08	0.68%

Feature Class	Area In Ha.	% of Area
Pond/Lake	0.23	1.95%
River	0.03	0.22%
Rubber Plantation/Orchards	1.94	16.32%
Tree Crops and Groves	1.17	9.80%
Vacant Land	1.22	10.27%
Waste Land	1.29	10.83%
Total	**11.90**	**100.00**

Photographs of the line location are given below:

Figure 22 Photographs of Line Location

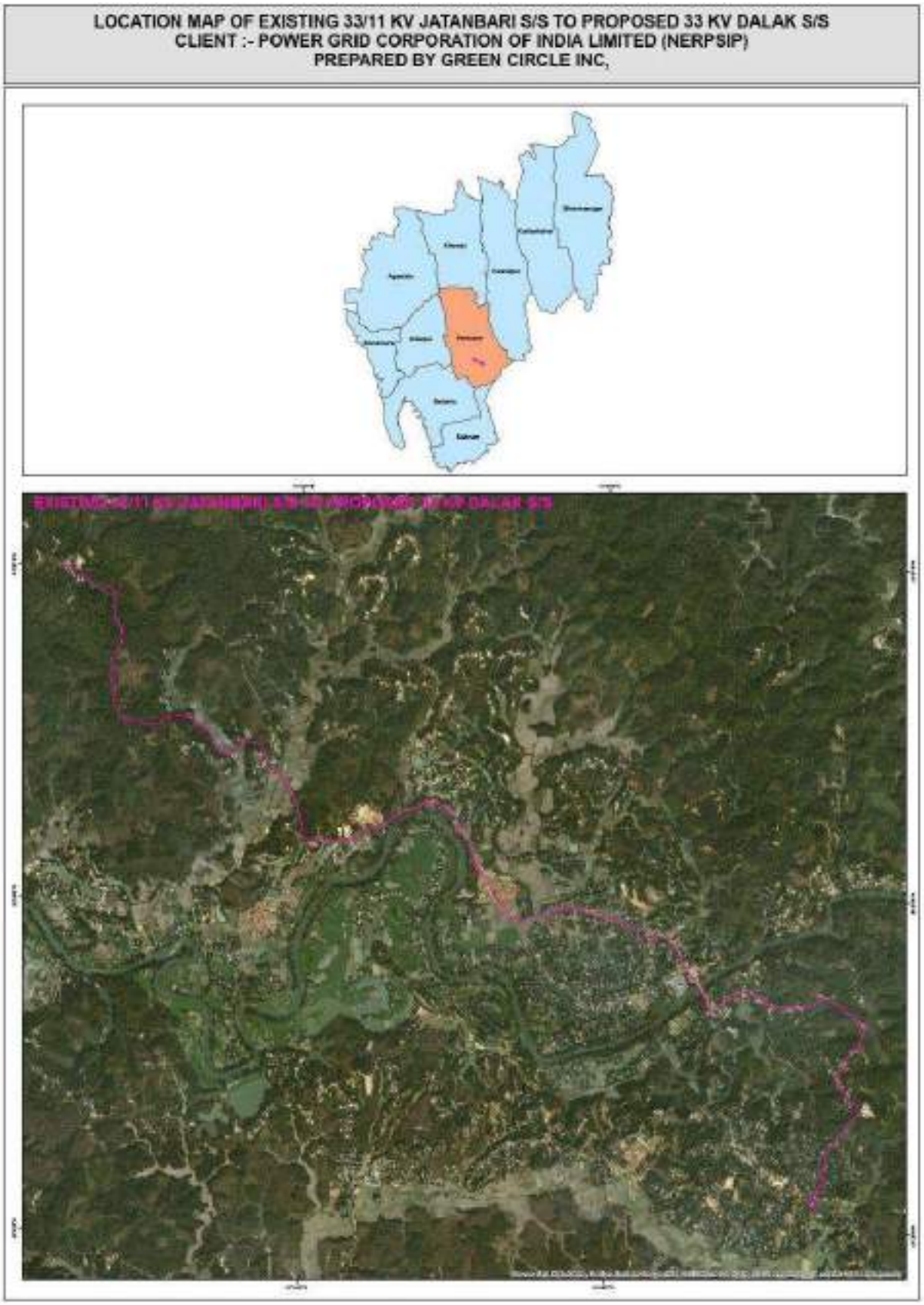
DL is crossing Gomati River between EP 61 and 62

DL Route – Pole Location in Tree / Crops (Left) and Metal Road (Right)

DL Route – Road Side Pole Location

DL Route – Pole Location in Agriculture (Left) and Market Area (Right)

Figure 23 Google Earth Alignment Map for 33/11 kV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing)



4.3.1.2 Feature Details of Final Route Alignment of 33 kV line from 132/33kV Amarpur S/S (New) to 33/11 kV Chechua S/S (New)

33 kV line from 132/33 kV Amarpur S/S (New) to 33/11 kV Chechua S/S (New) covers 19.765 km distance. Total 806 Electric Poles (EP) are proposed in this DL. The DL is finalized after detailed analysis considering the environmental features like forest / PA / river etc. The feature survey along the DL is carried out considering 15 mt ROW width i.e., 7.5 mt on either side from center line of the corridor. Geomorphological studies observed that the geology of project area is majorly having rock structure of moderate Valley Fill, moderately dissected structural hills. Rock type in the alignment comprises of alternating beds of alluvium sand and silt and conglomerate of sandstone and pebble bed.

Major part of the DL passes through plain Metal Road (35.73%), Tree crops and Groves (12.43%), vacant land (10.37%), Agriculture Land (8.82%) and rubber plantation (16.03%). The DL does not cross any National Highway, Railway and Power line. Other than agriculture, this line traverses through pond / lake, Bricks Road, brick kilns / Quarry, Barren / Rocky with scrub land, vacant land etc. The DL route do not involve notified forest land which do not require to obtain forest clearance under Forest (Conservation) Act, 1980. All PA like NP, WLS and designated wildlife / elephant passage have been completely avoided. The landslide study during electric line feature survey and GIS mapping, reveals that the project region is low to vulnerable to landslide hazard. The project area is none to moderate vulnerable to flood. The type of hazard for the project site is recorded as earthquake, windstorm, low landslide and low Flood.

As per detailed surveys and GIS imagery data ROW is crossing water bodies such as river, pond, drain & nala. DL is crossing Gomati River between EP 134 and 136. EP constructed well above the ground level at required elevation to keep the people and animals away from EMF contact. It also prevents the structure getting damaged during flood situation. All the tower locations are easily accessible through existing road to carryout construction and maintenance activity and construction of new approach road is not required. However, at Chechua 33 kV S/S strengthening of approach road is required.

GIS route survey map and DL feature details are provided in **Annexure A3 & B3.** The major feature details are depicted in **Table 4.5**. The Google earth image of DL is provided in the **Fig 24.**

Table 4-5: 33 kV line from 132/33 kV Amarpur S/S (New) to 33/11 kV Chechua S/S (New) Electric Line Feature Details - 15m ROW

Feature Class	Area In Ha.	% of Area
Agriculture Land	2.74	8.82%
Barren Rocky with Scrub Land	0.82	2.65%
Brick Road	0.33	1.07%
Bricks Kilns/Quarry	0.38	1.21%
Drain/Nala	0.01	0.05%
Electric Substation	1.72	5.54%
Metal Road	11.09	35.73%
Mud Road	0.15	0.49%
Open Forest	0.34	1.11%
Pond/Lake	0.47	1.51%
River	0.09	0.30%

Feature Class	Area In Ha.	% of Area
Rubber Plantation	4.98	16.03%
Tree Crop and Groves	3.86	12.43%
Vacant Land	3.22	10.37%
Waste Land	0.83	2.68%
Total	**31.04**	**100%**

Photographs of the line location are given below:

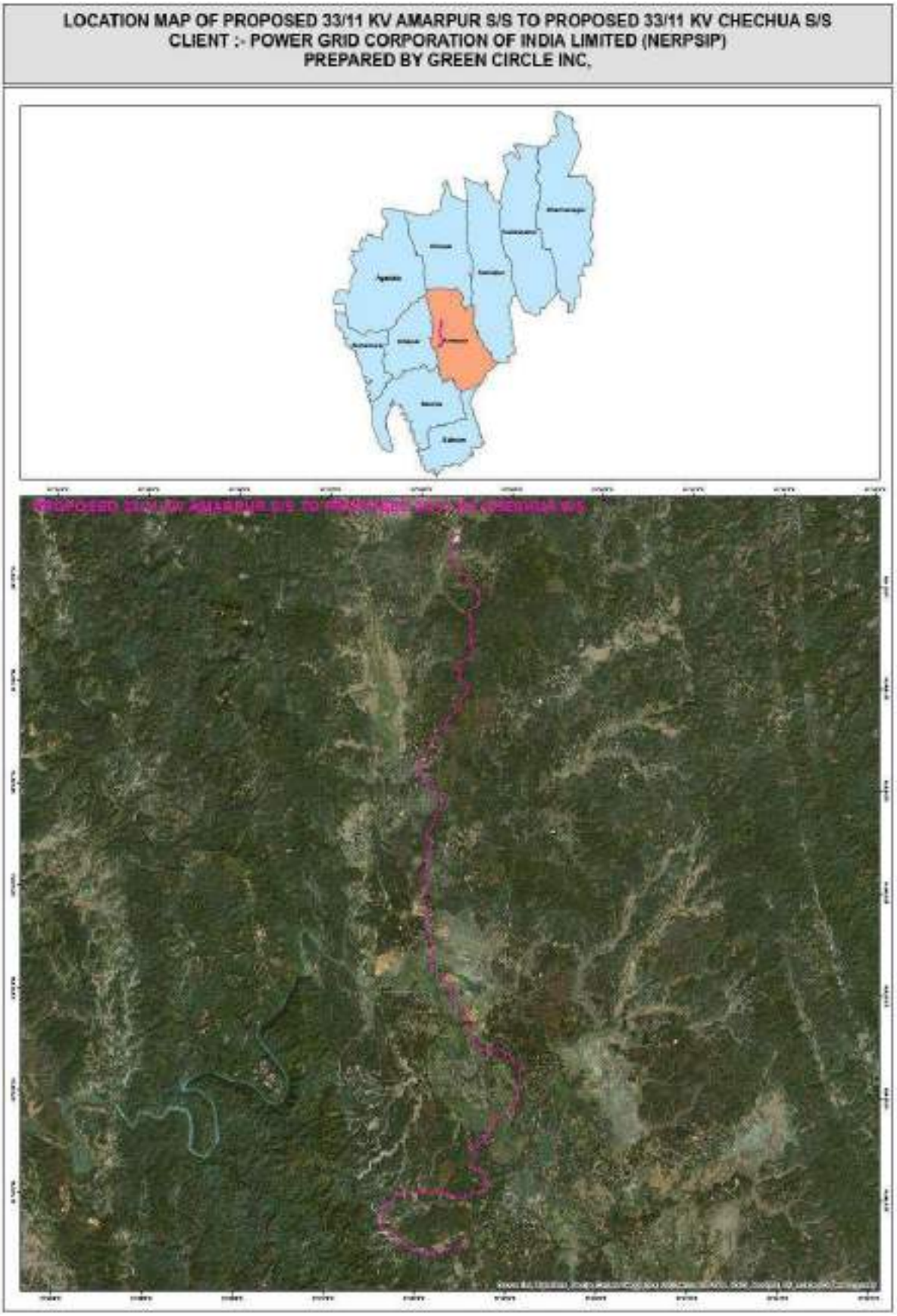
Figure 24 Photographs of line Location

DL is crossing Gomati River between EP 134 and 136

DL Route – Pole Location in Agriculture Land

DL Route – Pole Location Along Metal Road

Figure 25 Google Earth Alignment Map for 33 kV line from 132/33 kV Amarpur S/S (New) to 33/11 kVChechua S/S (New)



4.3.1.3 Feature Details of Final Route Alignment of 33 kV line from 33/11kV Taidu S/S (New) to 33/11 kV Chechua S/S (Existing)

33 kV line from 33/11kV Taidu S/S (New) to 33/11 kV Chechua S/S (Existing) covers 16.215 km distance. Total 815 Electric Poles (EP) are proposed in this DL. The DL is finalized after detailed analysis considering the environmental features like forest / PA / river etc. The feature survey along the DL is carried out considering 15 mt ROW width i.e., 7.5 mt on either side from center line of the corridor. Geomorphological studies observed that the geology of project area is majorly having rock structure of moderate Valley Fill and moderately dissected structural hills. Rock type in the alignment comprises of alternating beds of alluvium sand / silt and clay and conglomerate of sandstone and pebble bed.

Major part of the DL passes through plain Metal Road (32.31%), Tree crops and Groves (9.41%), vacant land (13.51%), waste land (5.41%), Agriculture Land (3.57%) and rubber plantation (21.29%). The DL does not cross any National Highway, Railway and Power line. Other than agriculture, this line traverses through pond / lake, bridge, drain etc. The DL route do not involve notified forest land which do not require to obtain forest clearance under Forest (Conservation) Act, 1980. All PA like NP, WLS and designated wildlife / elephant passage have been completely avoided. The landslide study during electric line feature survey and GIS mapping, reveals that the project region is none to moderate vulnerable to landslide hazard. The project area is none to low vulnerable to flood. The type of hazard for the project site is recorded as earthquake, windstorm and landslide.

As per detailed surveys and GIS imagery data ROW is crossing water bodies such as river, pond, drain & nala. DL is crossing Tuidu River between EP 407 and 408, Gamai Chhara (tributary of Songang River) between EP 199 and 201 and Chechua Chhara / Sona Chhara between EP 20 and 21. EP constructed well above the ground level at required elevation to keep the people and animals away from EMF contact. It also prevents the structure getting damaged during flood situation. All the tower locations are easily accessible through existing road to carryout construction and maintenance activity and construction of new approach road is not required. However, at Chechua 33 kV S/S strengthening of approach road is required.

GIS route survey map and DL feature details are provided in **Annexure A4 & B4.** The major feature details are depicted in **Table 4.6**. The Google earth image of DL is provided in the **Fig 26.**

Table 4-6 Table 4-5: 33 kV line from 33/11kV Taidu S/S (New) to 33/11 kV Chechua S/S (Existing) Electric Line Feature Details - 15m ROW

Feature Class	Area In Ha.	% of Area
Agriculture Land	0.86	3.57%
Brick Road	0.19	0.81%
Bridge	0.18	0.77%
Car Track	0.02	0.08%
Drain/Nala	0.00	0.01%
Electric Substation	0.40	1.69%
Metal Road	7.74	32.31%
Mud Road	0.13	0.52%
Open Forest	2.34	9.77%
Pond/Lake	0.14	0.59%
River	0.06	0.27%

Feature Class	Area In Ha.	% of Area
Rubber Plantation	5.10	21.29%
Tree Crop and Groves	2.25	9.41%
Vacant Land	3.24	13.51%
Waste Land	1.30	5.41%
Total	**23.96**	**100.00%**

Photographs of the line location are given below:

Figure 26 Photographs of line location

DL is crossing Tuidu River between EP 407 and 408

DL is crossing Gamai Chhara (tributary of Songang River) between EP 199 and 201

DL Crossing Chechua Chhara / Sona Chhara between EP 20 and 21

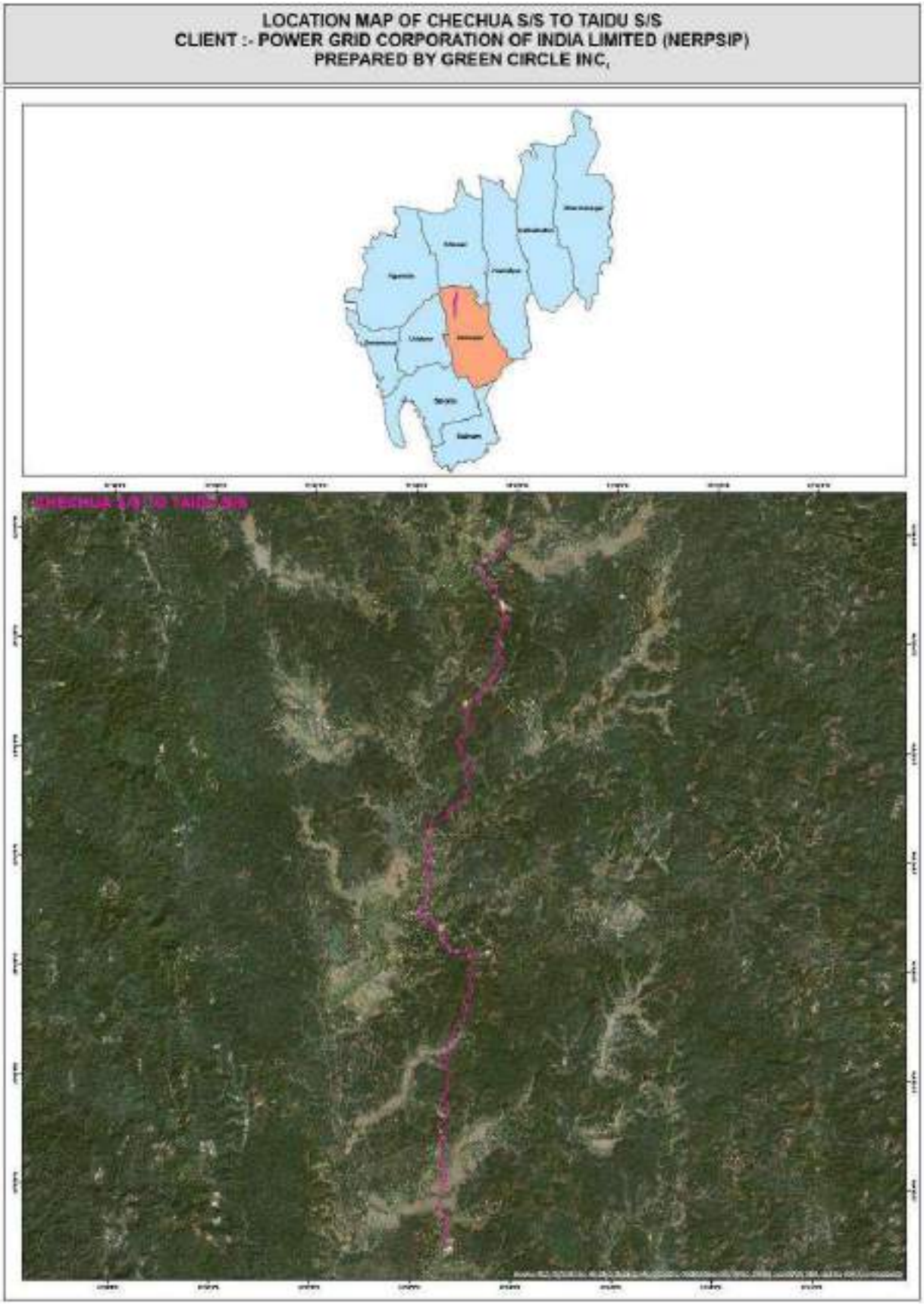
DL Route – Pole Location along Metal Road

DL Route – Pole Location Crossing River

Chechua Electric Substation

DL Route – Pole Location Bridge (left) and Market Area (Right)

Figure 27 Google Earth Alignment Map for 33 kV line from 33/11kV Taidu S/S (New) to 33/11 kV Chechua S/S (Existing)



4.3.1.4 Feature Details of Final Route Alignment of 33 kV line from 33/11kV Taidu S/S (New) to 33/11 kV Telliamura S/S (Existing)

33 kV line from 33/11kV Taidu S/S (New) to 33/11 kV Telliamura S/S (Existing) covers 13.401 km distance. Total 750 Electric Poles (EP) are proposed in this DL. The DL is finalized after detailed analysis considering the environmental features like forest / PA / river etc. The feature survey along the DL is carried out considering 15 mt ROW width i.e., 7.5 mt on either side from center line of the corridor. Geomorphological studies observed that the geology of project area is majorly having rock structure of moderate Valley Fill and moderately dissected structural hills. Rock type in the alignment comprises of alternating beds of alluvium sand / silt and clay and conglomerate of sandstone and pebble bed.

Major part of the DL passes through plain Metal Road (45.76%), Tree crops and Groves (10.55%), vacant land (3.47%), Open Forest (31.29%). The DL does not cross any National Highway, Railway and Power line. Other than agriculture, this line traverses through, bridge, brick road, vacant land, etc. The DL route involves notified forest land of 5.1 Ha which made mandatory to obtain forest clearance under Forest (Conservation) Act, 1980. Accordingly, Stage-I issued on 05.05.2021. **Please refer Annexure 6.** Besides, all PA like NP, WLS and designated wildlife / elephant passage have been completely avoided. The landslide study during electric line feature survey and GIS mapping, reveals that the project region is none to moderate vulnerable to landslide hazard. The project area is not vulnerable to flood. The type of hazard for the project site is recorded as earthquake, windstorm and landslide.

As per detailed surveys and GIS imagery data ROW is not crossing water bodies such as river, pond, canal, drain & nala. EP constructed well above the ground level at required elevation to keep the people and animals away from EMF contact. It also prevents the structure getting damaged during flood situation. All the tower locations are easily accessible through existing road to carryout construction and maintenance activity and construction of new approach road is not required. However, at Taidu 33 kV S/S strengthening of 250 m approach road is required.

GIS route survey map and DL feature details are provided in **Annexure A5 & B5.** The major feature details are depicted in **Table 4.7**. The Google earth image of DL is provided in the **Fig 28.**

Table 4-7: 33 kV line from 33/11kV Taidu S/S (New) to 33/11 kV Teliamura S/S (Existing)
Electric Line Feature Details - 15m ROW

Feature Class	Area In Ha.	% of Area
Agriculture Land	0.17	0.82%
Bricks Road	0.04	0.20%
Electric Substation	1.29	6.21%
Fallow Land	0.17	0.84%
Metal Road	9.48	45.76%
Mud Road	0.06	0.31%
Open Forest	6.48	31.29%
Rubber Plantation	0.08	0.39%
Tree Crops and Groves	2.18	10.55%
Tree Plantation	0.03	0.16%
Vacant Land	0.72	3.47%
Total	**20.71**	**100%**

Photographs of the line location are given below:

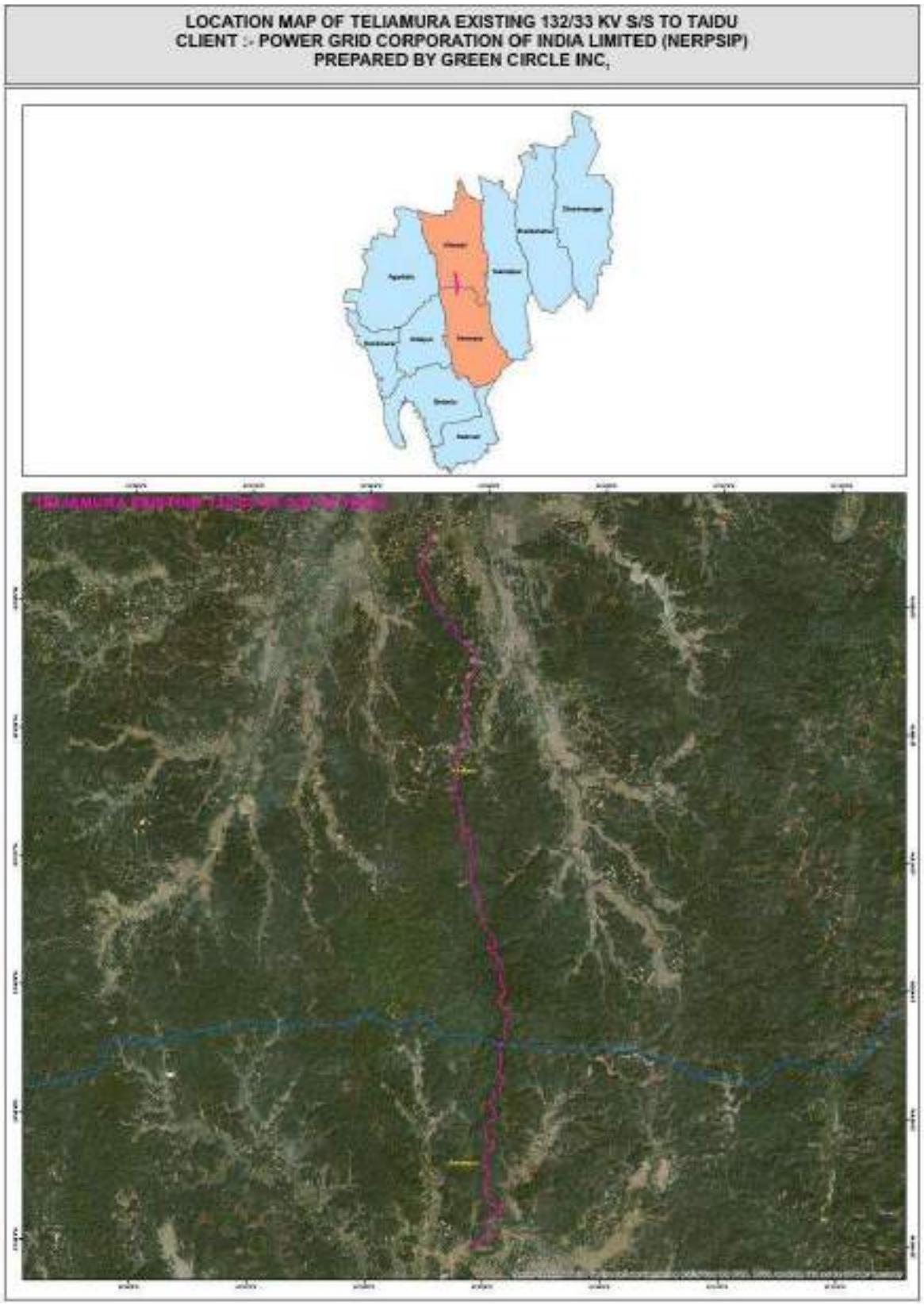
Figure 28 Photographs of line location

Teliamura 33 kV Electric Substation

DL Route – Pole Location in Marke t Area (Left) and Metal Road (Right)

DL Route – Pole Location at Bridge Crossing (Left) and Agriculture Land (Right)

Figure 29 Google Earth Alignment Map for 33 kV line from 33/11kV Taidu S/S (New) to 33/11 kV Teliamura S/S (Existing)



*Blue Color Indicate: State/National line crossing

4.3.1.5 Feature Details of Final Route Alignment of 33 kV line from 33/11kV Maharani S/S (New) to 33/11 kV Garjee S/S (New)

33 kV line from 33/11kV Maharani S/S (New) to 33/11 kV Garjee S/S (New) covers 20.104 km distance. Total 549 Electric Poles (EP) are proposed in this DL. The DL is finalized after detailed analysis considering the environmental features like forest / PA / river etc. The feature survey along the DL is carried out considering 15 mt ROW width i.e., 7.5 mt on either side from center line of the corridor. Geomorphological studies observed that the geology of project area is majorly having rock structure of shallow younger alluvial, moderately dissected structural hills. Rock type comprises of shaly sandstone and conglomerate of sandstone and pebble bed.

Major part of the DL passes through plain Metal Road (41.86%), road side fallow land (10.94%), Tree crops and Groves (3.43%), Vacant Land (16.33%) and rubber plantation (15.97%). The DL does not cross any National Highway, Railway and Power line. Other than agriculture, this line traverses through pond / lake, river, Bricks Road, bridge, mud road, etc. The DL route do not involve notified forest land hence do not required forest clearance under Forest (Conservation) Act, 1980. All PA like NP, WLS and designated wildlife / elephant passage have been completely avoided. The landslide study during electric line feature survey and GIS mapping, reveals that the project region is none to very low vulnerable to landslide hazard. The project area is none to high flood prone. The type of hazard for the project site is recorded as earthquake, windstorm and Flood.

As per detailed surveys and GIS imagery data ROW is crossing water bodies such as river, pond, canal, drain & nala. DL is crossing Chowmohoni Canal between EP 207 and 208. EP constructed well above the ground level at required elevation to keep the people and animals away from EMF contact. It also prevents the structure getting damaged during flood situation. All the tower locations are easily accessible through existing road to carryout construction and maintenance activity and construction of new approach road is not required.

GIS route survey map and DL feature details are provided in **Annexure A6 & B6.** The major feature details are depicted in **Table 4.8**. The Google earth image of DL is provided in the **Fig 30.**

Table 4-8: 33 kV line from 33/11kV Maharani S/S (New) to 33/11 kV Garjee S/S (New)
Electric Line Feature Details - 15m ROW

Feature Class	Area In Ha.	% of Area
Agriculture Land	0.80	3.60%
Bricks Road	0.03	0.13%
Bridge	0.02	0.09%
Canal	0.02	0.09%
Drain/Nala	0.06	0.27%
Electric Substation	0.28	1.27%
Metal Road	9.28	41.86%
Mud Road	0.11	0.51%
Park	0.09	0.41%
Pond/Lake	0.35	1.59%
River	0.02	0.08%
Road Side Fallow Land	2.43	10.94%
Rubber Plantation	3.54	15.97%
Tree Crop and Groves	0.76	3.43%
Vacant Land	3.62	16.33%

Feature Class	Area In Ha.	% of Area
Waste Land	0.76	3.41%
Total	22.18	100.00%

Photographs of the line location are given below:

Figure 30 Photographs of Line Location

DL is crossing Chowmohoni Canal between EP 207 and 208

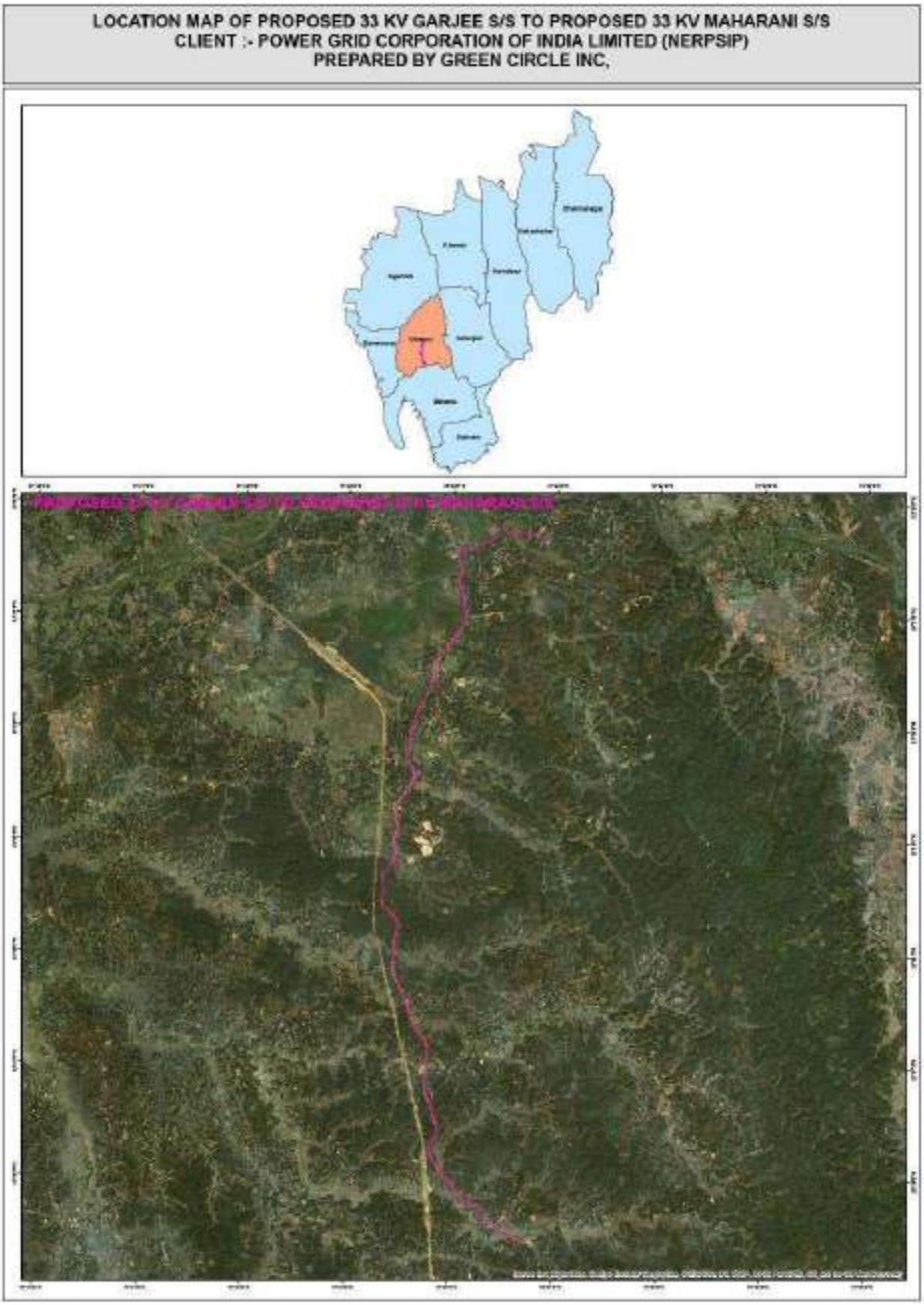
DL Route – Pole Location along Metal Road

DL Route – Pole Location along Metal Road (Left) and Tree Crops (Right)

DL Route – Pole Location along Market Area (Left) and Ponds / Lakes (Right)

DL Route – Pole Location along Mud Road (Left) and Ponds / Lakes (Right)

Figure 31 Google Earth Alignment Map for 33 kV line from 33/11kV Maharani S/S (New) to 33/11 kV Garjee S/S (New)



4.3.1.6 Feature Details of Final Route Alignment of 33 kV line from 33/11kV Maharani S/S (New) to 132/33 kV Udaipur (Banduar) S/S (Existing)

33 kV line from 33/11kV Maharani S/S (New) to 132/33 kV Udaipur (Banduar) S/S (Existing) covers 6.14 km distance. Total 336 Electric Poles (EP) are proposed in this DL. The DL is finalized after detailed analysis considering the environmental features like forest / PA / river etc. The feature survey along the DL is carried out considering 15 mt ROW width i.e., 7.5 mt on either side from center line of the corridor. Geomorphological studies observed that thegeology of project area is majorly having rock structure of point bar and highly dissected structural hills. Rock type comprises of shale with sandstone and limestone bands, alternatingbeds of Alluvium-sand/ silt and clay bed.

Major part of the DL passes through plain Metal Road (32.99%), road side fallow land (10.94%), Tree crops and Groves (5.27%), Vacant Land (17.09%), Barren Rocky Scrub land (13.23%) and rubber plantation (2.04%), Agriculture Land (8.66%). The DL does not cross any National Highway, Railway and Power line. Other than agriculture, this line traverses through pond / lake, river, Bricks Road, bridge, mud road, waste land etc. The DL route do not involve notified forest land hence do not required forest clearance under Forest (Conservation) Act, 1980. All PA like NP, WLS and designated wildlife / elephant passage have been completely avoided. The landslide study during electric line feature survey and GIS mapping, reveals that the project region is none to very low vulnerable to landslide hazard. The project area is none to high flood prone. The type of hazard for the project site is recorded as earthquake, windstorm, low landslide and high flood.

As per detailed surveys and GIS imagery data ROW is crossing water bodies such as river, pond, canal, drain & nala. DL is crossing Canal between EP 82 and 83. EP constructed well above the ground level at required elevation to keep the people and animals away from EMF contact. It also prevents the structure getting damaged during flood situation. All the tower locations are easily accessible through existing road to carryout construction and maintenance activity and construction of new approach road is not required.

GIS route survey map and DL feature details are provided in **Annexure A7 & B7.** The major feature details are depicted in **Table 4.9**. The Google earth image of DL is provided in the **Fig 32.**

Table 4-9: 33 kV line from 33/11kV Maharani S/S (New) to 132/33 kV Udaipur (Banduar) S/S (Existing) Electric Line Feature Details - 15m ROW

Feature Class	Area In Ha.	% of Area
Agriculture Land	0.90	8.66%
Barren/Rocky with Scrub Land	1.38	13.23%
Bricks Road	0.01	0.14%
Bridge	0.01	0.13%
Canal	0.03	0.33%
Drain/Nala	0.01	0.05%
Electric Substation	1.43	13.66%
Metal Road	3.44	32.99%
Mud Road	0.08	0.73%
Pond/Lake	0.24	2.26%
Rubber Plantation	0.21	2.04%

Feature Class	Area In Ha.	% of Area
Tree Crops and Groves	0.55	5.27%
Vacant Land	1.78	17.09%
Waste Land	0.36	3.42%
Total	**10.44**	**100.00%**

Photographs of the line location are given below:

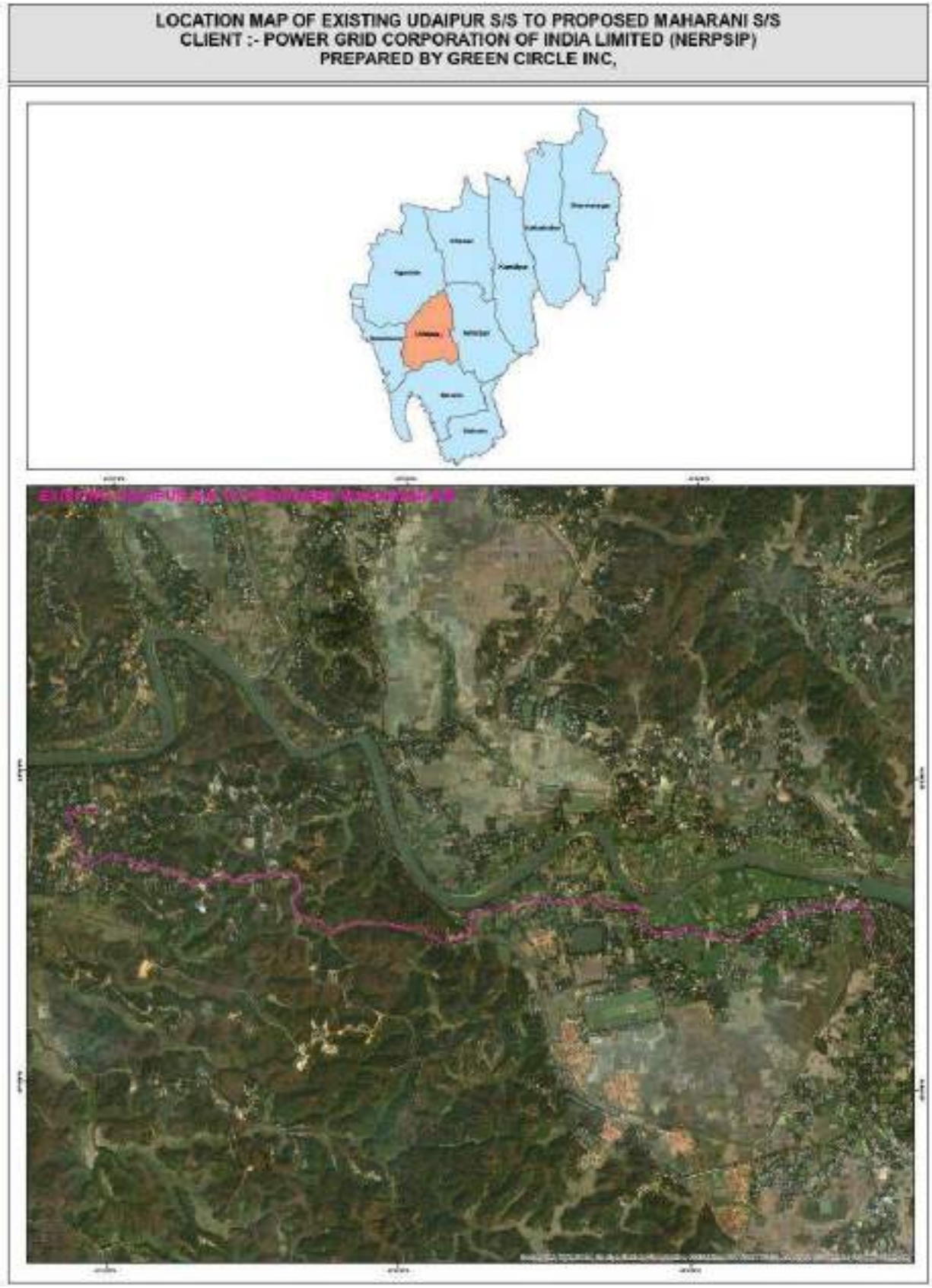
Figure 32 Photographs of line Location

DL is crossing Canal between EP 82 and 83

33 kV Maharani Electric - Substation Construction Site

DL Route – Pole Location along Lakes/Ponds

Figure 33 Google Earth Alignment Map for 33 kV line from 33/11kV Maharani S/S (New) to 132/33 kV Udaipur (Banduar) S/S (Existing)



4.3.1.7 Feature Details of Final Route Alignment of 33 kV line from 33/11kV Chitamara S/S (New) to 132/33 kV Garjee S/S (New)

33 kV line from 33/11kV Chitamara S/S (New) to 132/33 kV Garjee S/S (New) covers 15.9 km distance. Total 578 Electric Poles (EP) are proposed in this DL. The DL is finalized after detailed analysis considering the environmental features like forest / PA / river etc. The feature survey along the DL is carried out considering 15 mt ROW width i.e., 7.5 mt on either side from center line of the corridor. Geomorphological studies observed that the geology of project area is majorly having rock structure of shallow younger alluvial, shallow valley fill and moderately dissected structural hills. Rock type comprises of shaly sandstone / shale with sandstone and limestone bands, alternating beds of Alluvium-sand/ silt and clay bed.

Major part of the DL passes through plain Metal Road (41.63%), road side fallow land (10.94%), Tree crops and Groves (4.05%), Vacant Land (9.25%), Waste land (7%), Barren Rocky Scrub land (3.60%) and rubber plantation (18.73%), Agriculture Land (7.65%). The DL does not cross any National Highway and Power line. However, crosses railway line. Other than agriculture, this line traverses through pond / lake, river, Bricks Road, bridge, mud road, waste land etc. The DL route do not involve notified forest land hence do not required forest clearance under Forest (Conservation) Act, 1980. All PA like NP, WLS and designated wildlife / elephant passage have been completely avoided. The landslide study during electric line feature survey and GIS mapping, reveals that the project region is none to low vulnerable to landslide hazard. The project area is none to low flood prone. The type of hazard for the project site is recorded as earthquake, windstorm, low landslide and low flood.

As per detailed surveys and GIS imagery data ROW is crossing water bodies such as river, pond. EP constructed well above the ground level at required elevation to keep the people and animals away from EMF contact. It also prevents the structure getting damaged during flood situation. All the tower locations are easily accessible through existing road to carryout construction and maintenance activity and construction of new approach road is not required. However, at Chittmara 33 kV S/S strengthening of approach road is required.

GIS route survey map and DL feature details are provided in **Annexure A8 & B8.** The major feature details are depicted in **Table 4.10**. The Google earth image of DL is provided in the **Fig 34.**

Table 4-10: 33 kV line from 33/11kV Chitamara S/S (New) to 132/33 kV Garjee S/S (New)
Electric Line Feature Details - 15m ROW

Feature Class	Area In Ha.	% of Area
Agriculture Land	2.30	7.65%
Barren/Rock with Scrub Land	1.08	3.60%
Brick Road	0.05	0.15%
Bridge	0.07	0.24%
Electric substation	0.88	2.92%
Fallow Land	0.65	2.15%
Metal Road	12.51	41.63%
Mud Road	0.25	0.83%
Pond/Lake	0.41	1.38%
Railway	0.06	0.20%
River	0.07	0.22%
Rubber Plantation/Orchards	5.63	18.73%

Feature Class	Area In Ha.	% of Area
Tree Crop and Groves	1.22	4.05%
Vacant Land	2.78	9.25%
Waste Land	2.10	7.00%
Total	**30.06**	**100.00%**

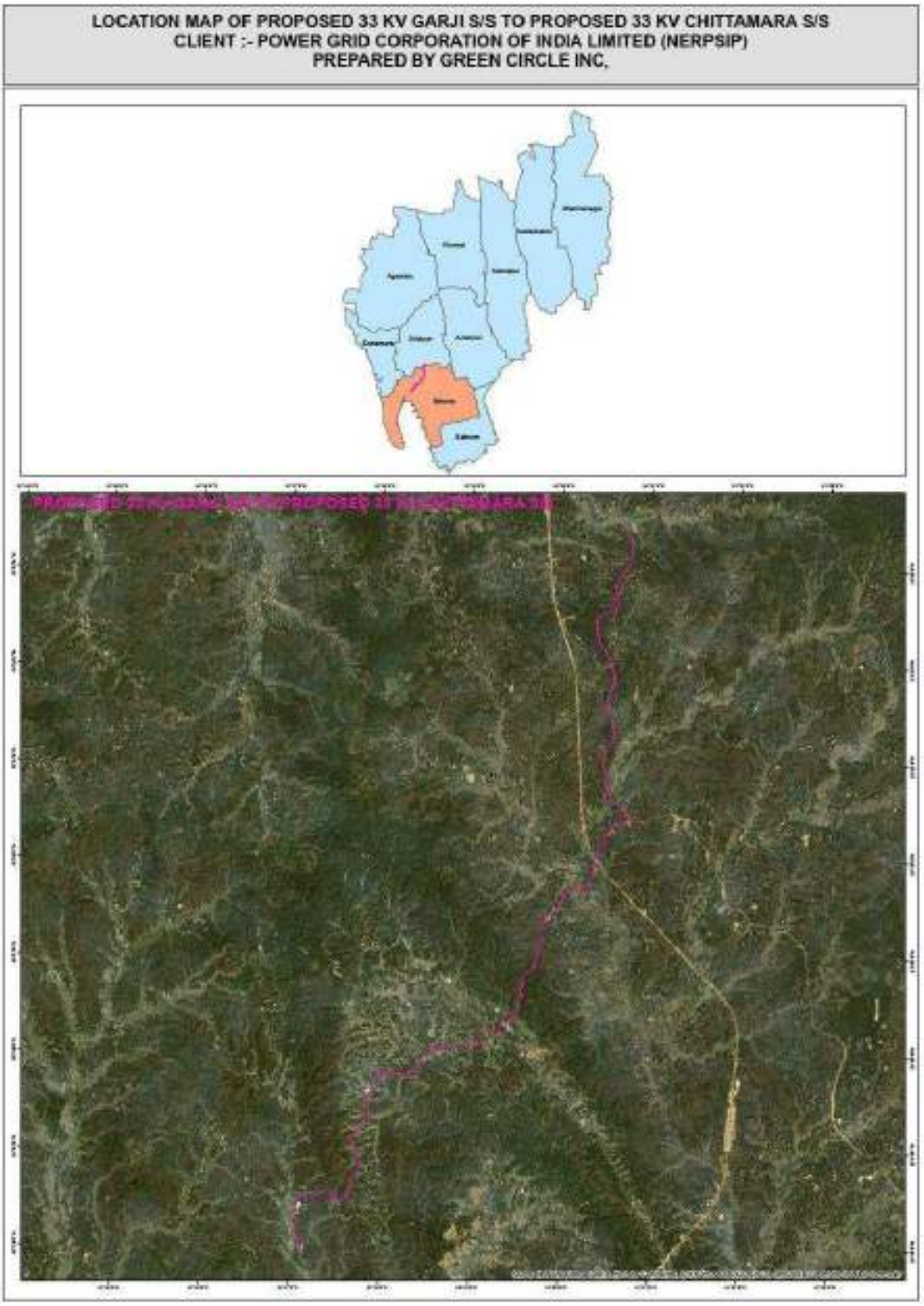
Photographs of the line location are given below:

Figure 34 Photographs of line Location

DL Route – Pole Location in Market Area (Left) and Pond / Lakes (Right)

DL Route – Pole Location in Agriculture Land

Figure 35 Google Earth Alignment Map for 33 kV line from 33/11kV Chitamara S/S (New) to 132/33 kVGarjee S/S (New)



4.3.1.8 Feature Details of Final Route Alignment of 33 kV line from 33/11kV Karbook S/S (New)–LILO point of Tirthamukh Silachari Line

33 kV line from 33/11kV Karbook S/S (New)–LILO point of Tirthamukh Silachari Line covers 0.14 km distance. Total 13 Electric Poles (EP) are proposed in this DL. The DL is finalized after detailed analysis considering the environmental features like forest / PA / river etc. The feature survey along the DL is carried out considering 15 mt ROW width i.e., 7.5 mt on either side from center line of the corridor. Geomorphological studies observed that the geology of project area is majorly having rock moderately dissected structural hills. Rock type comprises of conglomerate of sandstone and pebble bed.

Major part of the DL passes through plain Vacant Land (6.79%), Food Godown (46.48%). The DL does not cross any National Highway and Power line. Other than agriculture, this line traverses through pond / lake, river, Bricks Road, bridge, mud road, waste land etc. The DL route do not involve notified forest land hence do not required forest clearance under Forest (Conservation) Act, 1980. All PA like NP, WLS and designated wildlife / elephant passage have been completely avoided. The landslide study during electric line feature survey and GIS mapping, reveals that the project region is low vulnerable to landslide hazard. The project area is none to flood prone. The type of hazard for the project site is recorded as earthquake, windstorm, low landslide.

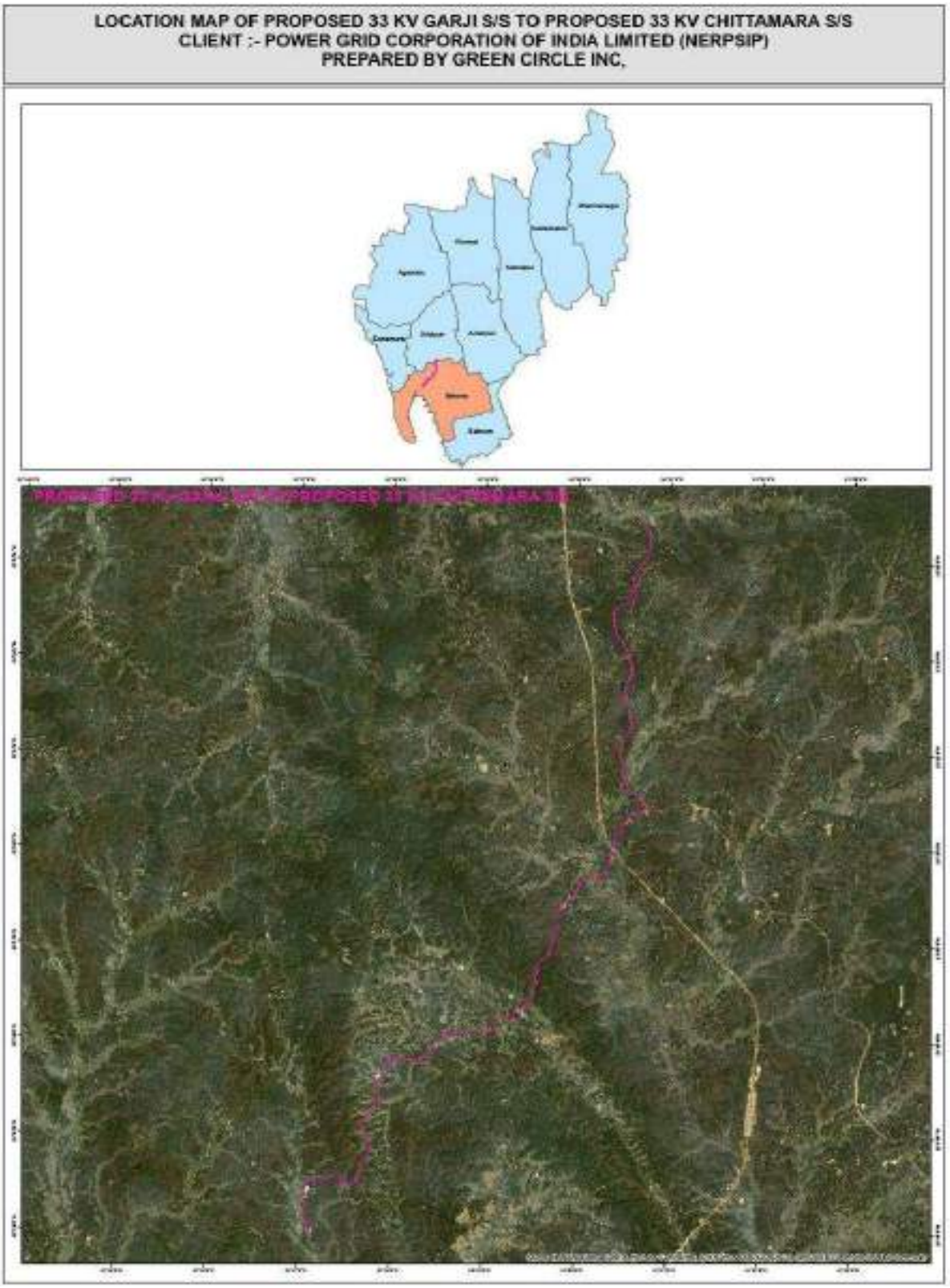
As per detailed surveys and GIS imagery data ROW is not crossing water bodies such as river, pond. EP constructed well above the ground level at required elevation to keep the people and animals away from EMF contact. It also prevents the structure getting damaged during flood situation. All the tower locations are easily accessible through existing road to carryout construction and maintenance activity and construction of new approach road is not required..

GIS route survey map and DL feature details are provided in **Annexure A9 & B9.** The major feature details are depicted in **Table 4.11**.

Table 4-11: 33 kV line from 33/11kV Karbook S/S (New)–LILO point of Tirthamukh Silachari Electric Line Feature Details - 15m ROW

Feature Class	Area In Ha.	% of Area
Vacant Land	0.13	6.79%
Food Godown	0.89	46.48%
Electric Substation	0.89	46.48%
Total	**1.92**	**100%**

Figure 36 Google Earth Alignment Map for 33 kV line from 33/11kV Chitamara S/S (New) to 132/33 kVGarjee S/S (New)



4.3.1.9 Feature Details of Final Route Alignment of 33 kV line from 33/11kV Chittmara S/S (New) to 132/33 kV Belonia S/S (New)

33 kV line from 33/11kV Chittmara S/S (New) to 132/33 kV Belonia S/S (New) covers 9.539 km distance. Total 500 Electric Poles (EP) are proposed in this DL. The DL is finalized after detailed analysis considering the environmental features like forest / PA / river etc. The feature survey along the DL is carried out considering 15 mt ROW width i.e., 7.5 mt on either side from center line of the corridor. Geomorphological studies observed that the geology of project area is majorly having rock structure of shallow younger alluvial, less dissected denudational hills, fractured valley and moderately dissected structural hills. Rock type comprises of shaly sandstone and conglomerate of sandstone and pebble bed.

Major part of the DL passes through plain Metal Road (33.18%), Tree crops and Groves (12.16%), Vacant Land (16.34%), Waste land (8.87%), rubber plantation (6.19%), Agriculture Land (7.20%). The DL does not cross any National Highway, Railways, and Power line. Other than agriculture, this line traverses through pond / lake, river, Bricks Road, bridge, mud road, etc. The DL route do not involve notified forest land hence do not required forest clearance under Forest (Conservation) Act, 1980. All PA like NP, WLS and designated wildlife / elephant passage have been completely avoided. The landslide study during electric line feature survey and GIS mapping, reveals that the project region is none to low vulnerable to landslide hazard. The project area is none to moderate flood prone. The type of hazard for the project site is recorded as windstorm and low landslide and flood.

As per detailed surveys and GIS imagery data ROW is crossing water bodies such as river, pond. DL is crossing Muhuri River between EP 29 and 30. EP constructed well above the ground level at required elevation to keep the people and animals away from EMF contact. It also prevents the structure getting damaged during flood situation. All the tower locations are easily accessible through existing road to carryout construction and maintenance activity and construction of new approach road is not required. However, at Chittmara 33 kV S/S strengthening of approach road is required.

GIS route survey map and DL feature details are provided in **Annexure A10 & B10.** The major feature details are depicted in **Table 4.12**. The Google earth image of DL is provided in the **Fig 37.**

Table 4-12: 33 kV line from 33/11kV Chittmara S/S (New) to 132/33 kV Belonia S/S (New)

Electric Line Feature Details - 15m ROW

Feature Class	Area In Ha.	% of Area
Agriculture Land	1.16	7.20%
Bricks Road	0.01	0.08%
Bridge	0.04	0.25%
Drain/Nala	0.00	0.01%
Electric Substation	2.08	12.85%
Metal Road	5.37	33.18%
Mud Road	0.04	0.23%
Park	0.08	0.49%
Pond/Lake	0.28	1.71%
River	0.07	0.45%
Rubber Plantation/Orchards	1.00	6.19%

Feature Class	Area In Ha.	% of Area
Tree Crops and Groves	1.97	12.16%
Vacant Land	2.64	16.34%
Waste Land	1.43	8.87%
Total	16.18	100.00%

Photographs of the line location are given below:

Figure 37 Photographs of Line Location

DL Crossing Muhuri River Between EP 29 and 30

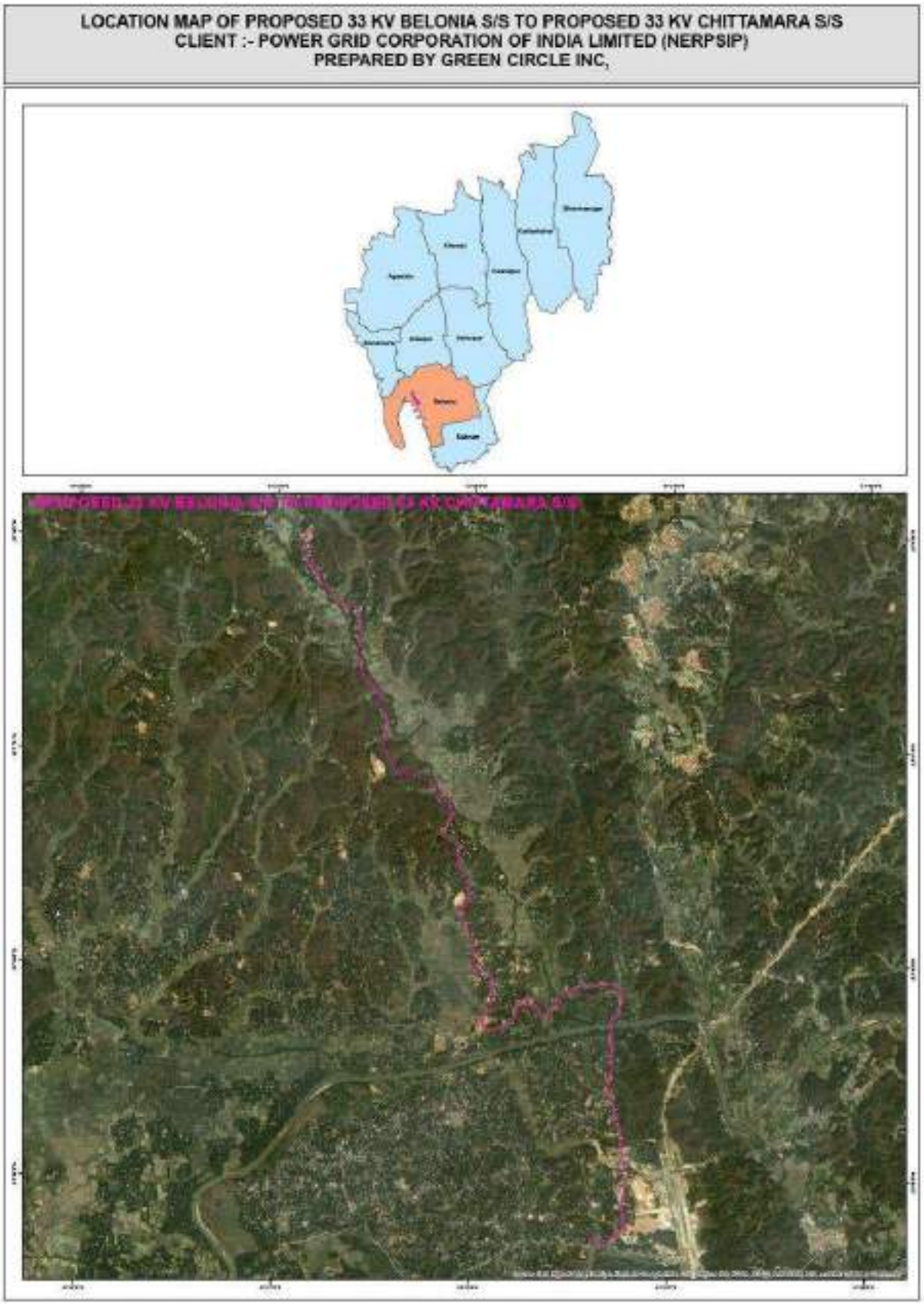
DL Route – Pole Location in Agriculture Land (Left) and Bridge Crossing (Right)

Chittmara Electric Substation

DL Route – Pole location near Market Area

DL Route – Pole location near Market Area and Residential Area

Figure 38 Google Earth Alignment Map for 33 kV line from 33/11kV Chitamara S/S (New) to 132/33 kV Belonia S/S (New)



4.3.1.10 Feature Details of Final Route Alignment of 33 kV line from 33/11kV Barpathari S/S (New) to LILO of Belonia-Rajnagar line

33 kV line from 33/11kV Barpathari S/S (New) to LILO of Belonia-Rajnagar line covers 9.627 km distance. Total 359 Electric Poles (EP) are proposed in this DL. The DL is finalized after detailed analysis considering the environmental features like forest / PA / river etc. The feature survey along the DL is carried out considering 15 mt ROW width i.e., 7.5 mt on either side from center line of the corridor. Geomorphological studies observed that the geology of project area is majorly having rock structure of shallow younger alluvial, less dissected denudational hills, fractured valley line. Rock type comprises of shaly sandstone.

Major part of the DL passes through plain Metal Road (35%), road side fallow land (9.69%), Tree crops and Groves (17.14%), Vacant Land (16.26%), Waste land (3%), rubber plantation (7.59%), Agriculture Land (7.20%). The DL does not cross any National Highway, Railways, and Power line. Other than agriculture, this line traverses through pond / lake, river, Bricks Road, bridge, mud road, etc. The DL route do not involve notified forest land hence do not required forest clearance under Forest (Conservation) Act, 1980. All PA like NP, WLS and designated wildlife / elephant passage have been completely avoided in DL. However, 33/11 kV Barpathari S/S is having 0.22 Ha Trishna WLS Forest Area. Accordingly, Stage-II Forest clearance issued on 18.03.2021. Working permission issued on 10.05.2021. NBWL permission for Trishna WLS is obtained on 17.12.19. **Please refer Annexure 6**. The landslide study during electric line feature survey and GIS mapping, reveals that the project region is not vulnerable to landslide hazard and flood hazard. The type of hazard for the project site is recorded as earthquake and windstorm.

As per detailed surveys and GIS imagery data ROW is crossing water bodies such as drain, pond. EP constructed well above the ground level at required elevation to keep the people and animals away from EMF contact. It also prevents the structure getting damaged during flood situation. All the tower locations are easily accessible through existing road to carryout construction and maintenance activity and construction of new approach road is not required. However, at Barpathari 33 kV S/S strengthening of approach road is required.

GIS route survey map and DL feature details are provided in **Annexure A11 & B11.** The major feature details are depicted in **Table 4.13**. The Google earth image of DL is provided in the **Fig 39.**

Table 4-13: 33 kV line from 33/11kV Barpathari S/S (New) to LILO of Belonia-Rajnagar line
Electric Line Feature Details - 15m ROW

Feature Class	Area In Ha.	% of Area
Agriculture Land	0.53	4.32%
Barren/Rocky with Scrub Land	0.59	4.83%
Brick Kilns/Quarry	0.01	0.01%
Bricks Road	0.02	0.13%
Drain/Nala	0.01	0.08%
Electric Substation	0.10	0.84%
Metal Road	4.29	35.02%
Mud Road	0.10	0.79%
Pond/Lake	0.07	0.59%
Road side Fallow Land	1.19	9.69%

Feature Class	Area In Ha.	% of Area
Rubber Plantation	0.93	7.59%
Tree Crop and Groves	2.10	17.14%
Vacant Land	1.99	16.26%
Waste Land	0.33	2.72%
Total	**12.24**	**100.00%**

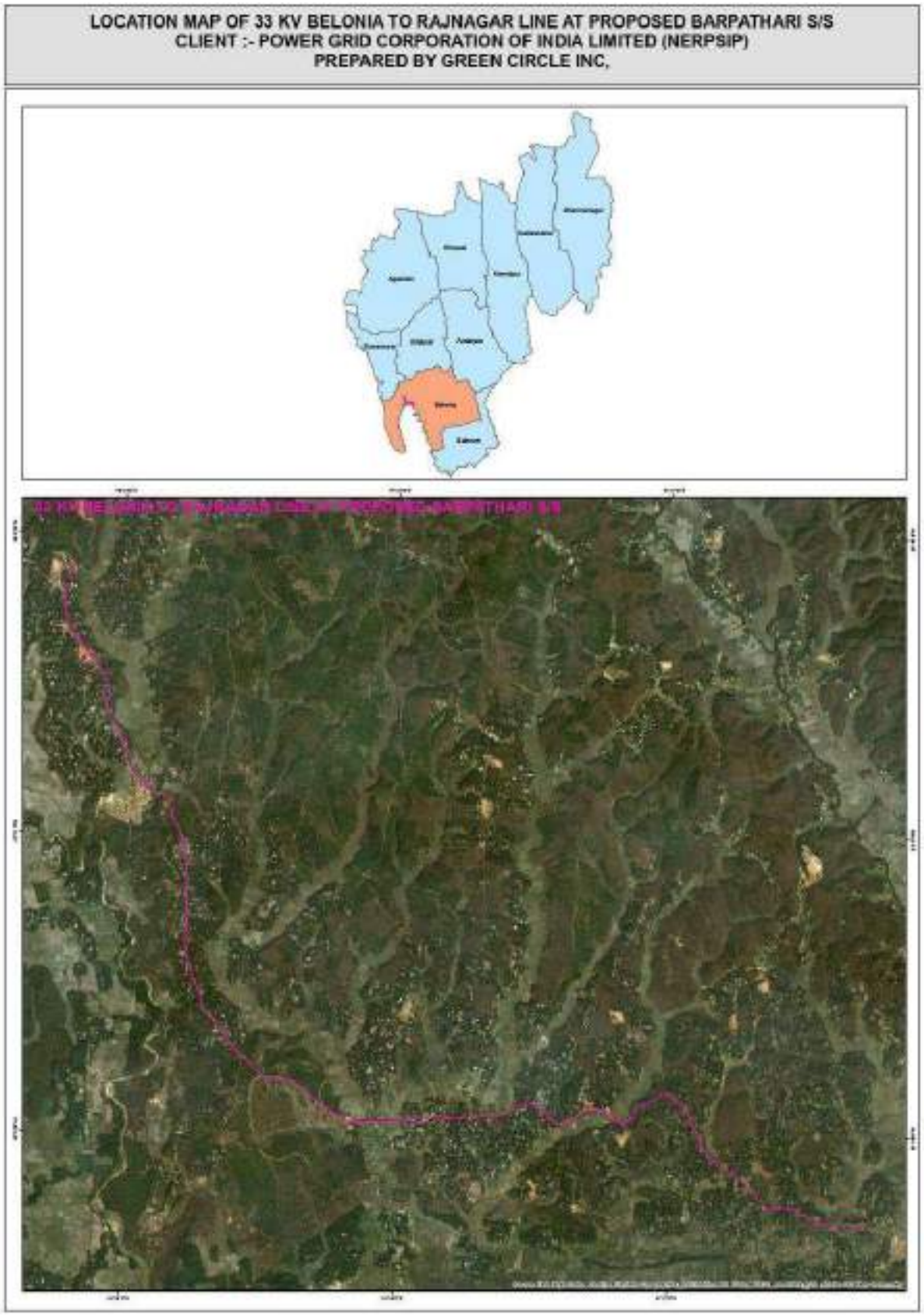
Photographs of the line location are given below:

Figure 39 Photographs of line Location

33/11 kV Barpathari S/S Construction Site

Tree Marking – Substation Site

Figure 40 Google Earth Alignment Map for 33 kV line from 33/11kV Barpathari S/S (New) to LILO ofBelonia-Rajnagar line



4.3.1.11 Feature Details of Final Route Alignment of 33 kV line from 33/11kV Ekinpur S/S (New) to 33/11 kV Rajnagar S/S (Existing)

33 kV line from 33/11kV Ekinpur S/S (New) to 33/11 kV Rajnagar S/S (Existing) covers 15.978 km distance. Total 767 Electric Poles (EP) are proposed in this DL. The DL is finalized after detailed analysis considering the environmental features like forest / PA / river etc. The feature survey along the DL is carried out considering 15 mt ROW width i.e., 7.5 mt on either side from center line of the corridor. Geomorphological studies observed that the geology of project area is majorly having rock structure of shallow younger alluvial, less dissected denudational hills, fractured valley line. Rock type comprises of shaly sandstone.

Major part of the DL passes through plain Metal Road (40.61%), road side fallow land (2.12%), Tree crops and Groves (13.28%), Vacant Land (15.29%), Waste land (2.39%), rubber plantation (12.14%), Agriculture Land (7.20%). The DL does not cross any National Highway, Railways, and Power line. Other than agriculture, this line traverses through pond / lake, river, Bricks Road, bridge, mud road, etc. The DL route do not involve notified forest land hence do not required forest clearance under Forest (Conservation) Act, 1980. All PA like NP, WLS and designated wildlife / elephant passage have been completely avoided in DL. However, 33/11 kV Ekinpur S/S is having 0.2 Ha RF Area. Accordingly, Stage-II clearance obtained on 12.10.2020. **Please refer Annexure 6**. The landslide study during electric line feature survey and GIS mapping, reveals that the project region is very low vulnerable to landslide hazard and none to flood hazard. The type of hazard for the project site is recorded as earthquake and windstorm.

As per detailed surveys and GIS imagery data ROW is crossing water bodies such as drain, pond. EP constructed well above the ground level at required elevation to keep the people and animals away from EMF contact. It also prevents the structure getting damaged during flood situation. All the tower locations are easily accessible through existing road to carryout construction and maintenance activity and construction of new approach road is not required. However, at Ekinpur 33 kV S/S strengthening of approach road is required.

GIS route survey map and DL feature details are provided in **Annexure A12 & B12.** The major feature details are depicted in **Table 4.14**. The Google earth image of DL is provided in the **Fig 41.**

Table 4-14: 33 kV line from 33/11kV Ekinpur S/S (New) to 33/11 kV Rajnagar S/S (Existing)
Electric Line Feature Details - 15m ROW

Feature Class	Area In Ha.	% of Area
Agriculture Land	2.16	8.84%
Barren/Rocky with Scrub Land	0.16	0.64%
Bricks Road	0.01	0.06%
Bridge	0.02	0.10%
Drain/Nala	0.02	0.06%
Electric Substaion	0.75	3.06%
Metal Road	9.92	40.61%
Mud Road	0.10	0.42%
Pond/Lake	0.24	0.98%
Road side Fallow Land	0.52	2.12%
Rubber Plantation	2.97	12.14%
Tree Crops and Groves	3.24	13.28%
Vacant Land	3.73	15.29%
Waste Land	0.58	2.39%
Total	24.43	100.00%

Photographs of the line location are given below:

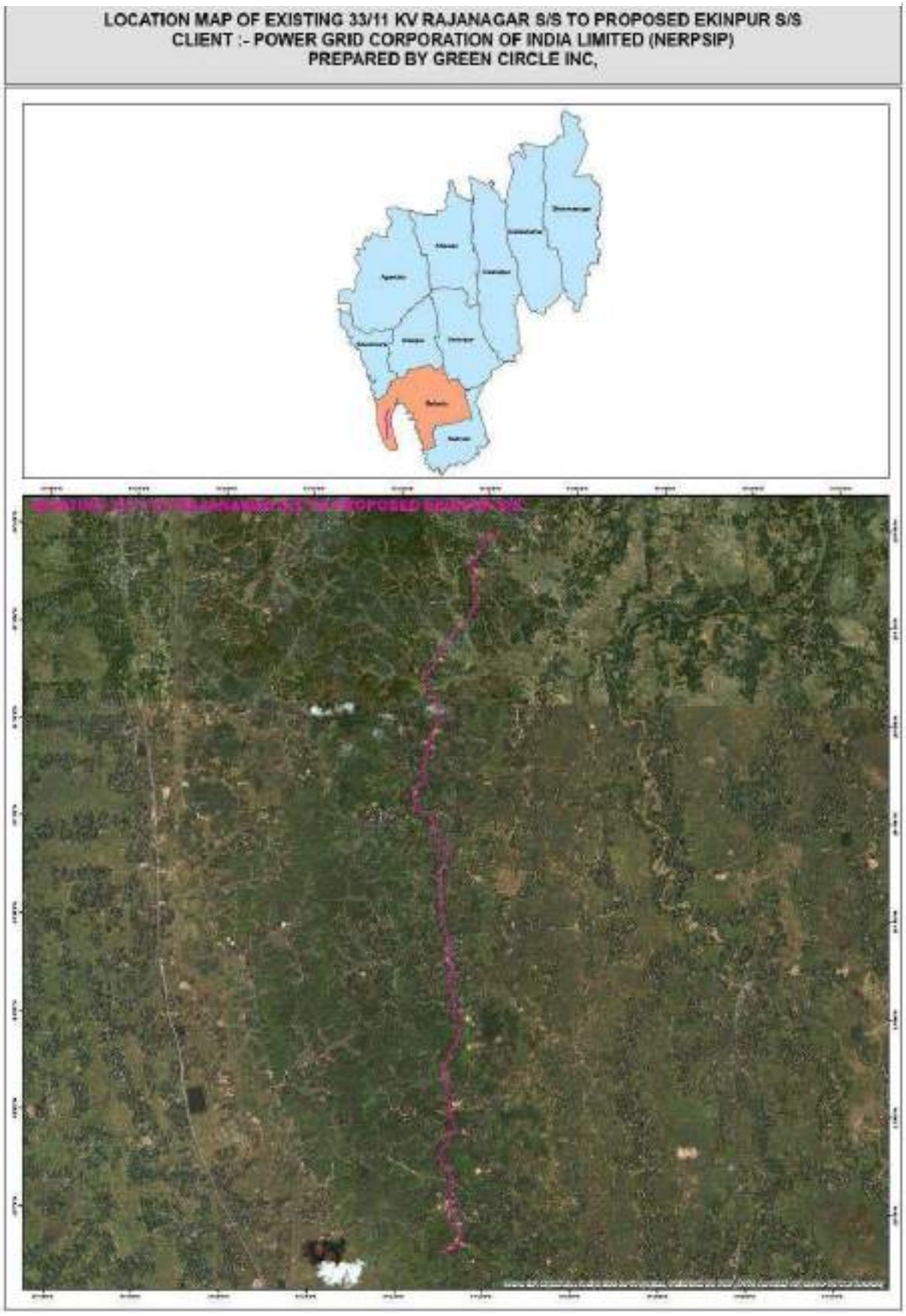
Figure 41 Photographs of Line location

DL Route – Pole Location in Residential Area (Left) and Tree/Crops/Grooms (Right)

DL Route – Pole Location in Tree/Crops/Grooms (Right)

DL Route – Pole Location in Residential Area along Metal Road

Figure 42 Google Earth Alignment Map for 33 kV line from 33/11kV Ekinpur S/S (New) to 33/11 kV Rajnagar S/S (Existing)



4.3.1.12 Feature Details of Final Route Alignment of 33 kV line from 33/11kV Muhuripur S/S (New) to LILO of Julaibari - Bagfa line

33 kV line from 33/11kV Muhuripur S/S (New) to LILO of Julaibari - Bagfa line covers 15.683 km distance. Total 569 Electric Poles (EP) are proposed in this DL. The DL is finalized after detailed analysis considering the environmental features like forest / PA / river etc. The feature survey along the DL is carried out considering 15 mt ROW width i.e., 7.5 mt on either side from center line of the corridor. Geomorphological studies observed that the geology of project area is majorly having rock structure of shallow younger alluvial, moderately dissected structural hills. Rock type comprises shaly sandstone and conglomerate of Sandstone and Pebble bed.

Major part of the DL passes through plain Metal Road (33.75%), road side fallow land (8.06%), Tree crops and Groves (20.18%), Vacant Land (13.95%), Waste land (3.03%), rubber plantation (1.12%), Agriculture Land (13.63%). The DL does not cross any National Highway, Railways, and Power line. Other than agriculture, this line traverses through pond / lake, river, Bricks Road, bridge, mud road, etc. The DL route involve notified forest land of 18.19 Ha hence required forest clearance under Forest (Conservation) Act, 1980. Accordingly, Stage-I obtained on 17.06.2021. **Please refer Annexure 6**. All PA like NP, WLS and designated wildlife / elephant passage have been completely avoided in DL. The landslide study during electric line feature survey and GIS mapping, reveals that the project region is not vulnerable to landslide hazard and low to moderate vulnerable to flood hazard. The type of hazard for the project site is recorded as earthquake, flood and windstorm.

As per detailed surveys and GIS imagery data ROW is crossing water bodies such as drain, pond, Canal, River. DL crosses Paschim Charakbai Canal Between EP 27 and 28. EP constructed well above the ground level at required elevation to keep the people and animals away from EMF contact. It also prevents the structure getting damaged during flood situation. All the tower locations are easily accessible through existing road to carryout construction and maintenance activity and construction of new approach road is not required. However, at Muhuripur 33 kV S/S strengthening of approach road is required.

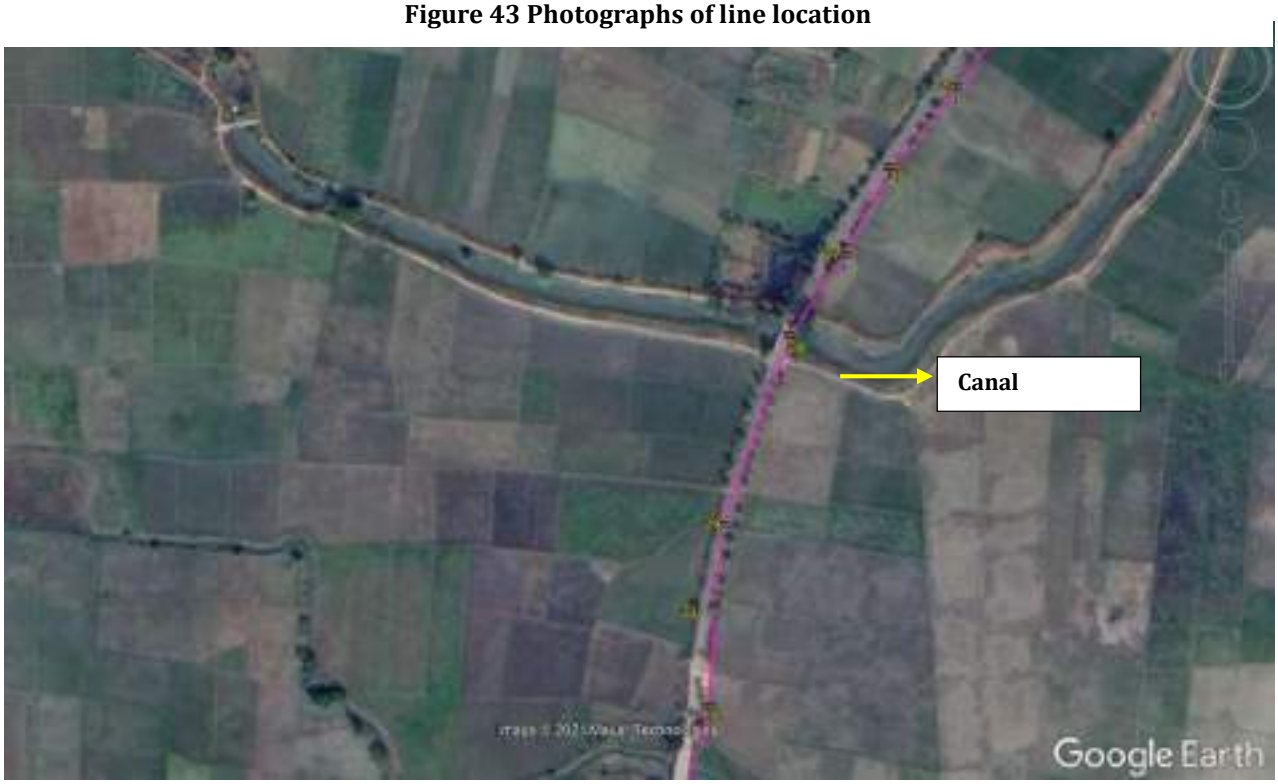
GIS route survey map and DL feature details are provided in **Annexure A13 & B13.** The major feature details are depicted in **Table 4.15**. The Google earth image of DL is provided in the Fig 43**.**

Table 4-15: 33 kV line from 33/11kV Muhuripur S/S (New) to LILO of Julaibari - Bagfa line
Electric Line Feature Details - 15m ROW

Feature Class	Area In Ha.	% of Area
Agriculture Land	1.36	13.63%
Bricks Road	0.01	0.02%
Bridge	0.01	0.14%
Canal	0.01	0.09%
Drain/Nala	0.03	0.32%
Electric Substation	0.11	1.13%
Fallow Land	0.81	8.06%
Metal Road	3.37	33.75%
Mud Road	0.09	0.90%
Pond/Lake	0.30	3.03%
River	0.02	0.22%
Rubber Plantation	0.11	1.12%
Tree Crops and Groves	2.02	20.18%
Tree Plantation	0.04	0.44%
Vacant Land	1.39	13.95%
Waste Land	0.30	3.03%
Total	9.99	100%

Photographs of the line location are given below:

Figure 43 Photographs of line location

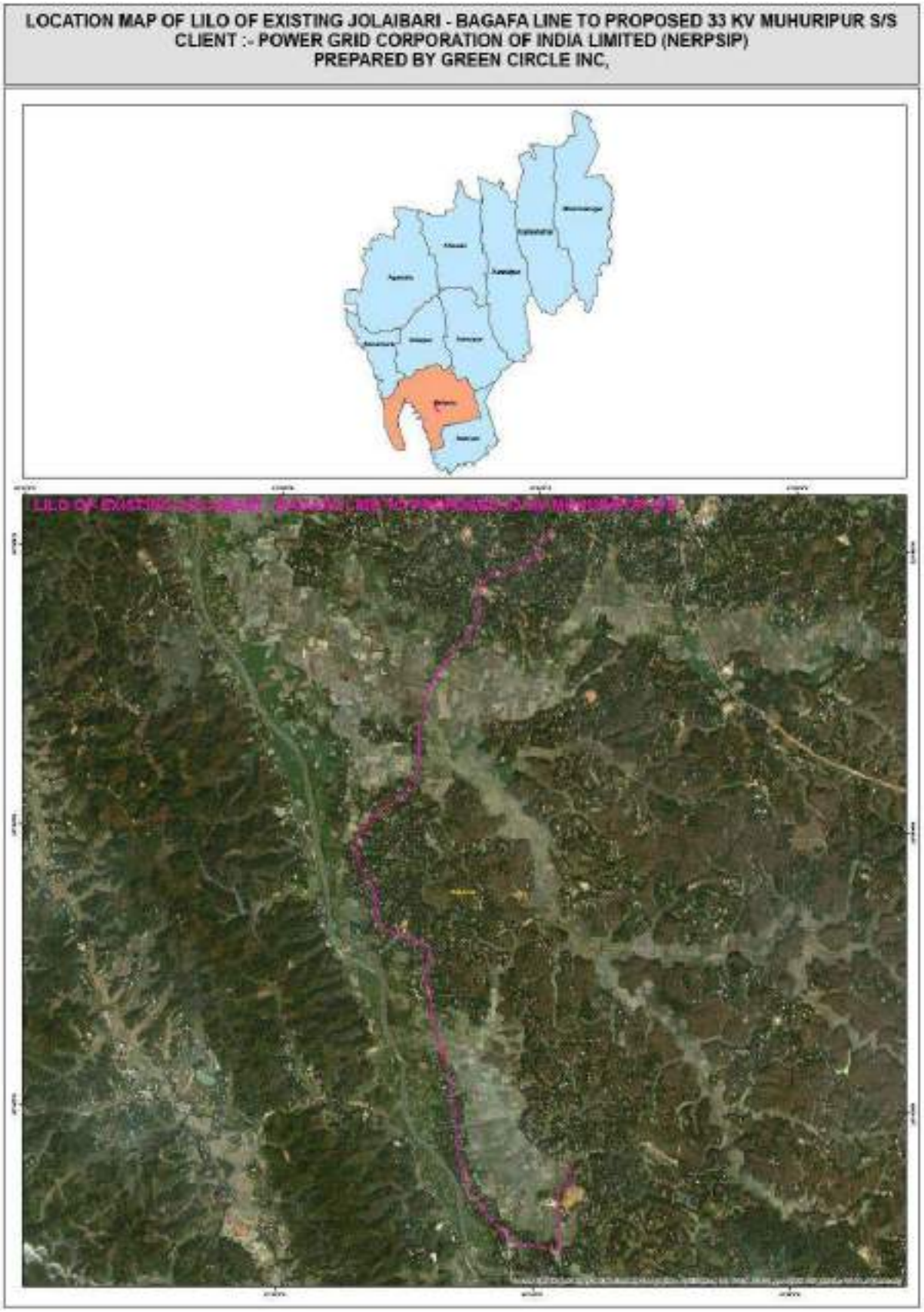


DL crosses Paschim Charakbai Canal Between EP 27 and 28

DL Route – Pole Location Along Metal Road

DL Route – Pole Location Along Agriculture Land (Left) and Vacant Land (Right)

Figure 44 Google Earth Alignment Map for 33 kV line from 33/11kV Moharipur S/S (New) to LILO of Julaibari-Bagfa line



4.3.1.13 Feature Details of Final Route Alignment of 33 kV line from 33/11kV Srinagar S/S (New) to 33/11 kV Manughat S/S (New)

33 kV line from 33/11kV Srinagar S/S (New) to 33/11 kV Manughat S/S (New) covers 16.223 km distance. Total 989 Electric Poles (EP) are proposed in this DL. The DL is finalized after detailed analysis considering the environmental features like forest / PA / river etc. The feature survey along the DL is carried out considering 15 mt ROW width i.e., 7.5 mt on either side from center line of the corridor. Geomorphological studies observed that the geology of project area is majorly having rock structure of shallow valley fill, fractured fault valley, moderately dissected structural hills and less dissected denudational hills. Rock type comprises shaly sandstone with limestone bands, and conglomerate of Sandstone and Pebble bed.

Major part of the DL passes through plain Metal Road (40.64%), Waste land (11.25%), rubber plantation (7.91%), Agriculture Land (3.91%), Barren Rocky Scrub Land (9.03), Dense Reserve Forest (17.96%). The DL does not cross any National Highway, Railways, and Power line. Other than agriculture, this line traverses through pond / lake, river, Bricks Road, bridge, mud road, etc. The DL route do not involve notified forest land hence do not required forest clearance under Forest (Conservation) Act, 1980. All PA like NP, WLS and designated wildlife / elephant passage have been completely avoided in DL. The landslide study during electric line feature survey and GIS mapping, reveals that the project region is highly vulnerable to landslide hazard and not vulnerable to flood hazard. The type of hazard for the project site is recorded as earthquake, windstorm and landslide.

As per detailed surveys and GIS imagery data ROW is crossing water bodies such as drain, pond, River. DL crosses tributary of Fenni River between EP 78 and 79 and EP 264 and 265. EP constructed well above the ground level at required elevation to keep the people and animals away from EMF contact. It also prevents the structure getting damaged during flood situation. All the tower locations are easily accessible through existing road to carryout construction and maintenance activity and construction of new approach road is not required.

GIS route survey map and DL feature details are provided in **Annexure A14 & B14.** The major feature details are depicted in **Table 4.16**. The Google earth image of DL is provided in the Fig 45**.**

Table 4-16: 33 kV line from 33/11kV Srinagar S/S (New) to 33/11 kV Manughat S/S (New)
Electric Line Feature Details - 15m ROW

Feature Class	Area In Ha.	% of Area
Agriculture Land	0.96	3.91%
Barren Rocky with Scrub Land	2.22	9.03%
Bricks Road	0.04	0.16%
Bridge	0.07	0.30%
Dense Reserve Forest	4.41	17.96%
Drain/Nala	0.07	0.27%
Electric Substation	0.13	0.55%
Fallow Land	0.16	0.64%
Metal Road	9.97	40.64%
Mud Road	0.06	0.24%
Open Forest	1.29	5.27%
Pond/Lake	0.05	0.21%
River	0.07	0.30%
Rubber Plantation	1.94	7.91%
Tree Crops and Groves	0.33	1.36%
Waste Land	2.76	11.25%
Total	**24.53**	**100.00%**

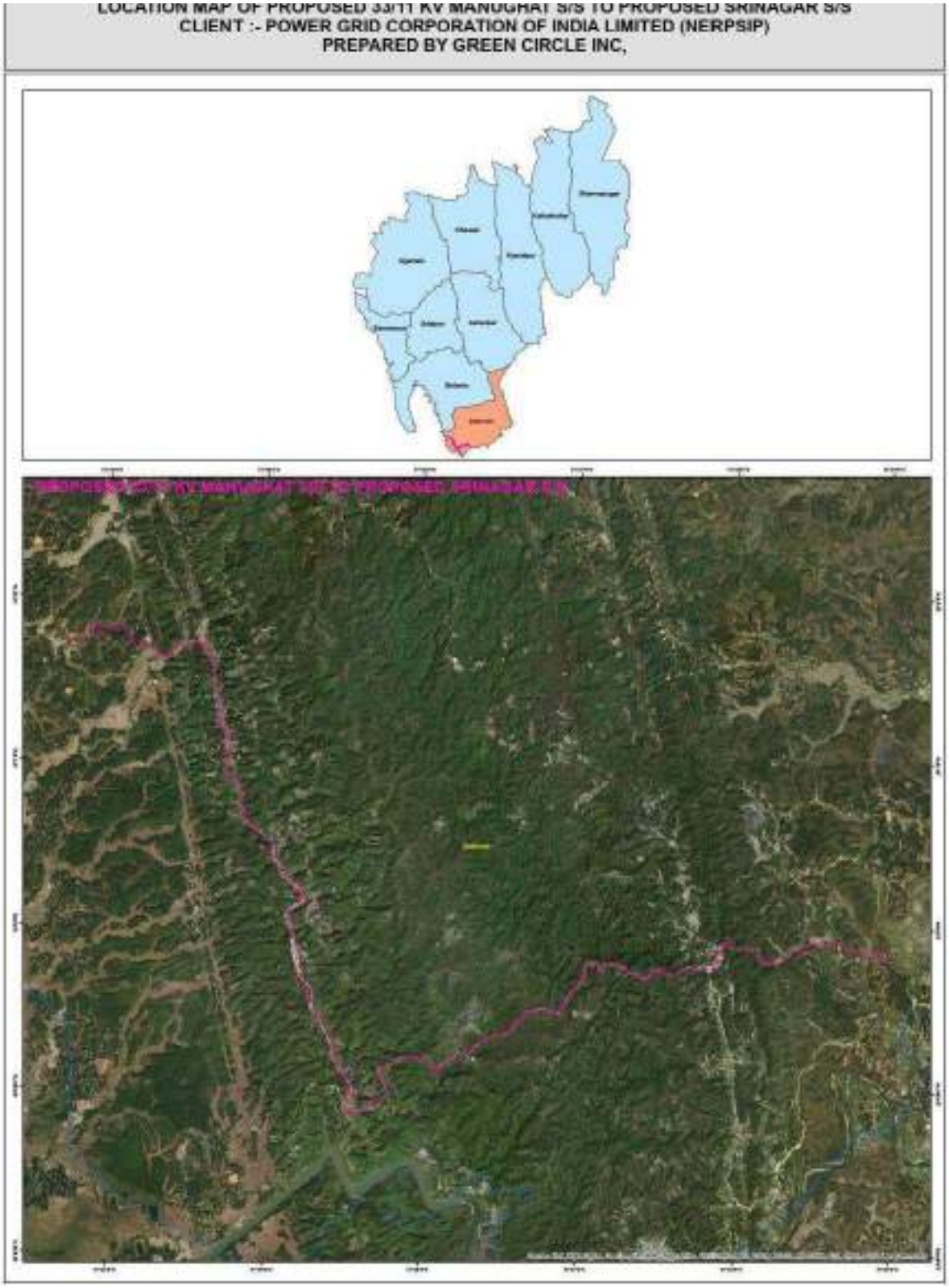
Photographs of the line location are given below:

Figure 45 Photographs of line location

DL crosses tributary of Fenni River between EP 78

DL crosses tributary of Fenni River between EP 264 and 265

Figure 46 Google Earth Alignment Map for 33 kV line from 33/11kV Srinagar S/S (New) to 33/11 kV Manughat S/S (New)



*Blue Color Indicate: State/National line crossing

4.3.1.14 Feature Details of Final Route Alignmnet of 33 kV line from 33/11kV Srinagar S/S (New) to 132/33 kV Satchand S/S (New)

33 kV line from 33/11kV Srinagar S/S (New) to 132/33 kV Satchand S/S (New) covers 17.644 km distance. Total 947 Electric Poles (EP) are proposed in this DL. The DL is finalized after detailed analysis considering the environmental features like forest / PA / river etc. The feature survey along the DL is carried out considering 15 mt ROW width i.e., 7.5 mt on either side from center line of the corridor. Geomorphological studies observed that the geology of project area is majorly having rock structure of shallow valley fill, moderately dissected structural hills. Rock type comprises of conglomerate of Sandstone and Pebble bed.

Major part of the DL passes through plain Metal Road (38.21%), Road Side Fallow Land (16.34%), rubber plantation (7.12%), Agriculture Land (4.47%), Open Forest (19.93%), Tree Crops and Groves (5.72%). The DL does not cross any National Highway and Power line. However, line crosses Railway line. Other than agriculture, this line traverses through pond / lake, river, Bricks Road, bridge, mud road, etc. The DL route do not involve notified forest land hence do not required forest clearance under Forest (Conservation) Act, 1980. All PA like NP, WLS and designated wildlife / elephant passage have been completely avoided in DL. The landslide study during electric line feature survey and GIS mapping, reveals that the project region is severely vulnerable to landslide hazard and low vulnerable to flood hazard. The type of hazard for the project site is recorded as earthquake, windstorm, landslide and flood.

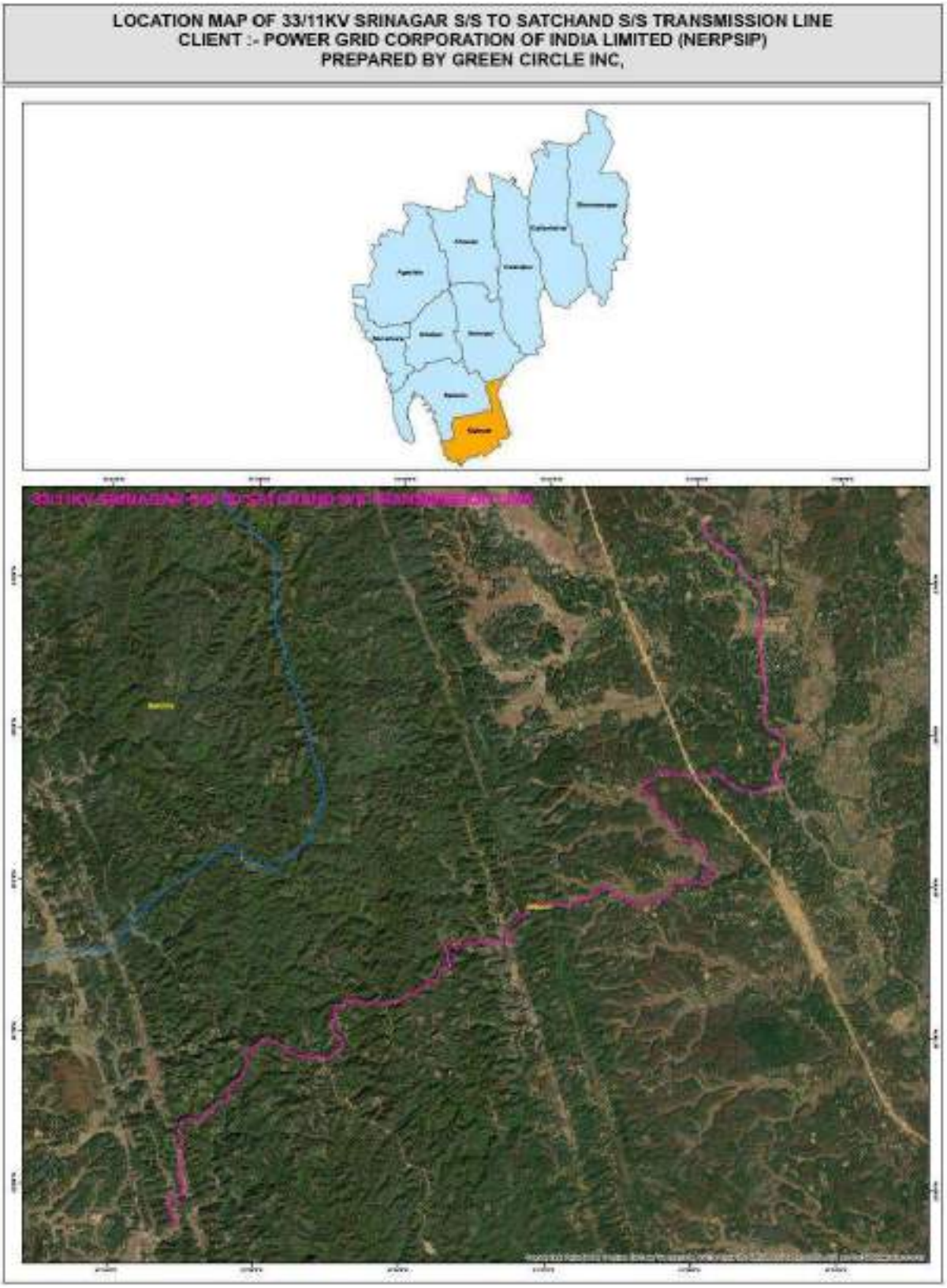
As per detailed surveys and GIS imagery data ROW is crossing water bodies such as drain. EP constructed well above the ground level at required elevation to keep the people and animals away from EMF contact. It also prevents the structure getting damaged during flood situation. All the tower locations are easily accessible through existing road to carryout construction and maintenance activity and construction of new approach road is not required.

GIS route survey map and DL feature details are provided in **Annexure A15 & B15.** The major feature details are depicted in **Table 4.17**.

Table 4-17: 33 kV line from 33/11kV Srinagar S/S (New) to 132/33 kV Satchand S/S (New)
Electric Line Feature Details - 15m ROW

Feature Class	Area In Ha.	% of Area
Agriculture Land	1.22	4.47%
Barren/Rocky with Scrub Land	0.26	0.97%
Bricks Road	0.03	0.11%
Bridge	0.02	0.07%
Culvert	0.01	0.02%
Drain/Nala	0.04	0.16%
Electric Substation	0.81	2.98%
Metal Road	10.41	38.21%
Mud Road	0.12	0.46%
Open Forest	5.43	19.93%
Playground	0.04	0.14%
Railway	0.10	0.36%
Road Side Fallow Land	4.45	16.34%
Rubber Plantation	1.94	7.12%
Tree Crops/Groves	1.56	5.72%
Vacant Land	0.80	2.95%
Total	**27.23**	**100.00%**

Figure 47 Google Earth Alignment Map for 33 kV line from 33/11kV Srinagar S/S (New) to 132/33 kV Satchand S/S (New)



*Blue Color Indicate: State/National line crossing

4.3.1.15 Feature Details of Final Route Alignment of 33 kV line from 33/11kV Srinagar S/S (New) to Tapping point of Belonia-Hryshumukh Line

33 kV line from 33/11kV Srinagar S/S (New) to Tapping point of Belonia-Hryshumukh Line covers 15.329 km distance. Total 702 Electric Poles (EP) are proposed in this DL. The DL is finalized after detailed analysis considering the environmental features like forest / PA / river etc. The feature survey along the DL is carried out considering 15 mt ROW width i.e., 7.5 mt on either side from center line of the corridor. Geomorphological studies observed that the geology of project area is majorly having rock structure of shallow younger alluvial layers, shallow valley fill, less dissected denudational hills. Rock type comprises of Shaly Sandstone.

Major part of the DL passes through plain Metal Road (41.81%), Road Side Fallow Land (3.91%), rubber plantation (1.49%), Agriculture Land (24.48%), Vacant Land (7.91%), Tree Crops and Groves (12.14%). The DL does not cross any National Highway, Railway Line and Power line. Other than agriculture, this line traverses through pond / lake, Bricks Road, bridge, mud road, etc. The DL route do not involve notified forest land hence do not required forest clearance under Forest (Conservation) Act, 1980. All PA like NP, WLS and designated wildlife / elephant passage have been completely avoided in DL. The landslide study during electric line feature survey and GIS mapping, reveals that the project region is not vulnerable to landslide hazard and high flood prone area. The type of hazard for the project site is recorded as earthquake, windstorm and flood.

As per detailed surveys and GIS imagery data ROW is crossing water bodies such as drain, canal, pond. DL crosses drain between EP 41 and 42. EP constructed well above the ground level at required elevation to keep the people and animals away from EMF contact. It also prevents the structure getting damaged during flood situation. All the tower locations are easily accessible through existing road to carryout construction and maintenance activity and construction of new approach road is not required.

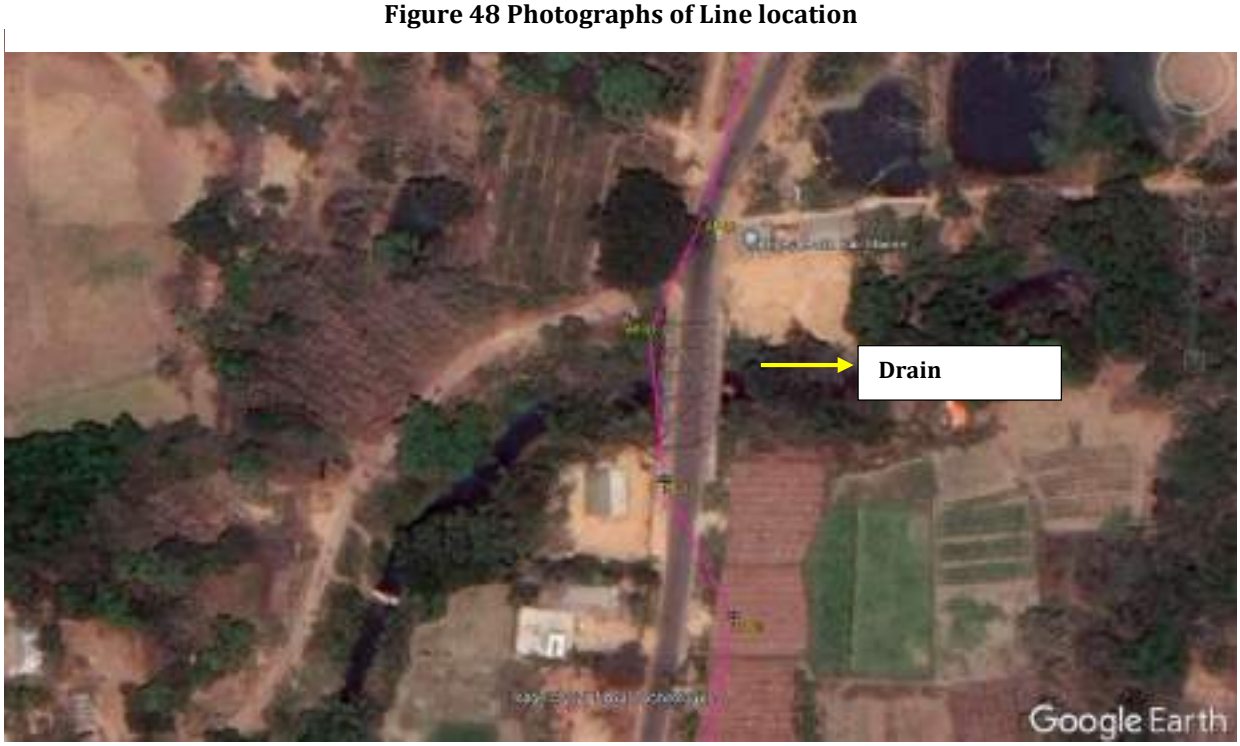
GIS route survey map and DL feature details are provided in **Annexure A16 & B16.** The major feature details are depicted in **Table 4.18**. The Google earth image of DL is provided in the **Fig 48.**

Table 4-18: 33 kV line from 33/11kV Srinagar S/S (New) to Tapping point of Belonia-Hryshumukh Line
Electric Line Feature Details - 15m ROW

Feature Class	Area In Ha.	% of Area
Agriculture Land	5.78	24.48%
Barren Rocky with Scrub Land	0.46	1.96%
Bricks Road	0.01	0.06%
Bridge	0.07	0.29%
Canal	0.04	0.16%
Drain/Nala	0.09	0.37%
Electric Substation	0.66	2.80%
Fallow Land	0.92	3.91%
Metal Road	9.87	41.81%
Mud Road	0.10	0.42%
Pond/Lake	0.41	1.73%
Rubber Plantation	0.35	1.49%
Tree Crops and Groves	2.87	12.14%
Vacant Land	1.87	7.91%
Water Logged Area	0.12	0.49%
Total	**23.61**	**100.00%**

Photographs of the line location are given below:

Figure 48 Photographs of Line location



DL crosses drain between EP 41 and 42

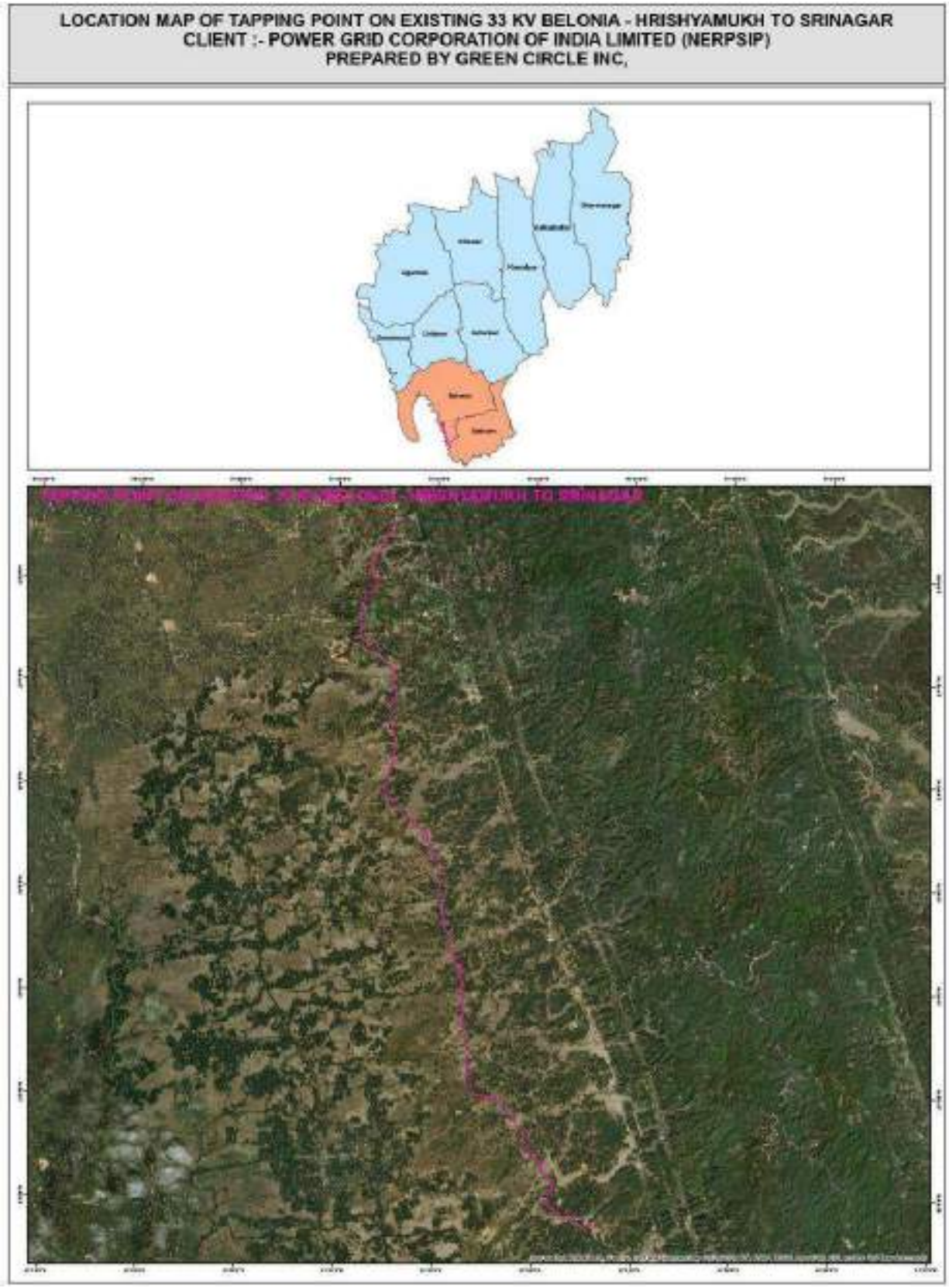
DL Route – Pole Location along Metal Road

DL Route – Pole Location Along Pond

DL Route – Pole Location in School (Left) and Metal Road (Right)

DL Route – Pole Location on Bridge (Left) and Vacant Land (Right)

Figure 49 Google Earth Alignment Map for 33 kV line from 33/11kV Srinagar S/S (New) to Tapping point of Belonia-Hryshumukh Line



4.3.1.16 Feature Details of Final Route Alignment of 33 kV line from 33/11kV Manughat S/S (New) to 132/33 kV Sabroom S/S (New)

33 kV line from 33/11kV Manughat S/S (New) to 132/33 kV Sabroom S/S (New) covers 12.825 km distance. Total 695 Electric Poles (EP) are proposed in this DL. The DL is finalized after detailed analysis considering the environmental features like forest / PA / river etc. The feature survey along the DL is carried out considering 15 mt ROW width i.e., 7.5 mt on either side from center line of the corridor. Geomorphological studies observed that the geology of project area is majorly having rock structure of shallow younger alluvial layers, moderately dissected Structural hills. Rock type comprises of conglomerate of sandstone and pebble bed Sandstone.

Major part of the DL passes through plain Metal Road (42.93%), rubber plantation (1.40%), Agriculture Land (15.26%), Vacant Land (9.01%), Tree Crops and Groves (10.94%). The DL does not cross any National Highway, Railway Line and Power line. Other than agriculture, this line traverses through pond / lake, Bricks Road, bridge, mud road, etc. The DL route do not involve notified forest land hence do not required forest clearance under Forest (Conservation) Act, 1980. All PA like NP, WLS and designated wildlife / elephant passage have been completely avoided in DL. The landslide study during electric line feature survey and GIS mapping, reveals that the project region is very less vulnerable to landslide hazard and moderately flood prone area. The type of hazard for the project site is recorded as earthquake, windstorm and flood.

As per detailed surveys and GIS imagery data ROW is crossing water bodies such as drain, canal, pond. DL Crosses Tributary of Feni River Between EP 251 and 252. EP constructed well above the ground level at required elevation to keep the people and animals away from EMF contact. It also prevents the structure getting damaged during flood situation. All the tower locations are easily accessible through existing road to carryout construction and maintenance activity and construction of new approach road is not required.

GIS route survey map and DL feature details are provided in **Annexure A17 & B17.** The major feature details are depicted in **Table 4.19**. The Google earth image of DL is provided in the Fig 50**.**

Table 4-19: 33 kV line from 33/11kV Manughat S/S (New) to 132/33 kV Sabroom S/S (New)
Electric Line Feature Details - 15m ROW

Feature Class	Area In Ha.	% of Area
Agriculture Land	3.16	15.26%
Barren Rocky with Scrub Land	0.47	2.25%
Bricks Road	0.04	0.18%
Bridge	0.03	0.15%
Drain/Nala	0.24	1.13%
Electric Substation	1.51	7.27%
Fallow Land	0.81	3.91%
Metal Road	8.89	42.93%
Mud Road	0.14	0.67%
Park	0.04	0.21%
Pond/Lake	0.16	0.79%
River	0.04	0.22%
Rubber Plantation	0.29	1.40%
Tree Crops and Groves	2.27	10.94%
Vacant Land	1.87	9.01%
Waste Land	0.76	3.68%
Total	**20.71**	**100.00%**

Photographs of the line location are given below:

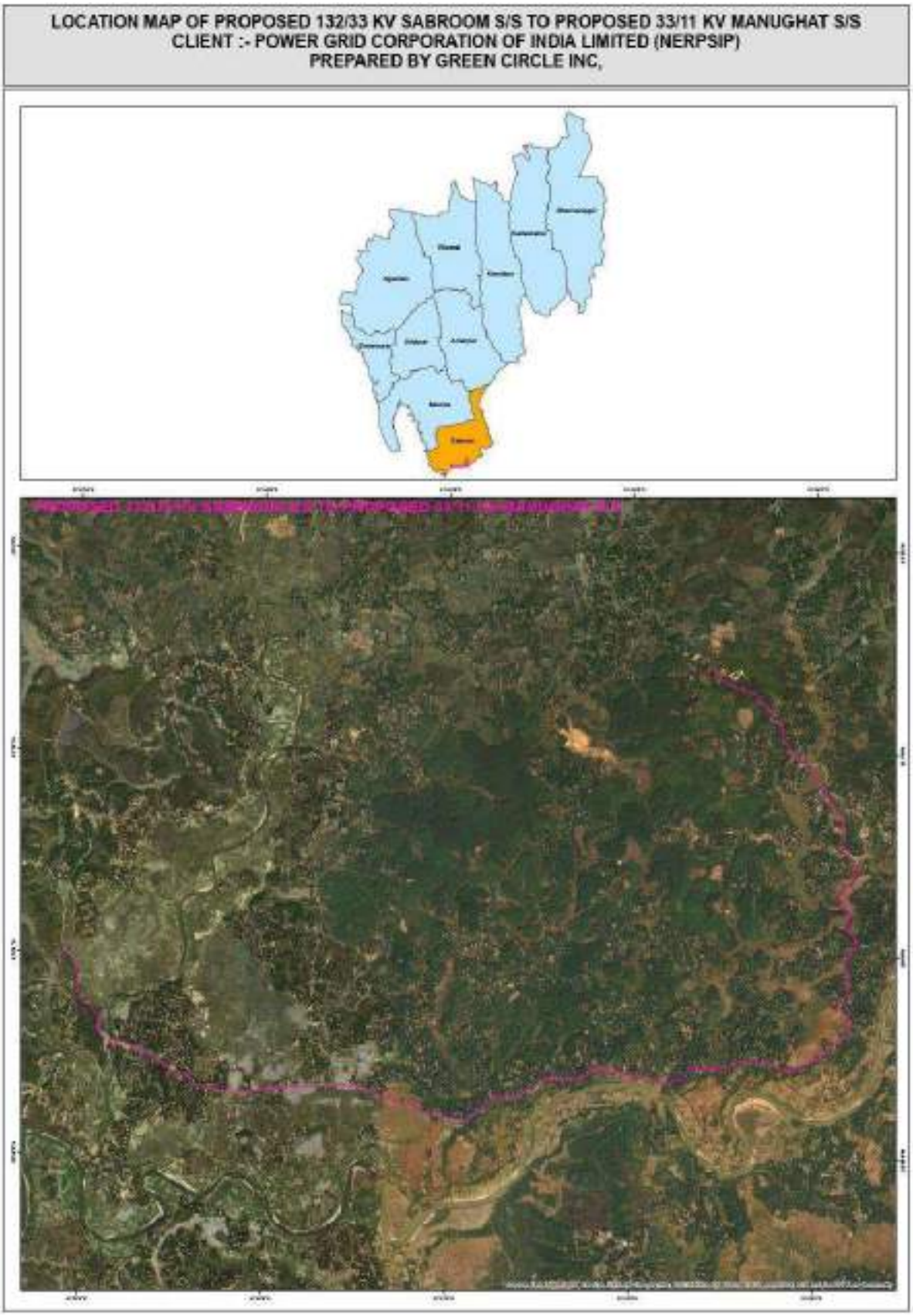
Figure 50 Photographs of line location

DL Crosses Tributary of Feni River Between EP 251 and 252

DL Route - Pole Location along Metal Road

DL Route – Pole Location at Agriculture Land (Left) and River Crossing (Right)

Figure 51 Google Earth Alignment Map for 33 kV line from 33/11kV Manughat S/S (New) to 132/33 kV Sabroom S/S (New)



4.3.1.17 Feature Details of Final Route Alignment of 33 kV line from Rupaichari 33/11 kV S/S (New) to 132/33 kV Sabroom S/S (New)

33 kV line from Rupaichari 33/11 kV S/S (New) to 132/33 kV Sabroom S/S (New) covers 12.825 km distance. Total 695 Electric Poles (EP) are proposed in this DL. The DL is finalized after detailed analysis considering the environmental features like forest / PA / river etc. The feature survey along the DL is carried out considering 15 mt ROW width i.e., 7.5 mt on either side from center line of the corridor. Geomorphological studies observed that the geology of project area is majorly having rock structure of shallow younger alluvial layers, moderately dissected Structural hills. Rock type comprises of conglomerate of sandstone and pebble bed Sandstone.

Major part of the DL passes through plain Metal Road (36.06%), rubber plantation (18.03%), Agriculture Land (8.06%), tree crops and groves (9.32%), Vacant Land (7.42%). The DL does not cross any National Highway, Railway Line and Power line. Other than agriculture, this line traverses through pond / lake, Bricks Road, bridge, mud road, etc. The DL route do not involve notified forest land hence do not required forest clearance under Forest (Conservation) Act, 1980. All PA like NP, WLS and designated wildlife / elephant passage have been completely avoided in DL. The landslide study during electric line feature survey and GIS mapping, reveals that the project region is very less vulnerable to landslide hazard and not flood prone area. The type of hazard for the project site is recorded as earthquake, windstorm and very low landslide.

As per detailed surveys and GIS imagery data ROW is crossing water bodies such as drain, canal, pond. EP constructed well above the ground level at required elevation to keep the people and animals away from EMF contact. It also prevents the structure getting damaged during flood situation. All the tower locations are easily accessible through existing road to carryout construction and maintenance activity and construction of new approach road is not required.

GIS route survey map and DL feature details are provided in **Annexure A18 & B18.** The major feature details are depicted in **Table 4.20**. The Google earth image of DL is provided in the Fig 52**.**

Table 4-20: 33 kV line from Rupaichari 33/11 kV S/S (New) to 132/33 kV Sabroom S/S (New)
Electric Line Feature Details - 15m ROW

Feature Class	Area In Ha.	% of Area
Agriculture Land	1.89	8.06%
Brick kilns/Quarry	0.13	0.57%
Bricks Road	0.27	1.15%
Drain/Nala	0.09	0.40%
Electric Substation	1.67	7.11%
Fallow Land	1.25	5.31%
Metal Road	8.46	36.06%
Mud Road	0.12	0.51%
Pond/Lake	0.17	0.74%
Rubber Plantation/Orchards	4.23	18.03%
Tree Crop and Groves	2.19	9.32%
Vacant Land	1.74	7.42%
Waste Land	1.25	5.32%
Total	**23.46**	**100.00%**

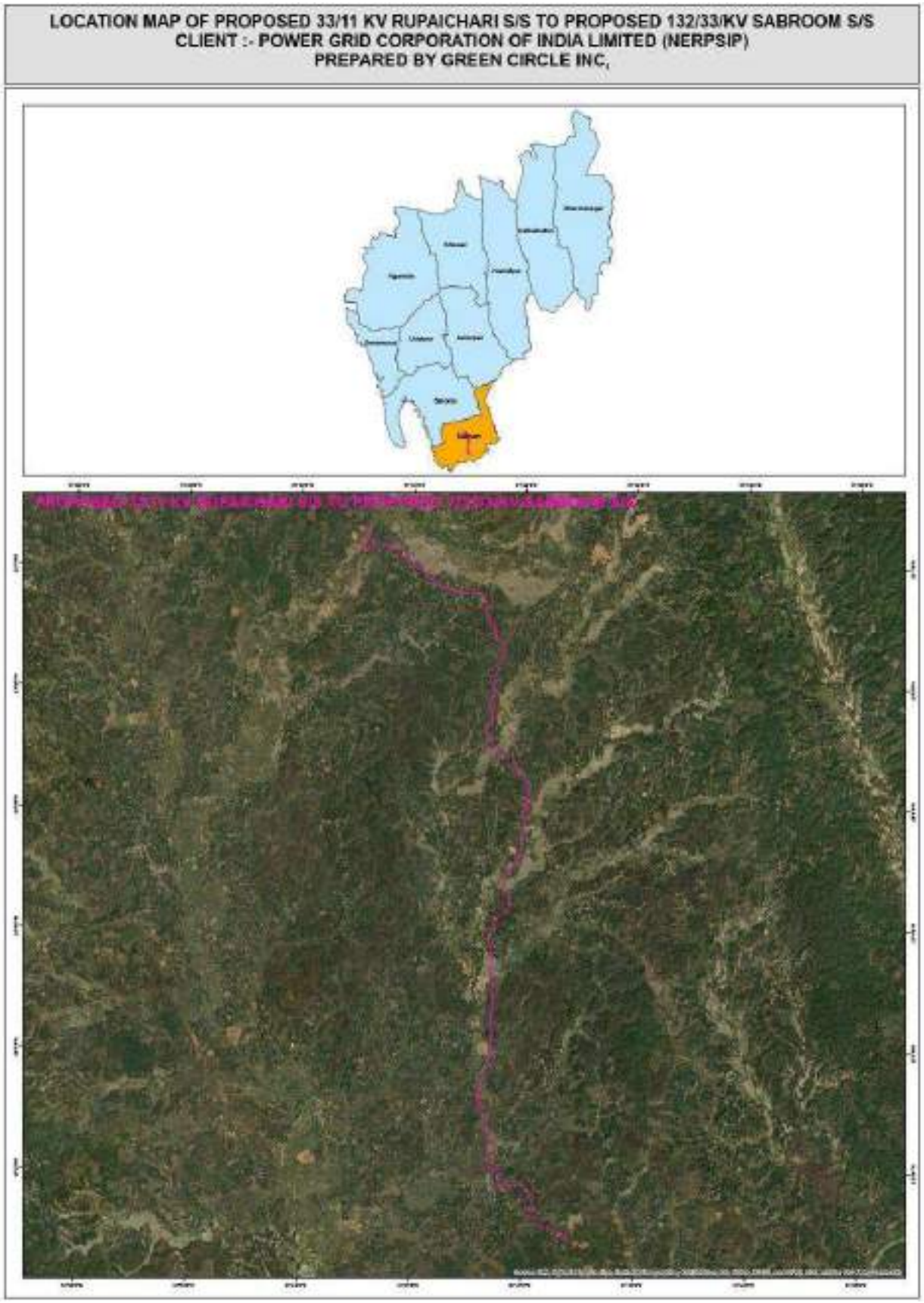
Photographs of the line location are given below:

Figure 52 Photographs of Line Location

DL Route - Pole Location at Mud Road (Left) and Railway Crossing (Right)

DL Route - Pole Location at Tree Crops (Left) and Metal Road (Right)

Figure 53 Google Earth Alignment Map for 33 kV line from Rupaichari 33/11 kV S/S (New) to 132/33 kV Sabroom S/S (New)



4.3.1.18 Feature Details of Final Route Alignment of 33 kV line from Rupaichari 33/11 kV S/S (New) to 132/33 kV Satchand S/S (New)

33 kV line from Rupaichari 33/11 kV S/S (New) to 132/33 kV Satchand S/S (New) covers 12.825 km distance. Total 695 Electric Poles (EP) are proposed in this DL. The DL is finalized after detailed analysis considering the environmental features like forest / PA / river etc. The feature survey along the DL is carried out considering 15 mt ROW width i.e., 7.5 mt on either side from center line of the corridor. Geomorphological studies observed that the geology of project area is majorly having rock structure of shallow younger alluvial layers, moderately dissected Structural hills. Rock type comprises of conglomerate of sandstone and pebble bed Sandstone.

Major part of the DL passes through plain Metal Road (32.44%), rubber plantation (13.42%), Agriculture Land (20.10%), tree crops and groves (3.62%), Vacant Land (3.86%). The DL does not cross any National Highway, Railway Line and Power line. Other than agriculture, this line traverses through pond / lake, Bricks Road, bridge, mud road, etc. The DL route do not involve notified forest land hence do not required forest clearance under Forest (Conservation) Act, 1980. All PA like NP, WLS and designated wildlife / elephant passage have been completely avoided in DL. The landslide study during electric line feature survey and GIS mapping, reveals that the project region is not vulnerable to landslide hazard and flood prone area. The type of hazard for the project site is recorded as earthquake, windstorm and flood.

As per detailed surveys and GIS imagery data ROW is crossing water bodies such as drain, river, pond. DL Crosses Kalapania River between EP 23 and 24 and EP 111 and 112. EP constructed well above the ground level at required elevation to keep the people and animals away from EMF contact. It also prevents the structure getting damaged during flood situation. All the tower locations are easily accessible through existing road to carryout construction and maintenance activity and construction of new approach road is not required.

GIS route survey map and DL feature details are provided in **Annexure A19 & B19.** The major feature details are depicted in **Table 4.21**. The Google earth image of DL is provided in the **Fig 54.**

Table 4-21: 33 kV line from Rupaichari 33/11 kV S/S (New) to 132/33 kV Satchand S/S (New)
Electric Line Feature Details - 15m ROW

Feature Class	Area In Ha.	% of Area
Agriculture Land	2.41	20.10%
Barren Rocky with Scrub Land	0.82	6.88%
Bricks Kilns/Quarry	0.12	1.01%
Bricks Road	0.02	0.13%
Bridge	0.02	0.19%
Drain/Nala	0.02	0.15%
Electric Substation	1.66	13.87%
Fallow Land	0.33	2.72%
Metal Road	3.88	32.44%
Mud Road	0.06	0.48%
Pond/Lake	0.09	0.73%
River	0.05	0.40%
Rubber Plantation	1.61	13.42%
Tree Crops and Groves	0.43	3.62%
Vacant Land	0.46	3.86%
Total	**11.97**	**100.00%**

Photographs of the line location are given below:

Figure 54 Photographs of line Location

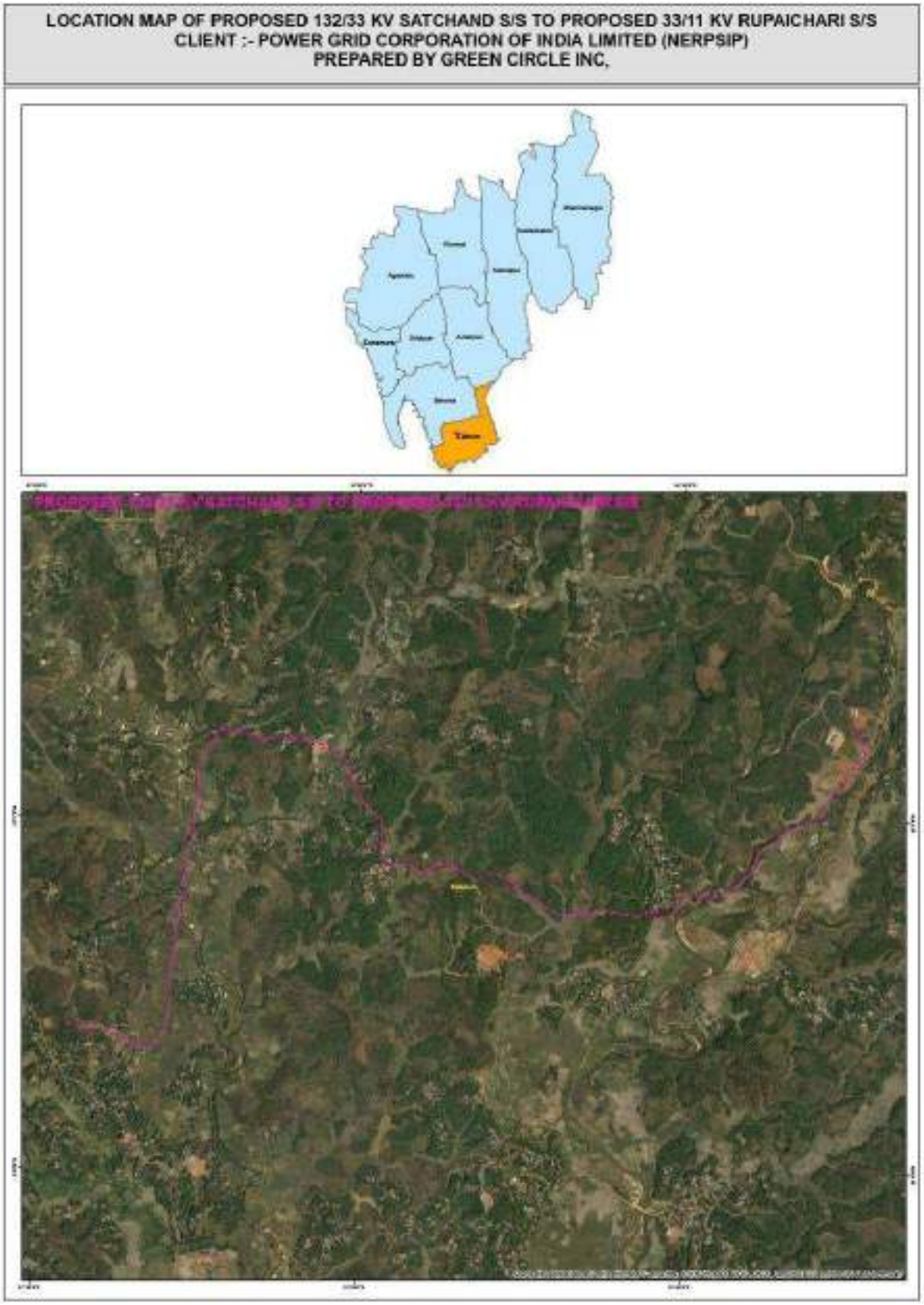
DL Crosses Kalapania River between EP 23 and 24

DL Crosses Kalapania River between EP 111 and 112

33 / 11 kv Satchand Electric Substation Construction Site

DL Route - Pole Location along the Metal Road

Figure 55 Google Earth Alignment Map for 33 kV line from Rupaichari 33/11 kV S/S (New) to 132/33 kV Satchand S/S (New)



4.4.Project Impacts

Based on the project details and the baseline environmental status, potential impacts due to the construction/ bay extension of S/S and along the final route of DLs have been assessed.

4.4.1. Impact of Transmission & Distribution Lines

As per existing law i.e., MoP Guidelines Dated 5th October 2015 for Payment of Compensation for DL, land is not required to acquire for pole footing and ownership of land remains with the owner and is allowed to continue cultivation after construction. So, for all DL acquisition of land or any physical displacement is not applicable. However, as per the present provision in the Section 68 Electricity Act, 2003 and Indian Telegraph Act, 1885 only the damages (without acquisition of subject land) accrued to person while placing the pole and line are to be compensated if any (Section-10 (d) of Indian Telegraph Act).

However, some social impacts due to construction of DL or placing of poles are seen like temporary removal of soil in agriculture land. No loss of standing crops / trees during construction phase is envisaged dur to construction of pole. All mitigation measures as per EMP are implemented by contractor and immediately restored on site as per EMP. Care has been taken by the contractors to avoid unnecessary loss of crops.

4.4.1.1. Land use within Corridor (Right of Way)

Total land occupied by DL ROW is 370.25 Ha. The major land use occupied by DL is Metal Road (140.44 Ha), Vacant Land (35.36 Ha), Rubber Plantation (40.37 Ha), Tree, crops and groves (34.33 Ha), Agriculture Land (30.67 Ha), Waste land (15.52 Ha) etc. Details of land use are provided in **Table 4.21.**

4.4.1.2. Impact on soil and surface geology

The project terrain is mixed. As discussed in the feature studies, almost 50 to 60% portion of project area is in undulating terrain. In plain areas impact on soil & geology is almost negligible as the excavated pit material is back filled as well as used for resurfacing the area.

4.4.1.3. Impact of tower base and pole on land

As per the assessment carried out in Compensation Plan for Temporary Damages (CPTD) by TSECL, in case of 33 kV DL the land required for erection of pole is very small i.e., 1 sq. ft. only. for one pole. Due diligence confirms that land is either agricultural or barren, and current land use is not altered and resumed after construction.

As already explained, the impact of DL is restricted to 1 sq.ft area required for pole construction and agriculture can continue after construction activity is over. The average land area required for erection of one pole for 33 kV D/L is approx. 0.092 sq. mt. Based on this criteria, total land loss estimated for construction 248.268 km of 33 kV DL is 1050.64 Ha proposed under the present scheme. However, the land loss impact is negligible and temporary for pole erection in DL case. Details of land loss for pole base are given in **Table 4.22**.

4.4.1.4. Impact on Crop area / Tree Crops and Groves

Construction of DL in crop season is avoided as far as possible. All the DL installation is along the existing roads. In case when installation of poles impacts on agricultural activity, detailed assessment / survey is conducted looking at existing crops, general crop patterns, seasonal particulars, nature and extent of yield. Wherever necessary, permissions from tea estate owners were taken to erect poles in their agricultural fields. This data is compiled and analyzed to study the extent and nature of impact. In 33 kV DLs, damages are minimal (mostly near bi-pole/quad pole structure) however, 10 m width of corridor is considered for accessing the damages. However, care was taken to reduce the damages to crops and to minimize the impacts whatsoever. DLs actual impact is negligible as no Tree cutting is envisaged in DL. The aspect is discussed in more detail in **section 5.2.1 in Chapter 5**. Also, while construction, fruit bearing season was avoided to prevent loss of crops.

4.4.1.5. Impact on Trees in Forest Area

As we discussed in the earlier sections in the instant case, tree cutting in Forest area is not envisaged in DL sections. However, Forest clearance under Forest Conservation Act 1980 is obtained for the DLs and S/S which are involving notified forest land. The compensatory afforestation is being compiled in double the area of forest which is under progress as prescribed in the specific conditions of Forest Clearances obtained for the lines. In this aspect forest department officials are concerned for the status updates.

4.4.1.6. Other Damages

Major part of DLs is planned along existing roads. Thus, habituated areas and other sensitive areas are purposely avoided to prevent damages. Also, in the instant case based on the actual line study and, there is no possibility of damage to bunds, water bodies etc.

4.4.1.7. Impact Due to Construction of New Substation and Bay Extension

All the S/S are being constructed on vacant lands owned by TSECL, so there is no displacement of people for this project. Therefore, there is no any social impact on the people residing in this area. Minor improvements to paths were made to reach to the new S/S,which is found useful for the local people of the particular area.

4.4.1.8. Impact on Indigenous People

Government of India, under Article 342 of the Constitution, considers the following characteristics to define indigenous peoples [Scheduled Tribes (ST)]:

- tribes' primitive traits;
- distinctive culture;
- shyness with the public at large;
- geographical isolation; and
- Social and economic backwardness before notifying them as a Scheduled Tribe.

Essentially, indigenous people have a social and cultural identity distinct from the 'mainstream' society that makes them vulnerable to being overlooked or marginalized in the development processes. STs, who have no modern means of subsistence, with distinctive culture and are characterized by socio- economic backwardness, could be identified as Indigenous people. Indigenous people are also characterized by cultural continuity. Constitution of India identifies schedule areas which are predominately inhabited by such people. As, this project is directly connected with the life of local people of Tripura, there is no negative impact on indigenous people because of this project. Local people are cooperating project related authorities.

4.4.1.9. Summary of Impacts

Based on the above analysis of final route of T&D lines and location of sub-stations, the summarized environmental & social impact matrix is presented below in **Table 4.23**.

Table 4-22 Table 4-21: Type and Land Use within RoW of Distribution Lines

Type and LandUSe in ROW	Distribution Lines																			
	33 kV Line from 132/33 kV Amarpur S/S (New) to 33/11 kV Dalak S/S (New)	33 kV Line from 33/11 KV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing)	33 kV Line from 132/33 kV Amarpur S/S (New) to 33/11kV Checua S/S (New)	33 kV Line from 33/11 kV Taidu S/S (New) to 33/11kV Checua S/S (New)	33 kV Line from 33/11 KV Taidu S/S (New) to 33/11kV Teliamura S/S (Existing)	33 kV Line from 33/11 kV Maharani S/S (New) to 33/11kV Garjee S/S (New)	33 kV Line from 33/11 kV Maharani S/S (New) to 132/33kV Udaipur (Banduar) S/S (Existing)	33 kV Line from 33/11 kV Chitamara S/S (New) to 33/11kV Garjee S/S (New)	33 kV Line from 33/11kV Karbook S/S (New) - LILO point of Tirthamukh Silachari Line	33 kV Line from 33/11 kV Chitamara S/S (New) to 132/33kV Belonia S/S (New)	33 kV Line from 33/11kV Barpathari S/S (New) to LILO of Belonia-Rajnagar line	33 kV Line from 33/11 kV Ekinpur S/S (New) to 33/11kV Rajnagar S/S (Existing)	33 kV Line from 33/11 kV Moharipur S/S (New) to LILO of Julaibari- Bagafa line	33 kV Line from 33/11 kV Srinagar S/S (New) to 33/11kV Manughat S/S (New)	33 kV Line from 33/11 kV Srinagar S/S (New) to 132/33kV Satchand S/S (new)	33 kV Line from 33/11 kV Srinagar S/S (New) to Tapping point of Belonia- Hryshumukh Line	33 kV Line from 33/11 kV Manughat S/S (new) to 132/33kV Sabroom S/S (new)	33kV Line from 33/11 kV Rupaichari S/S (New) to 132/33kV Sabroom S/S (new)	33kV Line from Rupaichari 33/11 kV S/S(new) to 132/33kV Satchand S/S (new)	
ROW Width (m)	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	
Brick Road	0.15	0.02	0.33	0.19	0.04	0.03	0.01	0.05		0.01	0.02	0.01	0.01	0.04	0.03	0.01	0.04	0.27	0.02	**1.28**
Electric SS	1.62		1.72	0.40	1.29	0.28	1.43	0.88	0.89	2.08	0.10	0.75	0.11	0.13	0.81	0.66	1.51	1.67	1.66	**17.99**
Agriculture land	1.35	0.92	2.74	0.86	0.17	0.80	0.90	2.30		1.16	0.53	2.16	1.36	0.96	1.22	5.78	3.16	1.89	2.41	**30.67**
Vacant Land	2.16	1.22	3.22	3.24	0.72	3.62	1.78	2.78	0.13	2.64	1.99	3.73	1.39		0.80	1.87	1.87	1.74	0.46	**35.36**
Tree Crops and Groves	3.36	1.17	3.86	2.25	2.18	0.76	0.55	1.22		1.97	2.10	3.24	2.02	0.33	1.56	2.87	2.27	2.19	0.43	**34.33**
Play Ground															0.04					**0.04**
Pond /Lake	0.11	0.23	0.47	0.14		0.35	0.24	0.41		0.28	0.07	0.24	0.30	0.05		0.41	0.16	0.17	0.09	**3.73**
Barren /Rocky / scrub land		0.13	0.82				1.38	1.08			0.59	0.16		2.22	0.26	0.46	0.47		0.82	**8.39**
Tree Plantation					0.03								0.04							**0.07**
Brick Kilns / Quarry		0.36	0.38								0.01							0.13	0.12	**1.00**
Park						0.09				0.08							0.04			**0.21**
Car Track				0.02																**0.02**
Food Godown									0.89											**0.89**
Bridge	0.03	0.08		0.18		0.02	0.01	0.07		0.04		0.02	0.01	0.07	0.02	0.07	0.03		0.02	**0.67**
Railway								0.06							0.10					**0.16**
Metal Road	8.06	4.41	11.09	7.74	9.48	9.28	3.44	12.51		5.37	4.29	9.92	3.37	9.97	10.41	9.87	8.89	8.46	3.88	**140.44**
Fallow Land					0.17	2.43		0.65			1.19	0.52	0.81	0.16	4.45	0.92	1.51	1.25	0.33	**14.39**
Mud Road	0.12	0.08	0.15	0.13	0.06	0.11	0.08	0.25		0.04	0.01	0.10	0.09	0.06	0.12	0.10	0.14	0.12	0.06	**1.82**
Culvert															0.01					**0.01**
River	0.09	0.03	0.09	0.06		0.02		0.07		0.07			0.02	0.07			0.04		0.05	**0.61**
Waste Land	1.46	1.29	0.83	1.30		0.76	0.36	2.10		1.43	0.33	0.58	0.30	2.76			0.76	1.25		**15.52**
Wet Land																0.12				**0.12**
Drain /Nala	0.03	0.02	0.01	0.01		0.06	0.01			0.01	0.01	0.02	0.03	0.07	0.04	0.09	0.24	0.09	0.02	**0.76**
Rubber Plantation/Orchards	3.52	1.94	4.98	5.10	0.08	3.54	0.21	5.63		1.00	0.93	2.97	0.11	1.94	1.94	0.35	0.29	4.23	1.61	**40.37**
Hill Open Forest	1.02		0.34	2.34	6.48									1.29	5.43					**16.90**
Hilly Dense Forest														4.41						**4.41**
Canal						0.02	0.03						0.01			0.04				**0.10**

Table 4-23: Estimation of Actual Land Loss Because of Pole Base

Sr. No.	Details of Power Line	Length in km	Total Poles	Land Loss per Pole (sq m)	Total land loss area for pole base (sq m)
A.	**Distribution Line Network**				
1	33 kV Line from 132/33 kV Amarpur S/S (New) to 33/11 kV Dalak S/S (New)	14.332	635	0.092	58.42
2	33 kV Line from 33/11 KV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing)	7.932	324	0.092	29.808
3	33 kV Line from 132/33 kV Amarpur S/S (New) to 33/11kV Checua S/S (New)	19.765	806	0.092	74.152
4	33 kV Line from 33/11 kV Taidu S/S (New) to 33/11kV Checua S/S (New)	16.215	815	0.092	74.98
5	33 kV Line from 33/11 KV Taidu S/S (New) to 33/11kV Teliamura S/S (Existing)	13.401	750	0.092	69
6	33 kV Line from 33/11 kV Maharani S/S (New) to 33/11kV Garjee S/S (New)	20.104	549	0.092	50.508
7	33 kV Line from 33/11 kV Maharani S/S (New) to 132/33kV Udaipur (Banduar) S/S (Existing)	6.14	336	0.092	30.912
8	33 kV Line from 33/11 kV Chitamara S/S (New) to 33/11kV Garjee S/S (New)	15.9	578	0.092	53.176
9	33 kV Line from 33/11kV Karbook S/S (New) -LILO point of Tirthamukh Silachari Line	0.14	13	0.092	1.196
10	33 kV Line from 33/11 kV Chitamara S/S (New) to 132/33kV Belonia S/S (New)	9.539	500	0.092	46
11	33 kV Line from 33/11kV Barpathari S/S (New) to LILO of Belonia-Rajnagar line	9.627	359	0.092	33.028
12	33 kV Line from 33/11 kV Ekinpur S/S (New) to 33/11kV Rajnagar S/S (Existing)	15.978	767	0.092	70.564
13	33 kV Line from 33/11 kV Moharipur S/S (New) to LILO of Julaibari- Bagafa line	15.683	569	0.092	52.348
14	33 kV Line from 33/11 kV Srinagar S/S (New) to 33/11kV Manughat S/S (New)	16.223	989	0.092	90.988
15	33 kV Line from 33/11 kV Srinagar S/S (New) to 132/33kV Satchand S/S (new)	17.644	947	0.092	87.124
16	33 kV Line from 33/11 kV Srinagar S/S (New) to Tapping point of Belonia-Hryshumukh Line	15.329	702	0.092	64.584
17	33 kV Line from 33/11 kV Manughat S/S (new) to 132/33kV Sabroom S/S (new)	12.825	695	0.092	63.94
18	33kV Line from 33/11 kV Rupaichari S/S (New) to 132/33kV Sabroom S/S (new)	14.578	758	0.092	69.736
19	33kV Line from Rupaichari 33/11 kV S/S(new) to 132/33kV Satchand S/S (new)	6.913	328	0.092	30.176
	Total A	**248.268**	**11420**		**1050.64**

Table 4-24 Summary of Impacts

Sr. No.	Parameters	Extent of Impact	
1.	Total Line Length	Distribution line: 248.268 km	
2.	Total No. of Poles	DL Poles: 11420	
3.	Terrain	Plain and hilly (50 to 60 %) DL is planned along the existing roads. All S/S are constructed/ augmented are in plain areas. However, at all S/S locations, provisions for revetment like retaining wall, boundary wall, breast walls, and proper drainage and sewerage system etc. have been made. All safety measures like fire wall, fire extinguishers, etc. are provided.	
4.	Forest land transverse	DL 33 kV Line from 33/11 KV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing) has 2.67 Ha UGF	Stage-I obtained on 17.06.2021.
		33 kV Line from 33/11 kV Moharipur S/S (New) to LILO of Jolaibari- Bagafa has 18.19 Ha UGF and RF	Stage-I obtained on 17.06.2021
		33 kV Line from 33/11 KV Taidu S/S (New) to 33/11kV Teliamura S/S (Existing) has 5.1 Ha of RF	Stage-I issued on 05.05.2021
		Substations 33/11kV Barpathari S/S has 0.2209 Ha of Trishna WLS RF and 33/11 kV Ekinpur S/S has 0.1962 Ha of RF, forest clearance under FC Act 1980 is applicable in instant case.	Substations For Barpathari 33 kV S/S Stage-II clearance (conditional) issued on 18.03.2021. Working permission issued on 10.05.2021 National Board for Wildlife (NBWL) permission for Trishna WLS is obtained on 17.12.2019 For Ekinpur 33 kV S/S Stage-II clearance obtained on 12.10.2020
5.	Rare/Endangered flora	Pterocarpus marsupium is vulnerable species and Aegle marmelos is near threatened species as per Conservation Status IUCN (2020.1).	
6.	Rare/ endangered fauna	No rare/endangered fauna habitat found in project area.	
7.	Total trees to be cut	Not envisaged	
8.	Cleaning jungles of rank vegetations, grass, brush, wood , tree and saplings of girth up to 30 cm	Not envisaged	
9.	Migrating Wildlife/ breeding ground	NA	
10.	NP / WLS	No protected areas involved in DL However, 33/11 kV Barpathari S/S is coming in Trishna WLS. (0.2209 RF of Trishna WLS Area). National Board for Wildlife (NBWL) permission obtained on 17.12.19.	
11.	Notified Wet land traversed	None	
12.	Soil erodibility	NA	
13.	Historical / Cultural monuments	None	
14.	Relocation of villagers	None	
15.	Affected Structures	NA	
16.	Total Affected People	NA	
17.	Relocation of Villagers	NA	
18.	Area of actual land loss under Pole Base	1050.67 Sq. Mt under pole base	
19.	Affected Structures	Nil	
20.	Temporary Damage to Crop	Temporary loss is observed during construction time. It can be recovered later	
21.	Loss/ Hindrance to Public Utilities	Negligible, restricted to construction phase only.	

5. POTENTIAL ENVIRONMENTAL IMPACTS,THEIR EVALUATION AND MANAGEMENT

5.1.Introduction

Environmental impacts of Transmission & Distribution (T & D) projects are not far reaching and are mostly localized to Row (refer **Table- 5.1**). Moreover, the actual impact and area of influence is restricted to 1.52 meters only in single pole as there is hardly any sag and therefore swing of conductor is also negligible. These 33 kV lines are drawn mostly on single pole but in case of turning/angle the H type pole is used for safety purpose where area of influence/impact may increase up to 3.1 meters. In addition to this, safety provisions like guard wire are also provided to arrest sudden fall of conductor due to snapping which also help in avoiding accidents and possible electrocution including that of wildlife. All possible impacts of distribution lines up to 33 kV voltage can be further minimized by careful route selection. In order to get latest information and further optimization of route, modern survey techniques/tools like GIS, GPS are also applied. Introduction of GIS and GPS in route selection result in access to updated/latest information, through satellite images and further optimization of route having minimal environmental impact. Although, all possible measures have been taken during the finalization of route alignment for the proposed lines but due to peculiarity of terrain and demography of the area where subprojects are being implemented, some environmental impacts may be there. The explanations in brief with regard to specific environment review criteria based on preliminary survey are as follows:

Table 5-1: RoW Width & Clearance between Conductors and Trees

Transmission Voltage	Max. RoW (In meters)	Min. Clearance (in Meters) between conductor & Trees
33 kV	15	2.8

As per IS: 5613 and MoEF&CC guidelines finalized in consultation with CEA

5.2.Impact Due to Project Location and Design

5.2.1. Resettlement

During line routing stage itself all measures have been undertaken to avoid settlements such as cities, villages etc. in line with the guiding principle of avoidance as per ESPPF. During detail survey modern techniques/tools like GIS, GPS, and aerial photography were utilized to further optimization the final route alignment avoiding human habitation and other ecological and socially sensitive areas.

In present project construction of total 14 New S/S is under execution. The details are given in **Table 2.30 in Chapter 2 Section 2.6**. In general requirement of land area for S/S varies from 0.3 acres (for 33 kV) to 10 acres depending upon voltage levels and no. of bays. In the instant scheme, TSECL does not need to acquire lands for new S/S as well as for augmentation of existing S/S as TSECL already possess land for all proposed new S/S except 33/11 kV Barpathari S/S and 33/11 kV Ekinpur S/S. Barpathari S/S is located in Trishna WLS and prior permission from MoEFCC and NBWL is obtained. It may be noted that land for Taidu substation was a donated land and also in possession of TSECL long before project preparation stage. However, due to demise of donor of the land his family members didn't allow POWERGRID to start construction activity demanding land compensation. In line with SMF provisions in ESPPFs, TSECL/POWERGRID has agreed to provide compensation in lieu of donated land and land compensation shall be paid based on the land valuation assessment done by revenue

authority which is presently under progress. Ekinpur is located in RF and prior permissionis obtained from MoEFCC. **Please refer Annexure 6 for the permission granted fromMoEFCC and NBWL**. As no fresh land is needed to be acquired for these S/S, issue related to acquisition of land including possible R&R is not envisaged. The details are also discussed in **Chapter 2 in section 2.6 and Chapter 4 under heading 4.2.3**.

In respect of land requirement for erection of DL / poles, no permanent acquisition is envisaged. Land for tower and ROW is not acquired as agricultural activities can continue.

As described earlier, all measures are undertaken by TSECL at the line routing stage itself to avoid settlements such as cities, villages etc. It may be seen from the above description of proposed route alignments and also keeping in mind that no permanent acquisition of land is involved for tower foundation as per existing law, these subprojects don't require any resettlement of villagers. However, some temporary damages/ disturbances can happen. Same are being compensated by the project under CPTD to minimize the damages and provide compensation plan for temporary damages in consultation with the GoT and PAP and/ or community.

The project is being implemented in the tribal areas governed by TTAADC as per the provisions of Sixth Schedule of the Indian Constitution. It may be noted that all social issues shall be dealt separately in accordance with the provisions of Social Management Framework (SMF, A-C), placed in the ESPPF of TSECL.

5.2.2. Land value depreciation

The electric power acts as a catalyst for the growth and development of areas having accessibility to it. Based on previous experiences, land prices are generally expected to rise in the areas receiving power. In the present project, DLs pass through agriculture fields, private plantation area where the land-use is not going to change in foreseeable future. Therefore, the value of land is not adversely affected to a significant degree. Moreover, DLs are primarily intended to provide power supply to populated area which boosts the economic status as well as land price of the area, thus, outweighing possible negative impacts, if any.

5.2.3. Historical/cultural monuments/value

As per the policy of route selection, only that route alignment is finalized which avoids all the historical and cultural monuments. As per the preliminary assessment carried out during finalization of route alignment in consultation with State revenue authorities and Archaeological Survey of India (ASI), no such monuments are coming in the proposed route alignments. Moreover, utmost care to be taken during detailed survey to avoid such areas. Also, the chance found procedure is already considered in the procedures.

5.2.4. Encroachment into precious ecological areas

As explained in **Chapters 2 in section 2.4.5 and Chapter 4 in section 4.2 during DL planning** all precautions have been taken right from planning stage to avoid routing of line through forest and PA like NPs/WLS. In spite of taking due care during route selection, involvement of some forest area could not be avoided completely. Moreover, protected areas like wildlife sanctuary, national parks, biosphere reserves etc. have been avoided completely. However, reference in EMP is maintained to address the issues in case of any eventuality / chance found condition. Earlier as identified in IEAR there was forest are of 22.5 Ha involvement only in 33 kV DL from

33/11 kV Chitamara S/S (New) to 33/11kV Garjee S/S (New) and the same was passing through core of Trishna WLS. However, after meticulous exercise and realignment no forest is involved now in this line. The other three lines which were not involving forest area as per earlier IEAR, now involves forest area due to realignment. The description is as below;

Table 5-2 Distribution Lines

Sr. No.	Distribution Line / Substation	Forest Area in Ha	PA Impacted	MoEFCC Clearance Status
Distribution Lines				
1	33 kV Line from 33/11 KV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing)	2.67 Ha UGF	No	➢ Earlier there was no forest was involved in this DL. Due to diversion of line route for some forest stretches were unavoidable.
2	33 kV Line from 33/11kV Moharipur S/S (New) to LILO of Jolaibari-Bagafa	18.19 Ha UGF and RF	No	➢ Earlier there was no forest was involved in this DL. Due to diversion of line route for some forest stretches were unavoidable.
3	33 kV Line from 33/11 KV Taidu S/S (New) to 33/11kV Teliamura S/S (Existing)	5.1 Ha of RF	No	➢ Earlier there was no forest was involved in this DL. Due to diversion of line route for NH expansion some forest stretches were unavoidable.
4	33 kV DL from 33/11 kV Chitamara S/S (New) to 33/11kV Garjee S/S (New)	--	No	➢ Earlier there was forest area of 22.5 Ha of RF involved in the DL. However due to realignment study no forest is involved in the ROW in the current scenario.

The proposed DLs are not passing through any PA like NP, WLS, IBAs, conservation reserves, community reserves and biosphere reserves, etc., as all such areas have been completely avoided through alternative alignment analysis and meticulous route selection33 kV Rajnagar-Ekinpur DL alignment is passing at a distance of 0.150 km away from the Trishna WLS core boundary. 33 kV Jatanbari Dalak DL is at 7.10 km from Gumti WLS boundary and 10.12 km from Gumti Wetland. **The Maps are shown in Annexure 3**. As confirmed by Wildlife Warden of Trishna Sanctuary Bison migration/ movement is confined to Trishna core which is quite far from proposed route alignment of 33 kV Rajnagar-Ekinpur line and 33 kV Garjee - Chitamara line and no Bison has ever been reported from project area. The consolidated Map of PA with respect to FEAR IV Project is depicted. No ecologically sensitive areas are getting adversely impacted due to project interventions because of DL.

Details of forest involvement in different lines are presented in **Table No.5.2.** Thus, the potential impacts on Wildlife nullified in case of DL. Along with this ESPPF is strongly followed by IA during execution of project work.

Table 5-3: Details of Forest Involvement

Sr. No.	Distribution Line / Substation	Forest Area in Ha	PA Impacted	MoEFCC Clearance Status
Substations				
1	33/11kV Barpathari S/S	0.2209 Ha of RF	Trishna WLS	➢ Stage-I clearance received on 04.03.2020. ➢ Stage-II clearance (conditional) issued on 18.03.2021. ➢ Working permission issued on 10.05.2021 ➢ National Board for Wildlife (NBWL) permission for Trishna WLS is obtained on 17.12.2019

2	33/11 kV Ekinpur S/S	0.1962 Ha of RF	No	➢ Stage-I clearance received on 02.04.2020 ➢ Stage-II clearance obtained on 12.10.2020

It may be seen from the above table that out of total DL length of 248.268 km about 15 km shall pass through forest. Forest Clearance is obtained under Forest (Conservation) Act, 1980. Please see **Table 5.2**.

The compensatory afforestation for 33 kV Line from 33/11 KV Taidu S/S (New) to 33/11kV Teliamura S/S (Existing) is being raised and maintained by Forest department over the double area i.e., 10.22 Ha in two locations of degraded forest land identified i.e. 2.5 Ha in C.S. Ploy No. 736 & 791, Khatian No. 2/11, 2/4, Teliamura Range, Khowai District and 7.72 Ha in C.S. Plot No. 1402, Khatian No. 2/80, Gamaichharra, Amarpur Sub-division, Gomati District of Tripura. Other Clearances and NOCs under FRA 2006 are being complied with. Funds required for Compensatory plantation to Forest Department are arranged by TSECL / IA. All the other stipulated conditions in the clearance copy are followed strictly. The copy of MoEFCC clearance for 33 kV Line from 33/11 KV Taidu S/S (New) to 33/11kV Teliamura S/S (Existing) is depicted in **Annexure 6**.

The compensatory afforestation for 33 kV Line from 33/11 kV Moharipur S/S (New) to LILO of Jolaibari- Bagafa is being raised and maintained by Forest department over the double area in three locations of degraded forest land identified i.e. 5.30 Ha in C.S. Plot No. 1514, 1517, 1661 of Khatian No. 4/132 and 4/135 of Bormura Deotamura RF in Kalukia Range, 24.28 Ha in C.S> Plot No. 1665 of Khatian No. 4/133 of Bormura Deotamura RF in Kalukia Range and 7.81 Ha in C.S. Plot No. 1363 – 1369 of Khatian No. 2-64, 2-66, 2-69, Mouja Gamaichhara, Ampi Sub Division of Gomati District of Tripura. Other Clearances and NOCs under FRA 2006 are being complied with. Funds required for Compensatory plantation to Forest Department are arranged by TSECL / IA. All the other stipulated conditions in the clearance copy are followed strictly. The copy of MoEFCC clearance for 33 kV Line from 33/11 kV Moharipur S/S (New) to LILO of Jolaibari- Bagafa is depicted in **Annexure 6**.

The compensatory afforestation for 33 kV Line from 33/11 KV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing) is being raised and maintained by Forest department over the double area i.e., 5.41 Ha in a single patch of degraded forest land identified in C.S. Plot No. 1400, 1402, of Khatian No. 2, 2-80 of Mouja Gamaichhara, Ampi Range in Amarpur Sub Division of Gomati District of Tripura. Other Clearances and NOCs under FRA 2006 are being complied with. Funds required for Compensatory plantation to Forest Department are arranged by TSECL / IA. All the other stipulated conditions in the clearance copy are followed strictly. The copy of MoEFCC clearance for 33 kV Line from 33/11 KV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing) is depicted in **Annexure 6**.

The compensatory afforestation for 33 kV Barpathari S/S is being raised and maintained by Forest department over the double area i.e., 0.44 Ha in a single patch of degraded forest land identified in Tulatali Bari RF, Rangamura Range, Trisha Forest Division, South District of Tripura. Other Clearances and NOCs under FRA 2006 are being complied with. Funds required for Compensatory plantation to Forest Department are arranged by TSECL / IA. All the other stipulated conditions in the clearance copy are followed strictly. The copy of MoEFCC clearance for 33 kV Barpathari S/S is depicted in **Annexure 6**.

The compensatory afforestation for 33 kV Ekinpur S/S is being raised and maintained by Forest department over the double area i.e., 0.4 Ha in a single patch of degraded forest land identified

in C.S. Plot No. 681, Khatian No. 3/12 of Mouja-Nidaya under district Forest Officer, South District of Tripura. Other Clearances and NOCs under FRA 2006 are being complied with. Funds required for Compensatory plantation to Forest Department are arranged by TSECL / IA. All the other stipulated conditions in the clearance copy are followed strictly. The copy of MoEFCC clearance for 33 kV Ekinpur S/S is depicted in **Annexure 6**.

It may also be noted that the user agency/ IA has no role in taking compensatory afforestation activity except deposition of CA cost to forest dept/CAMPA rather it is the forest dept responsibility to undertake the plantation as per CA scheme. IA has already deposited requisite cost against aforesaid CA. All these aspects are integral part of forest clearance process and is available on Parivesh:

The exercise is completed through detail survey and finalization of route through forest area in consultation with local forest authorities as per well-established forest clearance process described in ESPPF. As per the initial study/assessment most of the forests to be traversed by the subject lines are categorized as RF and found to be in various degree of degradation and even the wildlife species present are those who have adapted to open or disturbed habitat. It has also been confirmed by forest department that the plantation of *Tectona grandis, Shorea robusta, Terminallia bellirica* species have been carried out during last decade to enhance the density and quality of forest. Nonetheless, to mitigate losses to existing forests, clearing of the DL ROW is planned under supervision of forest department, and some low canopy seed trees and shrubs are kept intact which are not interfering with tower erection and line installation. The extracted wood is being sold by the forest department under the process of auction following prescribed guidelines in FC Act 1980. Three-meter-wide strips of land below each conductor is cleared during construction and one such strip is kept free of vegetation for maintenance purpose and regeneration up to certain height in remaining width of RoW is allowed after construction activity.

DL can serve as new access routes into previously inaccessible or poorly accessible forests, thereby accelerating forest and wildlife loss. In such cases, TSECL cannot take action itself, but local Forest Department personnel normally assess the dangers and take appropriate action, such as establishing guard stations at the entrance to the forest etc. cost of which is borne by TSECL. Given the already easy access and degraded conditions at the proposed subprojects sites, this problem is not expected to be encountered. Nonetheless, TSECL staff will report to the Forest Department any noticeable encroachment induced by the Projects in such situation.

The tree cutting in non-forest area was avoided during construction activities at S/S locations and at DLs. Trees are only trimmed (If required only) to maintain electrical safety clearance. During land development prior to construction of substation shrubs/trees on the plot are cleared that create hindrance to work. Mostly pruning/looping is done to maintain electrical clearance. There is no compensatory plantation against tree felling in non-forest land. However, compensation is paid to farmers/owners after assessment of actual damage duly certified by revenue/forest/horticulture/rubber board authority as per provisions of for Tree Extraction vide notification No.F.7 (44)/For/FP-200 I/PT11/29.042 dated 17.01.2002 and The Electricity Act, 2003 & The Indian Telegraph Act, 1885. However, in DL no tree cutting in Non-forest area is envisaged as discussed earlier.

Figure 56 **Example of Pole erection where Tree is Prevented from Cutting**

5.2.5. Lines into other valuable lands

Total land occupied by DL ROW is 370.25 Ha. The major land use occupied by DL is Metal Road (140.44 Ha), Vacant Land (35.36 Ha), Rubber Plantation (40.37 Ha), Tree, crops and groves (34.33 Ha), Agriculture Land (30.67 Ha), Waste land (15.52 Ha) etc. Details of land use are provided in **Table 4.21.**

MoP, GoI issued guidelines for payment of compensation towards damages in regard to ROW for TL only on October 15, 2015, stipulating payment of 85% of land value for tower base area (between four legs) and compensation towards diminution of land value in the width of RoW corridor subject to a maximum of 15% of land value. **Please Refer Annexure 7**. However, these guidelines are not adopted by GoT till date, hence the existing practice of 100% land cost for tower base are being implemented. The letter was issued to TSECL regarding adoption of MoP, GoI Guidelines for payment of compensation towards damages in regards to RoW for TLs vide ref. NEAGT/NERPSIP- 102/2017-18/212 dated 15/05/2018. **Please Refer Annexure 8**.

TSECL intimated POWERGRID that GoT has decided for continuing with the prevailing practice of payment of compensation towards damage in regards to RoW for TLs. Please **Refer Annexure 9.** In the instant project, since only construction of DL involved which are mostly routed along with existing road possibility of clear failing of tree will be Minimum. However praning/loping of tree will be done to maintain the electrical safety.

As described earlier **in section 4.4.1 and 5.2.1** all measures are undertaken by TSECL at the line routing stage itself to avoid settlements such as cities, villages etc. It may be seen from the above description of proposed route alignments and also keeping in mind that no permanent

acquisition of land is involved for tower foundation. As per existing law, these subprojects don't require any resettlement of villagers. However, some temporary damages/ disturbances can happen. Same are being compensated under CPTD which is developed to minimize the damages and provide compensation plan for temporary damages. This is executed in consultation with the GoT and affected persons and community. As per existing laws and CPTD compensation for all damages (land / tree / crop) paid to the individual land owner. Budgetary provision of **Rs. 108.65 lakhs** have been made in the cost estimate to meet these expenses if occurred in worst case scenario. **Refer Annexure 10.**

Agricultural activities are allowed to continue following the construction period. If bunds or other on-farm works are disturbed during construction or maintenance, they are restored to the owner's satisfaction following cessation of construction or maintenance activities.

5.2.6. Interference with other utilities and traffic

As per regulations enacted by GoI, it is mandatory for TSECL to seek clearance prior to construction from department of Railways, Telecommunications and wherever necessary from aviation authorities that are likely to be affected by the construction of DL. The DL affect nearby telecommunication circuits by causing electrical interference. A standing committee -- Power Telecom Co-ordination Committee (P.T.C.C.) has been constituted by GoI to plan and implement the mitigating measures for the induced voltage which may occur to nearby telecomcircuit and suggested necessary protection measures has to be adopted. The committee suggests measures like rerouting of the telecom circuits, conversion of overhead telecom circuits into cables etc. to minimize the interference. Accordingly, NOC from Ministry of Aviation, P.T.C.C NOCs are obtained.

National Highway – 44 is the main approach road, which connects the construction sites including the proposed S/S through various state highways, district roads and village roads. It connects Shillong, the state capital of Meghalaya with Sabroom, near India-Bangladesh in Tripura, passing through Agartala. It runs for a distance of 630 km, of which 184 km is in Meghalaya, 111 km is in Assam and 335 km (208 mi) is in Tripura. NH-44 is also the only National Highway that links Tripura state capital Agartala with the rest of the Seven Sister States. The volume of traffic on the NH- 44 is quite low. It may be judged from the fact that this Tripura portion of NH-44 from Churaibari to Sabroom near Bangladesh border was decided to be upgraded to 4 lanes by National Highway Authority of India (NHAI) in 2007. However, due to low density of traffic, it has now been taken up for 2 lanes instead of 4 lanes as decided earlier. Therefore, the instant project do not expect any steep rise in volume of traffic due to mobilization and vehicle movements during construction and maintenance period.

Wherever DL crosses the railways, clearance is taken from that department. In general, the system is planned and executed in such a way that adequate clearance is maintained between DLs on the one hand, and railways, civil aviation and defense installations on the other. Wherever the DLs pass by the airports the towers beyond specified height are painted in alternate orange and white stripes for easy visibility and warning lights are placed atop these towers.

5.2.7. Interference with drainage pattern

As the DLs are constructed aerially and the blockage of ground surface is limited to very small area of tower footings, there is little possibility of affecting drainage pattern in case of poor management during construction. In the instant case well planned EMP is designed and it is

mandatory for contractor to follow the clauses with site specific implementation plan.

5.2.1.1 Poles and drainage pattern

Moreover, the DLs proposed under the subject don't not involve any tower to be placed in river beds for river crossing. However, management measures as specified in **EMP (refer clause - 5 & 12)** like appropriate siting of towers are undertaken during detailed alignment survey and design to avoid any incidence of flooding hazards of loss of agricultural production due to interference with drainage patterns or irrigation channels. In the infrequent instances where the natural flow/drainage is affected, flow is trained and guided to safe zones. The erection of pole is proposed above ground level at desired elevation to avoid flood situation and flood impacts. The **Annexure A** for GIS maps reveal that the project is planned with suitable elevation above ground level. To avoid any interference, DC towers are being used instead DB tower as single span limit is crossed in the stretches where DL is crossing river; cross-arm strengthening has been suggested.

5.2.1.2 Substations and drainage pattern

Since all proposed S/S are located mostly in plane terrain no effect on drainage of the area is envisaged. All the S/S are having systematic and adequate arrangement of drainage system right from design stage and are implemented on site. All drainage channels along or inside S/S are being trained and connected to main or existing drainage to avoid any erosion due to uncontrolled flow of water. Retention wall / boundary wall are proposed and being constructed at S/S locations. The actual site photos are shown in **section 5.4.1.** The sample drainage layouts are given in the **Annexure 11**.

5.2.8. Impact Due to Project Location and Design

5.3.Escape of polluting materials

The equipment installed on lines and S/S are static in nature and do not generate any fumes or waste materials. However, detailed specification with respect to equipment design and S/S drainage and sewage design has been included in tender document to avoid any incidence of land and water contamination. Transformers have been designed with oil pit and spill containment systems having sump of capacity of 200% of oil volume of largest transformer, and purpose-built oil, lubricant and fuel storage system, complete with spill cleanup equipment. Hazardous Waste Management compliances are followed at each S/S. S/S is also equipped with drainage and sewage disposal systems to avoid offsite land and water pollution. Apart from this, solid waste like packing materials, cables, aluminum conductor, sand, aggregate material, cements and steel generated during construction is carefully handled and removed from the sites periodically to avoid any contamination. Also, the system helps in avoiding accidents through contamination, spills and fire.

Figure 57 Site Photographs

Drainage System Development at 132/33 kV Satchand S/S

Drainage System Development at 132/33 kV Sabroom S/S

Transformer Erection with Oil Pit at 132/33 kV Satchand S/S

Transformer Erection with Oil Pit at 132/33 kV Sabroom S/S

Air Cell Installed at 132/33 kV Satchand S/S

5.3.1. Explosion/fire hazards

It may be noted that sub-stations are being constructed on the land provided by TSECL after considering all the risks and after following ESPPF. During the survey and site selection for DLs, and S/S, it has been ensured that these are kept away from oil/gas pipelines and other sites with potential for creating explosions or fires. Fires due to flashover from lines can be a more serious problem in forest. However, adequate safety measures are taken to avoid such incidence and has been included in **EMP (refer clause - 15, 23 & 51).** Besides this forest authorities also incorporate measures like making fire lines to prevent spreading of fire in the affected forest area. Apart from this, state of art safety instruments like automatic tripping system is installed in the S/S on both the ends so that line gets tripped within milliseconds in case of any fault. Firefighting instruments including fire extinguishers are kept in appropriate place for immediate action in case of any fire hazard. Firefighting system is well adopted along with general requirements and fire safety requirements. All the measures are implemented at all the S/S locations. The details of Firefighting system are given in **Annexure 12**.

Figure 58 Transformer Foundation with Fire Wall at 132 kV Bagafa S/S

5.3.2. Erosion hazards due to inadequate provision for resurfacing of exposed area

Construction of 132kV line involves only small-scale excavation of area i.e., 3m L x 3m W x 3m H for tower footing that may result in generation of 108 m^3 of excavated material from each tower. In case of 132/33 kV S/S foundation, excavation of soil to the tune of 7500 m^3 is required depending on site condition. Similarly, in case of 33 KV line, soil excavation is limited to 0.72 m^3 for each pole, and for 33/11 KV S/S, excavation of around 2000 m^3 is required. It is estimated that a total of approximately 41722.4 m3 (7500X1 + 11420 x 0.72 + 13 X 2000) of excavated materials is expected to be generated for construction of 11420 numbers of DL Poles,1 no of 132/33 KV S/S and 13 numbers of 33/11 KV S/S proposed under present scheme. Moreover, the topsoil disturbed during the development of sites are stored properly and usedto restore the top surface of the platform. Left over infertile and rocky material being used as fill for foundations and leveling / backfilling as detailed out in EMP (refer clause - 25, 26 & 28).Hence, possibility of erosion of exposed area due to construction activity is negligible.

5.3.3. Environmental aesthetics

Since spacing between each EP in case of 33/11 kV DL is approximately 100 mt. This will not affect the visual aesthetics of the localities particularly when it is ensured to route the lines as far as away from the localities. TSECL takes up plantation of trees to buffer the visual effect around its S/S and to provide better living conditions. Wherever TSECL feels it appropriate, discussions are held regularly with local Forest Department officials to determine feasibility of planting trees along roads running parallel to DLs to buffer visual effect in these areas. In addition, towers may be painted grey or green to merge with the background.

5.3.4. Noise/vibration Nuisances

The equipment installed at S/S are mostly static and are so designed that the noise level always remains within permissible limits i.e., 85 dB as per Indian standards. The noise levels reported during normal operating conditions are about 60 to 70 dB at 2 m. distance from the equipment. To contain the noise level within the permissible limits whenever noise level increases beyond permissible limits, measures like providing sound and vibration dampers and rectification of

equipment are undertaken. In addition, plantations of sound absorbing species like Casuarinas,

Tamarind, and Neem are raised at the S/S that reduce the sound level appreciably. DG set with proper enclosures is part of equipment specification/ design criteria. Some noise is unavoidable during construction phase like noise produced by concrete mixing equipment and excavators which are temporary and only in day time. In instant case at most of the S/S construction is still not started. However, regular monitoring by IA/Contractors and due maintenance of equipment are ensured to keep the noise level well within the prescribed limit. Some of the S/S connected to the same project for 132/33 kV lines are regularly monitories. Same procedure will be followed for 33/11 kV S/S locations. **Please Refer Appendix A under heading A for better understanding that how the Noise levels are observed**.

5.3.5. Blockage of Wildlife passage

The proposed DLs don't pass through any protected area and no migration paths of wildlife like elephant corridor exist near to subproject project locations hence possibility of any disturbance to wild life is not anticipated. 33 kVRajnagar-Ekinpur DL alignment is passing at a distance of 0.150 km away from the Trishna WLS core boundary. 33 kV Jatanbari Dalak DL is at 7.10 km from Gumti WLS boundary and 10.12 km from Gumti Wetland. **The Maps are shown in Annexure 3**. As confirmed by WildlifeWarden of Trishna Sanctuary Bison migration/ movement is confined to Trishna core which isquite far from proposed route alignment of 33 kV Rajnagar-Ekinpur line and 33 kV Garjee - Chitamara line and no Bison has ever been reported from project area. The consolidated Map of PA with respect to FEAR IV Project is depicted. No ecologically sensitive areas are getting adversely impacted due to project interventions because of DL.

As confirmed by Wildlife Warden of Trishna WLS Bison migration/ movement is confined to Trishna core which is quite far from proposed route alignment of Bagafa line and no Bison has ever been reported from project area. Moreover, location of poles coming at adequately safe distance from the said sanctuary shall not cause any hindrance to free passage / movement / electrocution of birds as the species reported from the sanctuary are predominantly small bird having wingspan ranging from 19- 155 cm (Pheasant tailed Jacana-19-24 cm, White breasted king Fisher 35-42 cm, Indian Eagle & Hornbill 120-155 cm) whereas distance between two conductor is 4.6 m (460 cm) and distance between 2 tower is 100 m hence additional measures like bird guards/ diverter etc. may not be needed for proposed portion of DLs. Please refer **Annexure 13 for Area of Influence.**

5.4.Environmental Problems during Construction Phase

5.4.1. Uncontrolled silt runoff

During construction, maximum 0.72m^3 from each tower foundation and 2000m^3 of excavated materials for each S/S foundation expected to be generated. As discussed in the earlier section, the terrain of the project area is 50 to 60% hilly and 40 to 50% plain. Majority of pole locations are on plain terrain along the existing road. Retaining walls / boundary walls are also being constructed to eliminate the chances of silt runoff/ soil erosion. The excavated material has been backfilled and any remaining earth has been spread around the base and compacted. In case of DLs all the excavated soil is backfilled and compacted after erection of tubular poles.

It has been observed that most of these S/S lands were secured by TSECL since long back. As these S/S locations are easily accessible with existing metal roads construction of new approach road is not required. The details of requirement of approach road along with google map photos of S/S depicting status of approach have been placed in chapter 2. However, it is to submit that in few cases i.e., 33/11kV Taidu S/S - 250m, 33/11kV Ekinpur S/S, 33/11kV Dalak

S/S, 33/11kV Chechua S/S, 33/11kV Chittmara S/S, 33/11kV Barpathari S/S, 33/11kV Muhuripur S/S only strengthening/upgradation work of existing internal road is to be undertaken to facilitate movement of construction materials and machineries to the construction sites of S/S in consultation with local authority and villagers. Since these S/S are in plain area and no cutting and filling or used of heavy machineries involved the anticipated impacts will be negligible. IA officials have confirmed that all necessary measures like sprinkling of water, minimum disturbance to local community shall be undertaken during construction work. Further, we have been informed that a separate screening / assessment report for all proposed approach roads under NERPSIP being compliedby IA and same will be submitted to World Bank shortly.

As already explained, during construction limited quantity of excavated material is generated from tower/pole foundations and sub-station foundation. However, adequate measures have been taken to store excavated materials properly for refilling after construction is over. Further, excavation in the hilly areas is avoided in rainy days. Hence, uncontrolled silt run off is not anticipated. However, during construction, precautions are being taken by contractors, boundary/ retaining/ breast walls are being constructed to avoid any such runoff of excavated material from the construction sites. Moreover, S/S are being constructed above the highest flood level (HFL) by raising the foundation pad, therefore, are not prone to flooding/ erosive losses of soil.

So far there are no instances with potential of erosion during construction of above said lines. Similarly, there are no instances of erosion/losses of soils into adjoining area as all the overburden are being backfilled within the S/S boundary walls and properly managed. The S/S are not located in the vicinity of water bodies or ecologically sensitive areas.

5.4.2. Nuisance to nearby properties

While selection of site, due care is taken to keep the DLs and S/S away from settlements. Further, all the construction activities undertaken through the use of small mechanical devices e.g., tractors and manual labor, therefore nuisance to the nearby properties if any, is not expected. Since all construction related activities for new S/S are confined to existing S/S which are already inaccessible for general public due to its separation/demarcation by the boundary wall. Moreover, such areas are declared as prohibited for general public as per the provisions of Electricity Act. Hence, any adverse impact arising during the construction of these S/S are temporary and limited to the boundaries of existing S/S only do not impact nearby habitat / property nor health & safety of neighboring community.

5.4.3. Dust emission due to construction activities & vehicular movements

Exposed soils are compacted easily for prevention of dust emission due to construction activities. Sprinkling of water spray vulnerable area and covering transporting vehicles to avoid spillage of materials along with controlled speed measures have been observed in projectsite. Use of personal protective equipment by workers is observed. Proper scheduling of transportation of materials are being undertaken to minimize and mitigate any adverse impact on construction materials. Regular water sprinkling is being carried out at construction sites and hence dust emission impacts are not observed.

5.4.4. Interference with utilities and traffic and blockage of access way

Since all the locations of subprojects are not well connected through rail link, transportation of

construction materials is mostly through road network. However, in environmental sensitive area like forest NP, WLS etc. (33/11 kV Barpathari S/S), transportation is planned mostly through head load. The necessary permission with all the activities proposed for the construction of S/S is obtained as described in the earlier sections. Access to the remote sites are along existing roads or village paths; minor improvements to paths may be made where necessary, but no major construction of roads is necessary either during construction or as a part of maintenance procedures.

In case access road/path is not available than existing field/bund is utilized after paying due compensation for any damage to crop or field. However, the requirement of new access road through forest area including tree felling the same is included in forest proposal in consultation with forest department as per provisions of Forest (Conservation) Act, 1980. However, in case tree felling is not required in access road in forest area, the permission for the same will be obtained from concerned DFO in accordance with MoEF & CC circular dated 7th October, 2014.

As and when a DL crosses any road/ railways line, adequate care/caution is taken so as not to cause any hindrance to the movement of traffic. Stringing at the construction stage is carried out during lean traffic period in consultation with the concerned authorities and angle towers are planted to facilitate execution of work in different stages. Apart from this, safety precaution like barricading of work area and placement of visible signage is undertaken to avoid any unforeseen incident.

5.4.5. Noise generation from construction activities

Generally, machineries and vehicular movements generate noise during construction activities. It has been found that construction works at S/S are potential to generate noise levelshigher than the background noise as compared to construction activity of lines. Since construction sites are quite far from settlement/other sensitive receptors like school, hospitals, possibility of any direct impact to surrounding community is not anticipated. Moreover, all these activities are being undertaken during day time only.

To prevent any adverse impact, staffs/workers engaged in construction activity are equipped with personal protective equipment like earmuffs/ earplugs Besides; construction techniques like use of low noise producing equipment /machinery selection and their proper maintenance of equipment/machinery are practiced by construction contractors which is also evident from the fact that noise levels reported/ measured during site visit are well within the prescribed limits. Regular noise level monitoring is being carried out by Construction Contractor.

5.4.6. Inadequate resurfacing for erosion control

Since, the Poles for the proposed DLs are to be constructed in plain area along the road and hence no such impacts are envisaged. At S/S Construction sites adequate steps are taken to resurface the area after construction. Wherever sites are affected by active erosion or landslides, both biological and engineering treatment are carried out, e.g., provision of Boundary wall, stone pitching, guard wall, sowing soil binding grasses around the site.

Additionally, one recharge pit is proposed at each S/S location so that the ground water table can be enhanced.

Further, construction is generally undertaken in dry/non-monsoon period. The details of erosion control measures / slope protection work are provided in **Table 5.3** and **Figure 5.3**. The progress of boundary / retaining wall as on date is explained in **Table 1.5 and also in**

Table 5.4. Also Refer Annexure 14 for Drawing.

Table 5-4: Erosion Control / Slope Protection Work – Proposed Locations

Description	Location
Retaining Wall	132/33kV Satchand 132/33kV Belonia 132/33kV Sabroom
Boundary Wall	All 132/33kV S/s

Table 5-5: Status of Erosion Control Work at S/S

Sr. No.	Name of the Substations	Status of Erosion Control Measures
1	2x50 MVA, 132/33 kV new S/S at Amarpur	575 RM Boundary Wall is Planned. 252.5m Brick work done.
2	2x5 MVA, 33/11 kV new S/S at Dalak	185 RM Boundary Wall is Planned. 100m Brick work done
3	2x5 MVA, 33/11 kV new S/S at Chechua	173.68 RM Boundary Wall is Planned. No Work is started
4	2x5 MVA, 33/11 kV new S/S at Taidu	245 RM Boundary Wall is Planned. No Work is started
5	2x5 MVA, 33/11 kV new S/S at Maharani	245 RM Boundary Wall is Planned. 178m long coping Work
6	2x5 MVA, 33/11 kV new S/S at Garjee	203.5 RM Boundary Wall is Planned. 150 m completed
7	2x5 MVA, 33/11 kV new S/S at Karbook	206 RM Boundary Wall is Planned. No work started
8	2x5 MVA, 33/11 kV new S/S at Chittamara	200 RM Boundary Wall is Planned. No work started
9	2x5 MVA, 33/11 kV new S/S at Barpathari	185 RM Boundary Wall is Planned. 163m is completed
10	2x5 MVA, 33/11 kV new S/S at Ekinpur	183 RM Boundary Wall is Planned. 110m is completed
11	2x5 MVA, 33/11 kV new S/S at Moharipur	206 RM Boundary Wall is Planned. No work is started
12	2x5 MVA, 33/11 kV new S/S at Srinagar	185 RM Boundary Wall is Planned. 50m is completed
13	2x5 MVA, 33/11 kV new S/S at Manughat	233 RM Boundary Wall is Planned. 50m is completed

The following photo shows boundary wall construction to avoid run off of the soil.

Figure 59 Erosion Control Measures Retaining Wall at 132/33 kV Sabroom S/S

Retaining wall at Belonia 132/33kV substation

Retaining wall at Satchand 132/33kV substation

Boundary Wall

Boundary wall at Bagafa 132/33kV substation

Boundary Wall at Satchand 132/33kV substation

5.4.7. Inadequate disposition of borrow area

The Pole foundations involve excavations on small scale basis and the excavated soil is utilized for back filling. The S/S selected on the sites in such a manner that the volume of cutting is equal to volume of filling avoiding borrowing of the area. Surplus earth/soil not generated up till now from any of the EHV or DMS S/S. If generated, soil is being utilized within S/S premises either for approach road construction or may be used for backfilling excavated pits. As such acquisition/opening of borrow area is not needed.

5.4.8. Protection of Worker's health/safety

All health and safety issues and its management aspects are integral part of project/contract specific safety plan which is also part of contract condition. Please refer a sample Agreement pertaining to the same in **Annexure – 15.** Various aspects such as work and safety regulations, workmen's compensation, insurance are adequately covered under the General Conditions of Contract (GCC), a part of bidding documents. Project is executed as per the approved plan and is regularly monitored by dedicated Safety personnel. Moreover, for strict compliance of safety standard/plan a special provision as a deterrent has been added in the contract which provides for a heavy penalty of Rs.10 lakhs for each accidental death and Rs.1.0 lakh/each for any injury and is deducted from the contractor's payment and paid to the deceased/affected family (**Annexure – 16).**

The project authority ensures that all contractors are operating with valid labour license as per provision under section – 12(1) of the Contract Labours (Regulation & Abolition) Act, 1970 and also certified under Section- 7(3) of the Building and Other Construction Workers (Regulation of Employment and Condition of Service) Act, 1996 from Ministry of Labour & Employment. Besides, the contractors have obtained requisite insurance policy as per provisions of Employee Compensation Act, 1923 for its employed workforce. Sample copy of labour license and insurance policy for workers is attached as **Annexure-17**.

TSECL maintains safety as a top priority and has framed guidelines/checklist for workers' safety as its personnel are exposed to live EHV / DMS apparatus and DLs. These guidelines / checklists include work permits and safety precautions for work on the TLs both during construction and operation and is regularly monitored by site in-charge. Sample copy of filled

in checklist is enclosed as **Annexure-18**. Site inspection is regularly executed on sites by HSE team to ensure the measures implemented and workers health is taken care of. Sample site inspection report for the S/S and construction area is attached as **Annexure -19**. Along with this practice, IA also carry out HSE Audits on Site. Accordingly, the report is generated. During HSE Audit if the IA officials found any discrepancies and the HSE officer from contractor firm is not reporting on site regularly, letter is being issued to the contractor's firms for immediate action. The letters issued to contractors, HSE Audits and Compliance by Contractor W.R.T letters issued to Teems India Tower lines Pvt Ltd, Technofab Engineering Limited, SPML Infra Ltd are enclosed in **Annexure 20** for reference for the period of January to June 2021.

In addition, training is imparted to the workers in firefighting and safety measures. Standard safety tools like helmet, safety belt, gloves etc. are provided to them in accordance to the provisions of Safety Rules. First aid facilities are to be made available with the labor gangs, and doctors called in from nearby towns when necessary. Efforts are being made to hire labourers locally to the extent possible, else same have been outsourced. The workers have been provided with PPEs such as boots and helmets. Mock drills such as fire safety, first aid etc. are conducted periodically to enhance the preparedness level of the workforce.

The number of outside (skilled) laborers are quite small, of the order of 25-30 people per group and remaining workforce of unskilled laborers are comprised of mostly local people. Workers are also covered by the statutory Workmen (Compensation) Act. Regular health checkups are conducted for construction workers. The construction sites and construction workers' houses are disinfected regularly. In order to minimize/checking of spread of socially transmitted diseases e.g., HIV/AIDS etc. TSECL regularly conduct awareness building programs on such issues for the construction workers.

Work sites and quarters were fumigated to avoid Covid 19 risk to the workers. Awareness program on Covid 19 at S/S was carried out by the construction contractor to prevent Covid 19 infections. Distribution of essential food materials at S/S was done during lockdown period. Photos of health and safety measures taken at the work sites are as follows:

Figure 60 Site Precaution

NERPSIP project encourage employment of the local labours, thus construction camps are unavailable at sites. However, rest rooms are available at sites for use of employed labours during lunch hours. Soak pit toilets constructed by the contractor for staffs, labours & their families (separately for Gents & Ladies) at almost all 132/33kV S/S under NERPSIP-Tripura prior to the commencement of the construction activity.

Figure 61 Health and Safety of Workers training

Safe Work Practices in different States/Sites during reporting period

First Aid & Fire Safety Training

Medical Health Check Up

Covid Awareness

Construction Camp

Soak-pit Toilet at 132/33kV

5.4.9. Environmental Problems Resulting from Operation

5.4.9.1. O&M Staff/Skills less than acceptable resulting in variety of adverse effects

The O& M program is normally implemented by S/S personnel for both the lines as well as S/S. Monitoring measures employed include patrolling and thermo- vision scanning.
The supervisors and managers entrusted with O&M responsibilities are intensively trained for necessary skills and expertise for handling these aspects. A monthly preventive maintenance program is regularly carried out to disclose problems related to cooling oil, gaskets, circuit breakers, vibration measurements, contact resistance, con- denser, air handling units, electrical panels and compressors. Any sign of soil erosion is also reported and rectified. Monitoring results are published monthly, including a report of corrective action taken and a schedule for future action.

TSECL follows the best international practices while designing its system to maintain acceptable prescribed EMF level. The approved international standards and design, which The ICNIRP guideline for the general public (up to 24 hours a day) is a maximum exposure level of 1,000 mG or 100T. Further, because of issues relating to need to ensure health and safety relating to the line such as fire safety, safe voltages on metallic parts of buildings, and safety clearances to avoid flashover, the DLs do not pass directly over any residential properties and as such the potential for EMF effects to occur will be further diminished. All the S/S are being constructed following the Sustainable Building norms and construction manual.

Poly Chlorinated Biphenyls (PCBs) due to their high heat capacity, low flammability and low electrical conductivity were extensively used as insulating material in capacitors and transformers. But after the finding that these PCBs are non-biodegradable and have carcinogenic tendency, its use in electrical equipment as insulating medium has been banned all over the world long back. However, it has been reported in some studies that chances of contamination of oil with PCB is possible. Keeping that in mind, TSECL has discontinued procurement electrical equipment containing PCB more than 2 mg/kg and specification (as per IEC 61619 or ASTM D4059) is being stated in the tender document. Moreover, the subject scheme doesn't involve replacement of any PCB containing equipment; hence no disposal of such equipment is anticipated.

5.5.Critical Environmental Review Criteria

5.5.1. Loss of irreplaceable resources

The T&D projects do not involve any large-scale excavation. In DL land is affected to the extent 1050.64 sq. m below the pole base. **Please refer Chapter 4 and Table 4.22**. However, the subject DLs are passing through only 15 km of forest area out of total line length of 248.268 km. However, as per regulation and Forest Clearance obtained **(Annexure 6)**, afforestation is being undertaken on double the area diverted which eventually will help in increase the forest cover.

5.5.2. Accelerated use of resources for short-term gains

TSECL do not intend to use any natural resources occurring in the area during construction as well as maintenance of ready sub projects. The construction material such as tower members, cement etc., are procured from factories while the excavated soil is being utilized for backfilling to restore the surface / filling of tower foundations. During construction of DL very small quantity of water is required which is met from nearby existing authorized source and through tanker. However, for S/S mostly ground water is used by installing a bore well during construction as well as for Operational stage. Moreover, provision of rain water harvesting in all proposed S/S by installing recharge pits under the present scheme has been made to conserve precious water resource and enhance the ground water level. Hence it may be seen that the activities associated with implementation of subject project do not intend to cause any accelerated use of resources for short term gains.

5.5.3. Endangering of species

As described earlier, Pterocarpus marsupium is vulnerable species and Aegle marmelos is near threatened species as per Conservation Status IUCN (2020.1) are recorded in the DL area. However, no tree cutting is executed of these species and stipulated conditions in forest clearance are followed strictly.

5.5.4. Promoting undesirable rural-to urban migration

The subprojects do not cause any submergence or loss of land holdings that normally trigger migration. It also does not involve acquisition of any private land holdings. Hence, there is no possibility of any migration.

5.6.Public Consultation

Public consultation/information is an integral part of the project implementation. Public is informed about the project at every stage of execution. During survey also TSECL site officials meet people and inform them about the routing of DLs. During the construction, every individual, on whose land tower is erected and people affected by RoW, are consulted. Apart from organizing many informal group meetings in different village's public meeting were also organized in the routes of DLs along with the photographs. To get the maximum participation during the public consultation Program a notice was served well in advance to the villagers. The details of line and its importance were explained to the villagers.

Apart from this, public consultation using different technique like Public Meeting, Small Group Meeting, Informal Meeting are also carried out during different activities of project cycle.

During such consultation the public are informed about the project in general and in particular

about the following:

- Complete project plan (i.e., its route and terminating point and S/S, if any, in between);
- Design standards in relation to approved international standards;
- Health impacts in relation to EMF;
- Measures taken to avoid public utilities such as school, hospitals, etc.;
- Other impacts associated with DLs and TSECL approach to minimizing and solving them;
- Compensation process for trees and crop damages.

In the instant project many group meetings were organized (informally and formally) in different villages where the interventions are likely to happen. Village women folk have actively participated in these meetings.

During the Public consultation the details of line and its importance were explained to the villagers by the officials of TSECL and POWERGRID. The consultation was arranged in interactive way and queries about routing of line avoiding heavily populated area/houses, RoW width for tree cutting crop/tree & tower footing compensation, engagement of local people in construction activity etc., were replied. The initiative was appreciated by the villagers and they assured to extend their cooperation for construction of the said subprojects. The process of such consultation shall continue during project implementation and even during O&M stage. Details of public consultation mentioned in **Appendix C.**

Findings of public consultation:

1. People are well aware about the project, its various components and confirmed that IA & TSECL informed about the project at every stage of execution
2. People confirmed that IA & TSECL are taking every step possible to avoid/ minimize the environmental and social impacts along the route of DLs and at site of sub stations.
3. People confirmed that community reserves, sacred groves and community conserved areas are completely avoided while finalizing the route of lines
4. People also confirmed that their common property resources such as cemetery, school, community hall, habitation areas etc. have been completely avoided while finalizing the route of lines.
5. People informed that staff of IA/ contractor are easily approachable and are very open to address their grievances. As a result, no written grievance has been received till date.
6. People are very much happy with the rate of compensation being given to them and they are being involved in the process of deciding the rate of compensation.
7. People confirmed that there is no disturbance of any sort to their life/ livelihood due to the construction or various other activities being carried out under the project.
8. Execution of project work provides opportunities to local contractors to get involved in construction, fabrication, transportation etc. activities.
9. Most of the sub-contracts are awarded/ being awarded to local peoples.
10. Contractor prefer and engage local peoples for skilled and unskilled works
11. Local villagers rented out their buildings to contractor and IA for temporary offices and staff quarters in local that helps in income generation
12. Wherever possible contractor and IA purchase daily need requirements for local vendors and shopkeepers that helps in economic upliftment of the area
13. The contractor labor informed that they have been provided with PPEs such as boots and helmets.
14. Mock drills such as fire safety, first aid etc. are conducted periodically to enhance the preparedness level. Safety induction & awareness program including HIV/AID are also conducted. Safety film for transmission project in local language is shown for better awareness.

15. First aid boxes and provisions for treatment in case of emergencies are arranged locally/ nearby towns

16. It was revealed that contractor and IA work with close coordination with village heads and community to avoid any misunderstanding during work.

5.7.Compliance of EMP

The IA has a continuous monitoring mechanism of the project w.r.t. compliance of the mandatory requirements as stipulated in the IEAR. As many provisions of EMP related to construction contractor, EMP has been made integral part of contract document for its proper implementation by contractor/sub-contractor. Thus, the adherence to the clauses by the contractor is regularly monitored especially in respect of various implementation E & S measures including health and safety aspects. As part of the present study, mitigation measures as stipulated in the IEAR have been critically assessed/evaluated for compliance through physical inspection, verification of record/documents/drawing, interaction with project officials/contractor/villagers/construction workers and PRA etc. Based on above, a detailed compliance status w.r.t. each identified impacts enlisted in EMP have been prepared and is presented in the **Table 5.5**.

Table 5-6 Compliance of EMP

Clause No.	Project Activity /Stage	Potential Impact	Proposed Mitigation Measures	Parameter to be Monitored	Measurement & Frequency	Institutional Responsibility	Implementation Schedule	Compliance Report
Pre-construction								
1	Location of overhead line towers/ poles/ underground DLs and alignment & design	Exposure to safety related risks	Setback of dwellings to overhead line route designed in accordance with permitted level of power frequency and the regulation of supervision at sites.	Tower location and overhead/ underground alignment selection with respect to nearest dwellings	Setback distances to nearest houses – once	Implementing Agency (IA)	Part of overhead lines tower/ poles/ laying of underground cable site survey and detailed alignment survey and design	Careful route alignment had ensured that no house / dwelling unit is coming in the RoW.
2	Equipment specifications and design parameters	Release of chemicals and gases in receptors (air, water, land)	PCBs not used in S/S transformers or other project facilities or equipment.	Transformer design	Exclusion of PCBs in transformers stated in tender specification – once	IA	Part of tender specifications for the equipment	Compiled and included in tender document with technical specification.
			Processes, equipment and systems not to use chlorofluorocarbons (CFCs), including halon, and their use, if any, in existing processes and systems should be phased out and to be disposed of in a manner consistent with the requirements of the Government	Process, equipment and system design	Exclusion of CFCs stated in tender specification – once	IA	Part of tender specifications for the equipment	Compiled and included in tender document with technical specification.
					Phase out schedule to be prepared in case still in use – once		Part of equipment and process design	Included in process design and its part of equipment specification.
3	Transmission/ Distribution line design	Exposure to electromagnetic interference	Line design to comply with the limits of electromagnetic interference from overhead power lines	Electromagnetic field strength for proposed line design	Line design compliance with relevant standards once	IA	Part of design parameters	Designs are in compliance with international standards as certified by PTI, USA, CPRI Bangalore

Clause No.	Project Activity /Stage	Potential Impact	Proposed Mitigation Measures	Parameter to be Monitored	Measurement & Frequency	Institutional Responsibility	Implementation Schedule	Compliance Report
4	Substation location and design	Exposure to noise	Design of plant enclosures to comply with noise regulations.	Expected noise emissions based on S/S design	Compliance with regulations - once	IA	Part of detailed siting survey and design	Designs are in Compliance with minimal noise and acoustics with international standards as certified by PTI, USA, CPRI Bangalore
		Social inequities	Careful selection of site to avoid encroachment of socially, culturally and archaeological sensitive areas (i.e. sacred graves, graveyard, religious worship place, monuments etc.)	Selection of S/S location (distance to sensitive area).	Consultation with local authorities/ autonomous councils - once	IA	Part of detailed siting survey and design	Complied
5	Location of overhead line towers/poles/ laying of underground distribution line & alignment and design	Impact on water bodies	Avoidance of such water bodies to the extent possible. Avoidance of placement of tower inside water bodies to theextent of possible	Tower/pole location and overhead/ underground line alignment selection (distance to water bodies)	Consultation with local authorities– once	IA	Part of tower/pole site survey and detailed underground /overhead line alignment survey and design	Careful route selection and provision of adequate extensions has avoided the habituated area to the extent possible.
		Social inequities	Careful route selection to avoid existing settlements and sensitive locations	Tower/pole location and overhead/ underground line alignment selection (distance to nearest dwellings or social institutions)	Consultation with local authorities/ autonomous councils and land owners – once	IA	Part of detailed tower/pole site and overhead/ underground alignment survey and design	Distribution (33/11kV) lines are routed either age of agriculture land or side of the road ensuring that it does not obstruct and create

Clause No.	Project Activity /Stage	Potential Impact	Proposed Mitigation Measures	Parameter to be Monitored	Measurement & Frequency	Institutional Responsibility	Implementation Schedule	Compliance Report
			Minimize impact on agricultural land Careful selection of site and route alignment to avoid encroachment of socially, culturally and archaeological sensitive areas (i. graveyard, religious worship place, monuments etc.)	Tower location and overhead underground line alignment selection (distance to agricultural land) Tower/pole location and overhead/ underground line alignment selection (distance to sensitive area)	Consultation with local authorities/ autonomous councils and land owners –Once Consultation with local authorities/ autonomous councils - once			any public nuisance
6	Involuntary acquisition or permanent land acquisition for S/S.	Loss of land/ income change in social status etc.	Compensation and R&R measures are extended as per provision of **RFCT LARR** Act, 2013 (Right to Fair Compensation and Transparency in Land Acquisition, Resettlement and Rehabilitation Act, 2013)	Compensation and monetary R&R amounts/ facilities extended before possession of land.	As per provisions laid out in the act	State Govt.	Prior to award /start of S/S construction.	No Land Acquisition in the project. Hence no cases of R&R. Other compensation as per existing rules.
7	Line through protected area/ precious ecological area	Loss of precious ecological values / damage to precious species	Avoid siting of lines through such areas by careful site and alignment selection (NP, WLS, Biosphere Reserves/ Biodiversity Hotspots)	Tower/pole location and overhead/ underground line alignment selection (distance to nearest designated ecological protected / sensitive areas)	Consultation with local forest authorities - once	IA	Part of detailed site selection and alignment survey /design	Complied. •The proposed DLs DL 33 kV Line from 33/11 KV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing) has 2.67 Ha UGF, 33 kV Line from 33/11 kV Moharipur S/S (New) to LILO of Jolaibari- Bagafa has 18.19 Ha UGF and RF, 33

Clause No.	Project Activity /Stage	Potential Impact	Proposed Mitigation Measures	Parameter to be Monitored	Measurement & Frequency	Institutional Responsibility	Implementation Schedule	Compliance Report
								kV Line from 33/11 KV Taidu S/S (New) to 33/11kV Teliamura S/S (Existing) has 5.1 Ha of RF, forest clearance under FC Act 1980 is applicable in instant case. Accordingly, Stage I Clearance is obtained on 17-06-2021, 17-06-201, 05-05-2021 respectively. •In proposed Substations, 33/11kV Barpathari S/S has 0.2209 Ha of RF and 33/11 kV Ekinpur S/S has 0.1962 Ha of RF, forest clearance under FC Act 1980 is applicable in instant case. Accordingly, for Barpathari 33 kV S/S Stage-II clearance (conditional) issued on 18.03.2021. Working permission issued on 10.05.2021. National Board for Wildlife (NBWL) permission for Trishna WLS is obtained on 17.12.2019. For Ekinpur 33 kV S/S Stage-II clearance obtained on 12.10.2020.

Clause No.	Project Activity /Stage	Potential Impact	Proposed Mitigation Measures	Parameter to be Monitored	Measurement & Frequency	Institutional Responsibility	Implementation Schedule	Compliance Report
			Minimize the need by using RoW wherever possible	Tower / pole location and overhead / underground line alignment selection	Consultation with local authorities and design engineers - once	IA	Part of detailed site selection and alignment survey /design	Complied
8	Line through identified Elephant corridor / Migratory bird	Damage to the Wildlife/ Birds and also to line	Study of earmarked elephant corridors to avoid such corridors, Adequate ground clearance, Fault clearing by Circuit Breaker, Barbed wire wrapping on towers, reduced spans etc., if applicable	Tower/pole location and overhead/ underground line alignment selection. Minimum/maximum ground clearance	Consultation with local forest authorities – once. Monitoring – quarterly basis	IA	Part of detailed site selection and alignment survey /design and Operation	There is no elephant corridor in the selected route.
			Avoidance of established/ identified migration path (Birds & Bats). Provision of flight diverter/ reflectors, bird guard, elevated perches, insulating jumper loops, obstructive perch deterrents, raptor hoods etc7., if applicable	Tower/pole location and overhead/ underground line alignment selection	Consultation with local forest authorities - once	IA	Part of detailed site selection and alignment survey /design and Operation	Complied, Bird guards are not required.
9	Line through forestland	Deforestation and loss of biodiversity edge effect	Avoid locating lines in forest land by careful site and alignment selection Minimize the need by using existing towers,	Tower/pole location and overhead/ underground line alignment selection (distance to nearest protected or reserved forest)	Consultation with local authorities – once	IA	Part of detailed site selection and alignment survey/design	Minimum tree cutting is done. The shrubby vegetation is retained as it is. Wherever tree cutting is necessary, it was done under supervision of forest department.

Clause No.	Project Activity /Stage	Potential Impact	Proposed Mitigation Measures	Parameter to be Monitored	Measurement & Frequency	Institutional Responsibility	Implementation Schedule	Compliance Report
			tall towers and RoW, wherever Possible		Consultation with local authorities and design engineers – once			Minimum tree cutting is done. The shrubby vegetation is retained as it is. Wherever tree cutting is necessary, it was done under supervision of forest department.
			Measures to avoid invasion of alien species	Intrusion of invasive species	Consultation with local forest authorities - once			Complied
			Obtain statutory clearances from the Government	Statutory approvals from Government	Compliance with regulations – once for each subproject			Complied •The proposed DLs DL 33 kV Line from 33/11 KV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing) has 2.67 Ha UGF, 33 kV Line from 33/11 kV Moharipur S/S (New) to LILO of Jolaibari- Bagafa has 18.19 Ha UGF and RF, 33 kV Line from 33/11 KV Taidu S/S (New) to 33/11kV Teliamura S/S (Existing) has 5.1 Ha of RF, forest clearance under FC Act 1980 is applicable in instant case. Accordingly, Stage I Clearance is obtained on 17-06-2021, 17-06-201, 05-05-2021 respectively. •In proposed

Clause No.	Project Activity /Stage	Potential Impact	Proposed Mitigation Measures	Parameter to be Monitored	Measurement & Frequency	Institutional Responsibility	Implementation Schedule	Compliance Report
								Substations, 33/11kV Barpathari S/S has 0.2209 Ha of RF and 33/11 kV Ekinpur S/S has 0.1962 Ha of RF, forest clearance under FC Act 1980 is applicable in instant case. Accordingly, for Barpathari 33 kV S/S Stage-II clearance (conditional) issued on 18.03.2021. Working permission issued on 10.05.2021. National Board for Wildlife (NBWL) permission for Trishna WLS is obtained on 17.12.2019. For Ekinpur 33 kV S/S Stage-II clearance obtained on 12.10.2020.
			Consultation with autonomous councils wherever required	Permission/ NOC from autonomous councils	Consultation with autonomous councils–once during tower placement			Not applicable.
10	Lines through farmland	Loss of agricultural production/ change in cropping pattern	Use existing tower or Footings wherever possible.	Tower/pole location and overhead/ underground line alignment selection.	Consultation with local authorities and design engineers – once	IA	Part of detailed alignment survey and design	Foundations cast during lean period to avoid damage to the crops during harvesting.
			Avoid sitting new towers on farmland	Tower/pole location and overhead/	Consultation with local		Part of detailed sitting and alignment	Due care taken to avoid the damage to

Clause No.	Project Activity /Stage	Potential Impact	Proposed Mitigation Measures	Parameter to be Monitored	Measurement & Frequency	Institutional Responsibility	Implementation Schedule	Compliance Report
			wherever feasible	underground line alignment selection	authorities and design engineers – once		survey /design	the extent possible.
11	Noise related	Nuisance to neighboring properties	Substations sited and designed to ensure noise is to not be a nuisance	Noise levels	Noise levels to be specified in tender documents – once	IA	Part of detailed equipment design	Complied, Appropriately located. No noise anticipated
12	Interference with drainage patterns/ irrigation channels	Flooding hazards/ loss of agricultural production	Appropriate sitting of towers to avoid channel interference	Tower/pole location and overhead/ underground line alignment selection (distance to nearest flood zone)	Consultation with local authorities and design engineers – once	IA	Part of detailed alignment survey and design	No substation or towers are located in the natural drainage or irrigation channels. All the towers and Poles and S/S are designed and constructed at desired elevation above flood level.
13	Escape of polluting materials	Environmental pollution	Transformers designed with oil spill containment systems, and purpose-built oil, lubricant and fuel storage system, complete	Equipment specifications with respect to potential pollutants	Tender document to mention specifications – once	IA	Part of detailed equipment design /Drawings	Spill control plan is ready and no spilled material will go out of substation due to provision secondary containment. All transformers are well built with oil pits. Hazardous management, storage and handling rules 2016 are adhered to.
			Substations to include drainage and sewage disposal systems to avoid offsite land and water pollution.	Substation sewage design	Tender document to mention detailed specifications – once	IA	Part of detailed substation layout and design/drawings	Spill control plan is ready and no spilled material will go out of substation due to provision secondary containment.

Clause No.	Project Activity /Stage	Potential Impact	Proposed Mitigation Measures	Parameter to be Monitored	Measurement & Frequency	Institutional Responsibility	Implementation Schedule	Compliance Report
								Internal drainage and sewerage system is well planned and implemented at all S/S.
14	Equipment's submerged under flood	Contamination of receptors	Substations constructed above the high flood level (HFL) by raising the foundation pad	Substation design to account for HFL (elevation with respect to HFL elevation)	Base height as per flood design-once	IA	Part of detailed substation layout and design/drawings	Substations constructed above the high flood level (HFL) by raising the foundation pad and the surface run off is directed along with the boundary of the substation. Internal drainage system is well planned and implemented at all S/S.
15	Explosions /Fire	Hazards to life	Design of substations to include modern firefighting equipment	Substation design compliance with fire prevention and control codes	Tender document to mention detailed specifications – once	IA	Part of detailed substation layout and design /drawings	Complied, adequate numbers of fire extinguishers are provided being planned in lean period or avoided during harvest
			Provision of firefighting equipment to be located close to transformers					Complied, the fire extinguishers are placed at strategic locations.
Construction								
16	Equipment layout and installation	Noise and vibrations	Construction techniques and machinery selection seeking to minimize ground disturbance.	Construction techniques and machinery	Construction techniques and machinery creating minimal ground disturbance-once at the start of each	IA (Contractor through contract provisions)	Construction period	Complied, Anti-vibration pad are used.

Clause No.	Project Activity /Stage	Potential Impact	Proposed Mitigation Measures	Parameter to be Monitored	Measurement & Frequency	Institutional Responsibility	Implementation Schedule	Compliance Report
					construction phase			
17	Physical construction	Disturbed farming activity	Construction activities on cropping land timed to avoid disturbance of field crops (within one month of Harvest wherever possible).	Timing of start of construction	Crop disturbance – Post harvest as soon as possible but before next crop – once per site	IA (Contractor through contract provisions)	Construction period	Foundation being planned in lean period or avoided during harvest.
18	Mechanized construction	Noise, vibration and operator safety, efficient Operation	Construction equipment to be well maintained.	Construction equipment – estimated noise emissions	Complaints received by local authorities – every 2 weeks	IA (Contractor through contract provisions)	Construction period	Complied, Anti-vibration pad are used and most of the construction activities are done during day time.
		Noise, vibration, equipment wear and tear	Turning off plant not in use.	Construction equipment- estimated noise emissions and operating schedules	Complaints received by local authorities – every 2 weeks	IA (Contractor through contract provisions)	Construction period	Complied, Anti-vibration pad are used.
19	Construction of roads for accessibility	Increase in airborne dust particles	Existing roads and tracks used for construction and maintenance access to the line wherever possible.	Access roads, routes (length and width of new access roads to be constructed)	Use of established roads wherever possible – every 2 weeks	IA (Contractor through contract provisions)	Construction period	Existing Road used to access the line route; water sprinkling is done during additional construction activity.
		Increased land requirement for temporary accessibility	New access ways restricted to a single carriageway width within the RoW.	Access width (meters)	Access restricted to single carriage – way width within RoW – every 2 weeks	IA (Contractor through contract provisions)	Construction period	Most of the construction activity are done during day time and water sprinkling is done during additional construction activity
20	Construction activities	Safety of local villagers	Coordination with local communities for	Periodic and regular reporting	No. of incidents- once every week	IA (Contractor through contract	Construction period	Construction safety procedures are followed

Clause No.	Project Activity /Stage	Potential Impact	Proposed Mitigation Measures	Parameter to be Monitored	Measurement & Frequency	Institutional Responsibility	Implementation Schedule	Compliance Report
			construction schedules, Barricading the construction area and spreading awareness among locals	/supervision of safety arrangement		provisions)		with proper barricading with night vision
		Local traffic obstruction	Coordination with local authority/requisite permission for smooth flow of traffic	Traffic flow (Interruption of traffic)	Frequency (time span)- on daily basis	IA (Contractor through contract provisions)	Construction period	There is be any heavy traffic flow anticipated due to the construction activities. The construction is planned only in day time
21	Temporary blockage of utilities	Overflows, reduced discharge	Measure in place to avoid dumping of fill materials in sensitive drainage area	Temporary fill placement (m3)	Absence of fill in sensitive drainage areas – every 4 weeks	IA (Contractor through contract provisions)	Construction period	The subprojects are planned in such a way there are no blockages of any utilities.
22	Site clearance	Vegetation	Marking of vegetation to be removed prior to clearance, and strict control on clearing activities to ensure minimal clearance.	Vegetation marking and clearance control (area in m2)	Clearance strictly limited to target vegetation – every 2 weeks	IA (Contractor through contract provisions)	Construction period	Included in contract provisions and being monitored regularly. An area of 400 m2 is being cleared tower foundation at each location depending on the type of tower. In rest of ROW trees that are coming in the electrical clearance zone are cleared.
23	Trimming /Cutting of trees within RoW	Fire hazards	Trees allowed growing up to a height within the RoW by maintaining adequate clearance between the top of tree and the conductor as per the regulations.	Species-specific tree retention as approved by statutory authorities (average and max. tree height at maturity, in meters)	Presence of target species in RoW following vegetation clearance – once per site	IA (Contractor through contract provisions)	Construction period	Tree height and its canopy are monitored during constructions activities and there after felling coupled with other safety measures applied restrict any such incident.
		Loss of vegetation	Trees that can survive	Species-specific tree	Presence of	IA (Contractor	Construction period	Route selection and

Clause No.	Project Activity /Stage	Potential Impact	Proposed Mitigation Measures	Parameter to be Monitored	Measurement & Frequency	Institutional Responsibility	Implementation Schedule	Compliance Report
		and deforestation	pruning to comply should be pruned instead of cleared.	retention as approved by statutory authorities	target species in RoW following vegetation clearance - once per site	through contract provisions)		alignment is done with respect to no or minimal cuts of trees.
			Felled trees and other cleared or pruned vegetation to be disposed of as authorized by the statutory bodies.	Disposal of cleared vegetation as approved by the statutory authorities (area cleared in m2)	Use or intended use of vegetation as approved by the statutory authorities – once per site	IA (Contractor through contract provisions)	Construction period	The felled trees are disposed out to local authorities.
24	Wood/ vegetation harvesting	Loss of vegetation And deforestation	Construction workers prohibited from harvesting wood in the project area during their employment, (apart from locally employed staff continuing current legal activities)	Illegal wood /vegetation harvesting (area in m2, number of incidents reported)	Complaints by local people or other evidence of illegal harvesting – every 2 weeks	IA (Contractor through contract provisions)	Construction period	No Wood/ vegetation harvesting is allowed in substation and line area.
25	Surplus earthwork/soil	Runoff to cause water pollution, solid waste disposal	Soil excavated from tower footings/substation foundation disposed of by placement along roadsides, or at nearby house blocks if requested by landowners	Soil disposal locations and volume (m3)	Acceptable soil disposal sites – every 2 weeks	IA (Contractor through contract provisions)	Construction period	Excavated earth is used for refilling. The top/ fertile soil is kept separately for resurfacing and other earth is used for refilling.
26	Substation construction	Loss of soil	Loss of soil is not a major issue as excavated soil is to be mostly reused for filling. However, in case of requirement of excess soil the same is	Borrow area sitting (area of site in m2 and estimated volume in m3)	Acceptable soil borrow areas that provide a benefit - every 2 weeks	IA (Contractor through contract provisions)	Construction period	All necessary measured undertaken during construction.

Clause No.	Project Activity /Stage	Potential Impact	Proposed Mitigation Measures	Parameter to be Monitored	Measurement & Frequency	Institutional Responsibility	Implementation Schedule	Compliance Report
			to be met from existing quarry or through deep excavation of existing pond or other nearby barren land with agreement of local communities					
		Water pollution	Construction activities involving significant ground disturbance (i.e. substation land forming) not undertaken during the monsoon season	Seasonal start and finish of major earthworks (pH, BOD /COD, Suspended solids, others)	Timing of major disturbance activities – prior to start of construction activities	IA (Contractor through contract provisions)	Construction period	No such water pollution activities are carried out. Proper sewerage system and drainage system is designed and implemented at all S/S locations.
27	Site clearance	Vegetation	Tree clearances for easement establishment to only involve cutting trees off at ground level or pruning as appropriate, with tree stumps and roots left in place and ground cover left undisturbed	Ground disturbance during vegetation clearance (area, m2)	Amount of ground disturbance – every 2 weeks	IA (Contractor through contract provisions)	Construction period	**Complied.** Minimum trees cut for site clearance. Some trees were trimmed
				Statutory approvals	Statutory approvals for tree clearances – once for each site	IA (Contractor through contract provisions)	Construction period	**Complied.** Minimum trees cut for site clearance. Some trees were trimmed
28	Substation foundation/ tower erection disposal of surplus earthwork/fill	Waste disposal	Excess fill from substation/tower foundation excavation disposed of next to roads or around houses, in agreement with the local community or landowner.	Location and amount (m3) of fill disposal	Appropriate fill disposal locations – every 2 weeks	IA (Contractor through contract provisions)	Construction period	These provisions are strictly complied and recorded during construction.

Clause No.	Project Activity /Stage	Potential Impact	Proposed Mitigation Measures	Parameter to be Monitored	Measurement & Frequency	Institutional Responsibility	Implementation Schedule	Compliance Report
29	Storage of chemicals and materials	Contamination of receptors (land, water, air)	Fuel and other hazardous materials securely stored above high flood level.	Location of hazardous material storage; spill reports (type of material spilled, amount (kg or m3) and action taken to control and clean up spill)	Fuel storage in appropriate locations and receptacles – every 2 weeks	IA (Contractor through contract provisions)	Construction period	Complied and condition is taken care during storage. Hazardous materials are managed by following Hazardous waste management rules 2016. Also transformers are erected with oil pits for proper management and collection of oil.
30	Construction schedules	Noise nuisance to neighboring properties	Construction activities only undertaken during the day and local communities informed of the construction schedule.	Timing of construction (noise emissions, [dB(A)]	Daytime construction only – every 2 weeks	IA (Contractor through contract provisions)	Construction period	It is ensured by site In-charge that construction activities takes place during day time and villagers are informed in advance and affected villagers are even served notice in advance and Anti-vibration pad are used.
31	Provision of facilities for construction workers	Contamination of receptors (land, water, air)	Construction workforce facilities to include proper sanitation, water supply and waste disposal facilities.	Amenities for Workforce facilities	Presence of proper sanitation, water supply and waste disposal facilities once each new facility	IA (Contractor through contract provisions)	Construction period	Construction workers are provided all the necessary basic facilities as well as safety equipment.
32	Influx of migratory workers	Conflict with local population to share local resources	Using local workers for appropriate asks	Avoidance/reduction of conflict through enhancement/ augmentation of resource	Observation & supervision– on weekly basis	IA (Contractor through contract provisions)	Construction period	Local workers were employed for the construction work, so that no any conflict arose at the construction locations.

Clause No.	Project Activity /Stage	Potential Impact	Proposed Mitigation Measures	Parameter to be Monitored	Measurement & Frequency	Institutional Responsibility	Implementation Schedule	Compliance Report
				requirements				
33	Lines through farmland	Loss of agricultural productivity	Use existing access roads wherever possible	Usage of existing utilities	Complaints received by local people /authorities - every 4 weeks	IA (Contractor through contract provisions)	Construction period	Crop compensation is paid as per CPTD
			Ensure existing irrigation facilities are maintained in working condition	Status of existing facilities				No irrigation facilities are affected or blocked.
			Protect /preserve topsoil and reinstate after construction completed	Status of facilities (earthwork in m3)				All measures to resurface the excavated area by top soil is adopted as described above.
			Repair /reinstate damaged bunds etc. after construction	Status of facilities (earthwork in m3)				Damaged bunds were repaired to normal stage
		Loss of Income	Land owners/ farmers compensated for any temporary loss of productive land as per existing regulation	Process of Crop/tree compensation in consultation with forest dept. (for timber yielding tree) and Horticulture dept. (for fruit bearing tree)				Compensation as per CPTD are paid.
34	Uncontrolled erosion/silt runoff	Soil loss, downstream siltation	Need for access tracks minimized, use of existing roads.	Design basis and construction procedures (suspended solids in receiving waters; area re-vegetated in m2; amount of bunds constructed [length in meter, area in m2, or volume in m3])	Incorporating good design and construction management practices – once for each site	IA (Contractor through contract provisions)	Construction period	All necessary measured undertaken during construction.
			Regeneration of vegetation to stabilize works areas on completion (where applicable)					Regeneration/ cultivation is allowed in the complete RoW and even in the area below tower after completion of construction activities.
			Avoidance of excavation in wet season					It is ensured by the site In-charge that no excavation is carried out

Clause No.	Project Activity /Stage	Potential Impact	Proposed Mitigation Measures	Parameter to be Monitored	Measurement & Frequency	Institutional Responsibility	Implementation Schedule	Compliance Report
								during monsoon /rainy season.
			Water courses protected from siltation through use of bunds and sediment ponds					The selected route does not come in the natural drainage.
35	Nuisance to nearby properties	Losses to neighboring land uses/ values	Contract clauses specifying careful construction As much as possible existing access ways is to be Productive land is to be reinstated following completion of construction	Contract clauses Design basis and layout Reinstatement of land status (area affected, m2)	Incorporating good construction Incorporating good design engineering Consultation with affected parties – twice – immediately	IA (Contractor through contract provisions)	Construction period	Complied
		Social inequities	Compensation is to be paid for loss of production, if any.	Implementation of Tree/Crop Compensation (amount paid)	Consultation with affected parties – once in a quarter	IA	Prior to construction	Complied Tree Crop compensation is paid as per CPTD.
36	Flooding hazards due to construction impediments of natural drainage	Flooding and loss of soils, contamination of receptors (land, water)	Avoid natural drainage pattern/ facilities being disturbed/blocked/ diverted by on-going construction activities	Contract clauses (e.g. suspended solids and BOD/COD in receiving water)	Incorporating good construction management practices-once for each site	IA (Contractor through contract provisions)	Construction period	The S/S and tower area at constructed at suitable elevation above HFL of the area. Hence no impact on drainage pattern due to flood
37	Equipment submerged under flood	Contamination of receptors (land, water)	Equipment stored at secure place above the high flood level(HFL)	Store room level to be above HFL (elevation difference in meters)	Store room level as per flood design-once	IA	Construction period	The S/S and tower area at constructed at suitable elevation above HFL of the area. Hence no impact on drainage pattern due to flood
38	Inadequate siting of borrow areas (quarry	Loss of land values	Existing borrow sites is to be used to source aggregates, therefore,	Contract clauses	Incorporating good construction	IA (Contractor through contract provisions)	Construction period	Complied, no such sites are selected for substation and tower

Clause No.	Project Activity /Stage	Potential Impact	Proposed Mitigation Measures	Parameter to be Monitored	Measurement & Frequency	Institutional Responsibility	Implementation Schedule	Compliance Report
	areas)		no need to develop new sources of aggregates		management practices – once for each site			location in low lying area.
39	Health and safety	Injury and sickness of workers and members of the public	Safety equipment's (PPEs) for construction workers	Contract clauses (number of incidents and total lost-work days caused by injuries and sickness)	Contract clauses compliance – once every quarter	IA (Contractor through contract provisions)	Construction period	Complied, by providing displays, PPEs and training of the contractors and contract workers.
			Contract provisions specifying minimum requirements					Complied. No incident of accident/injury reported
			Construction camps Contractor to prepare and implement of health and safety plan.					All health and safety plan are in place and monitored regularly
			Contractor to arrange for health and safety training sessions					Regular briefing / training for contract workers is organized by contractor/POWERGRID
40	No regular construction stage Environmental monitoring	Likely to maximize damages	Training of environmental monitoring personnel	Training schedules	No. of programs attended by each person – once a year	IA	Routinely throughout construction period	Periodic Environment monitoring and Training program are organized for such persons.
			Implementation of effective environmental monitoring and reporting system using checklist of all contractual environmental requirements	Respective contract checklists and remedial actions taken thereof.	Submission of duly completed checklists of all contracts for each site – once			Complied. Regular monitoring by site and Corporate is organized.
			Appropriate contact clauses to ensure satisfactory implementation of	Compliance report related to environmental aspects for the	Submission of duly completed compliance report for each			All provisions are compiled and monitored regularly by Site

Clause No.	Project Activity /Stage	Potential Impact	Proposed Mitigation Measures	Parameter to be Monitored	Measurement & Frequency	Institutional Responsibility	Implementation Schedule	Compliance Report
			contractual environmental mitigation measures.	contract	contract – once			
Operation & Maintenance								
41	Location of line towers/poles and overhead/ underground line alignment & design	Exposure to safety related risks	Setback of dwellings to overhead line route designed in accordance with permitted level of power frequency and the regulation of supervision at sites.	Compliance with setback distances ("as-built" diagrams)	Setback distances to nearest houses – once in quarter	TSECL	During operations	Designed as per guidelines of ICNIRP and ACGIH and checked by CPRI and M/s PTI, USA
42	Line through identified bird flyways, migratory path	Injury/ mortality to birds, bats etc due to collision and electrocution	Avoidance of established/ identified migration path (Birds & Bats). Provision of flight diverter/ reflectors, elevated perches, insulating jumper loops, obstructive perch deterrents, raptor hoods etc., if applicable	Regular monitoring for any incident of injury/mortality	No. of incidents- once every month	TSECL	Part of detailed site selection and alignment survey /design and Operation	Complied, Bird guards are not required.
43	Equipment Submerged under flood	Contamination of receptors (Land, water)	Equipment installed above the high flood level (HFL) by raisin the foundation pads.	Substation design to account for HFL	Base height as per flood design – once	TSECL	During operations	The area is not prone to flood, but necessary care is taken by the authorities to avoid such situations
44	Oil spillage	Contamination Of land/ nearby water bodies	Substation transformers located within secure and impervious sump areas with a storage capacity of at least 100% of the capacity of oil in transformers and associated reserve tanks.	Substation bunding (Oil sump) ("as-built" diagrams)	Bunding (Oil sump) capacity and permeability - once	TSECL	During operations	Oil sump of sufficient capacity (200% by volume of oil tank in transformer) is provided for every transformer. Secondary containmentis provided

Clause No.	Project Activity /Stage	Potential Impact	Proposed Mitigation Measures	Parameter to be Monitored	Measurement & Frequency	Institutional Responsibility	Implementation Schedule	Compliance Report
45	SF6 (Sulfur hexafluoride) management	Emission of most potent GHG causing climate change	Reduction of SF6 emission through awareness, replacement of old seals, proper handling & storage by controlled inventory and use, enhance recovery and applying new technologies to reduce leakage	Leakage and gas density/level	Continuous monitoring	TSECL	During Operations	Being Complied.
46	Inadequate provision of staff/workers health and safety during operations	Injury and sickness of staff /workers	Careful design using appropriate technologies to minimize hazards	Usage of appropriate technologies (lost work days due to illness and injuries)	Preparedness level for using these technologies in crisis – once each year	TSECL	Design and operation	Being Complied. In design and operation standards of safety procedure followed.
			Safety awareness rising for staff.	Training/awareness programs and mock drills	Number of programs and percent of staff / workers covered – once each year			Proper safety training to all workers and primary safety kits/PPEs are provided in every site.
			Preparation of fire emergency action plan and training given to staff on implementing emergency action plan	Provision of facilities	Complaints received from staff /workers every 2 weeks			Regular mock drills on fire and other occupational hazards are organized. Fire emergency is displayed at all substation in English and local language.
47	Electric Shock Hazards	Injury/ mortality to staff and public	Careful design using appropriate technologies to minimize hazards	Usage of appropriate technologies (no. of injury incidents, lost work days)	Preparedness level for using this technology in crisis- once a month	TSECL	Design and Operation	Electric shock emergency response plan is displayed at all substations with periodic training in local language.
			Security fences around substations	Maintenance of fences	Report on maintenance –			Security fences around substations are provided

Clause No.	Project Activity /Stage	Potential Impact	Proposed Mitigation Measures	Parameter to be Monitored	Measurement & Frequency	Institutional Responsibility	Implementation Schedule	Compliance Report
					every 2 weeks			
			Barriers to prevent climbing on/ dismantling of towers	Maintenance of barriers				Barriers to prevent climbing on/ dismantling of towers provided
			Appropriate warning signs on facilities	Maintenance of warning signs				Appropriate warning signs on facilities provided
			Electricity safety awareness raising in project areas	Training /awareness programs and mock drills for all concerned parties	Number of programs and percent of total persons covered – once each year			Training /awareness programs and mock drills for all concerned parties are conducted periodically in local language.
48	Operations and maintenance staff skills less than acceptable	Unnecessary environmental losses of various types	Adequate training in O&M to all relevant staff of substations & T&D line maintenance crews.	Training/awareness programs and mock drills for all relevant staff	Number of programs and percent of staff covered – once each year	TSECL	Operation	Training and educating the staffs with pictorial signage's.
			Preparation and training in the use of O&M manuals and standard operating practices					Induction training along with refreshers training is periodically carried out.
49	Inadequate periodic Environmental monitoring.	Diminished ecological & social values.	Staff to receive trainingin environmental monitoring of Project operations & maintenance activities.	Training/awareness programs and mock drills for all relevant staff	Number of programs and percent of staff covered – once each year	TSECL	Operation	Periodical environmental monitoring is planned.
50	Equipment specifications and design parameters	Release of chemicals and gases in receptors (air, water, land)	Processes, equipment and systems using chlorofluorocarbons (CFCs), including halon, should be phased out and to be disposed of in a manner consistent	Process, equipment and system design	Phase out schedule to be prepared in case still in use – once in a quarter	TSECL	Operations	Provisions for collection and storage is adequate.

Clause No.	Project Activity /Stage	Potential Impact	Proposed Mitigation Measures	Parameter to be Monitored	Measurement & Frequency	Institutional Responsibility	Implementation Schedule	Compliance Report
			with the requirements of the Govt.					
51	Transmission/ distribution line maintenance	Exposure to electromagnetic interference	T&D line design to comply with the limits of electromagnetic interference from overhead power lines	Required ground clearance (meters)	Ground clearance - once	TSECL	Operations	Designed as per guidelines of ICNIRP and ACGIH and checked by CPRI and M/s PTI, USA.
52	Uncontrolled growth of vegetation	Fire hazard due to growth of tree / shrub / Bamboo along RoW	Periodic pruning of vegetation to maintain requisite electrical clearance. No use of herbicides/ pesticides	Requisite clearance (meters)	Assessment in consultation with forest authorities - once a year (pre /post- monsoon	TSECL	Operations	All necessary measured undertaken during operation.
53	Noise related	Nuisance to neighboring properties	Substations sited and designed to ensure noise is to not be a nuisance.	Noise levels {dB(A)}	Noise levels at boundary nearest to properties and consultation with affected parties if any - once	TSECL	Operations	Being Complied. Appropriately located. No noise anticipated

5.8.Conclusions

It is clear from the above discussion that the area is rich in natural forest resources. But careful route selection following the principle of avoidance, ecologically sensitive areas like NP / WLS have been avoided completely but complete avoidance of forest could not be achieved due to terrain limitations. However, all possible efforts have been taken that line route is aligned in such a way that it involves minimum forest stretch. In the instant case there is only line involving forest area of 26.38 Ha. for which adequate mitigation measure like providing funds for raising compensatory afforestation on double the area of degraded forest land. The funds are being paid by IA to State Forest department. Moreover, to reduce the impact on forest area bare minimum felling of trees are planned in RoW in the forest with meticulous planning. The infrastructural constraints are very real and pose a limiting factor on the development of the area. The above facts while on the one hand underline the need for implementation of the subject scheme for overall development of the area and on another hand suggests that a detailed EIA may not be necessary as per the provisions of existing regulations.

DL routes and S/S location have been selected judiciously by considering the technical, environmental, socio-economic aspects. Though some changes in line length & route alignment have been observed in DLs as compared to IEAR scope but as a result careful route selection IA could able to minimize ecologically & socially sensitive areas including forest, protected areas, PCR etc. completely in all the lines and S/S being implemented under this project.

The present T&D schemes not only improve overall power supply situation but also improve reliability, quality, security and enhancement of power supply in the Tripura state. From the above discussion, it would seem that the area is rich in physical resources. But careful route selection has minimized involvement of forest area to the extent possible but could not be completely avoided due to terrain and other physiographical reasons. Thus, routes selected for detailed survey are the most optimum alignment and involved minimum forest.

The provisions of IEAR & EMP are being implemented at ground level and strict compliance by construction contractors is ensured through regular monitoring by IA. So far, no major impacts apart from earlier identified impacts are anticipated due to such changes in scope. Besides, all other applicable laws/rules/regulations of the country & funding agencies are being complied with and till date no violation/ penalty with respect to contravention of any regulations has been reported. During assessment, it has also been observed that so far, the project has achieved zero fatality with no major noncompliance of EMP/Contract provisions as stipulated in IEAR, which is an indicative of the strict vigil of the IA.

It has also emerged from the survey & PRA exercise that the PAPs were appreciative of the project and hoped that the power scenario would improve after commissioning of the project. Local people also benefited through project related employment that was being generated. Following observations are drawn from the observations through site visits.

- During the construction phase, the implementing agency needs to ensure strict compliance of the contract provisions/EMP by Contractor especiallyin respect of workers health and safety.
- Along with labours, supervisors, engineers and Staff of Implementing Agency (IA) should also need to follow the health and safety precautions.

- Need of regular induction and training program for labours and engineers at all sites.
- Training for PMU staff regarding monitoring and implantation of EMP as proposed in IEAR. It is suggested to deploy more environmental professionals for effective environmental monitoring and reporting system.
- Good coordination between IA officers and contractors regarding implementation of Health and Safety Plan.
- Health checkup of labours and other working staff are regularly executed. However, the Records of labour registration should be well maintained and strictly monitored.
- Training and awareness regarding cleanliness and solid waste disposal to maintain the hygiene in the labour camps and construction sites.
- The basic needs at workers camp should be provided on site. Transit camps should be well equipped.
- Demarcation and protection for sites where work has been on hold due to various reasons to avoid accidents and runoff of excavated soil from construction sites
- Project staff of the implementing agency should be well versed with the contents of the IEAR so as to ensure proper compliance by the contractors.
- Overall, the commissioning of the project tend to augment the power distribution and availability in the region which will further catalyze economic activity and development of the area/region.

6. PROJECT IMPLEMENTATION ARRANGEMENT & MONITORING

For smooth implementation of this project, following administrative and functional set up have been institutionalized for project implementation, review and monitoring.

MoP, GoI has appointed POWERGRID as Design cum Implementation Supervision Consultant (i.e., Project Management Consultant-PMC) and now redesignated as Implementing Agency (IA). However, the ownership of the assets with respective State government or State Utilities, which upon progressive commissioning is to be handed over to them for taking care of Operation and Maintenance of assets. The arrangement for monitoring and reviewing of project from the perspective of environment and social management are form part of overall arrangements for project management and implementation environment. Following implementation arrangement has been proposed at different levels for smooth implementation of this project;

Central Project Implementation Unit (CPIU) - A body responsible for coordinating the preparation and implementation of the project and is housed within the IA's offices at Guwahati. The "Project-In-Charge" of IA & Head of each of the SPCU is a member of CPIU.

State Project Coordination Unit (SPCU) – A body formed by the Utility and responsible for coordinating with IA in preparing and implementing the project at the State level. It consists of experts across different areas from the Utility and is headed by an officer of the rank not below Chief Engineer, from the Utility.

Project Implementation Unit (PIU) – A body formed by the IA, including members of Utility on deputation, and responsible for implementing the Project across the State, with its personnel being distributed over work site & working in close association with the SPCU/ CPIU. PIU report to State level "Project Manager" nominated by the Project-in- Charge of IA. The IA is Core team stationed at the CPIU on permanent basis and other IA officers (with required skills) visits as and when required by this core team. This team is represented IA and to be responsible for all coordination with SPCU, PIU, within IA and MoP, GoI. CPIU is alsoassist MoP, GoI in monitoring project progress and in its coordination with WB.

6.1.Review of Project Implementation Progress

To enable timely implementation of the project/subprojects, following committee has been setup to review the progress;

Joint Co-ordination Committee (JCC): IA and SPCU nominate their representatives in a body called JCC to review the project. IA was specified quarterly milestones or targets, which is to be reviewed by JCC through a formal monthly review meeting. This meeting forum is called as Joint Co-ordination Committee Meeting (JCCM). The IA is convene & keep a record of every meeting. MoP, GoI and WB may join as and when needed. Minutes of the meeting to be shared with all concerned and if required, with GoI and WB.

High Power Committee (HPC): The Utility in consultation with its GoT is arranged to constitute a High-Power Committee (HPC) consisting of high-level officials from the Utility, State/ District Administration, Law enforcement agencies, Forest Department etc. so that various permission/ approvals/ consents/ clearances etc. are processed expeditiously so as

to reach the benefits of the Project to the end consumers. HPC is meet on bimonthly basis or earlier, as per requirement. This forum to be called as High-Power Committee Meeting (HPCM) and the SPCU is kept a record of every meeting. Minutes of the meeting is always shared with all concerned and if required, with GoI and WB.

Contractor's Review Meeting (CRM): Periodic Review Meeting is held by officials of PIU with Contractors at field offices, State Head Quarters (PIU location) and if required with core team of IA at Guwahati. These is to be called "Contractor's Review Meeting" (CRM). PIU is keep a record of all CRMs, which shared with all concerned and if required, with GoI and WB.

A review is frequently held among MoP, GoI, WB, GoT, Utility and IA, at four (4) months interval or earlier if needed, primarily to maintain oversight at the top level and also to debottleneck issues that require intervention at GoI/ State Government level. Minutes of the meeting is generally prepared by IA and shared with all concerned.

6.2.Environmental and Social Monitoring

Monitoring is a continuous process for TSECL projects at all the stages, be it the site selection, construction or maintenance. As Implementing Agency (IA) POWERGRID endeavors to implement the project in close coordination with the respective state power utilities and departments. POWERGRID has been implementing the project based on the Implementation / Participation agreements that were signed separately between POWERGRID and the Power utilities.

The success of TSECL lies in its strong monitoring systems. Apart from the Field In- Charge reviewing the progress on daily basis regular project review meetings are held at least on monthly basis at corporate level wherein apart from construction issues the environmental aspects of the projects are discussed and remedial measures taken wherever required. The exceptions of these meetings are submitted to the Directors and Chairman and Managing Director of the Corporation. The progress of various on- going projects is also informed to the Board of Directors.

TSECL has formed a separate cell at the Circle office level namely Environment and Social Management Cell (ESMC) headed by AGM (Transmission) for proper implementation and monitoring of environmental & social management measures. TSECL organization support structure is depicted in **Figure 6.1**. Key responsibilities of the ESMC are follows:

- Coordinating environmental and social commitments and initiatives with various multilateral agencies, GoT and MoEF&CC.
- Coordination of all environmental activities related to a project from conceptualization to operation and maintenance stage.
- Advising and coordinating /Site office to carry out environmental and social surveys and route alignment for new projects.
- Advising site offices to follow-up with the state forest offices and other state departments for expediting forest clearances and other E & S issues of various projects.
- Providing a focal point for interaction with the MoEF&CC for expediting forest clearances
- Training of Circle and Site officials on E & S issues arising out of T&D projects and their

management plan.
- Training of other departments to familiarize them with the ESPP document.

Additionally, Field In-Charge reviews the progress on daily basis and periodic review by higher management including review by Heads of SPCU and CPIU undertaken wherein apart from construction issues the environmental aspects of the projects are discussed and remedial measures taken wherever required. Besides, Periodic Contractor's Review Meeting (CRM) are being held by officials of PIU with Contractors at field offices, State Head Quarters (PIU location) and with CPIU at Guwahati for better coordination and resolution any pending issues. The WB mission team also visits various sites every six months to review the progress status including ground level implementation of safeguard measures. Any observation/agreed action plan suggested by WB in the Aide Memoire is religiously complied in time bound manner. Additionally, review meeting among MOP, GoI, WB, State Governments., Utility and IA being held periodically to maintain oversight at the top level and also to debottleneck issues that require intervention at GoI/ State Government level.

The Capacity building and Institutional Strengthening program of the IA is held intermittently to enhance the skills of the project officials. Besides, separate E & S training are also organized for Official of State Utility under Capacity Building & Institutional Strengthening (CBIS) program. Further, State utility meetings between IA and AEGCL/APDCL are held on a monthly/ bi-monthly basis to assess the work progress and difficulties encountered in respect of land acquisition, RoW and compensation if any. The IA has a continuous monitoring mechanism of the project w.r.t. compliance of the mitigation measures as stipulated in the IEAR. Thus, the adherence to the clauses by the contractors are regularly monitored especially in respect of various implementation E & S measures including health and safety aspects. Due to such strong institutional support structure coupled with monitoring mechanism in place, no major non-compliance was observed/reported during the implementation of projects till date. The project has so far had zero fatality which is indicative of the strict vigil of the IA.

During the present study, our team also observed mitigation measures as suggested in IEAR are mostly complied with even though some gaps were found with respect proper to documentation. It has been observed during field visit and interactions with local people, contractors and contract workers that PGCL has adequately taken all precautions and importance to environmental & social aspects. The stakeholders are satisfied with the various measures taken by TSECL its proven fact from the interactions that no complaints are received from the project area. Design realignment, consultation i.e., PAP, Environment & safety awareness training and regular interactions with all the stakeholders has led to sustainability of the project.

As regards monitoring of impacts on ecological resources particularly in Forest, Sanctuary or National Park, it is generally done by the concerned Divisional Forest Officer, Chief Wildlife Warden and their staff as a part of their normal duties. A detailed Environment Management Plan (EMP) including monitoring plan for all possible environmental and social impact and its proper management has been drawn **(Table- 5.5)** and is being implemented during various stage of project execution. Since many provisions of EMP are to be implemented by contractor hence for proper monitoring EMP has included in the contract document. A budgetestimate towards tree/crop/tower base compensation and EMP implementation is preparedand is placed at **Annexure-10**. A summary of the same is presented below **Table No.6.1:**

Table 6-1 Summary Budget Estimate

Sr. No.	Budgetary Head	Amount(Rs. Lakhs)
1	Forest compensation	450.00
2	Tree & Crop Compensation	108.65
3	Implementation Monitoring & Audit	33.23
	Total	**591.88**

Any other measures like provision of bird guards, spike guards, barbed wire fencing or any other arrangement for addressing the issues like bird hit/animal/elephant scratching etc. is finalized only after detailed/ check survey and finalization of route alignment. Since the detailed/ check survey is part of main package requirement of such measures, its extent and estimated cost is incorporated in the revised cost estimate proposal which is normally prepared for all projects as there is a considerable time gap between planning and actual implementation. However, as per the preliminary assessment such additional measures may not be required in the instant scheme as no such impact are envisaged due to routing of lines far away from such sensitive areas.

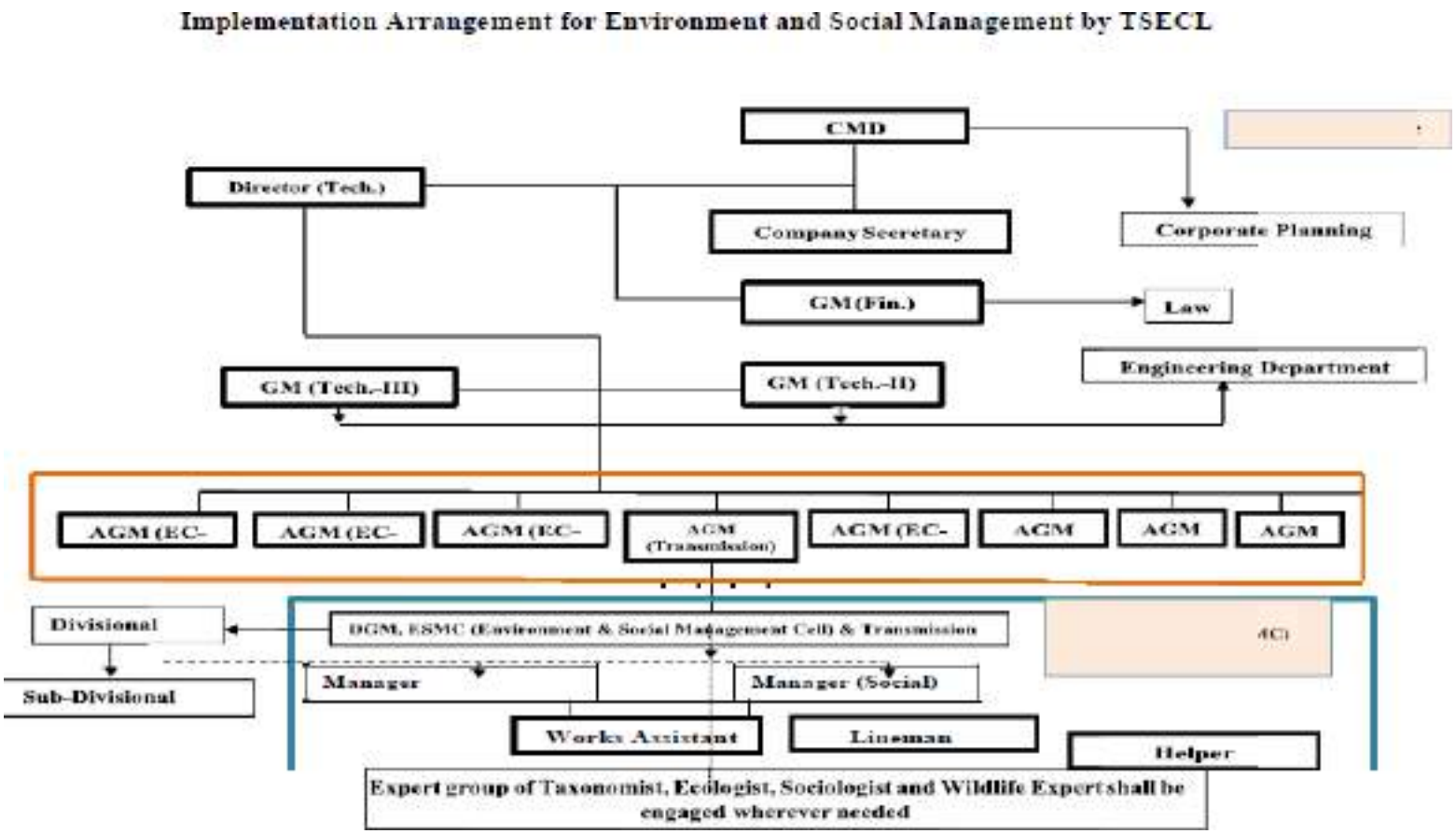
6.3.Grievance Redressal Mechanism:

Grievance Redressal Mechanism (GRM) is an integral and important mechanism for addressing/resolving the concern and grievances in a transparent and swift manner. In accordance with the provision in ESPPF, Grievance Redress Committees (GRC) has been constituted at the project/scheme level and at Corporate/HQ. This GRC is aimed to provide a trusted way to voice and resolve environment & social concerns of the project, and to address the concerns of the affected person/community in a time bound manner without impacting project implementation.

The Corporate/HQ level GRC has been constituted and notified which is headed by Director (PMU). Similarly, project level GRCs have been constituted for each transmission and S/S covered under this project. Notifications of Corporate & Project level GRC are shown in **Annexure 21.**

Apart from above, grievance redresses in built in crop/tree compensation process where affected persons are given a chance to place their grievances after issuance of notice by revenue officials on the basis of assessment of actual damages. Grievances received towards compensation are generally addressed in open forum and in the presence of many witnesses. Process of spot verification and random checking by the district collector/ its authorized representative also provides forum for raising the grievance towards any irregularity / complain. Moreover, TSECL & POWERGRID officials also address to the complaints of affected farmers and the same are forwarded to revenue official for doing the needful, if required.

Figure 62 Implementation Arrangement for E&S Management by TSECL



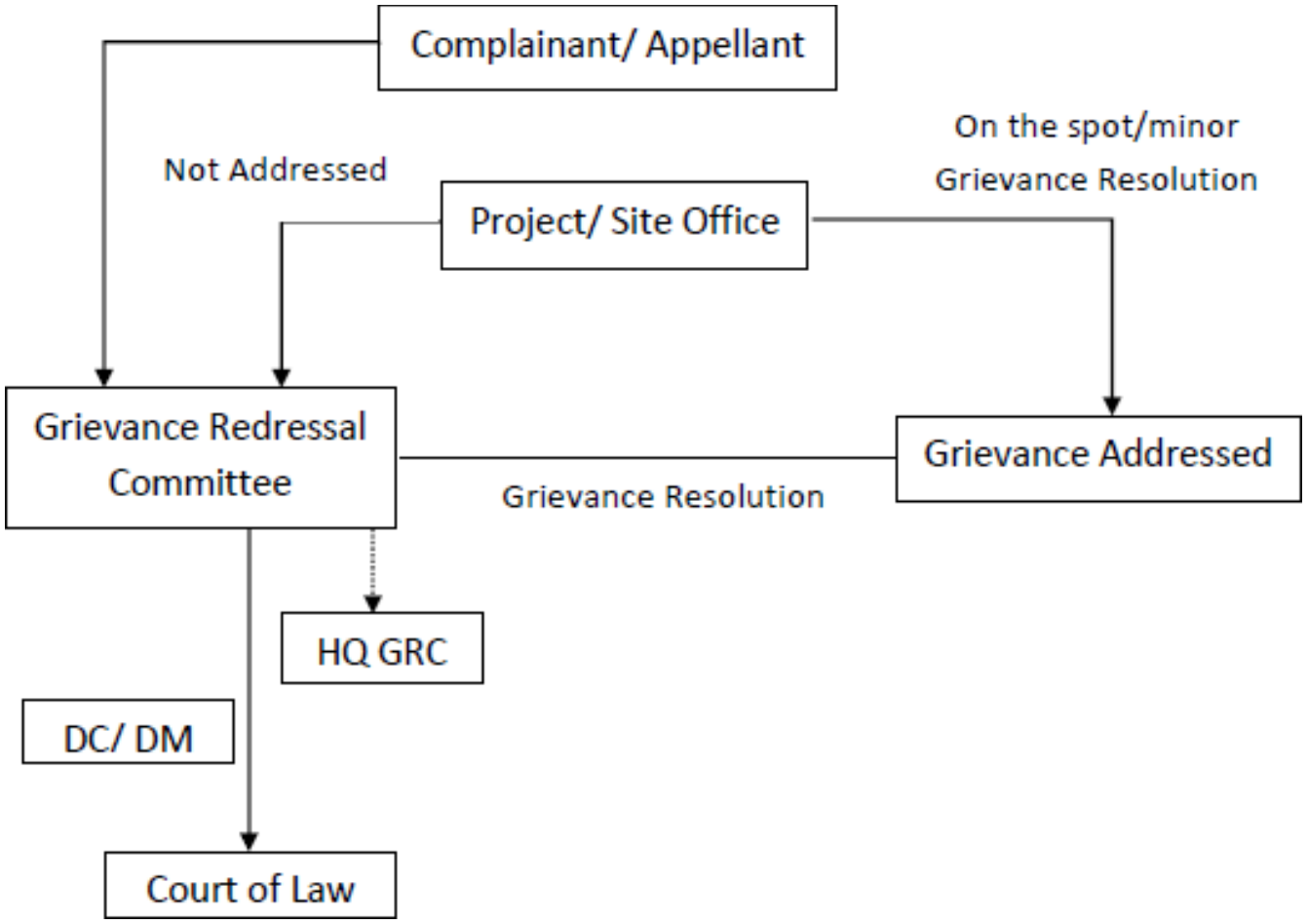


Figure 63: Grievance Redressal Mechanism

Site level Grievance Redressal Committee (GRC) has already been constituted. The nominated officials from TSECL and POWERGRID for GRC and **details are annexed in Annexure 21.** Nominees from local administration, panchayat/ADC & affected persons are also mandatory for GRC. Letter has already been issued twice to AGM (Transmission), TSECL for his early action in this regard (**copy of letters enclosed in Annexure 21**).

It has been observed that concerns of public are addressed regularly through public consultation process which started from project planning to construction and will be continued in O&M also. As per record available, no written complaint or court case is registered till study period against any of the sub projects in instant case. However, we have been informed that only some minor complaints of verbal nature were received by site officials which were also resolved instantly and amicably by site Officials after discussion & deliberation with affected person in consultation of revenue/district officials.

6.4.Good practices of project:

- **All the precautions were taken for health and safety of workers**

At all the other places the contractor has taken all the necessary precautions for prevention of diseases at the project sites. Workers were provided with all the safety equipment, special measures taken for prevention of Covid-19.

- All the stakeholders were considered for consultation during the project cycle

All the stakeholders were consulted by POWERGRID and their queries were resolved during formal / informal meetings. Therefore, no any major issue observed during project construction. Because of strong PAP consultation, no any written complaint / court case has been received so far.

- Eco sensitive zones avoided as far as possible

ESZ avoided totally. River / water ecosystem was not harmed because of pile foundation as no pile foundation work is envisaged in the FEAR III.

- Avoidance of habituated areas

Habituated areas were avoided as far as possible to lay towers of 132 kV line. The residential houses are far from the RoW of 132 kV towers, therefore, there is no chance of damage to the human being because of 132 kV line.

- Interference with utilities

Wherever utilities were crossed, necessary permissions/NoC is taken from the concern authorities to lay electric wires from their premises. During construction, the concern officials are taking care of avoiding damage to the utility instruments & premises

7. REFERENCES

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2. Guidelines for diversion of forest land for non-forest purposes under the Forest (Conservation) Act, 1980 F. No.7-2s/ 29I2-FC Government of India Ministry of Environment and Forests
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5. Electric Energy Systems Theory: An Introduction; Olle I. Elgerd, McGraw-Hill, 1971.
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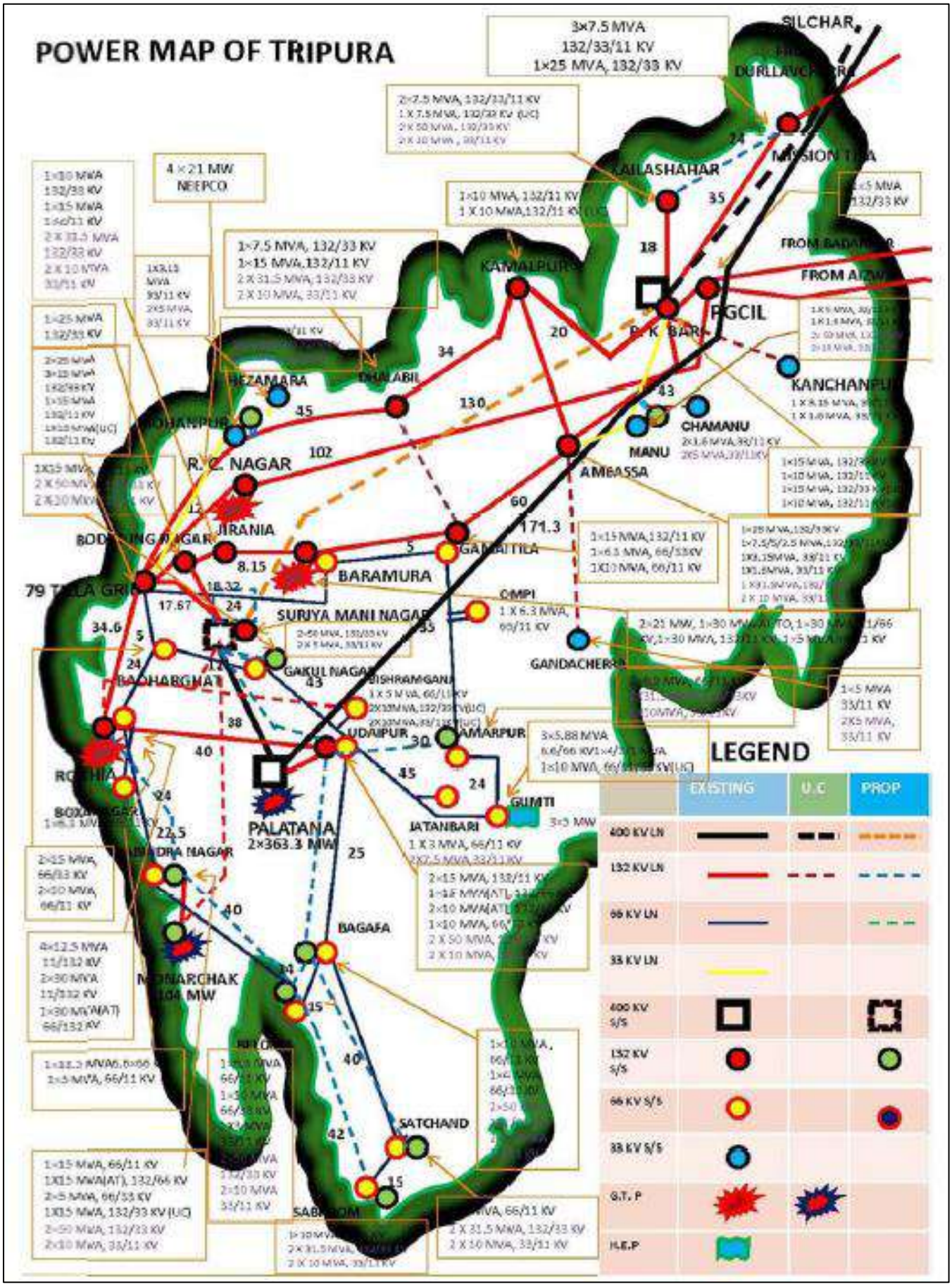
18. Economic Development Tripura 2019-2020

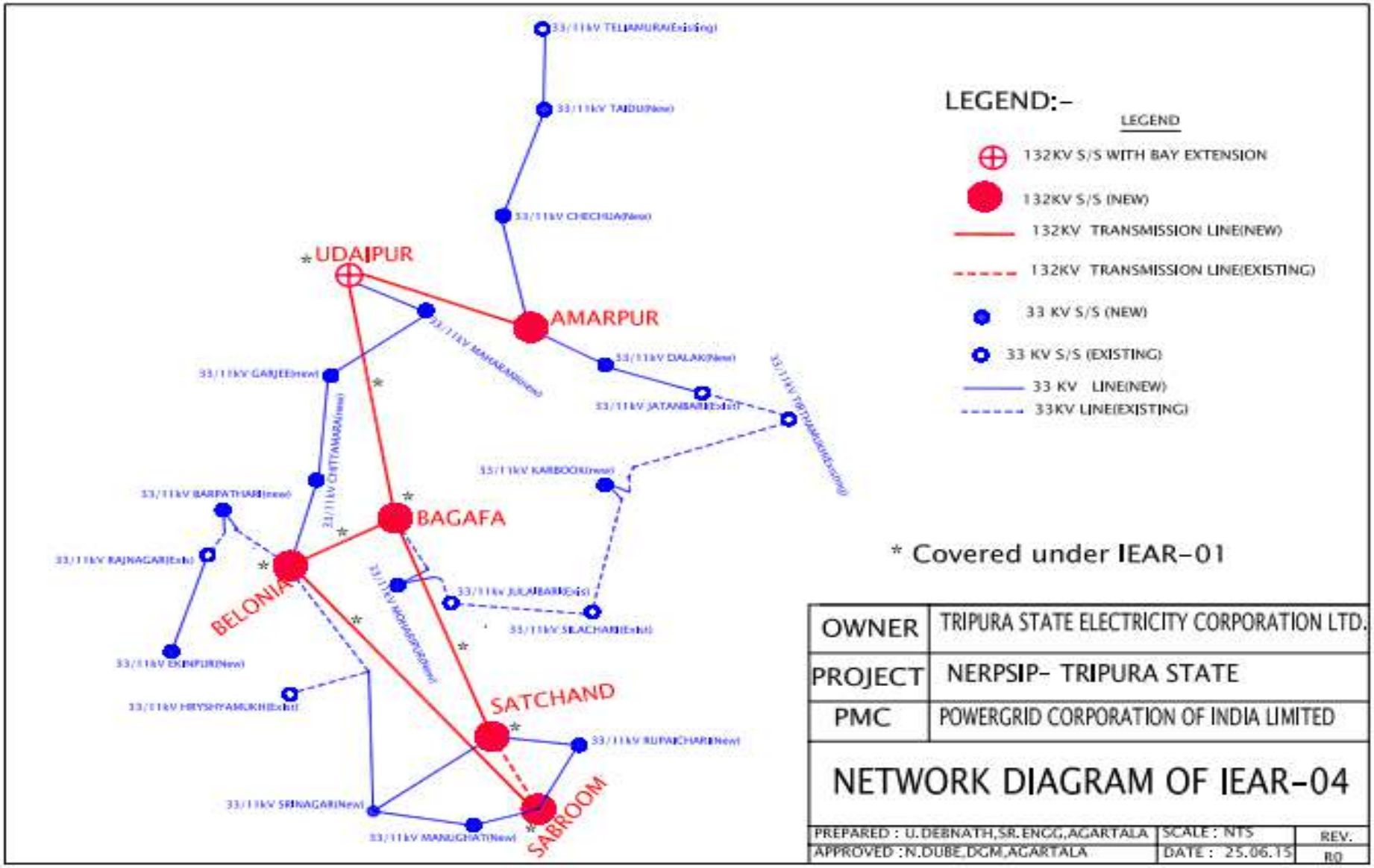
Annexure 1

Power Map of Tripura State


POWER MAP OF TRIPURA
3×7.5 MVA
132/33/11 KV
1×25 MVA, 132/33 KV
SILCHAR
KAILASHAHAR
KAMALPUR
PGCIL
P. K. BARI
KANCHANPUR
CHAMANU
MANU
AMBASSA
HEZAMARA
DHALABIL
MOHANPUR
R. C. NAGAR
JIRANIA
BARAMURA
GAMAITILA
OMPI
SURIYA MANI NAGAR
GANDACHERRA
GAKUL NAGAR
BISHRAMGANJ
UDAIPUR
AMARPUR
GUMTI
JATANBARI
PALATANA
2×363.3 MW
BAGAFA
MONARCHAK
104 MW
SATCHAND
SABROOM
4 × 21 MW
NEEPCO
LEGEND
EXISTING
U.C
PROP
400 KV LN
132 KV LN
66 KV LN
33 KV LN
400 KV S/S
132 KV S/S
66 KV S/S
33 KV S/S
G.T. P
H.E.P

Annexure 2

Schematic Map of Projects Covered in FEAR III

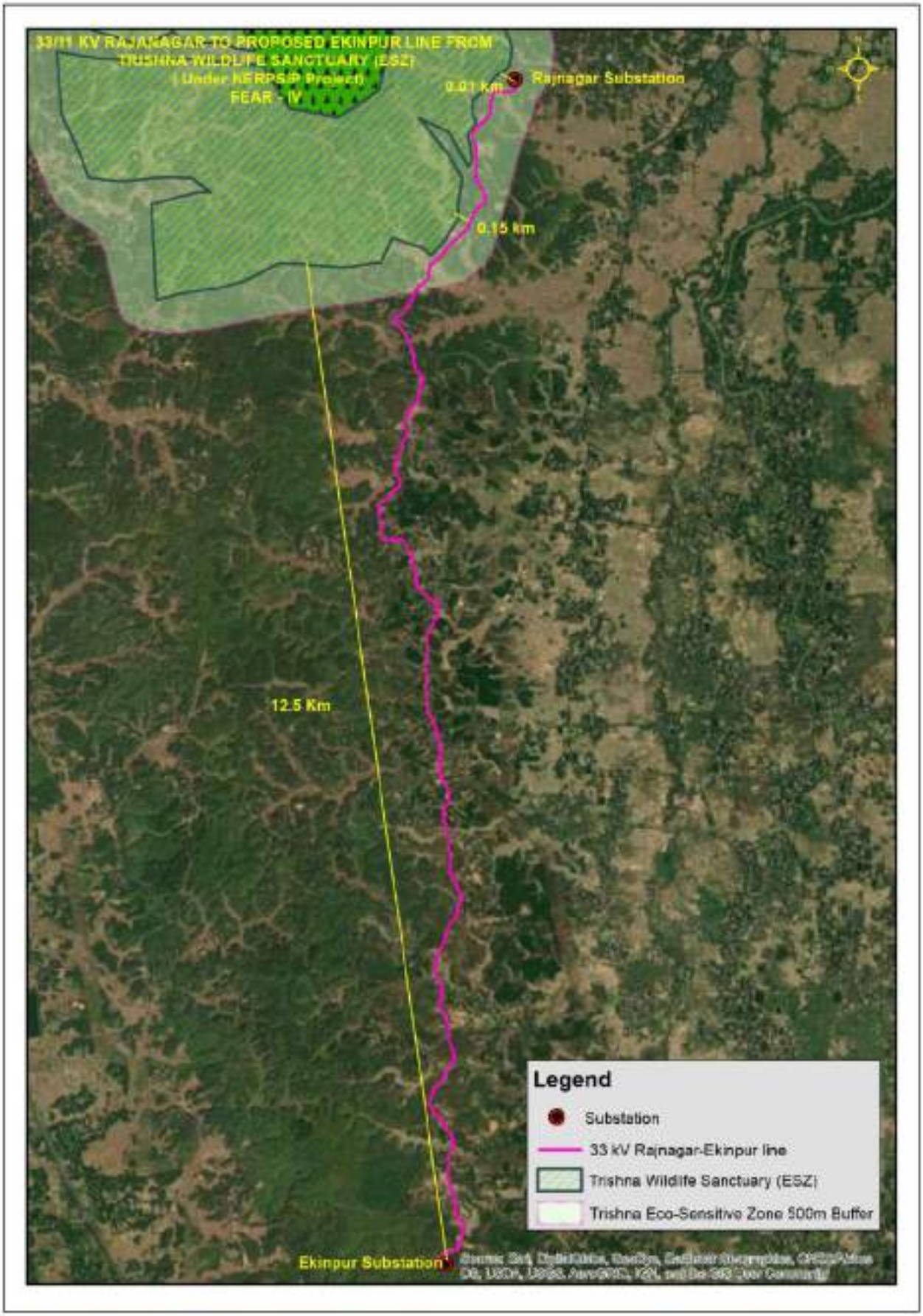

LEGEND:-
LEGEND
132KV S/S WITH BAY EXTENSION
132KV S/S (NEW)
132KV TRANSMISSION LINE(NEW)
132KV TRANSMISSION LINE(EXISTING)
33 KV S/S (NEW)
33 KV S/S (EXISTING)
33 KV LINE(NEW)
33KV LINE(EXISTING)
* Covered under IEAR-01
UDAIPUR
AMARPUR
BAGAFA
BELONIA
SATCHAND
SABROOM
33/11kV TELIAMURA(Existing)
33/11kV TAIDU(New)
33/11kV CHECHUA(New)
33/11kV DALAK(New)
33/11kV JATANBARI(Exist)
33/11kV KARBOOK(new)
33/11kV GARJEE(new)
33/11kV BARPATHARI(new)
33/11kV RAJNAGAR(Exist)
33/11kV JULAIBARI(Exist)
33/11kV SILACHARI(Exist)
33/11kV EKINPUR(New)
33/11kV HRYSHYAMUKH(Exist)
33/11kV RUPAICHARI(New)
33/11kV SRINAGAR(New)
33/11kV MANUGHAT(New)
OWNER
TRIPURA STATE ELECTRICITY CORPORATION LTD.
PROJECT
NERPSIP- TRIPURA STATE
PMC
POWERGRID CORPORATION OF INDIA LIMITED
NETWORK DIAGRAM OF IEAR-04
PREPARED : U.DEBNATH,SR.ENGG,AGARTALA
SCALE : NTS
REV.
APPROVED :N.DUBE,DGM,AGARTALA
DATE : 25.06.15
R0

Annexure 3

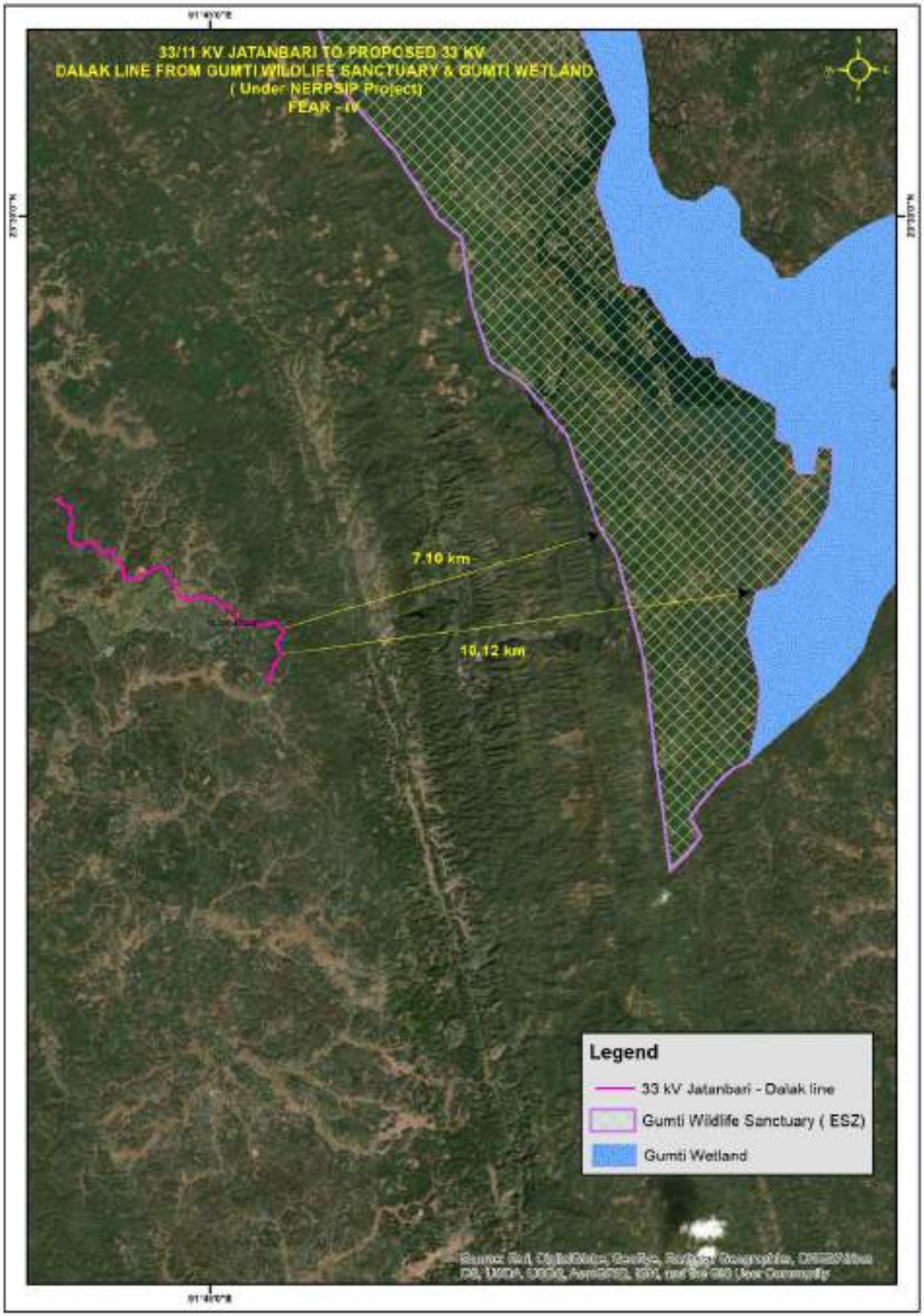
Distance of 33 kV Rajnagar-Ekinpur DL from Trishna WLS

Distance of 33 kV Jatanbari Dalak DL from Trishna WLS

Distance of 33 kV Rajnagar-Ekinpur DL from Trishna WLS



Distance of 33 kV Jatanbari Dalak DL from Trishna WLS

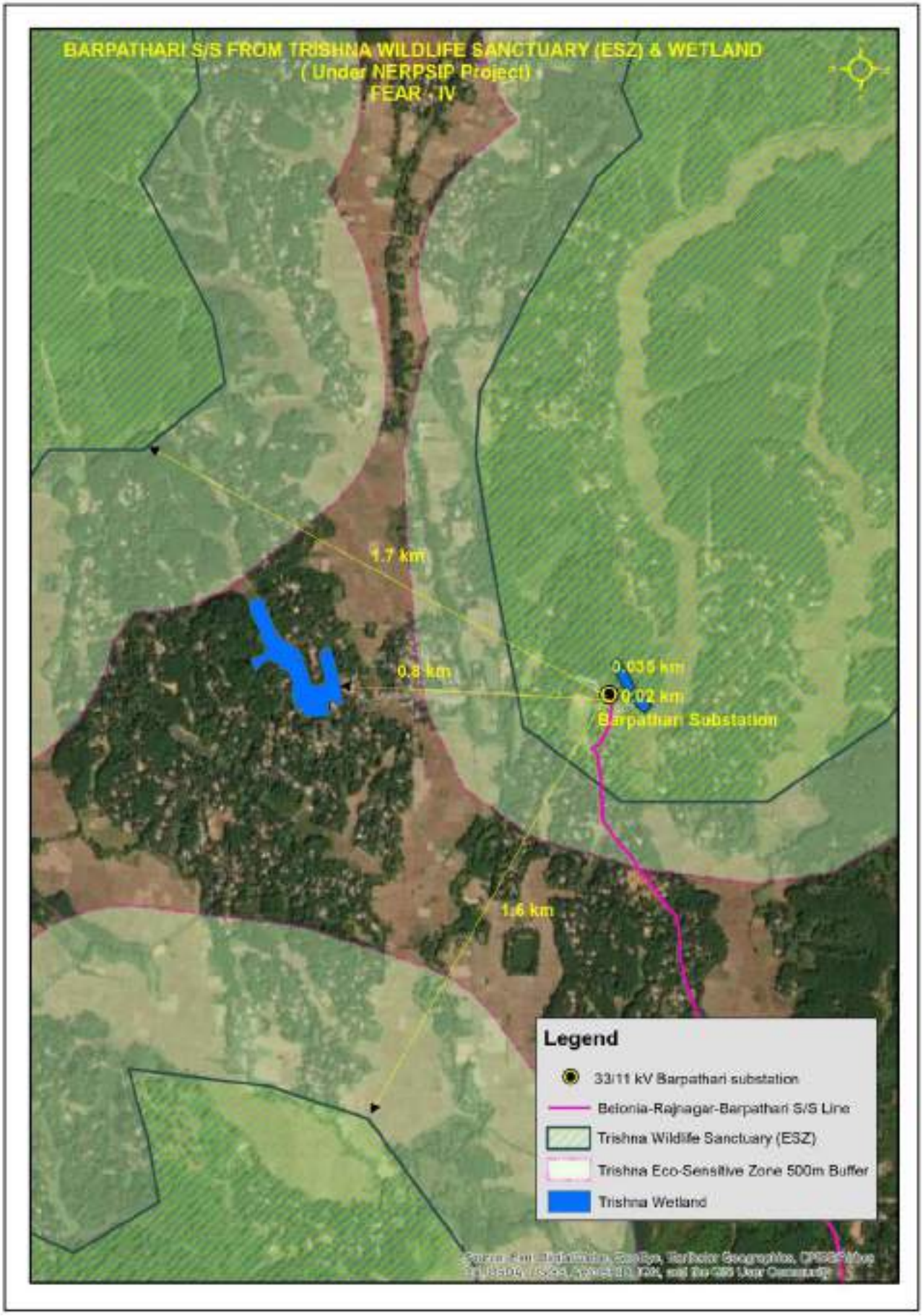


Annexure 4

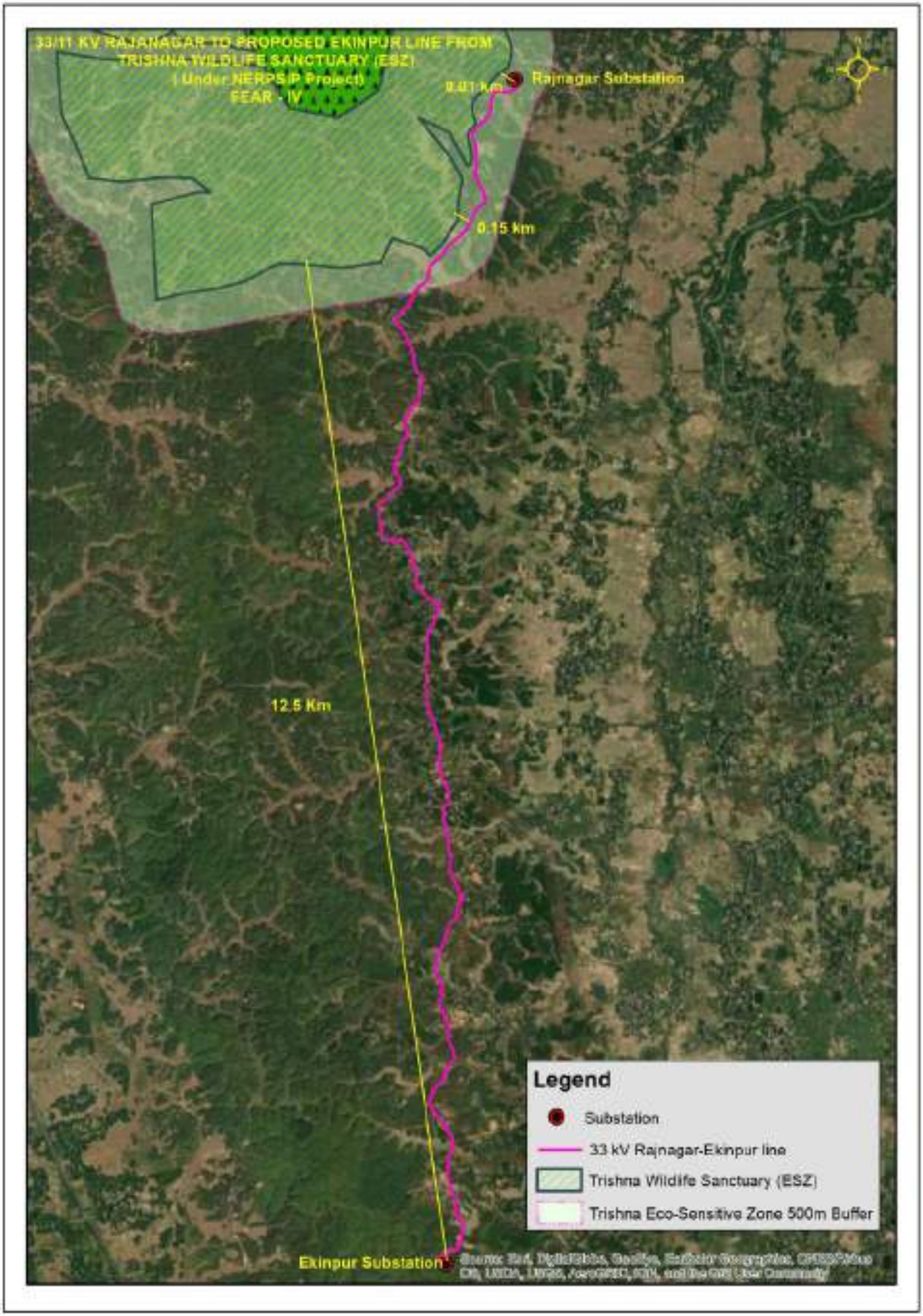
Location of 33 kV Barpathari in Trishna WLS

Location of 33 kV Rajnagar in Trishna WLS

Location of 33 kV Barpathari in Trishna WLS

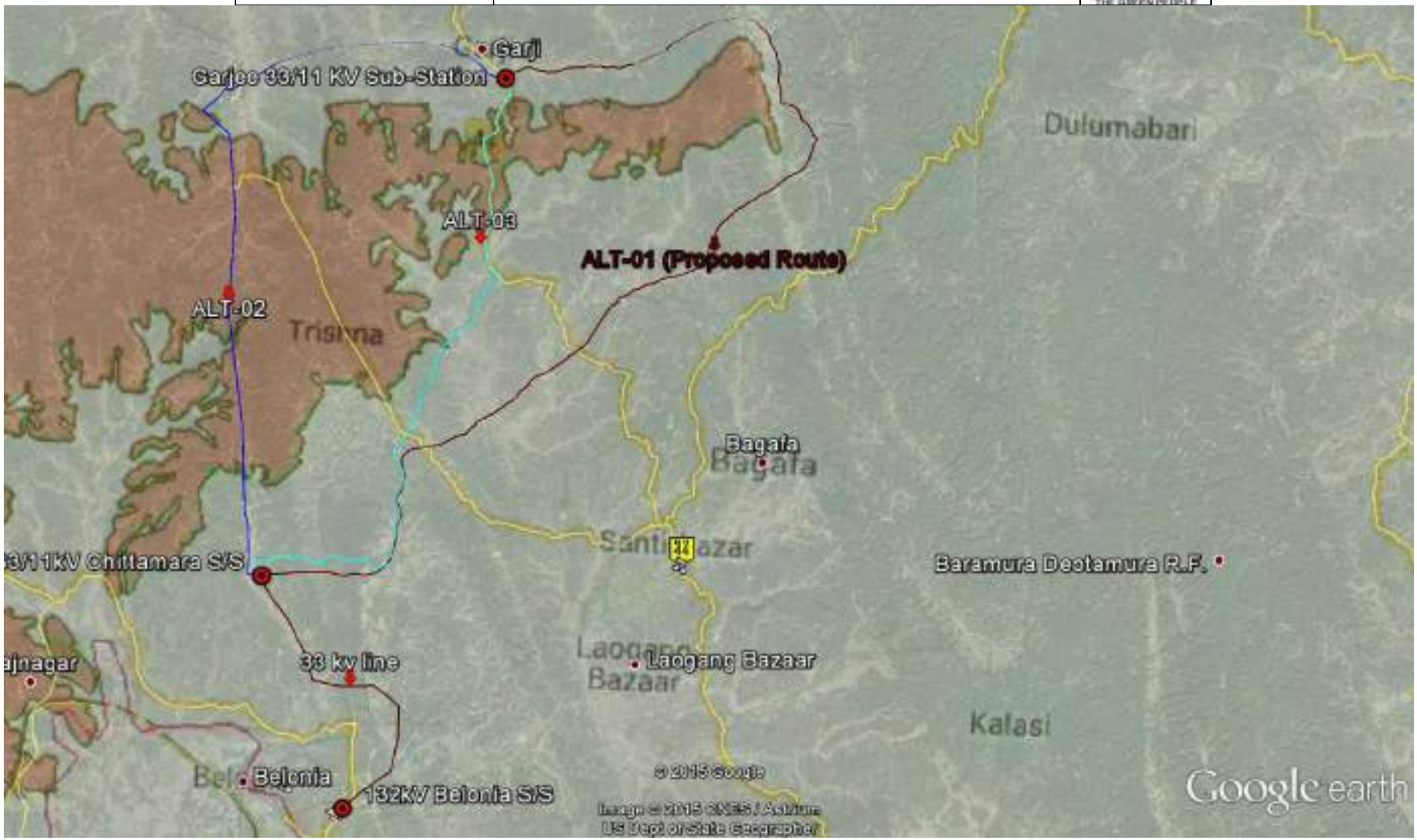


Location of 33 kV Rajnagar in Trishna WLS



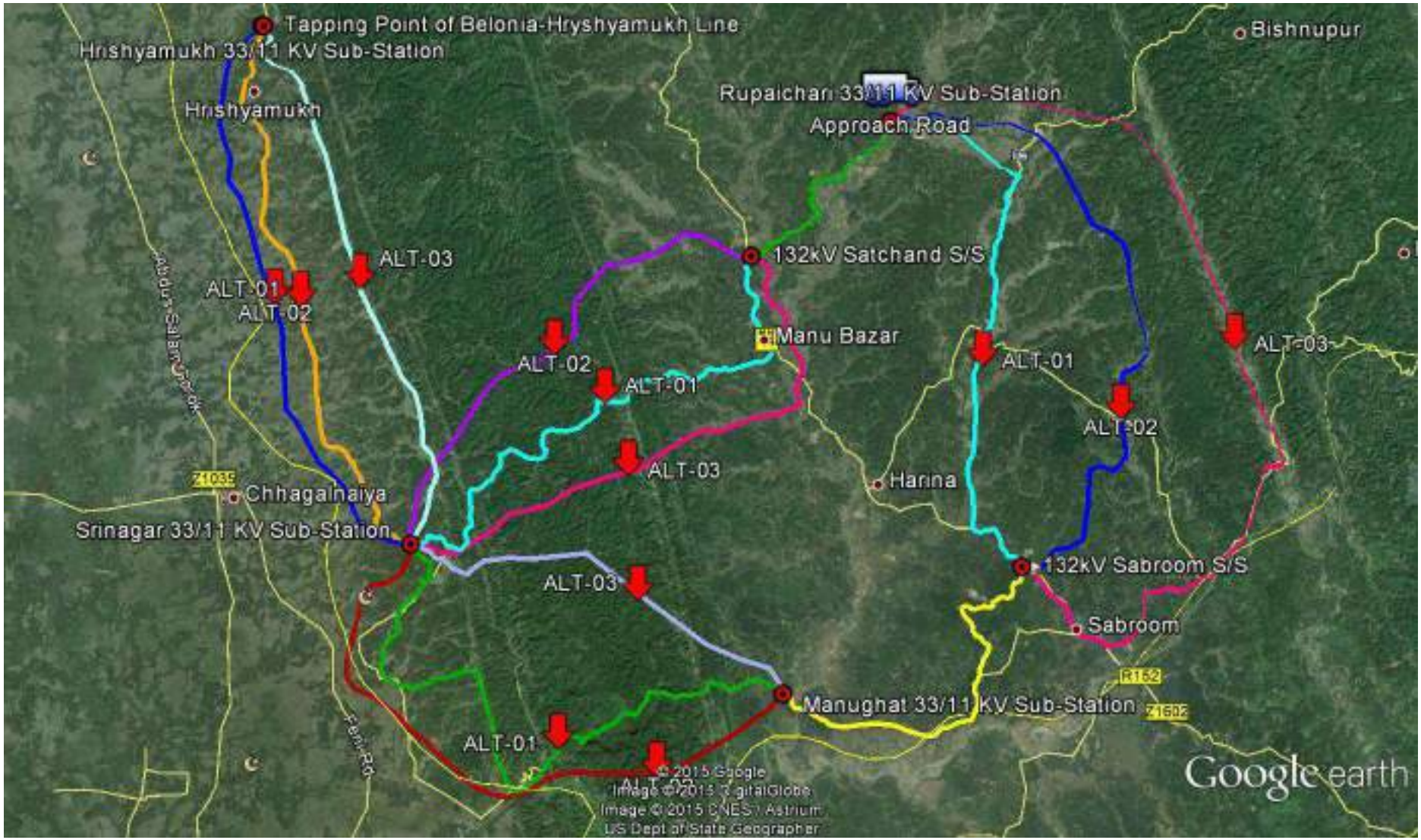
Annexure 5

Alternative Analysis of TLs



ALTERNATIVES OF 33 KVLINE FROM GARJEE TO CHITAMARA – Alternative I, II and III

3 ALTERNATIVES OF 33 KV LINE FROM EKINPUR TO RAJNAGAR



3 ALTERNATIVES OF 33 KV LINES

Annexure 6

Details of Forest Clearance from MoEFCC

a. 33 kV Line from 33/11 KV Dalak S/S (New) to 33/11 kV Jatanbari S/S (Existing)

भारत सरकार
GOVERNMENT OF INDIA
एकीकृत क्षेत्रीय कार्यालय
INTEGRATED REGIONAL OFFICE
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
लॉ डॉ बी लुम्बाटंगिन/LAW-U-SIB, LUMBATNGEN,
शिलॉंग/SHILLONG-793021
Tel. 0364-2537278; Fax. 0364-2536041
E-mail: mzefro.shillong@gov.in

F. No. 3-TR B 011/2021-SHI 260-61 17th June, 2021

सेवा में,

सचिव/Secretary,
त्रिपुरा सरकार/ Government of Tripura
पर्यावरण और वन विभाग /Department of Environment & Forests,
कुंजावन, अगरतला/ Kunjaban, Agartala.

Sub : Proposal for diversion of 2.705 Ha of Forest Land for construction of 33 Pole Line from Jatanbari Sub-station to Dhalak Sub-station under NERPSIP under DFO, Gumti by Tripura State Electricity Corporation Limited.

Sir,

This has got reference to the State Government of Tripura letter No. F.6-1291/FC/For-2021/1760-63 dated 04.03.2021 and No. F.6-1090/FC/For-2015/39-40 dated 12.04.2021 on the subject mentioned above seeking prior approval of the Central Government under Section-2 of the Forest (Conservation) Act, 1980.

2. After careful examination of the proposal of the State Government of Tripura and the additional information submitted vide their letter and F.6-1291/FC/For-2021/229-30 dated 11.06.2021, the **In-principle / Stage-I approval** of the Central Government is hereby granted for diversion of **2.705 Ha** of Forest Land for construction of 33 Pole Line from Jatanbari Sub-station to Dhalak Sub-station under NERPSIP under DFO, Gumti by Tripura State Electricity Corporation Limited, subject to the following conditions:

A: Conditions which need to be complied prior to handing over of forest land by the State Forest Department.

1. The user agency shall transfer, the Net Present Value (NPV) of the forest land being diverted under this proposal, as per the orders of the Hon'ble Supreme Court of India dated 28/03/2008, 24/04/2008 and 09/05/2008 in Writ petition (Civil) No. 202/1995 and as per the guidelines issued by the Ministry vide letters No 5-3/2007-FC dated 05.02.2009. The requisite funds shall be transferred through online portal into CAMPA account of the State concerned;

2. The user agency shall transfer the cost of raising and maintaining the compensatory afforestation at the current wage rate in consultation with State Forest Department in the account of CAMPA of the concerned State through online portal. The scheme may include appropriate provision for anticipated cost increase for works scheduled for subsequent years;

3. Evaluation and correctness of the KML/Shape file for proposed CA land as and when received from FSI, Dehradun and found satisfactory by IRO, Shillong.

9c

4. The user agency shall transfer the cost of raising dwarf plantation with the State Forest Department; in the State CAMPA fund through online portal.

5. The boundary of the diverted forest land, shall be demarcated on ground at the project cost, by erecting four feet high reinforced cement concrete pillars, each inscribed with its serial number, distance from pillar to pillar and GPS co-ordinates;

6. All the funds received from the user agency under the project shall be transferred/deposited to CAMPA account only though e-portal(https://parivesh.nic.in). Amount deposited through other made will not be accepted as compliance of the Stage-I clearance;

7. The cost of felling of trees shall be deposited by the User Agency with the State Forest Department;

8. The complete compliance of the FRA, 2006 shall be ensured by way of prescribed certificate from the District Collector;

9. Violation of any of these conditions will amount to violation of Forest(Conservation) Act, 1980 and action would be taken as prescribed in para 1.21 of Chapter 1 of the Handbook of comprehensive guidelines of Forest(Conservation) Act, 1980 as issued by this Ministry's letter No. 5-2/2017-Fc dated 28.03.2019;

10. The compliance report shall be uploaded on e-portal (https://parivesh.nic.in/);

B: Conditions which need to be strictly complied on field after handing over of forest land to the user agency by the State Forest Department but the compliance in form of undertaking shall be submitted prior to Stage-II approval:

1. Legal status of the diverted forest land shall remain unchanged;

2. Compensatory Afforestation shall be raised over double the area to be diverted i.e. 5.41 ha in a single patch identified in C.S. Plot No. 1400 & 1402, Khatian No. 2,2-80 of Mouja Gamaichhara, Ampi Range in Amarpur Sub-Division, Gomati District ;

3. At the time of payment of the Net Present Value (NPV) at the then prevailing rate, the User Agency shall furnish an undertaking to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India;

4. All other clearances / NOCs under different rules / regulations / local laws and under Forest Dwellers (Recognition of Forest Rights) Act, 2006 as required vide MoEF, New Delhi guideline No. 11-9/98-FC(Pt) dated 05.02.2013 shall be complied with;

5. The User Agency at its cost shall provide bird deflectors, which are to be fixed on upper conductor of transmission line at suitable intervals to avoid bird hits;

6. The User Agency shall comply with the guidelines for laying transmission through forest areas issued by Ministry vide letter no. 7-25/2012-FC dated 05/05/2014 & 19/11/2014;

7. The User Agency shall obtain the Environmental Clearance under Environment (Protection) Act, 1986, if applicable;

8. The lay out of the proposal shall not be changed without the prior approval of the Central Government;

9. No labour camps shall be established on the forest land;

10. Sufficient firewood, preferably the alternative fuel, shall be provided by the User Agency to the labourer after purchasing the same from the State Forest Department or the Forest Development Corporation or any other legal source of alternative fuel;

11. The boundary of the diverted forest land shall be suitably demarcated on ground at the project cost, as per the directions of the concerned Divisional Forest Officer;

12. No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work;

13. The period of diversion under this approval shall be co-terminus with the period of lease to be granted in favour of the user agency or the project life, whichever is less;

14. The forest land shall not be used for any purpose other than that specified in the project proposal.

15. The User Agency and the State Government shall ensure compliance of all the Court orders, provisions, rules, regulations and guidelines for the time being in force as applicable to the project;

16. The User Agency will have to obtain the Forest (Conservation) Act, 1980 clearance for removal, if any, of stone, river sand, river boulders in forest land;

17. The forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department or person without prior approval of Govt. of India;

3. After receipt of the compliance report from the State Government on fulfilment of the conditions mentioned above, final approval will be issued in this regard. Formal transfer of forest land shall not be effected by the State Govt till final approval is granted by the Central Government.

भवदीय,

(W. I. Yatben)

उप वन महानिरीक्षक (केंद्रीय)/ Deputy Inspector General of Forests (C)

Copy to:

1. प्रधान मुख्य वन संरक्षक, त्रिपुरा सरकार, पर्यावरण और वन विभाग, कुंजावन, अगरतला / Principal Chief Conservator of Forests, Govt. of Tripura, Department of Environment & Forests, Kunjaban, Agartala.

उप वन महानिरीक्षक (केंद्रीय)/ Deputy Inspector General of Forests (C)

b.33 kV Line from 33/11 kV Moharipur S/S (New) to LILO of Jolaibari- Bagafa

भारत सरकार
GOVERNMENT OF INDIA
एकीकृत क्षेत्रीय कार्यालय
INTEGRATED REGIONAL OFFICE
पर्यावरण ,वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
लॉड सीब सुम्बर्तनेन/LAW-U-SIB, LUMBATNGEN,
शिलांग/SHILLONG-793021
Tel. 0364-2537278; Fax. 0364-2538041
E-mail: mcefro.shillong@gov.in

F. No. 3-TR B 013/2021-SHI 274-75 17th June, 2021

सेवा में,

सचिव/Secretary,
त्रिपुरा सरकार/ Government of Tripura
पर्यावरण और वन विभाग /Department of Environment & Forests,
कुंजावन, अगरतला/ Kunjaban, Agartala.

Sub : Proposal for diversion of 18.1999 ha of forest land for construction of 33 KV Pole line from Jolaibari to Silachari under DFO, Gumti/South of Tripura by Tripura State Electricity Corporation Limited.

Sir,

This has got reference to the State Government of Tripura letter No. F.6-1284/FC/For-2020/1797-91 dated 09.03.2021 and F.6-1284/FC/For-2020/41-42 dated 13.04.2021on the subject mentioned above seeking prior approval of the Central Government under Section-2 of the Forest (Conservation) Act, 1980.

2. After careful examination of the proposal of the State Government of Tripura and the additional information submitted vide their letter and F.6-1284/FC/For-2020/71-72 dated 13.04.2021, the proposal was discussed in the Regional Empowered Committee (REC) in its meeting held on 27.04.2021, the **In-principle / Stage-I approval** of the Central Government is hereby granted for diversion of **18.1999 ha** of forest land for construction of 33 KV Pole line from Jolaibari to Silachari under DFO, Gumti/South of Tripura by Tripura State Electricity Corporation Limited, subject to the following conditions:

A: Conditions which need to be complied prior to handing over of forest land by the State Forest Department.

1. The user agency shall transfer, the Net Present Value (NPV) of the forest land being diverted under this proposal, as per the orders of the Hon'ble Supreme Court of India dated 28/03/2008, 24/04/2008 and 09/05/2008 in Writ petition (Civil) No. 202/1995 and as per the guidelines issued by the Ministry vide letters No 5-3/2007-FC dated 05.02.2009. The requisite funds shall be transferred through online portal into CAMPA account of the State concerned;

2. The user agency shall transfer the cost of raising and maintaining the compensatory afforestation at the current wage rate in consultation with State Forest Department in the account of CAMPA of the concerned State through online portal. The scheme may include appropriate provision for anticipated cost increase for works scheduled for subsequent years;

O/c

3. The user agency shall transfer the cost of raising dwarf plantation with the State Forest Department; in the State CAMPA fund through online portal.

4. The boundary of the diverted forest land, shall be demarcated on ground at the project cost, by erecting four feet high reinforced cement concrete pillars, each inscribed with its serial number, distance from pillar to pillar and GPS co-ordinates;

5. All the funds received from the user agency under the project shall be transferred/deposited to CAMPA account only though e-portal(https://parivesh.nic.in). Amount deposited through other made will not be accepted as compliance of the Stage-I clearance;

6. The cost of felling of trees shall be deposited by the User Agency with the State Forest Department;

7. The complete compliance of the FRA, 2006 shall be ensured by way of prescribed certificate from the District Collector;

8. Violation of any of these conditions will amount to violation of Forest(Conservation) Act, 1980 and action would be taken as prescribed in para 1.21 of Chapter 1 of the Handbook of comprehensive guidelines of Forest(Conservation) Act, 1980 as issued by this Ministry's letter No. 5-2/2017-Fc dated 28.03.2019;

9. The compliance report shall be uploaded on e-portal (https://parivesh.nic.in/);

B: Conditions which need to be strictly complied on field after handing over of forest land to the user agency by the State Forest Department but the compliance in form of undertaking shall be submitted prior to Stage-II approval:

1. Legal status of the diverted forest land shall remain unchanged;

2. Compensatory Afforestation shall be raised Compensatory Afforestation has been identified in 3 (three) locations i.e. **5.30 ha** in C.S. Plot No. 1514, 1517, 1661 of Khatian No. 4/132 & 4/135 of Bormura Deotamura RF in Kalukia Range, **24.28 ha** in C.S. Plot No. 1665 of Khatian No. 4/133 of Bormura Deotamura RF in Kalukia Range and **7.81 ha** in C.S. Plot No. 1363 – 1369 of Khatian No. 2-64, 2-66 & 2-69, Mouja Gamaichhara, Ampi TK, Amarpur Sub Division of Gomati District;

3. At the time of payment of the Net Present Value (NPV) at the then prevailing rate, the User Agency shall furnish an undertaking to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India;

4. All other clearances / NOCs under different rules / regulations / local laws and under Forest Dwellers (Recognition of Forest Rights) Act, 2006 as required vide MoEF, New Delhi guideline No. 11-9/98-FC(Pt) dated 05.02.2013 shall be complied with;

5. The User Agency at its cost shall provide bird deflectors, which are to be fixed on upper conductor of transmission line at suitable intervals to avoid bird hits;

6. The User Agency shall comply with the guidelines for laying transmission through forest areas issued by Ministry vide letter no. 7-25/2012-FC dated 05/05/2014 & 19/11/2014;

7. The User Agency shall obtain the Environmental Clearance under Environment (Protection) Act, 1986, if applicable;

8. The lay out of the proposal shall not be changed without the prior approval of the Central Government;

9. No labour camps shall be established on the forest land;

10. Sufficient firewood, preferably the alternative fuel, shall be provided by the User Agency to the labourer after purchasing the same from the State Forest Department or the Forest Development Corporation or any other legal source of alternative fuel;

11. The boundary of the diverted forest land shall be suitably demarcated on ground at the project cost, as per the directions of the concerned Divisional Forest Officer;

12. No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work;

13. The period of diversion under this approval shall be co-terminus with the period of lease to be granted in favour of the user agency or the project life, whichever is less;

14. The forest land shall not be used for any purpose other than that specified in the project proposal.

15. The User Agency and the State Government shall ensure compliance of all the Court orders, provisions, rules, regulations and guidelines for the time being in force as applicable to the project;

16. The User Agency will have to obtain the Forest (Conservation) Act, 1980 clearance for removal, if any, of stone, river sand, river boulders in forest land;

17. The forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department or person without prior approval of Govt. of India;

3. After receipt of the compliance report from the State Government on fulfilment of the conditions mentioned above, final approval will be issued in this regard. Formal transfer of forest land shall not be effected by the State Govt till final approval is granted by the Central Government.

भवदीय,

(W. L. Yaboh)

उप वन महानिरीक्षक (केंद्रीय)/ Deputy Inspector General of Forests (C)

Copy to:

1. प्रधान मुख्य वन संरक्षक, त्रिपुरा सरकार, पर्यावरण और वन विभाग, कुंजावन, अगरतला / Principal Chief Conservator of Forests, Govt. of Tripura, Department of Environment & Forests, Kunjaban, Agartala.

उप वन महानिरीक्षक (केंद्रीय)/ Deputy Inspector General of Forests (C)

c. 33 kV Line from 33/11 KV Taidu S/S (New) to 33/11kV Teliamura S/S (Existing)

भारत सरकार
GOVERNMENT OF INDIA
एकीकृत क्षेत्रीय कार्यालय
INTEGRATED REGIONAL OFFICE
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
लॉ सीब लुम्बतंगेन/LAW-U-SIB, LUMBATNGEN,
शिलॉंग/SHILLONG-793021
Tel. 0364-2537278; Fax. 0364-2536041
E-mail: moefcc.shillong@gov.in

F. No. 3-TR C 012/2021-SHI 421-22 5th May, 2021

सेवा में,

सचिव/Secretary,
त्रिपुरा सरकार/ Government of Tripura
पर्यावरण और वन विभाग /Department of Environment & Forests,
कुंजावन, अगरतला/ Kunjaban, Agartala.

Sub : Proposal for diversion of 5.09487 Ha of Forest Land for construction of 33 KV Overhead line from Teliamura to Taidu under NERPSIP under DFO, Khowai & Gumti, Tripura.

Sir,

This has got reference to the State Government of Tripura letter No. F.6-1249/FC/For-2020/1764-68 dated 05.03.2021 and even No.37-38 Dated 12.04.2021 on the subject mentioned above seeking prior approval of the Central Government under Section-2 of the Forest (Conservation) Act, 1980.

2. After careful examination of the proposal of the State Government of Tripura and the additional information submitted vide their letter of even No. 37-38 Dated 12.04.2021, the proposal was discussed in the Regional Empowered Committee (REC) in its meeting held on 27.04.2021, the **In-principle / Stage-I approval** of the Central Government is hereby granted for diversion of **5.09487 Ha** of Forest Land for construction of 33 KV Overhead line from Teliamura to Taidu under NERPSIP under DFO, Khowai & Gumti, Tripura, subject to the following conditions:

A: Conditions which need to be complied prior to handing over of forest land by the State Forest Department.

1. The user agency shall transfer, the Net Present Value (NPV) of the forest land being diverted under this proposal, as per the orders of the Hon'ble Supreme Court of India dated 28/03/2008, 24/04/2008 and 09/05/2008 in Writ petition (Civil) No. 202/1995 and as per the guidelines issued by the Ministry vide letters No 5-3/2007-FC dated 05.02.2009. The requisite funds shall be transferred through online portal into CAMPA account of the State concerned;

2. The user agency shall transfer the cost of raising and maintaining the compensatory afforestation at the current wage rate in consultation with State Forest Department in the account of CAMPA of the concerned State through online portal. The scheme may include appropriate provision for anticipated cost increase for works scheduled for subsequent years;

3. The user agency shall transfer the cost of raising dwarf plantation with the State Forest Department; in the State CAMPA fund through online portal.

4. The boundary of the diverted forest land, shall be demarcated on ground at the project cost, by erecting four feet high reinforced cement concrete pillars, each inscribed with its serial number, distance from pillar to pillar and GPS co-ordinates;

5. All the funds received from the user agency under the project shall be transferred/deposited to CAMPA account only though e-portal(https://parivesh.nic.in). Amount deposited through other made will not be accepted as compliance of the Stage-I clearance;

6. The cost of felling of trees shall be deposited by the User Agency with the State Forest Department;

7. The complete compliance of the FRA, 2006 shall be ensured by way of prescribed certificate from the District Collector;

8. Violation of any of these conditions will amount to violation of Forest(Conservation) Act, 1980 and action would be taken as prescribed in para 1.21 of Chapter 1 of the Handbook of comprehensive guidelines of Forest(Conservation) Act, 1980 as issued by this Ministry's letter No. 5-2/2017-Fc dated 28.03.2019;

9. The compliance report shall be uploaded on e-portal (https://parivesh.nic.in/);

B: Conditions which need to be strictly complied on field after handing over of forest land to the user agency by the State Forest Department but the compliance in form of undertaking shall be submitted prior to Stage-II approval:

1. Legal status of the diverted forest land shall remain unchanged;

2. Compensatory Afforestation shall be raised over 10.22 ha in 2 (two) locations i.e.2.5 ha in C.S. Plot No. 736 & 791, Khatian No. No.2/11, 2/4, Teliamura Range, Khowai District & 7.72 ha in C.S. Plot No. 1402, Khatia No. No.2/80, Gamaicharra, Amarpuir Sub-Division, Gomati District;

3. At the time of payment of the Net Present Value (NPV) at the then prevailing rate, the User Agency shall furnish an undertaking to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India;

4. All other clearances / NOCs under different rules / regulations / local laws and under Forest Dwellers (Recognition of Forest Rights) Act, 2006 as required vide MoEF, New Delhi guideline No. 11-9/98-FC(Pt) dated 05.02.2013 shall be complied with;

5. The User Agency at its cost shall provide bird deflectors, which are to be fixed on upper conductor of transmission line at suitable intervals to avoid bird hits;

6. The User Agency shall comply with the guidelines for laying transmission through forest areas issued by Ministry vide letter no. 7-25/2012-FC dated 05/05/2014 & 19/11/2014;

7. The User Agency shall obtain the Environmental Clearance under Environment (Protection) Act, 1986, if applicable;

8. The lay out of the proposal shall not be changed without the prior approval of the Central Government;

9. No labour camps shall be established on the forest land;

10. Sufficient firewood, preferably the alternative fuel, shall be provided by the User Agency to the labourer after purchasing the same from the State Forest Department or the Forest Development Corporation or any other legal source of alternative fuel;

11. The boundary of the diverted forest land shall be suitably demarcated on ground at the project cost, as per the directions of the concerned Divisional Forest Officer;

12. No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work;

13. The period of diversion under this approval shall be co-terminus with the period of lease to be granted in favour of the user agency or the project life, whichever is less;

14. The forest land shall not be used for any purpose other than that specified in the project proposal.

15. The User Agency and the State Government shall ensure compliance of all the Court orders, provisions, rules, regulations and guidelines for the time being in force as applicable to the project;

16. The User Agency will have to obtain the Forest (Conservation) Act, 1980 clearance for removal, if any, of stone, river sand, river boulders in forest land;

17. The forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department or person without prior approval of Govt. of India;

3. After receipt of the compliance report from the State Government on fulfilment of the conditions mentioned above, final approval will be issued in this regard. Formal transfer of forest land shall not be effected by the State Govt till final approval is granted by the Central Government.

भवदीय,

(W. I. Yabon)

उप वन महानिरीक्षक (केंद्रीय)/ Deputy Inspector General of Forests (C)

Copy to:

1. प्रधान मुख्य वन संरक्षक, त्रिपुरा सरकार , पर्यावरण और वन विभाग , कुंजावन, अगरतला / Principal Chief Conservator of Forests, Govt. of Tripura, Department of Environment & Forests, Kunjaban, Agartala.

5/5/11

उप वन महानिरीक्षक (केंद्रीय)/ Deputy Inspector General of Forests (C)

B/C

d.33/11kV Barpathari S/S

भारत सरकार
GOVERNMENT OF INDIA
एकीकृत क्षेत्रीय कार्यालय
INTEGRATED REGIONAL OFFICE
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
लॉ हौब लुम्बातंगेन/LAW-U-SIB, LUMBATNGEN,
शिलॉंग/SHILLONG-793021
Tel. 0364-2537278; Fax. 0364-2538041
E-mail: moefro.shillong@gov.in

F. No. 3-TR B 045/2019-SHI 3888-89 18th March, 2021

सेवा में,

सचिव/Secretary,
त्रिपुरा सरकार/ Government of Tripura
पर्यावरण और वन विभाग /Department of Environment & Forests,
कुंजावन, अगरतला/ Kunjaban, Agartala.

Sub : Proposal for diversion of 0.2209 ha of forest land for establishment of 33/11 KV sub-station at Barpathari under DFO, South District of Tripura.

Sir,

This has got reference to Government of Tripura letter No. F.6-1163/FC/For-2018/913-916 dated 13.02.2019 and F.6-1163/FC/For-2018/1217-18 dated 14.02.2020 on the subject mentioned above seeking prior approval of the Central Government under Section-2 of the Forest (Conservation) Act, 1980. After careful consideration of the proposal, In-principle approval (IPA) was granted vide this office letter of even number dated 04.03.2020 subject to fulfillment of certain conditions.

In this connection and on the basis of the compliance report furnished by the State Government vide letter No. F.6-1163/FC/For-2018/1007-1009 dated 12.11.2020 and even no. 1480-81 dated 19.01.2021 and 02.03.2021 and submission of compensatory levies by e-challan and online payment by user agency under CAMPA, **Final approval** of the Central Government is hereby granted under Section-2 of the Forest (Conservation) Act, 1980 for diversion of **0.2209 ha** of forest land for establishment of 33/11 KV sub- station at Barpathari under DFO, South District of Tripura, subject to the following conditions:

(1) Legal status of the diverted forest land shall remain unchanged.

(2) The Compensatory Afforestation shall be raised and maintained by the Forest Department over double the area **i.e. 0.44 ha** degraded forest land identified in Tulatali Bari RF, Rangamura Range, Trisha Forest Division, South District of Tripura as per the funds deposited by the User Agency. As far as possible, a mixture of local indigenous species shall be planted and monoculture of any species may be avoided.

(3) The State Government shall further enquire into the admitted lapse of the user agency and take necessary action as per IFA before the handing over of the land to the user agency. Action Taken Report to be submitted to this office, immediately thereafter.

(4) All other clearances / NOCs under different rules / regulations / local laws and under Forest Dwellers (Recognition of Forest Rights) Act, 2006 as required vide MoEF, New Delhi guideline No. 11-9/98-FC(Pt) dated 05.02.2013 shall be complied with.

(5) The User Agency at its cost shall provide bird deflectors, which are to be fixed on upper conductor of transmission line at suitable intervals to avoid bird hits.

(6) The User Agency shall comply with the guidelines for laying transmission through forest areas issued by Ministry vide letter no. 7-25/2012-FC dated 05/05/2014 & 19/11/2014.

D/e

(7) The User Agency shall obtain the Environmental Clearance under Environment (Protection) Act, 1986, if applicable.

(8) The lay out of the proposal shall not be changed without the prior approval of the Central Government.

(9) No labour camps shall be established on the forest land.

(10) Sufficient firewood, preferably the alternative fuel, shall be provided by the User Agency to the labourer after purchasing the same from the State Forest Department or the Forest Development Corporation or any other legal source of alternative fuel.

(11) The boundary of the diverted forest land shall be suitably demarcated on ground at the project cost, as per the directions of the concerned Divisional Forest Officer.

(12) No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work.

(13) The period of diversion under this approval shall be co-terminus with the period of lease to be granted in favour of the user agency or the project life, whichever is less.

(14) The forest land shall not be used for any purpose other than that specified in the project proposal.

(15) The State Govt shall ensure the user agency complies with all the conditions recommended by the Standing Committee of National Board of Wildlife:

(a) Conservation of artificial water holes and salt licks for wild animals need to be taken up for development of wildlife habitat at the cost of user agency.

(b) Plantation of Napier grass and fruit bearing species needs to be done from the funds provided by the user agency up for development of wildlife habitat.

(c) The annual compliance certificate on the stipulated conditions should be submitted by the project proponent to the State Chief Wildlife Warden and an annual compliance certificate shall be submitted by the State Chief Wildlife Warden to Govt of India.

(16) The User Agency and the State Government shall ensure compliance of all the Court orders, provisions, rules, regulations and guidelines for the time being in force as applicable to the project.

(17) The User Agency will have to obtain the Forest (Conservation) Act, 1980 clearance for removal, if any, of stone, river sand, river boulders in forest land.

(18) The forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department or person without prior approval of Govt. of India.

(19) Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as per the MoEF & CC Guidelines F No. 11-42/2017-FC dated 29/01/2018.

Any other conditions that the Integrated Regional Office, Shillong may stipulate from time to time in the interest of conservation, protection and development of forests & wildlife.

भवदीय,

(W. I. Yaiboi)

उप वन महानिरीक्षक (केंद्रीय)/

Deputy Inspector General of Forests (C)

Copy to:

1. प्रधान मुख्य वन संरक्षक, त्रिपुरा सरकार , पर्यावरण और वन विभाग , कुंजावन, अगरतला / Principal Chief Conservator of Forests, Govt. of Tripura, Department of Environment & Forests, Kunjaban, Agartala.

उप वन महानिरीक्षक (केंद्रीय)/
Deputy Inspector General of Forests (C)

O/c

e. 33/11kV Ekinpur S/S

GOVERNMENT OF TRIPURA
FOREST DEPARTMENT

No.F. 6-1165/FC/For-18/ 29812-819 Dated, the, 20 /10/2020

ORDER

Subject: - Proposal for diversion of 0.1962 ha of forest land for establishment of 33/11 KV Sub-Station at Ekinpur under District Forest Officer, South

Whereas, the Addl. General Manager, TSECL, Agartala made an application for diversion of forest land measuring 0.1962 ha of forest land for establishment of 33/11 KV Sub-Station at Ekinpur under District Forest Officer, South in Khatian No.-2/4 and CS Plot No.3273 of Mouja-Tebaria under Belonia Sub-Division, South District seeking approval of the Central Government under Section 2(ii) of Forest (Conservation) Act, 1980 for the purpose of establishment of 33/11 KV Sub-Station at Ekinpur.

And whereas, the said proposal was considered and examined by the Forest Department and In-Principle approval issued under Forest (Conservation) Act, 1980 vide order No.F. 6-1165/FC/For-18/01-07 dated 02.04.2020 subject to certain conditions:

And whereas, the User Agency has transferred the cost of NPV and Compensatory Afforestation through e-payment system in favour of Compensatory Afforestation Fund(CAF) Tripura in the State Account No.SB01025228 of Corporation Bank , New Delhi. The same was confirmed in the portal.

Now, therefore, the State Government in exercise of the powers delegated by the Central Government under Section 2(ii) of Forest (Conservation) Act, 1980-Critical Public & Strategic Defence Infrastructure is hereby conveys **"Final Approval"** under Section-2(ii) of FCA, 1980 for establishment of 33/11 KV Sub-Station at Ekinpur subject to the following conditions:-

i. The legal status of the land shall remain unchanged
ii. Forest land utilized for establishment of Power Sub-Station project shall not be used for any purpose other than that specified in the approval accorded by this State Government. Any change in the land use without prior permission of the Central Govt./ State Govt. shall amount to violation of the Forest (Conservation) Act, 1980. Request of such changes shall be made by the user agency to the Nodal Officer, FCA, 1980.
iii. The diverted forest land shall revert back to the Forest Department when no longer needed by user agency.
iv. The forest land proposed to be diverted shall be located outside the Protected Areas notified under the Wildlife (Protection) Act, 1972.
v. User Agency shall explore all possible alternatives to minimize use of forest land. Forest land to be used for establishment of Power Sub-Station project shall be restricted to the bare minimum and shall be used only when it is unavoidable.
vi. Compensatory Afforestation shall be carried out over 0.40 ha of degraded forest land in CS plot No.681, Kh.No.3/12 of Mouja- Nidaya under District Forest Officer, South.
vii. Permanent demarcation of forest land shall be done on the ground four feet high reinforced cement concrete pillars with serial numbers, forward and back bearings and distance from pillar to pillar.
viii. The user agency to provide fuel wood preferably alternate fuel to the labourers and the staff working at the site so as to avoid any damage and pressure of adjacent forest areas.
ix. The DFO, South will take appropriate action on the violation matter, if not taken as per para 1.21.ii) on ex post facto approval penal provisions of handbook of Forest (Conservation) Act,1980 and

Forest Conservation Rules 2003 Guidelines and Clarifications before issuing work permission on the project or within 3 months whichever is earlier.

x. The complete compliance of the FRA, 2006 shall be ensured by way of prescribed certificate from the concerned District Collector

xi. The project should not involve felling of more than 50(fifty) numbers of trees/ha.

xii. The project site should be outside the National Park / Wildlife Sanctuary / Protected areas

xiii. The concerned DFO will monitor and take necessary measures to ensure that there is no adverse impact on the forests in the surrounding area.

xiv. The User Agency and the State Government shall ensure compliance of all the court orders, provisions, rules, regulations and guidelines for the time being in force as application to the project.

xv. Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as per the MoEF & CC guideline F.No.11-42/2017-FC dt. 29.01.2018.

xvi. Any other conditions that the Ministry of Environment, Forests & Climate Change any stipulation from time to time in the interest of conservation, protection and development of forest & wildlife. The State Government shall ensure compliance of all the above conditions

2. The area of proposed diversion is less than 1.00 ha therefore the State Govt. is empowered to convey the General Approval under Section 2(ii) of Forest (Conservation) Act, 1980-Critical/ Strategic Defence Infrastructure.

20.10.20

(Harshakumar C.)
Jt. Secretary
to the Government of Tripura

Copy to:-

1. The Principal Chief Conservator of Forests & HoEF, Tripura for favour of kind information please.
2. The Deputy Director General of Forests (C), Ministry of Environment & Forests North Eastern Regional Office, Law-U-Sib, Lumbatngen, Near M.T.C. Workshop, Shillong 793021 of kind information please
3. The Nodal Officer, FCA, O/O- the Principal Chief Conservator of Forests, Tripura for favour of kind information please.
4. The Chief Conservator of Forests (T), FHQ for kind information.
5. The District Magistrate & Collector, South for kind information.
6. The District Forest Officer, South for kind information.
7. The Wildlife Warden, Trishna Wildlife Sanctuary for kind information.
8. The Addl. General Manager, Transmission Circle, TSECL, 79 Jilla, Agartala for kind information.

20.10.20

Jt. Secretary
to the Government of Tripura

Annexure 7

MoP Guidelines Dated 5th OCT.'15 for Payment of Compensation for Transmission Line

No.3/7/2015-Trans
Government of India
Ministry of Power
Shram Shakti Bhawan
Rafi Marg, New Delhi – 110001

Dated, 15th October, 2015

To

1. Chief Secretaries/Administrators of all the States/UTs (As per list attached)
2. Chairperson, CEA, New Delhi with the request to disseminate the above guidelines to all the stakeholders
3. CMD, PGCIL, Gurgaon.
4. CEO, POSOCO, New Delhi.
5. Secretary, CERC, New Delhi.
6. CMD of State Power Utilities/SEBs

Subject: Guidelines for payment of compensation towards damages in regard to Right of Way for transmission lines.

During the Power Ministers Conference held on April 9-10, 2015 at Guwahati with States/UTs, it has, *inter alia*, been decided to constitute a Committee under the chairmanship of Special Secretary, Ministry of Power to analyse the issues related to Right of Way for laying of transmission lines in the country and to suggest a uniform methodology for payment of compensation on this count. Subsequently, this Ministry had constituted a Committee with representatives from various State Governments and others. The Committee held several meetings to obtain the views of State Governments on the issue and submitted its Report along with the recommendations (copy of the Report is at **Annex-1**).

2. The Recommendations made by the Committee are hereby formulated in the form of following guidelines for determining the compensation towards "damages" as stipulated in section 67 and 68 of the Electricity Act, 2003 read with Section 10 and 16 of Indian Telegraph Act, 1885 which will be in addition to the compensation towards normal crop and tree damages. This amount will be payable only for transmission lines supported by a tower base of 66 KV and above, and not for sub-transmission and distribution lines below 66 KV:-

(i) Compensation @ 85% of land value as determined by District Magistrate or any other authority based on Circle rate/ Guideline value/ Stamp Act rates for tower base area (between four legs) impacted severely due to installation of tower/pylon structure;

(ii) Compensation towards diminution of land value in the width of Right of Way (RoW) Corridor due to laying of transmission line and imposing certain restriction would be decided by the States as per categorization/type of land in different places of States, subject to a maximum of 15% of land value as determined based on Circle rate/ Guideline value/ Stamp Act rates;

(iii) In areas where land owner/owners have been offered/ accepted alternate mode of compensation by concerned corporation/ Municipality under Transfer Development Rights (TDR) policy of State, the licensee /Utility shall deposit compensation amount as per (i) & (ii) above with the concerned Corporation/ Municipality/ Local Body or the State Government.

(iv) For this purpose, the width of RoW corridor shall not be more than that prescribed in the table at **Annex-2**and shall not be less than the width directly below the conductors.

3. Necessary action may kindly be taken accordingly. These guidelines may not only facilitate an early resolution of RoW issues and also facilitate completion of the vital transmission lines through active support of State/ UT administration.

4. All the States/UTs etc. are requested to take suitable decision regarding adoption of the guidelinesconsidering that acquisition of land is a State subject.

Yours faithfully,

(Jyoti Arora)
Joint Secretary (Trans.)
Tele: 011-2371 0389

Copy, along with enclosure, forwarded to the following:

1. Secretaries of Government of India (Infrastructure Ministries/Deptt including MoEF - As per attached list)
2. Prime Minister's Office (Kind Attn: Shri Nripendra Mishra, Principal Secretary to PM).
3. Technical Director, NIC, Ministry of Power with the request to host on the website of Ministry of Power.

Copy to PS to Hon'ble MoSP (IC) / Secretary (Power) / AS (BNS) / AS (BPP) / All Joint Secretaries/EA/ All Directors/DSs, Ministry of Power.

Annexure 8

The letter was issued to TSECL regarding adoption of MoP, GoI Guidelines for payment of compensation towards damages in regards to RoW for Transmission lines vide ref. *NEAGT/NERPSIP-102/2017-18/212* dated *15/05/2018*.

पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)

दूरभाष : (0381)2330045 (कार्य)
NERPSIP Office,
Ramnagar-06(Middle), 3rd Crossing, Agartala - 799002.

उत्तर पूर्वी क्षेत्र / NORTH EASTERN REGION

Ref. : NEAGT/NERPSIP-102/2017-18/

Date: 15/05/2018

To,

The AGM(Transmission Circle)
Tripura State Electricity Corporation Limited
79 Tilla : Transmission Circle
Agartala, Tripura(W)

Sub: Adoption of MoP, GoI guidelines for payment and compensation towards damage in regards to RoW for Transmission line for State Government-Reg.

Dear Sir,

With reference to the above subject this is to inform you that Ministry of Power (MOP), Government of India (GOI) has issued "**Guidelines for payment of compensation towards damages in regards to Right of Way for Transmission Lines**" on 15th October 2015. In the said letter MoP requested all the states/UTs etc to take suitable decision regarding adoption of the guidelines considering that compensation towards diminution of land value in the width of Right of Way is a state subject.

As per the guidelines, Govt of Assam & Manipur has already implemented the guideline in their respective states. The notification issued by Govt of Assam & Govt of Manipur is enclosed herewith for your ready reference. The guidelines of of MoP, GOI and Notification of Govt of Assam was also earlier forwarded to M/s TSECL vide our letter ref NEAGT/NERPSIP-102/2017-18/465 dtd 06/06/2017.

In view of above, since we have already started construction activity of 132kV Transmission lines under NERPSIP Tripura Project you are hereby requested to kindly take up the matter with state government for issuing guidelines for payment of compensation towards the damage in regards to RoW for Transmission Lines.

Thanking you.

Yours faithfully

(S.I. Singh)
Dy. General Manager
POWERGRID; Agartala.

Copy for kind information to:-

1. CMD TSECL, Corporate Office, Banamalipur, Agartala.

Registered Office: B-9 Qutab Institute Area, Katwaria Sarai, New Delhi- 110016
Tel: 011-26560112, Fax: 26601081, Website: http://www.powergridindia.com
स्वहित एवं राष्ट्रहित में ऊर्जा बचाएं
Save Energy for Benefit of Self and Nation

Annexure 9

TSECL intimated POWERGRID that Govt. of Tripura has decided for continuing with the prevailing practice of payment of compensation towards damage in regards to RoW for Transmission lines.

TRIPURA STATE ELECTRICITY CORPORATION LIMITED

(A Govt. of Tripura Enterprise)

No. F.1(2)/DT/TSECL/2018/24194

Dated, Agartala, the 7- September,2018

To
The Joint Secretary (Trans),
Ministry of Power,
Govt. of India,
Rafi Marg, Shram Shakti Bhawan, New Delhi 110001.

Sub:- Adoption of MoP, GoI guidelines for payment of compensation towards damage in regards to RoW for Transmission lines. – reg.

Sir,

This is to inform you that Govt. of Tripura has decided for continuing with the prevailing practice of payment of compensation towards damage in regards to RoW for Transmission lines as mentioned here-under :

i) 100 % land value is compensated for tower base affected area as per rate assessed by the District Administration of State Govt. Apart from this if there be any damage to tree/crops/ structure in the said area, compensation to the occupier / land owner for the damage in the tower base area is also paid as per State Govt. approved rates. In areas where Land owner does not allow to erect towers, the required land is acquired through acquisition process / purchased through Land Purchase Committee as per norms of State Govt.

ii) If there be any damage to tree/crops/ structure in the Corridor of width of Right of Way between the towers, compensation for the same is paid to the owner as per rate approved by the State Govt.

iii) No compensation is paid for the Corridor of land in the width of Right of Way between the towers at present.

Recommendations of the Guidelines issued by Ministry of Power, Govt. of India vide letter dated 15.10.2015 regarding payment of compensation towards damage in regards to RoW for Transmission lines will not be feasible to transmission line developmental activities in the State of Tripura.

This is for favour of your kind record please.

Yours faithfully,

(M. Debbarma)
Director (Technical)
TSECL, Agartala

Bidyut Bhavan, North Banamalipur, Agartala – 799 001, Tripura
Phones: 0381-222-8001 / 232-5843 / 222-6613 FAX: 0381-2319427 / 222-5356

Other correspondences with TSECL in respect to RoW Compensation of 132kV Transmission lines are given below.

पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)

दूरभाष : (0381)2330045 (फ)
NERPSIP Office,
Ramnagar-06(Middle); 3rd Crossing, Agartala – 799002.
उत्तर पूर्वी क्षेत्र / NORTH EASTERN REGION

Ref. : NEAGT/NERPSIP-101/2017-18/ 169

Date: 27/04/2018

To,

The AGM(Transmission Circle)
Tripura State Electricity Corporation Limited
79 Tilla ; Transmission Circle
Agartala; Tripura(W)

Sub: Compensation of 132kV Transmission line which are to be constructed under NERPSIP Tripura-Reg.

Dear Sir,

With reference to the above it is to inform you that there are 14 Nos. of 132kV Transmission line to be constructed in Tripura under NERPSIP Project.

The survey activities of all the Transmission Lines have been completed and the construction of the lines is being started shortly. For Finalization of Surface Damage Compensation to the affected land owners along the route of the Transmission line the following action may kindly be taken from your side:-

1) District Authority may kindly be intimated to depute their representative for identification and authentication of the land owner.
2) The rates of Tree/Crops compensation prevailing in Tripura State may kindly be provided for assessment of the compensation amount.
3) Authorized representative of TSECL may kindly be identified area wise/Line wise for signing of Compensation notice / assessment sheet etc.

The name of the lines where construction activity is being started is enclosed in Annexure-01.

Your early action in this regards is highly solicited.

Thanking you.

Yours faithfully

(S.I. Singh)
Dy. General Manager
POWERGRID; Agartala.

Copy for kind information to:-

1. CMD TSECL, Corporate Office, Banamalipur , Agartala.

Registered Office: B-9 Qutab Institute Area, Katwaria Sarai, New Delhi- 110016
Tel: 011-26560112, Fax: 26601081, Website: http://www.powergridindia.com
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TRIPURA STATE ELECTRICITY CORPORATION LIMITED

(A Govt. of Tripura Enterprise)

Sl. No	Name of Line	Name of Authorized Official	Address for Communication
11	132 KV D/C Rabindranagar - Belonia Transmission line	1. Sr. Manager, Rabindranagar S/S 2. Sr. Manager, Banduar S/S	1. DGM, Transmission Division, Agartala, 79 Tilla, West District, Tripura. 2. DGM, Transmission Division, Udaipur, Gomati District, Tripura
12	LILO of 132 KV S/C Ambassa - P.K. Bari Transmission Line at Manu S/S	1. Sr. Manager, Ambassa S/S	DGM, Transmission Division, Kumarghat, Unokoti District, Tripura.
13	132 KV interconnection portion from Manu (Old-existing) S/S to Manu (New) S/S for charging of 132 KV S/C Manu-Chawmanu TL		
14	132 KV D/C Kailashahar- Dharmanagar Transmission line	1. Sr. Manager / Manager, Gournagar S/S, Kailashahar. 2. Sr. Manager / Manager, MissionTilla S/S, Dharmanagar.	

In addition, DGM, TD, Agartala / DGM, TD, Udaipur / DGM, TD, Kumarghat / DGM, P – II, / DGM, P – III, / DGM (Civil), / Sr. Manager (Civil), Planning, Transmission Circle, Agartala and Sr. Manager, Transmission Civil Sub-Division, Agartala are hereby instructed to redress Grievances / disputes, if any, for early resolve and smooth execution of the project.

Add. General Manager
Transmission Circle, TSECL, Agartala.
04/05/18

Copy to:-

1-3) The DGM, TD, Agartala // Udaipur // Kumarghat for necessary action.

4-6) The DGM, P – II // DGM, P – III // DGM, Civil, TC, Agartala for necessary action.

7) The DGM, NERPSIP, PGCIL, Agartala for kind information and necessary action.

8-13) SM, Banduar S/Stn // SM, TSD, Agartala// SM, Ambassa S/Stn // SM, Rabindranagar S/Stn // SM(Civil), Planning, TC, Agartala // SM,TSD(Civil), Agartala, for necessary action.

14-20) SM /M, MissionTilla S/Stn, // SM /M, Gournagar S/Stn, // SM /M, Bagafa S/tn, // SM /M, Belonia S/Stn, // SM / M, Satchand S/Stn, // SM /M, Sabroom S/Stn, // SM /M, Amarpur S/Stn, for necessary action.

21) Office order book.

Add. General Manager
04/05/18

OFFICE OF THE ADDITIONAL GENERAL MANAGER, TRANSMISSION CIRCLE, 79 TILLA, AGARTALA
PHONE & FAX: 0381-235-1579

TSECL letters to Sub-Divisional Magistrate-Bishalgarh; Sadar & Mohanpur for Deployment of Tehsildar for Identification of affected Land owners for 132kV LILO line Rokhia-Surjamaninagar at 132kV Gokulnagar S/s & Agartala-Dhalabil at 132kV Mohanpur S/s, respectively.

TRIPURA STATE ELECTRICITY CORPORATION LIMITED

(A Govt. of Tripura Enterprise)

No.F.5(85) / AGM / TC / 2018-19/ 318 – 22 Dated: 15-05-2018

To
The Sub- Divisional Magistrate
Bishalgarh Sub-Division
Dist- Sepahijala Tripura

Sub: Deployment of Tehsildar for identification of Land owner for Construction of 132kV LILO line of Rokhia - Surjamaninagar at 132kV Gakulnagar S/S.

Dear Sir,

This is to bring to your kind notice that Government of India has entrusted Power Grid Corporation of India Ltd(A Government of India Enterprise) for the task of implemention of the North Eastern Region Power System Improvement Project (NERPSIP) in the State of Tripura. Under the said project various 132kV & 33kV Power Transmission Lines are to be constructed along-with the associated Substation in the State.

Tehsildar of Bikramnagar & Gakulnagar Tehsil may kindly be informed to extend their co-operation in order to identify the land owner en-route the 132kV LILO of Rokhia - Surjamaninagar Transmission line at Gakulnagar Substation under Bishalgarh Sub-Division.

NERPSIP being a time-bound Central Sector Project, your co-operation in this regard is highly solicited towards timely completion of the same.

Thanking you.

Yours faithfully,

Addl. General Manager
Transmission Circle
Agartala 15/05/18

Copy to:-
1) DM & Collector Sepahijala District, Bisramganj for kind information.
2) DGM (NERPSIP), PowerGrid, Agartala.
3-4) DGM, TD, Agartala / DGM (Civil), Transmission Circle, Agartala.

OFFICE OF THE COLLECTOR
18 MAY 2018

Addl. General Manager
15/05/18

Addl.General Manager, Transmission Circle, 79 Tilla, Agartala, West Tripura, Tel. & Fax – (0381)235-1579

TRIPURA STATE ELECTRICITY CORPORATION LIMITED

(A Govt. of Tripura Enterprise)

No.F.5(85) / AGM / TC / 2018-19/ 382-87 Dated: 17-05-2018

To
The Sub- Divisional Magistrate
Mohonpur Sub-Division
Dist- West Tripura

Sub: Deployment of Tehsildar for identification of Land owner for Construction of 132kV LILO line of Agartala – Dhalabil at 132kV Mohonpur S/S.

Dear Sir,

This is to bring to your kind notice that Government of India has entrusted Power Grid Corporation of India Ltd. (A Government of India Enterprise) for the task of implemention of the North Eastern Region Power System Improvement Project (NERPSIP) in the State of Tripura. Under the said project various 132kV & 33kV Power Transmission Lines are to be constructed along-with the associated Substation in the State.

Tehsildar of Mohonpur Tehsil may kindly be informed to extend their co-operation in order to identify the land owner en-route the 132kV LILO of Agartala – Dhalabil Transmission line at Mohonpur Substation under Mohonpur Sub-Division.

NERPSIP being a time-bound Central Sector Project, your co-operation in this regard is highly solicited towards timely completion of the same.

Thanking you.

RECEIVED 22 MAY 2018 No. 6888

Yours faithfully,

Addl. General Manager
Transmission Circle,
Agartala. 17/05/18

Copy to:-
1) DM & Collector, West Tripura District, for kind information.
2) DGM (NERPSIP), PowerGrid, Agartala.
3-4) DGM, TD, Agartala / DGM (Civil), Transmission Circle, Agartala.

Addl. General Manager

Addl.General Manager, Transmission Circle, 79 Tilla, Agartala, West Tripura, Tel. & Fax – (0381)235-1579

TRIPURA STATE ELECTRICITY CORPORATION LIMITED

(A Govt. of Tripura Enterprise)

No.F.5(85) / AGM / TC / 2018-19/ 435-39 Dated: 21-05-2018

To
Tha Sub- Divisional Magistrate
Sadar Sub-Division
Dist- West Tripura

Sub: Deployment of Tehsildar for identification of Land owner for Construction of 132kV LILO line of Rokhia - Surjamaninagar at 132kV Gakulnagar S/S.

Dear Sir,

This is to bring to your kind notice that Government of India has entrusted Power Grid Corporation of India Ltd(A Government of India Enterprise) for the task of implemention of the North Eastern Region Power System Improvement Project (NERPSIP) in the State of Tripura. Under the said project various 132kV & 33kV Power Transmission Lines are to be constructed along-with the associated Substation in the State.

Tehsildar of Bikramnagar Tehsil may kindly be informed to extend co-operation in order to identify the land owner en-route the 132kV LILO of Rokhia - Surjamaninagar Transmission line at Gakulnagar Substation.

NERPSIP being a time-bound Central Sector Project, your co-operation in this regard is highly solicited towards timely completion of the same.

Thanking you.

RECEIVED 21 MAY 2018 11274 SADAR, TRIPURA

Yours faithfully,

Addl. General Manager
Transmission Circle,
Agartala. 21/05/18

Copy to:-
1) The DM & Collector, West Tripura District, for kind information.
2) The DGM (NERPSIP), PowerGrid, Agartala
3-4) The DGM, TD, Agartala / DGM (Civil), Transmission Circle, Agartala.

O/o. The D.M. & Collector West Tripura District, Agartala, Tripura. CENTRAL RECEIPT Date 21/5/18 Section ..... Receipt No. .....

Addl. General Manager
21/05/18

Addl.General Manager, Transmission Circle, 79 Tilla, Agartala, West Tripura, Tel. & Fax – (0381)235-1579

Draft notice for compensation for construction of 132kV Transmission lines under NERPSIP-Tripura

TRIPURA STATE ELECTRICITY CORPORATION LIMITED

(A Govt. of Tripura Enterprise)

No.F.5(85) IAGM /TC /2018-19 / 323 - 29 Dated: 15 05 2018

To
The DGM (NERPSIP)
Power Grid Corporation of India Ltd.
Ramnagar-06, Agartala

Sub :- Forwarding of Draft Notice for compensation for construction of TL line under NERPSIP : Tripura.
Ref : - NEAGT / NERPSIP – 102 / 2017 – 18 / 213, dated 15.05.2018.

Sir,

With reference to the above, kindly find enclosed herewith the sample copy of Notice in Ann-01 & 02 to be used for Surface damage compensation & Land Compensation in respect of construction of Transmission Line under NERPSIP, Tripura.

It is further to be noted that each notice shall be of 5 copies (1 original & 4 Carbon Copy) and Joint signature of POWERGRID & TSECL in original to be put in all the copies of notice. After signing of notice, 1st copy to be handed over to the affected Land Owner, 2nd Copy will be kept at POWERGRID, 3rd & 4th Copies to be forwarded to respective DM & SDM for assessment, and 5th Copy to be handed over to TSECL.

Once assessment is completed and compensation amount is finalized from the respective District Administration, the payment shall be done by POWERGRID.

Thanking you,

Yours faithfully,

Enclo:- As stated above.

Land notice is not enclosed. pl. collect

15/5/2018

Addl. General Manager
Transmission Circle,
Agartala. 15/05/18

Copy to:-
1-3) The DGM, TD, Agartala / Udaipur / Kumarghat.
4-6) The DGM, (P – II) / DGM (P –III) / DGM (Civil), Transmission Circle, Agartala.

Addl. General Manager

Addl. General Manager, Transmission Circle, 79 Tilla, Agartala, West Tripura, Tel. & Fax – (0381)235-1579

TRIPURA STATE ELECTRICITY CORPORATION LIMITED

(A Govt. of Tripura Enterprise)

NOTICE

Ref No. : Date : / /

To

Dear Sir / Madam

In exercise of power vested with TRIPURA STATE ELECTRICITY CORPORATION LIMITED (TSECL) under Section-164 of the Electricity Act, 2003 and Section 10 & 11 of the Indian Telegraph Act 1885 and amendment made up-to date thereto, this is to inform you that the proposed ..... Transmission line will be passing through your land and the properties belonging to you and standing in the required clearance belt of said transmission line will be cut / removed and the trees / crops belonging to you will have to be unavoidably damaged during the construction / erection of the line. If so desired by you, the trees / crops so felled / damaged will be handed over to you against recovery of salvage value of the felled trees/ crops etc. The compensation for the yield component of the tree(s) so fell and the crop(s) actually damaged will be paid to you as assessed by the Executive Magistrate or authority specified by the Appropriate Government.

TSECL

I. **Activities** :
- a. Foundation Loc No.
- b. Erection Loc No.
- c. Stringing Loc No. from ..... to .....

II. (1) **Name of the Owner and Address**
(2) Name of the Village / Mouza & J.L. No.
(3) Name of PS & District
(4) Plot No/ Khatian No

Particulars of trees /Crops / Other standing properties:

SL. No.	Item	Species	Dimension	Qty.
1)	Trees			
2)	Crops			
3)	Others			

Signature of the owner
Address :-

Signature of Power Grid Corp of India Ltd.

Signature of TSECL

Signature of Tehsildar

Witness :

Copy to :

1. The D.M ..... for kind information please.
2. The Deputy General Manager ..... for favour of kind information.
3. The S.D.M ..... for kind information. It is highly requested to assess the value of the said trees/crops etc. from his kind end and inform this office for payment of compensation.
4. The Tehsildar, ...

Signature of TSECL

Address of the concern Division/ Communicating address

Annexure 10

Tree Compensation Process

TREE / CROP/ TOWER FOOTING COMPENSATION PROCESS (OTHER THAN FOREST LAND COMPENSATION)

As per the provisions of Electricity Act, 2003 and Indian Telegraph Act1885, land for tower and right of way is not acquired and agricultural activities are allowed to continue. However, the acts also stipulate that licensee shall pay full compensation to all interested for any damages sustained during the execution of said work. Accordingly, TSECL pays compensation to land owners towards damages if any during implementation of transmission project as well as during operation and maintenance phase. TSECL follows the principle of avoidance, minimization and mitigation in the construction of line in agricultural field having crop due to inherent flexibility in phasing the construction activity and tries to defer construction in cropped area to facilitate crop harvesting. However, if it is unavoidable and is likely to affect project schedule, compensation is given at market rate for standing crops. All efforts are also taken to minimize the crop damage to the extent possible in such cases.
As regards trees coming in the Right of Way (RoW) following procedure is adopted for enumeration: All the trees which are coming within the clearance belt of ROW on either side of the center line are identified and marked/numbered from one AP (Affected Person) to the other and documented. Type, Girth (Measured 1 m. above ground level), approximate height o the tree is also noted for each tree. Trees belonging to Govt., Forest, Highways and other local bodies may be separately noted down or timely follow up with the concerned authorities for inspection and removal. Cashew, Guava, Lemon and other hybrid trees which are not of tall growing nature are not marked for cutting since these trees can be crossed using standard tower extensions if required. TSECL also pay compensation to affected land owners for utilization of their land for tower footing.

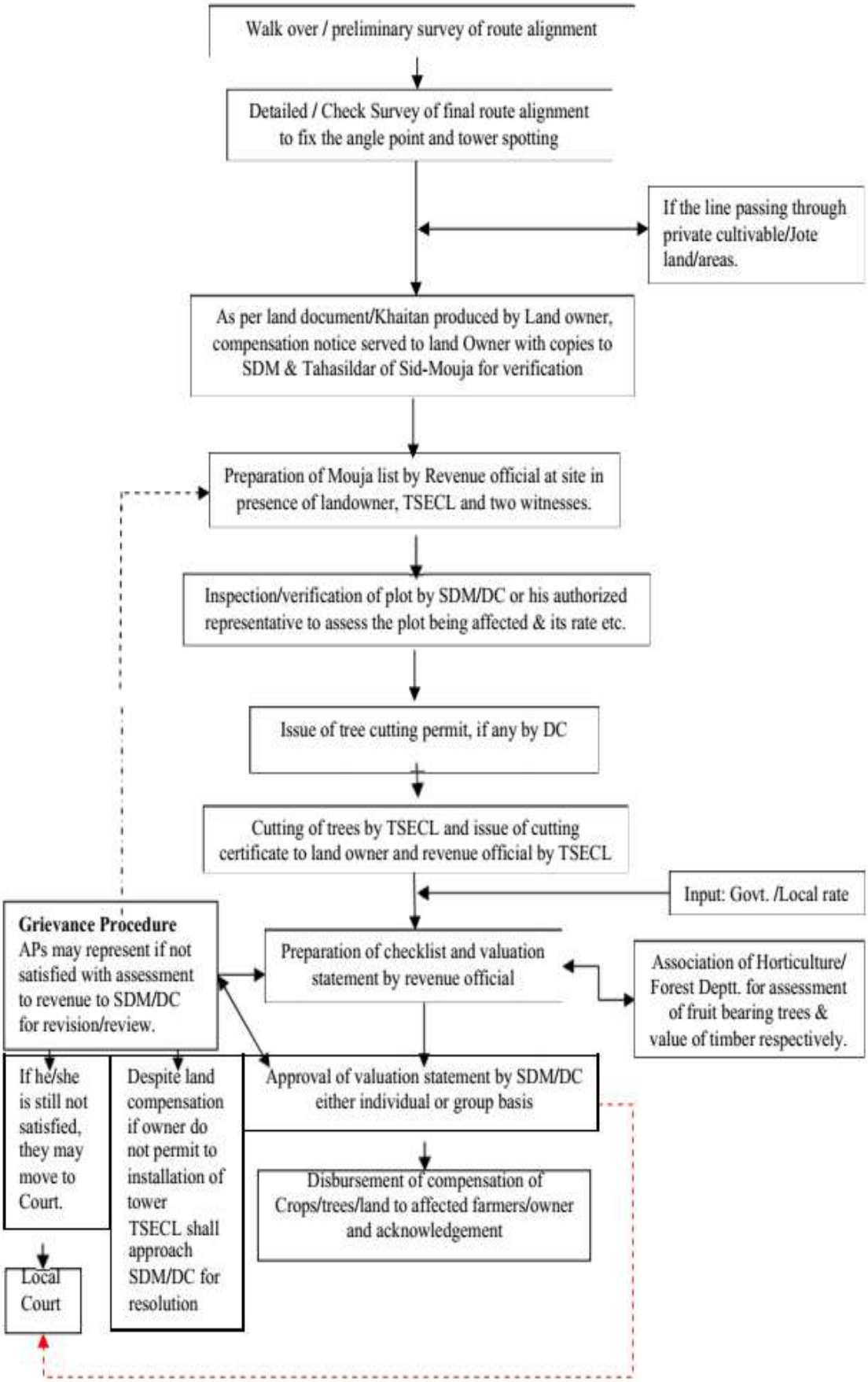
A notice under Electricity Act, 2003/ Indian Telegraph Act, 1885 is served to the landowners informing that the proposed transmission line is being routed through the property of the individual concerned. The notice shall contain the particulars of the land, ownership details and the details of the trees/crops/land inevitability likely to be damaged during the course of the construction of the proposed transmission line and acknowledgement received from land owners. A copy of said notice is further issued to the Revenue Officer/SDM, who has been authorized by the Tripura Govt. for the purpose of assessment/valuation and disbursement of compensation to the affected parties.

The revenue officer shall further issue a notice of intimation to the concerned land owner and inspect the site to verify the documents related to the proof of ownership and a detailed Mouja list is prepared for the identified trees/ crops/ land for tower footing inevitability damaged during the course of the construction. For assessing the true value of timber yielding trees help of forest officials is taken and for fruit bearing trees help of Horticulture department is taken.

The Mouja list shall contain the land owner details including extent land area utilization for tower footing, type of tree/crop, its present age, variety, yielding pattern etc. and the same is prepared at site in the presence of the land owner. These Mouja lists are further compiled and a random verification is conducted by the concerned DC or his authorized representative in order to ascertain the assessment carried out by the revenue office is

genuine and correct. After this process the District Collector/ a tree cutting permit to TSECL to enable removal / damage to the standing tree/crop identified in the line corridor. Similarly on the basis of enquiry report received from concerned Tehsildar, SDM issue land valuation certificate to TSECL for payment of compensation to land owner. Once the tree/crop is removed / damaged, TSECL shall issue a tree cutting/crop damaged notice to the land owner with a copy to the Revenue Officer to process the compensation payment. Based on the above the compensation payment is generated by means of a computerized programme developed by the National Informatics Center exclusively for this purpose. The detailed Valuation statement thus generated using this programme is verified at various levels and approval of payment of compensation is accorded by the concerned District Collectors.

On approval of compensation, the revenue officer shall further intimate the amount payable to the different landowners and TSECL arranges the payment by way of Demand Draft to the affected parties. The payment is further disbursed at the local village office after due verification of the documents in presence of other witnesses.


Walk over / preliminary survey of route alignment
Detailed / Check Survey of final route alignment to fix the angle point and tower spotting
If the line passing through private cultivable/Jote land/areas.
As per land document/Khaitan produced by Land owner, compensation notice served to land Owner with copies to SDM & Tahasildar of Sid-Mouja for verification
Preparation of Mouja list by Revenue official at site in presence of landowner, TSECL and two witnesses.
Inspection/verification of plot by SDM/DC or his authorized representative to assess the plot being affected & its rate etc.
Issue of tree cutting permit, if any by DC
Cutting of trees by TSECL and issue of cutting certificate to land owner and revenue official by TSECL
Input: Govt. /Local rate
Grievance Procedure
APs may represent if not satisfied with assessment to revenue to SDM/DC for revision/review.
Preparation of checklist and valuation statement by revenue official
Association of Horticulture/ Forest Deptt. for assessment of fruit bearing trees & value of timber respectively.
If he/she is still not satisfied, they may move to Court.
Despite land compensation if owner do not permit to installation of tower TSECL shall approach SDM/DC for resolution
Approval of valuation statement by SDM/DC either individual or group basis
Disbursement of compensation of Crops/trees/land to affected farmers/owner and acknowledgement
Local Court

Budget Estimation

BUDGET ESTIMATE TOWARDS FOREST AND CROP/TREE/ TOWER FOOTING

BUDGET ESTIMATE TOWARDS FOREST AND CROP/TREE/ TOWER FOOTING COMPENSATION

Total 33 kV Distribution line length - 232.3 Kms.

A. Compensation

1 Forest - Rs. 450.00 lakhs.

2. Crop & Trees

- 33 kV line length in Private /Revenue land – 217.3 Kms.

- Crop/tree compensation 33 kV line- (217.3 kms @ 50,000/-) **- Rs. 108.65 lakhs**

Sub Total - A (1+2) - Rs. 558.65 lakhs

B. Implementation Monitoring & Audit

i) Man-power involved for EMP implementation & Monitoring in entire route of transmission Line (Rs.10, 000/- x 232.3 Km) = Rs. 23.23 lakhs

ii) Independent Audit (LS) if needed = Rs. 10.00 lakhs

Sub Total - B - Rs. 33.23 lakhs

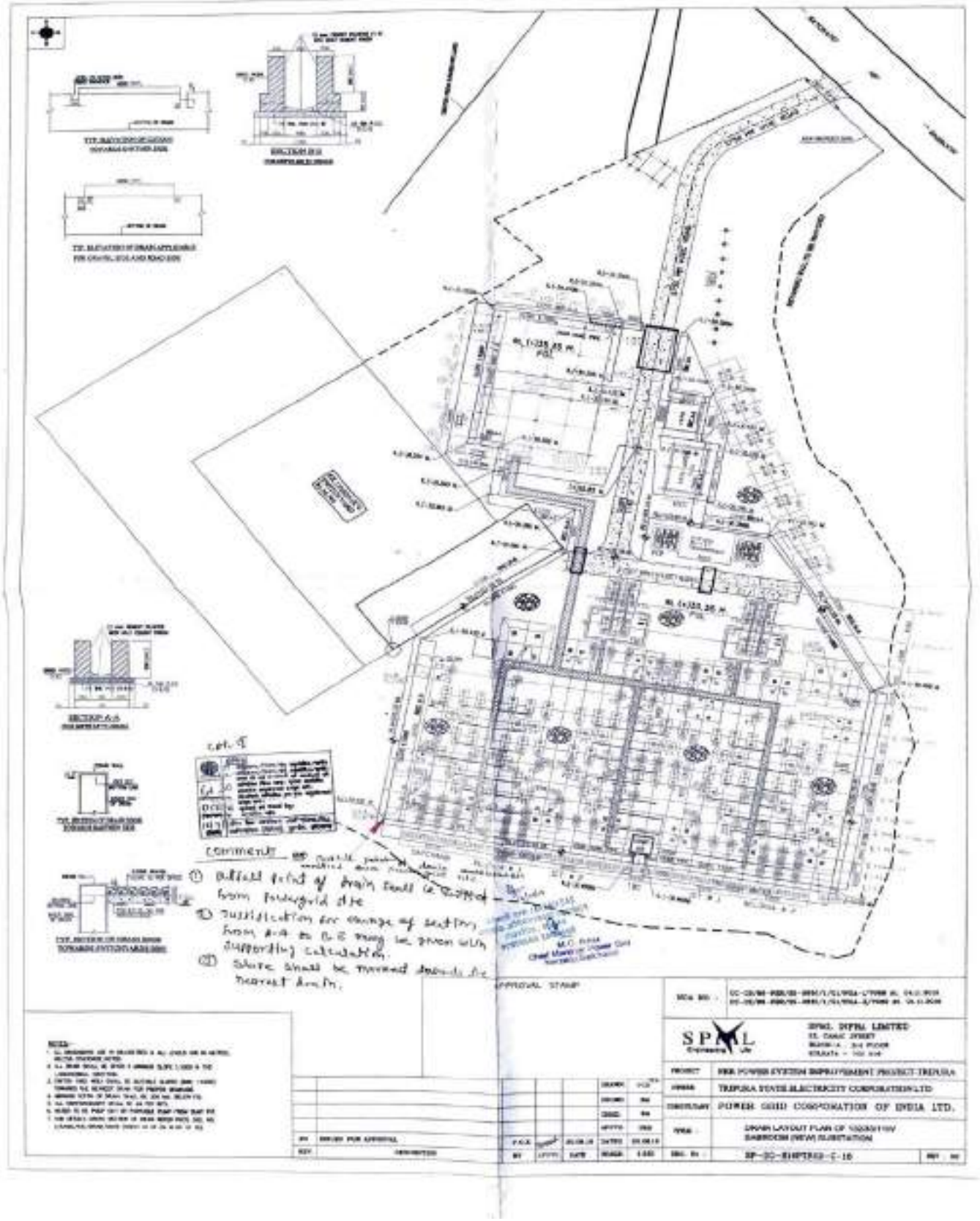
GrandTotal (A+B) = Rs. 591.88 lakhs

COMPENSATION

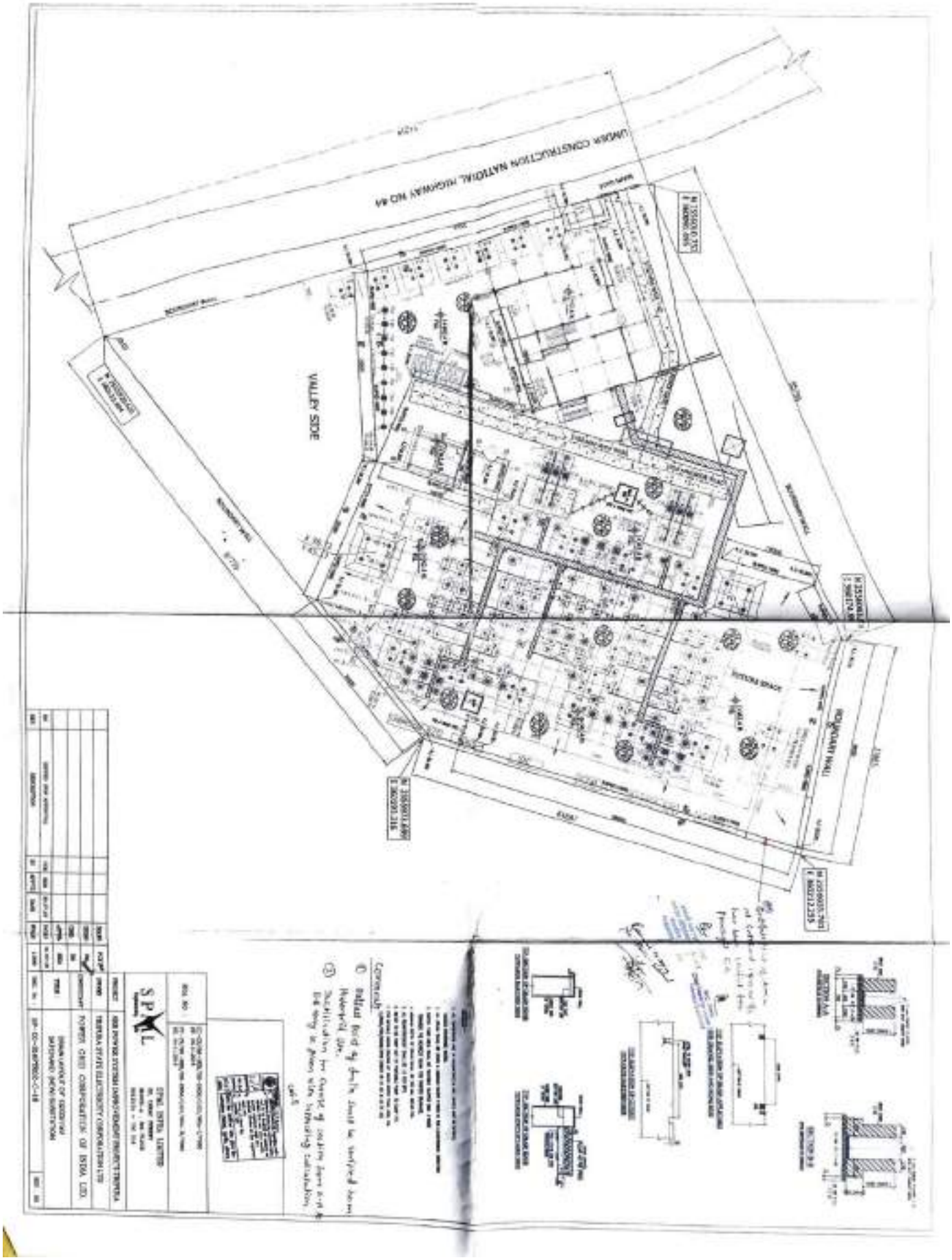
Annexure 11

Drainage System / Mechanism for Sub-Station:

Sample Drainage layout of Sabroom S/s

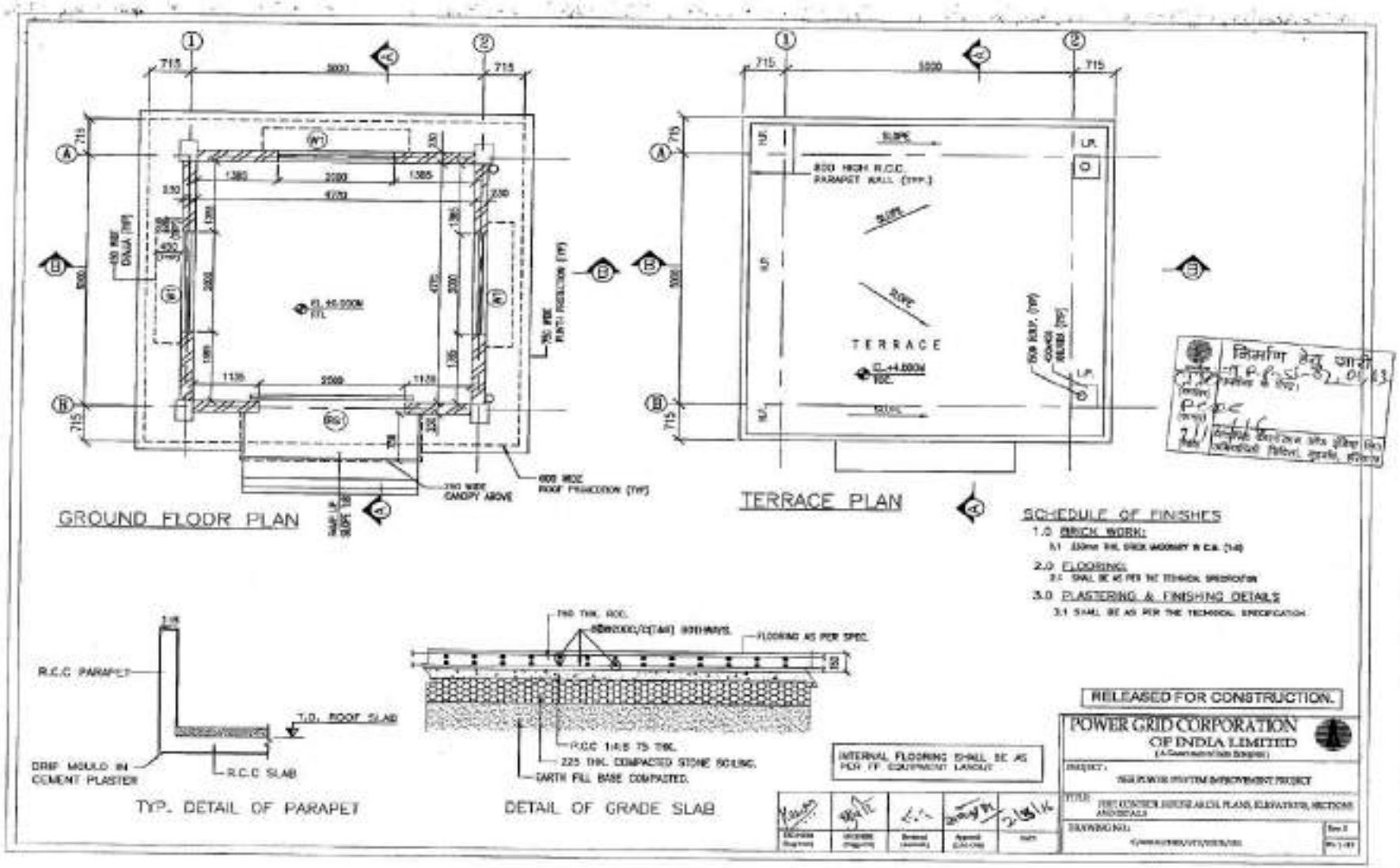


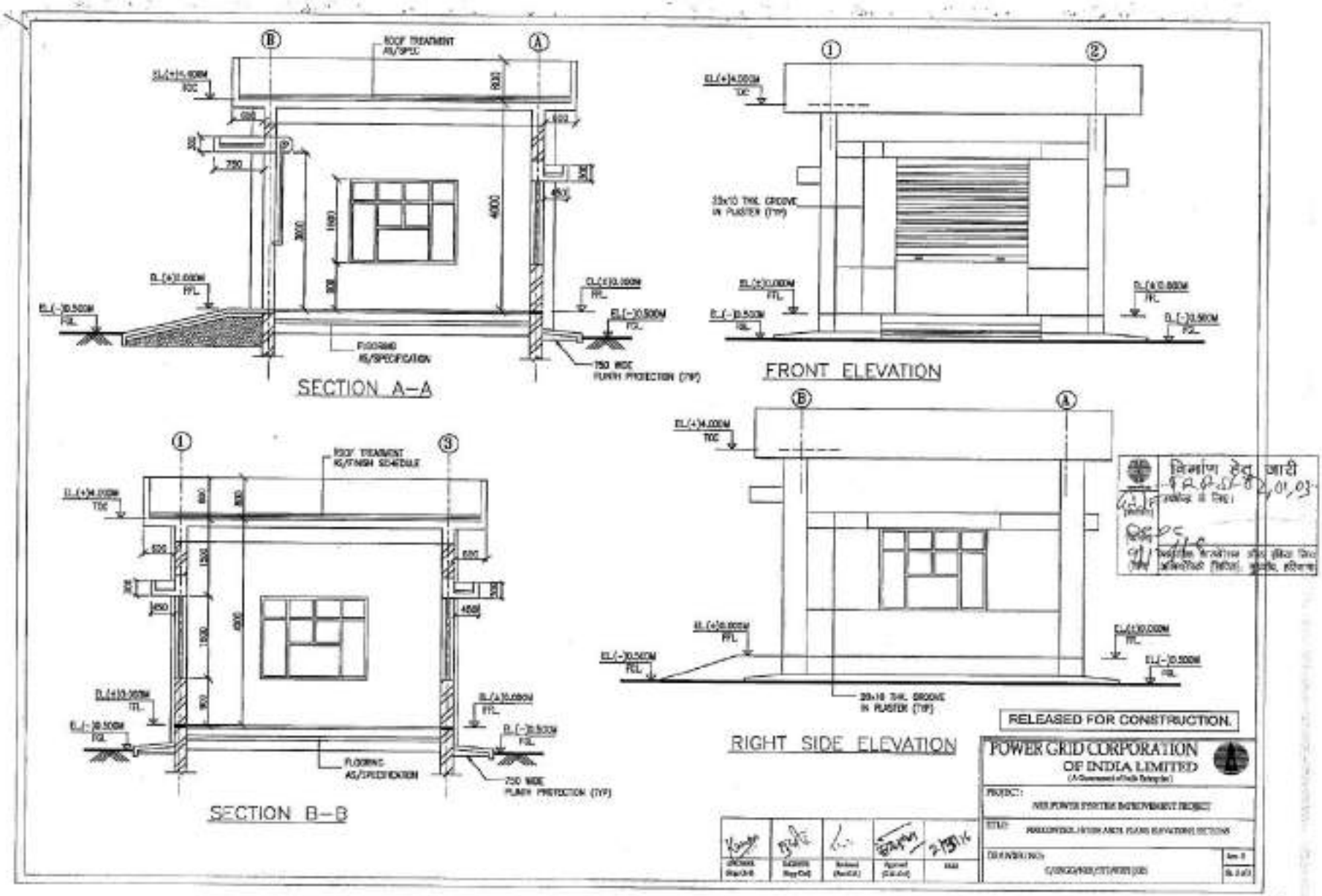
Sample Drainage layout of Satchand S/s

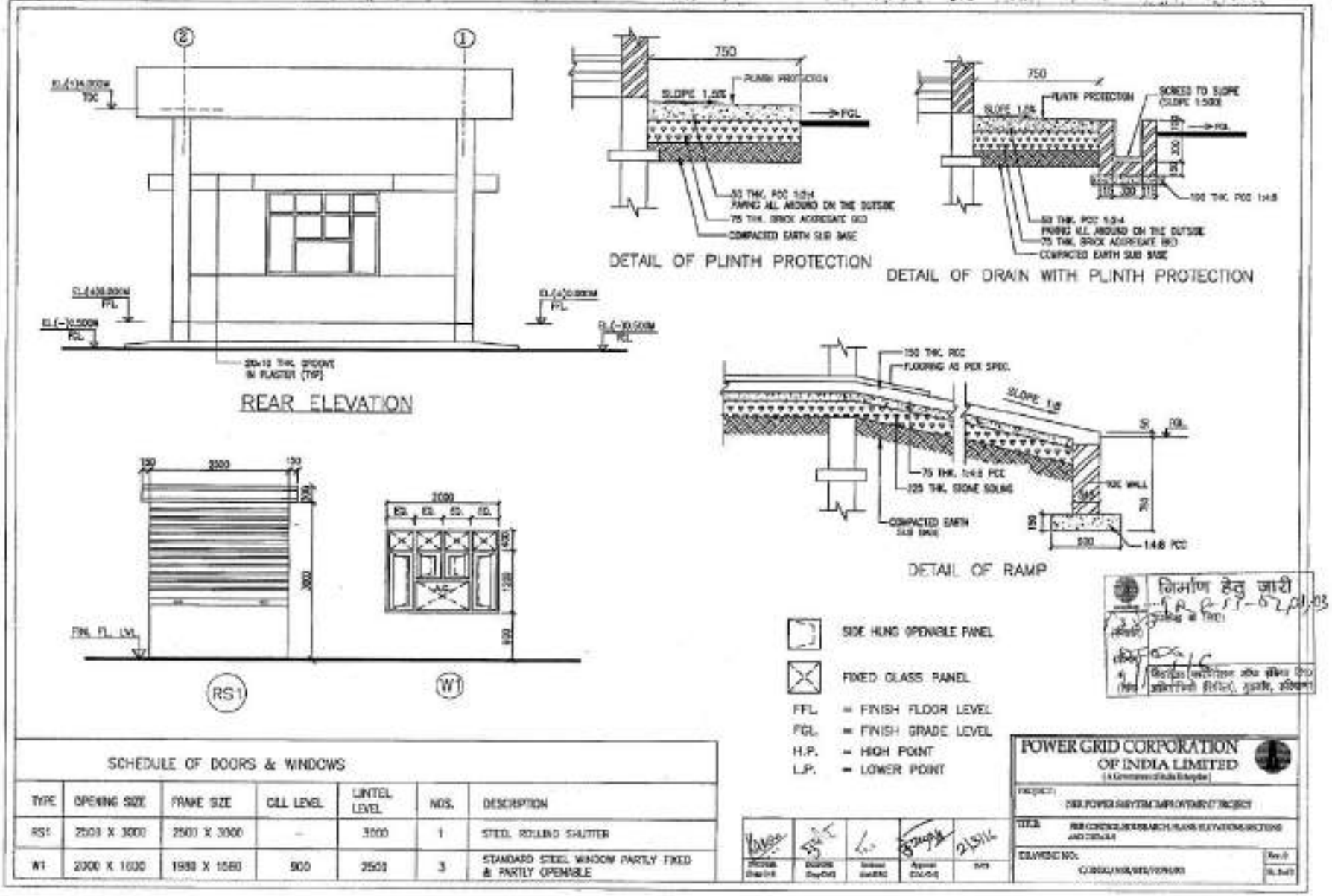


Annexure 12

Fire Fighting System

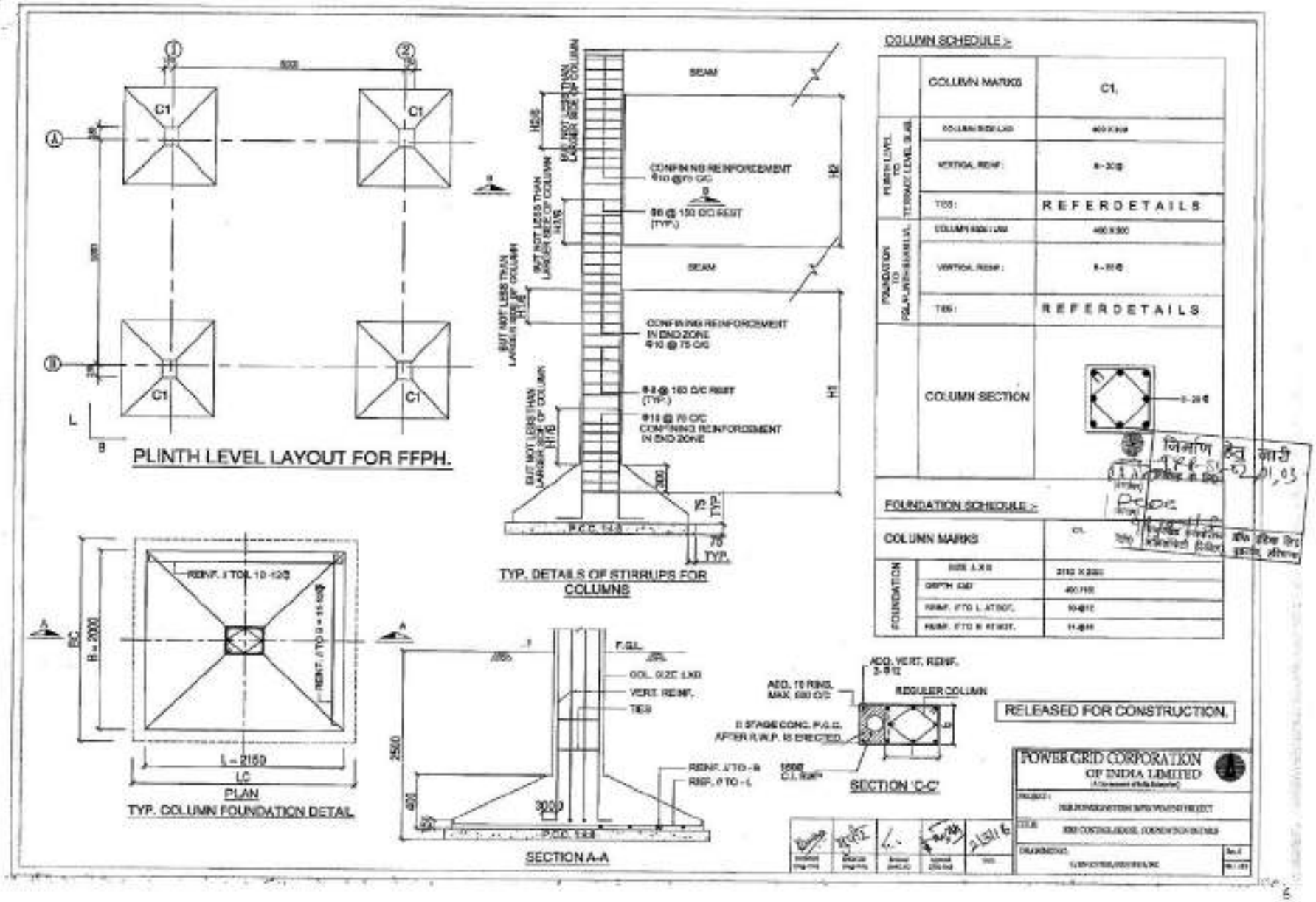

GROUND FLOOR PLAN
TERRACE PLAN
TERRACE
SCHEDULE OF FINISHES
1.0 BRICK WORK:
2.0 FLOORING:
3.0 PLASTERING & FINISHING DETAILS
R.C.C PARAPET
T.O. ROOF SLAB
DRIP MOULD IN CEMENT PLASTER
R.C.C SLAB
TYP. DETAIL OF PARAPET
FLOORING AS PER SPEC.
P.C.C 1:4:8 75 THK.
225 THK. COMPACTED STONE SOLING.
EARTH FILL BASE COMPACTED.
DETAIL OF GRADE SLAB
INTERNAL FLOORING SHALL BE AS PER TF EQUIPMENT LAYOUT
RELEASED FOR CONSTRUCTION.
POWER GRID CORPORATION OF INDIA LIMITED

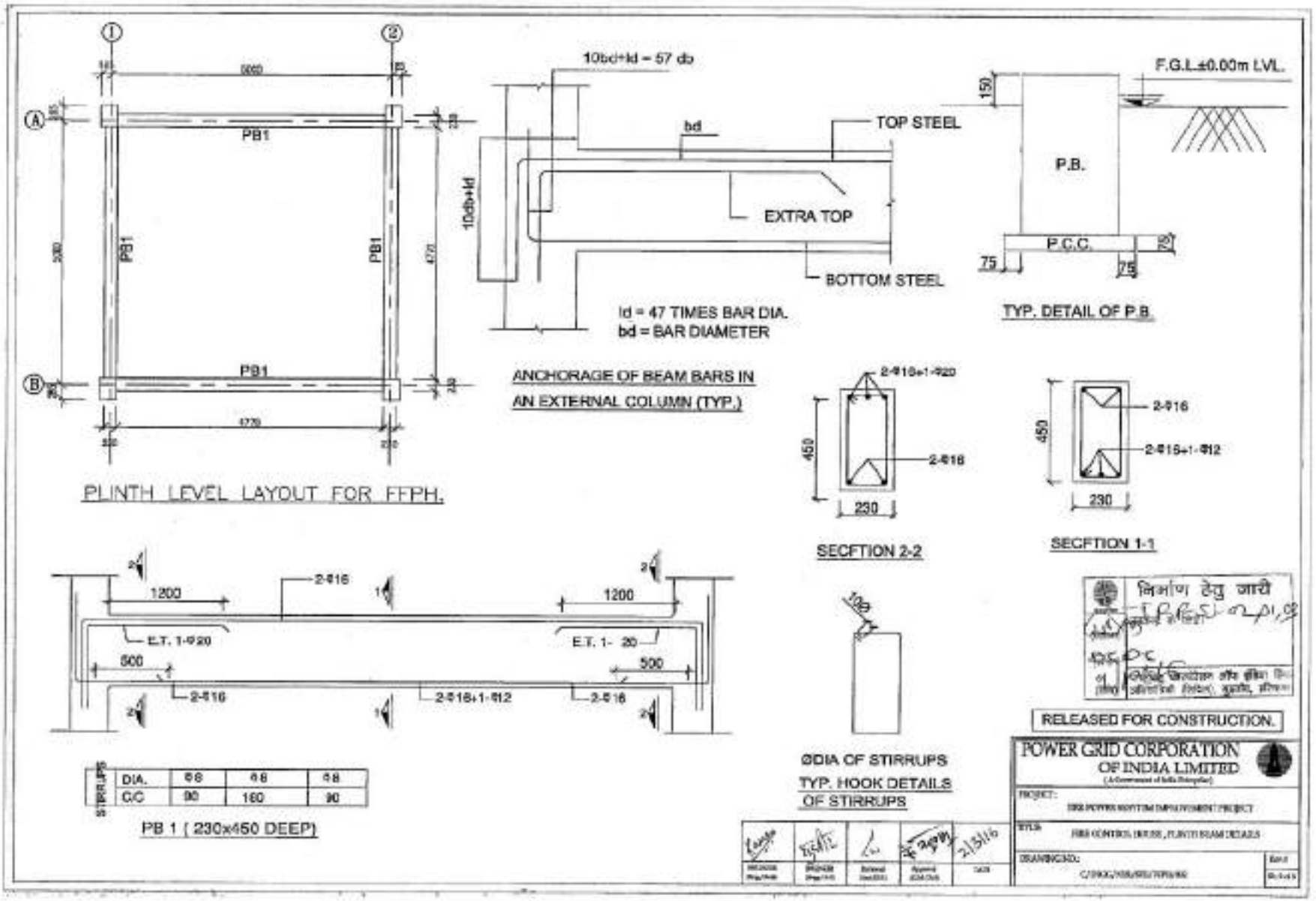

SECTION A–A
FRONT ELEVATION
SECTION B–B
RIGHT SIDE ELEVATION
RELEASED FOR CONSTRUCTION.
POWER GRID CORPORATION OF INDIA LIMITED

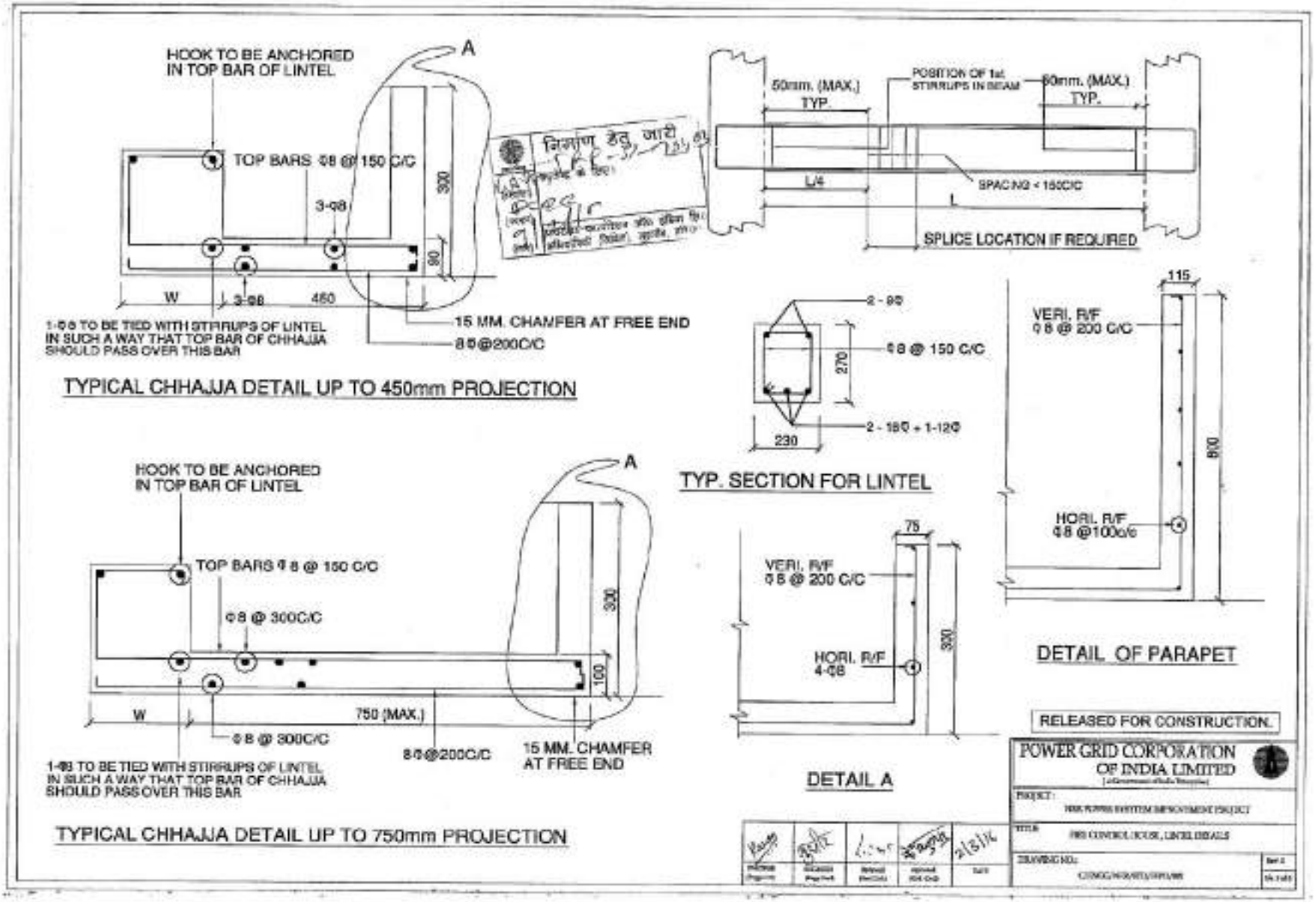


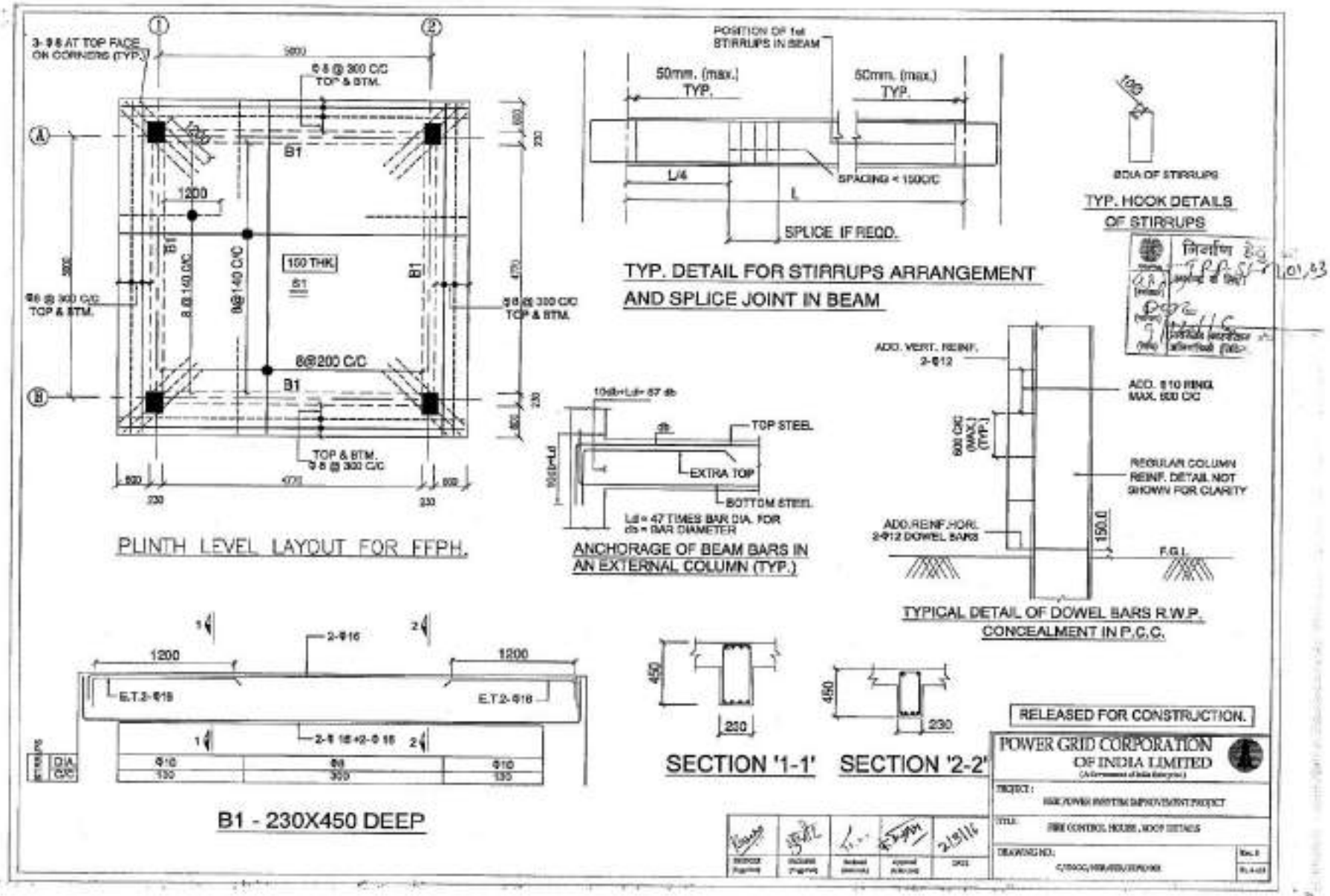
SCHEDULE OF DOORS & WINDOWS

TYPE	OPENING SIZE	FRAME SIZE	CILL LEVEL	LINTEL LEVEL	NOS.	DESCRIPTION
RS1	2500 X 3000	2500 X 3000	–	3000	1	STEEL ROLLING SHUTTER
W1	2000 X 1600	1980 X 1580	900	2500	3	STANDARD STEEL WINDOW PARTLY FIXED & PARTLY OPENABLE


PLINTH LEVEL LAYOUT FOR FFPH.
TYP. DETAILS OF STIRRUPS FOR COLUMNS
TYP. COLUMN FOUNDATION DETAIL
PLAN
SECTION A-A
SECTION 'C-C'
COLUMN SCHEDULE :-
COLUMN MARKS
C1.
REFER DETAILS
COLUMN SECTION
FOUNDATION SCHEDULE :-
RELEASED FOR CONSTRUCTION.
POWER GRID CORPORATION OF INDIA LIMITED


PB1
PLINTH LEVEL LAYOUT FOR FFPH.
10bd+ld = 57 db
bd
TOP STEEL
EXTRA TOP
BOTTOM STEEL
10db+ld
ld = 47 TIMES BAR DIA.
bd = BAR DIAMETER
ANCHORAGE OF BEAM BARS IN AN EXTERNAL COLUMN (TYP.)
F.G.L.±0.00m LVL.
P.B.
P.C.C.
TYP. DETAIL OF P.B.
2-Φ16+1-Φ20
2-Φ16
SECTION 2-2
2-Φ16
2-Φ16+1-Φ12
SECTION 1-1
E.T. 1-Φ20
E.T. 1- 20
2-Φ16+1-Φ12
STIRRUPS
DIA.
C/C
PB 1 (230x450 DEEP)
Φ DIA OF STIRRUPS
TYP. HOOK DETAILS OF STIRRUPS
निर्माण हेतु जारी
RELEASED FOR CONSTRUCTION.
POWER GRID CORPORATION OF INDIA LIMITED


HOOK TO BE ANCHORED IN TOP BAR OF LINTEL
A
TOP BARS Φ8 @ 150 C/C
3-Φ8
300
90
W
3-Φ8
450
1-Φ8 TO BE TIED WITH STIRRUPS OF LINTEL IN SUCH A WAY THAT TOP BAR OF CHHAJJA SHOULD PASS OVER THIS BAR
15 MM. CHAMFER AT FREE END
8Φ@200C/C
TYPICAL CHHAJJA DETAIL UP TO 450mm PROJECTION
50mm. (MAX.) TYP.
POSITION OF 1st STIRRUPS IN BEAM
50mm. (MAX.) TYP.
L/4
SPACING < 150C/C
L
SPLICE LOCATION IF REQUIRED
2 - 9Φ
Φ8 @ 150 C/C
270
2 - 16Φ + 1-12Φ
230
TYP. SECTION FOR LINTEL
115
VERI. R/F Φ8 @ 200 C/C
800
HORI. R/F Φ8 @100c/c
DETAIL OF PARAPET
HOOK TO BE ANCHORED IN TOP BAR OF LINTEL
A
TOP BARS Φ8 @ 150 C/C
Φ8 @ 300C/C
300
100
W
750 (MAX.)
Φ8 @ 300C/C
8Φ@200C/C
15 MM. CHAMFER AT FREE END
1-Φ8 TO BE TIED WITH STIRRUPS OF LINTEL IN SUCH A WAY THAT TOP BAR OF CHHAJJA SHOULD PASS OVER THIS BAR
TYPICAL CHHAJJA DETAIL UP TO 750mm PROJECTION
75
VERI. R/F Φ8 @ 200 C/C
HORI. R/F 4-Φ8
300
DETAIL A
RELEASED FOR CONSTRUCTION.
POWER GRID CORPORATION OF INDIA LIMITED


PLINTH LEVEL LAYOUT FOR FFPH.
TYP. DETAIL FOR STIRRUPS ARRANGEMENT AND SPLICE JOINT IN BEAM
TYP. HOOK DETAILS OF STIRRUPS
ANCHORAGE OF BEAM BARS IN AN EXTERNAL COLUMN (TYP.)
TYPICAL DETAIL OF DOWEL BARS R.W.P. CONCEALMENT IN P.C.C.
B1 - 230X450 DEEP
SECTION '1-1'
SECTION '2-2'
RELEASED FOR CONSTRUCTION.
POWER GRID CORPORATION OF INDIA LIMITED

GENERAL NOTES:-

(1) ALL DIMENSIONS ARE IN MM AND LEVEL IN METERS.

(2) DO NOT SCALE THE DRG. FOLLOW WRITTEN DIMENSIONS ONLY

(3) UNLESS OTHERWISE NOTED ALL R.C.C. SHALL BE OF GRADE M-25.

(4) ALL LEAN CONCRETE SHALL BE 1:4.8 (1 CEMENT ,4 COARSE SAND 8 GRADED STONE AGGREGATE 40 MM NOMINAL SIZE).A SLIDING LAYER OF BITUMEN PAPER OR CRAFT PAPER SHALL BE PROVIDED BETWEEN BASE SLAB

(5) ALL REINFORCEMENT SHALL BE OF GRADE Fe 500 CONFORMING TO IS:1700-1985.

(6) CLEAR COVER TO REINFORCEMENT SHALL BE AS UNDER
- BOTTOM AND SIDES OF FOUNDATION - 50 MM
- FOR COLUMN - 40 MM
- FOR BEAMS - 25 MM
- FOR LINTELS, CHAJJAS & SLABS - 20 MM

7 PROVIDE CLEAR COVER TO REINFORCEMENT FOR WATER TANK AS GIVEN BELOW..
25 mm FOR FACE IN CONTACT WITH WATER
50 mm FOR FACE IN CONTACT WITH SOIL

8 ALL LAPS SHALL BE STAGGERED AND LAP LENGTH SHALL BE 50 TIMES THE BAR DIA.

9 CONSTRUCTION JOINT BE IN CONSULTATION WITH SITE INCHARGE TO SUIT CONCRETING PROGRAMME/FORM WORK.

10 WATER NOT TO BE FILLED IN TANK UNTIL TOP LIFT HAS BEEN CAST & CURED

11 INTEGRAL WATER PROOFING COMPOUND SHALL BE ADDED WHILE CONCRETING AS PER Manufacturer's RECOMMENDATIONS

12 ALL INSERTS, NOZZLES, PIPE SLEEVES ETC. SHALL BE PLACED IN POSITION BEFORE CONCRETING AS PER FIRE FIGHTING REQUIREMENTS.

13 DIMENSIONS OF EQUIPMENT FOUNDATIONS SHALL BE AS PER F.F.SYSTEM REQUIREMENTS.

14 PURL INS SHALL BE MANUFACTURED AFTER EXACT MEASUREMENT AT SITE.

15 COLOUR SCHEME MATCHING WITH CR BUILDING SHALL BE DECIDED AT SITE

16 ALL EXTERNAL WALLS ARE 230 THICK

17 WATER PROOFING SHALL BE DONE AS PER SPECIFICATION

18 ALL EXTERNAL SURFACES SHALL HAVE 18 MM THK CEMENT PLASTER AS PER SPECIFICATION.

19 ALL INTERNAL SURFACES SHALL HAVE 12 MM THK CEMENT PLASTER ON SMOOTH SURFACE OF BRICK WALL & 18mm THK. CEMENT PLASTER ON ROUGH SIDE OF BRICK WALL AS PER SPECIFICATION.

20 CEILINGS SHALL HAVE 6MM THK CEMENT PLASTER AS PER SPECIFICATION .

21 OUTSIDE AND INSIDE SURFACES OF FIRE WATER TANK SHALL BE UNPLASTERED AND PROVIDED WITH A NEAT COAT OF CEMENT WASH

22 FOUNDATION HAS BEEN DESIGNED FOR A BEARING CAPACITY OF 9.0 MT/SQM

23 LEVELS OF PLINTH BEAM SHALL BE VERIFIED AS PER CABLE ENTRY DETAILS.

निर्माण हेतु जारी

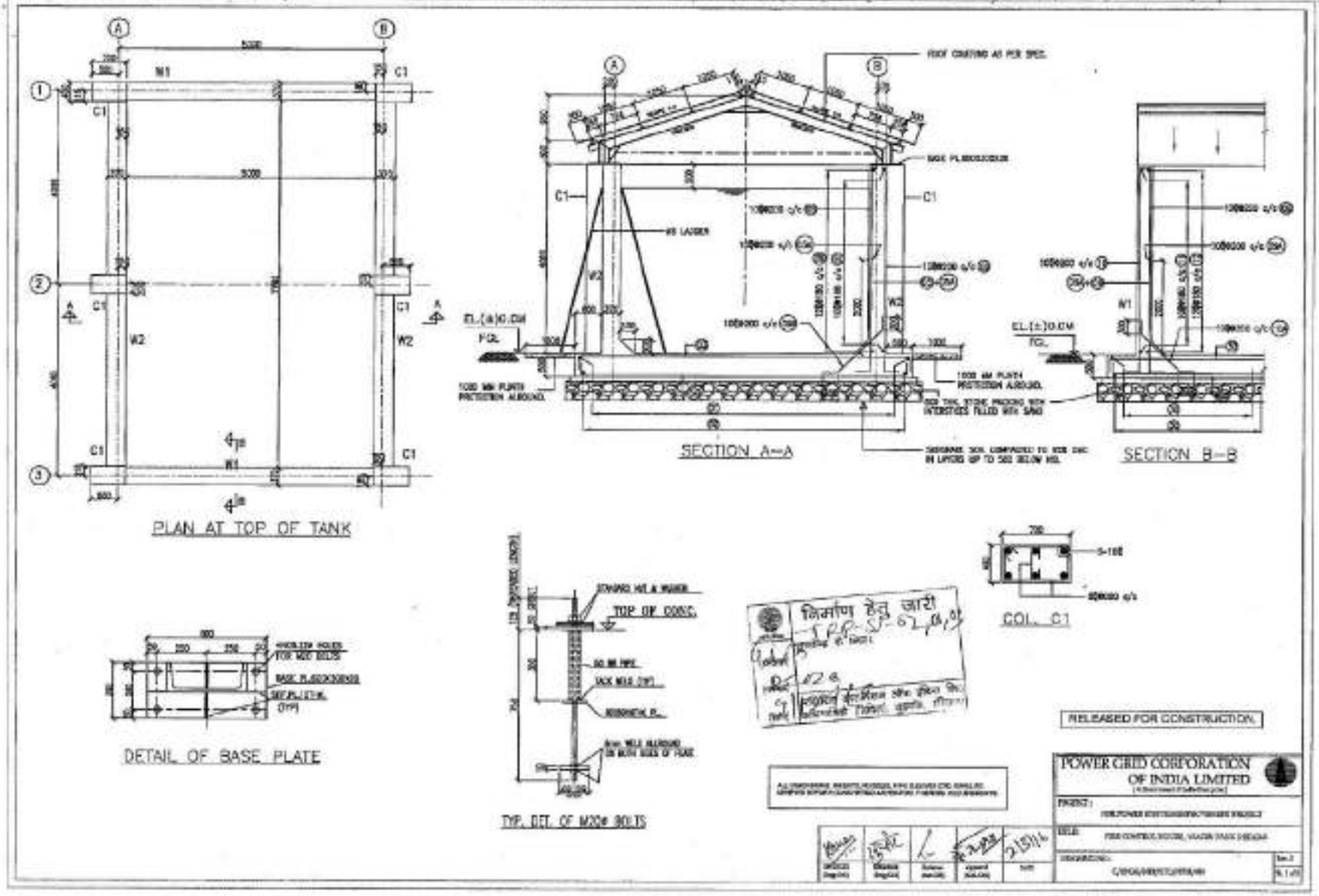
POWER GRID CORPORATION OF INDIA LIMITED

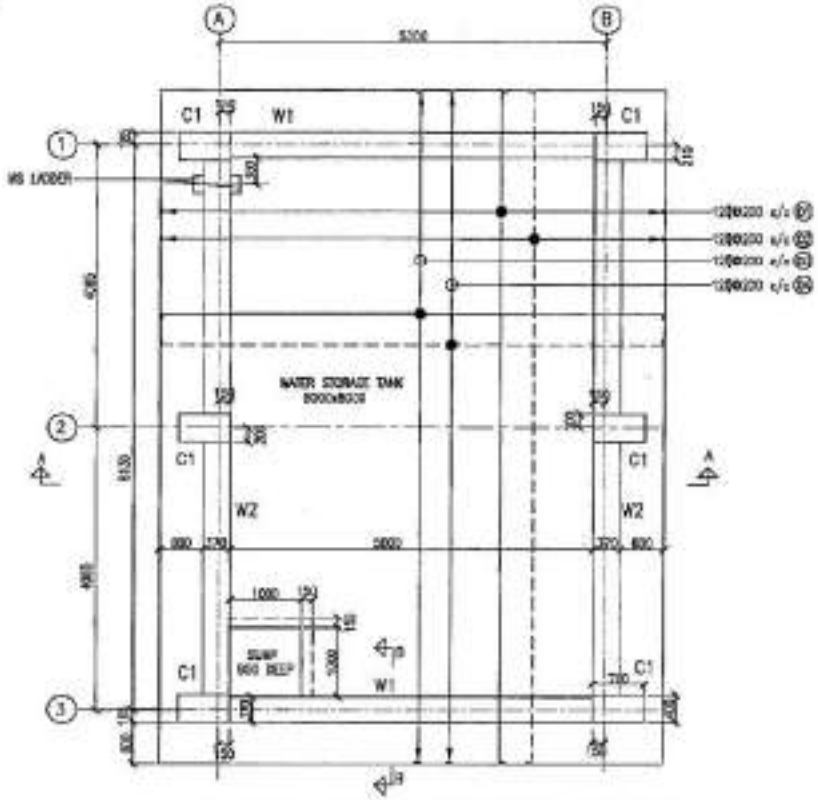
PROJECT:

TITLE: FIRE CONTROL HOUSE, GENERAL NOTES

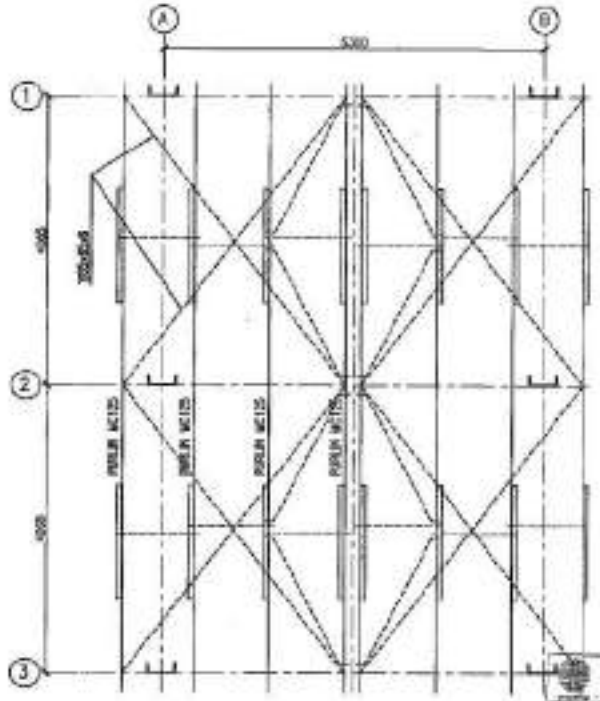
DRAWING NO.:

2/3/16


PLAN AT TOP OF TANK
SECTION A-A
SECTION B-B
DETAIL OF BASE PLATE
TYP. DET. OF M20# BOLTS
COL. C1
RELEASED FOR CONSTRUCTION
POWER GRID CORPORATION OF INDIA LIMITED



G.A. & REINF. DETAIL AT BOTTOM OF TANK



PLAN AT RAFTER LEVEL

NOTES:-

1. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METRES.
2. FIGURED DIMENSIONS ONLY SHALL BE FOLLOWED.
3. THIS DWG. IS TO BE READ IN CONJUNCTION WITH DWG. NO. CENG/RENISTD/FPH/001
4. UNLESS OTHERWISE NOTED ALL R.C.C. SHALL BE OF GRADE M-25
5. ALL REINFORCEMENT SHALL BE OF GRADE Fe-500 CONFORMING TO IS:1786-1985.
6. CLEAR COVER TO REINF. INCLUDING LINKS FOR R.C.C. MEMBERS SHALL BE AS UNDER:- FOOTING =50mm COLUMN =40mm WALL =40mm
7. STANDARD 'L' HOOKS SHALL BE PROVIDED AT THE ENDS OF ALL BARS.
8. LAP LENGTH/DEVELOPMENT LENGTH FOR MAIN REINFORCEMENT BARS AS PER IS: 456-2000 SHALL BE 50xDIA OF BAR
9. LAPS SHALL BE STAGGERED AND AVOIDED AT THE SECTIONS OF MAX. BENDING MOMENT
10. ANY LOOSE POCKET PATCH BELOW PERI. SHALL BE CLEARED AND FILLED WITH P.C.C. 1:4:8
11. BOTTOM BAR INDICATES:
12. TOP BAR INDICATES:
13. ANTICORROSIVE PAINTING SHALL BE GIVEN TO ALL STEEL MEMBERS.

निर्माण हेतु जारी

RELEASED FOR CONSTRUCTION

POWER GRID CORPORATION OF INDIA LIMITED

PROJECT: NER POWER SYSTEM IMPROVEMENT PROJECT

TITLE: SSS CONTROL HOUSE, WATER TANK DETAILS

DRAWING NO.:

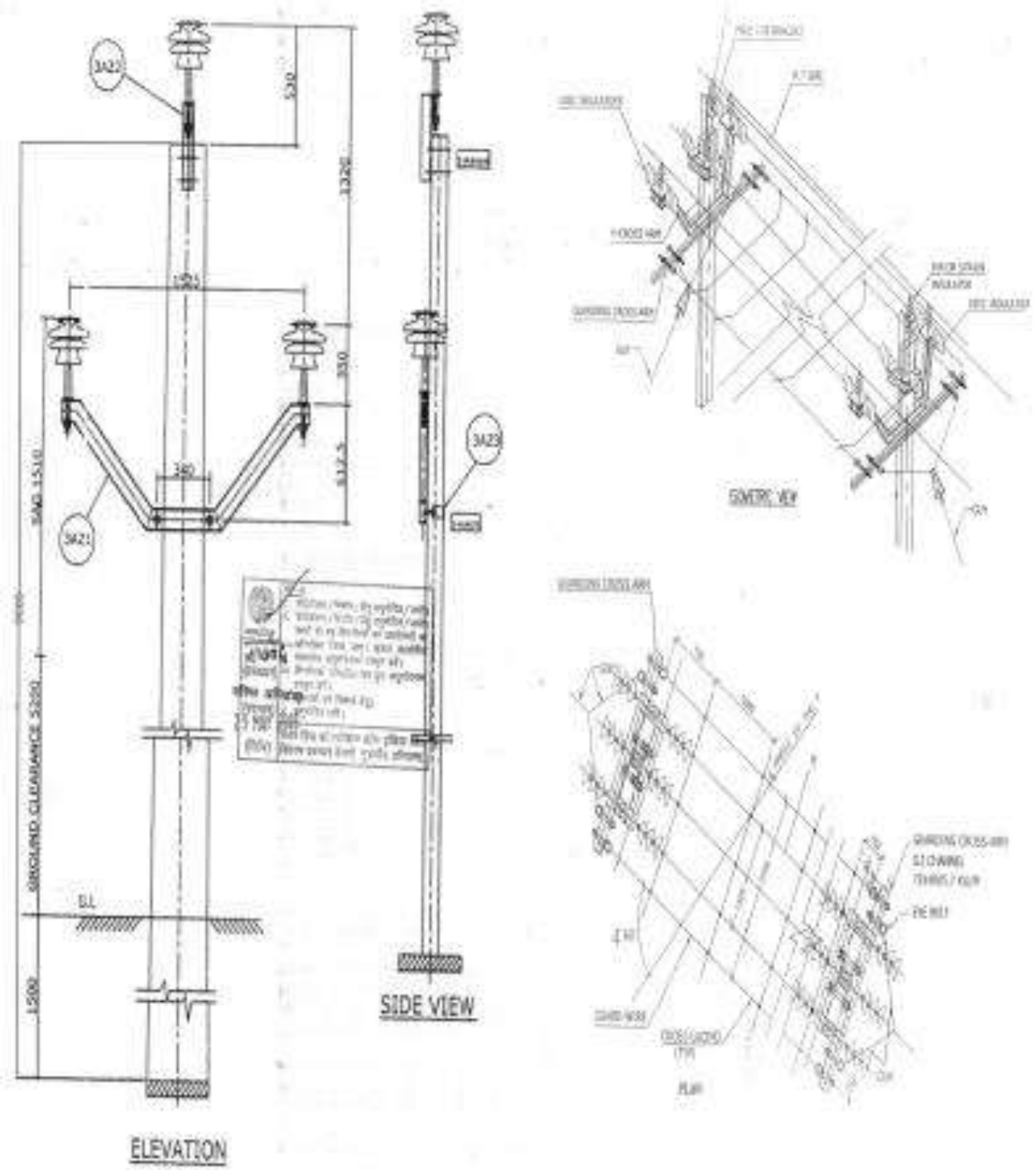
REV. 0

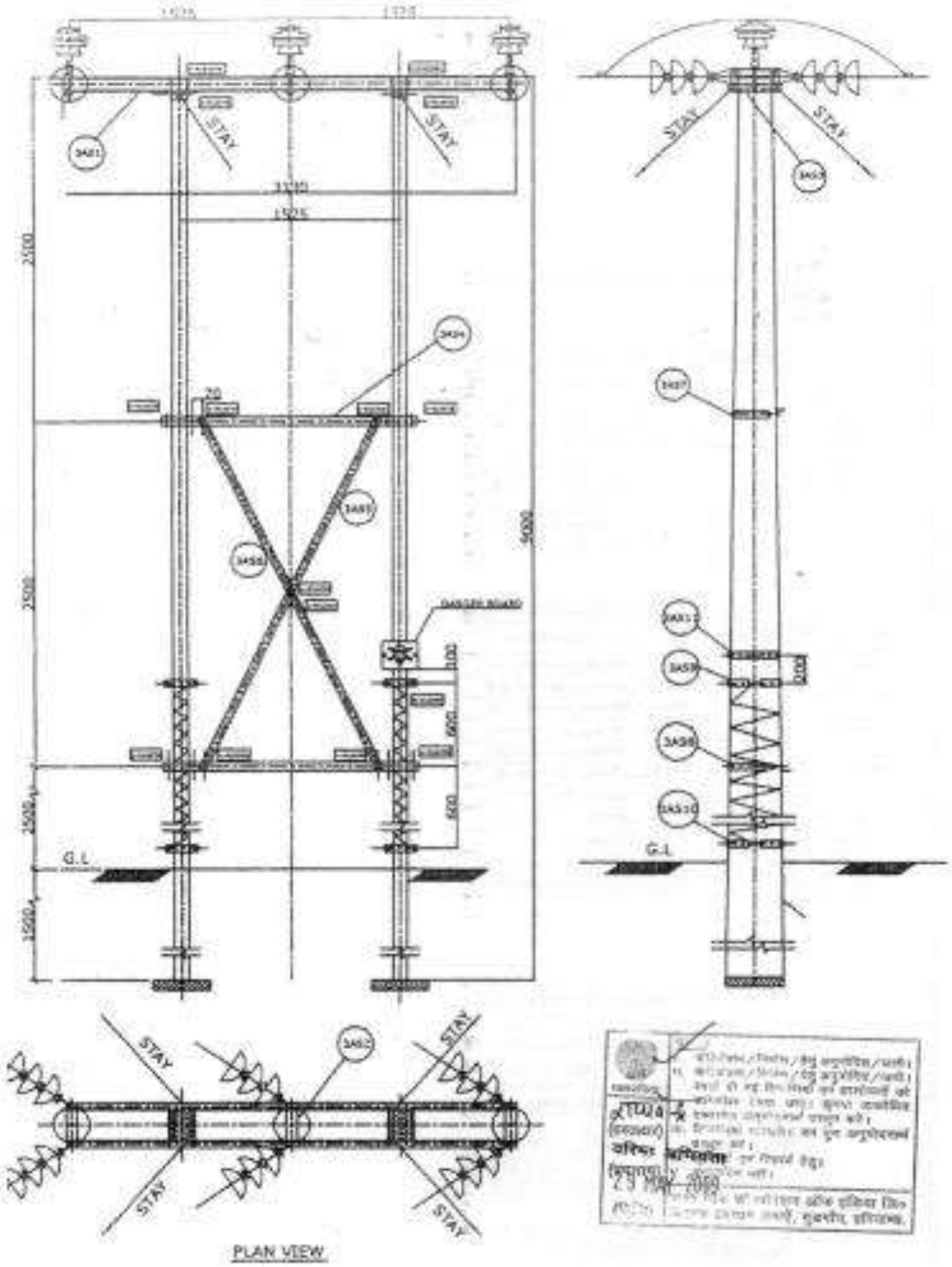
SHEET 1 OF 2

Annexure 13

DRAWING OF 33 KV LINES (SINGLE & H POLE) DEPICTING AREA OF INFLUENCE

Fig.- 1a

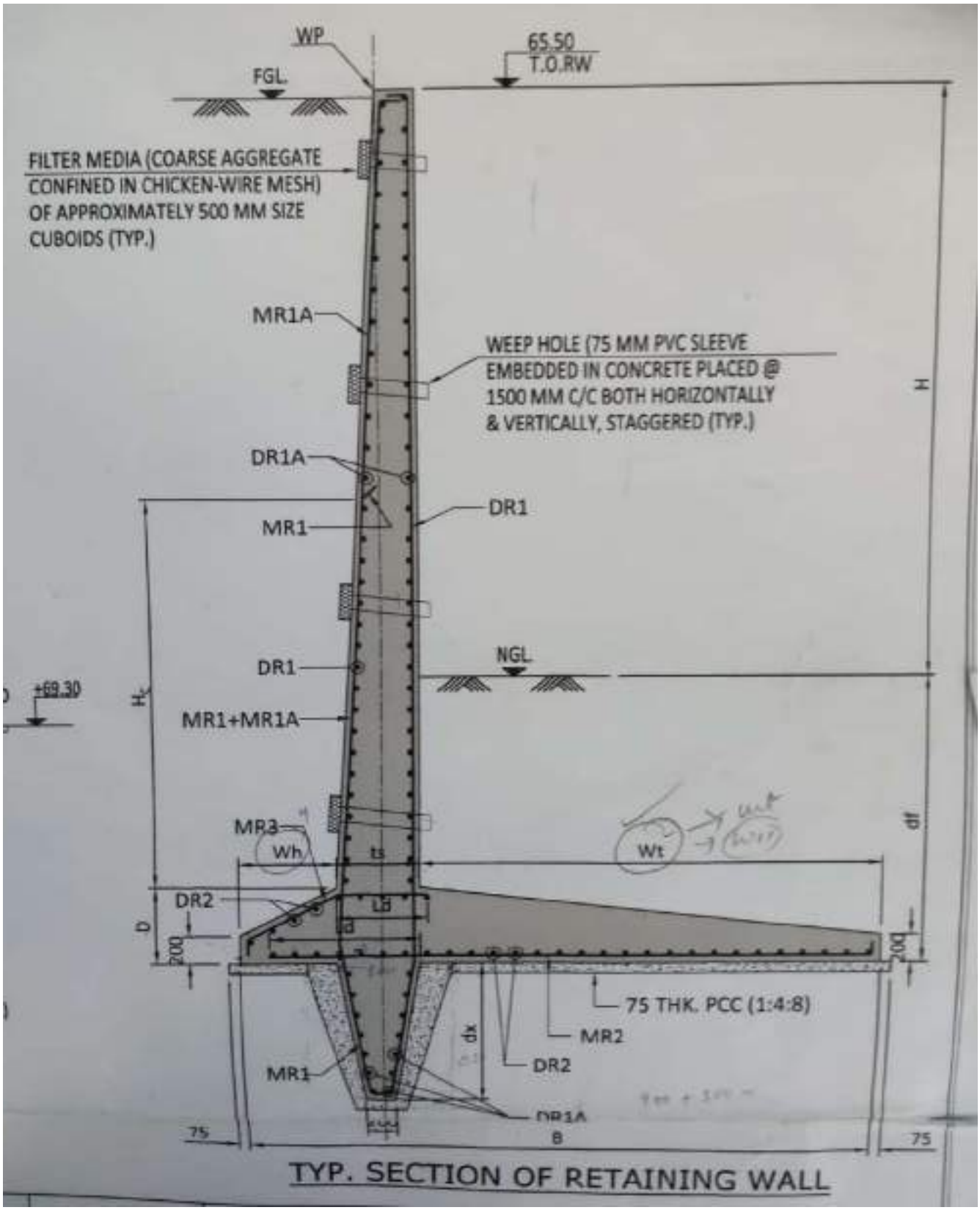

3A22
3A21
3A23
SAG 1510
GROUND CLEARANCE 5250
1500
SIDE VIEW
ELEVATION
GEOMETRIC VIEW
PLAN

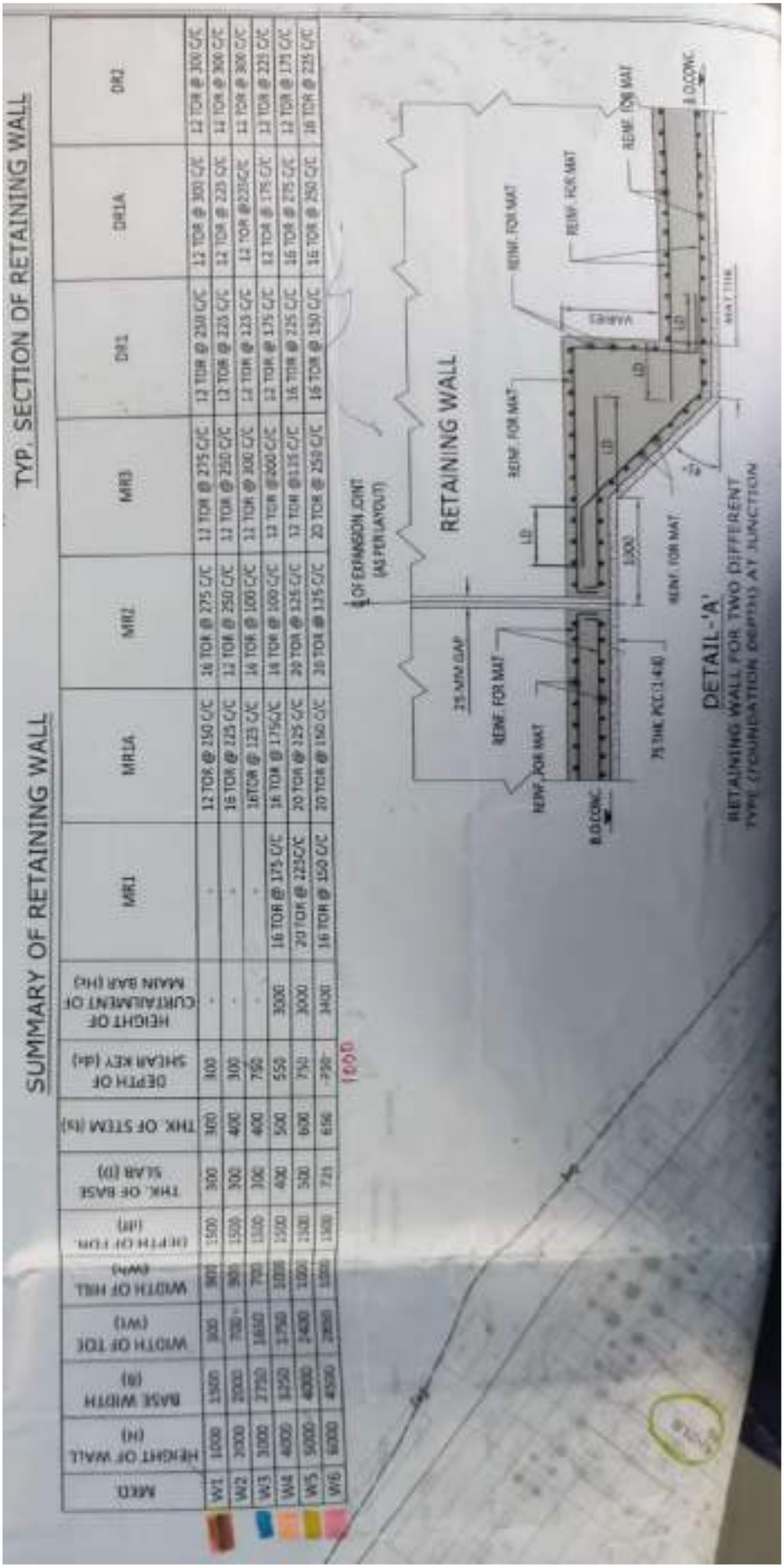

STAY
STAY
G.L
DANGER BOARD
PLAN VIEW

Annexure 14

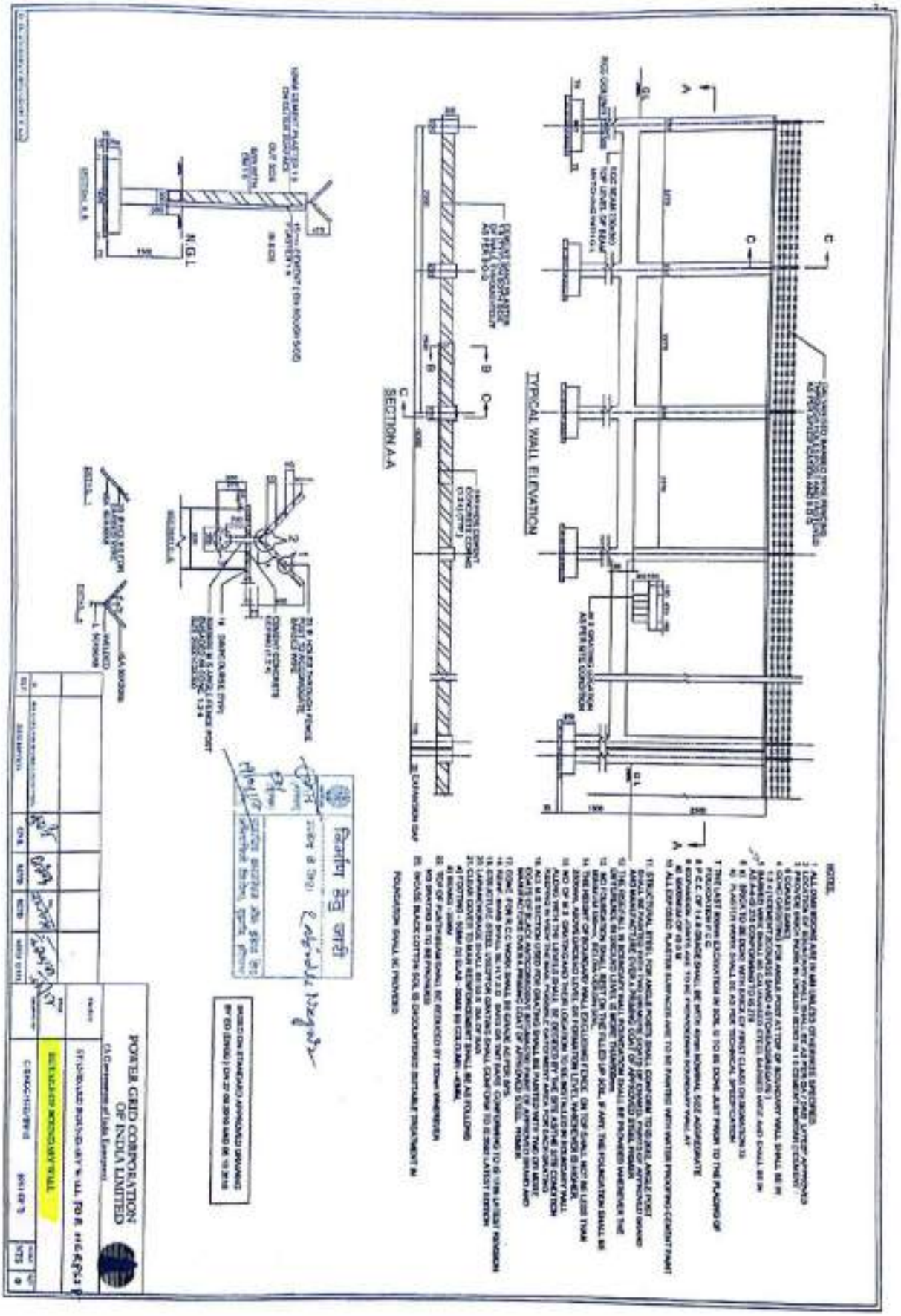
Drawings of RRM Wall / Pretension Wall / Boundary Wall

Drawing of Retention Wall

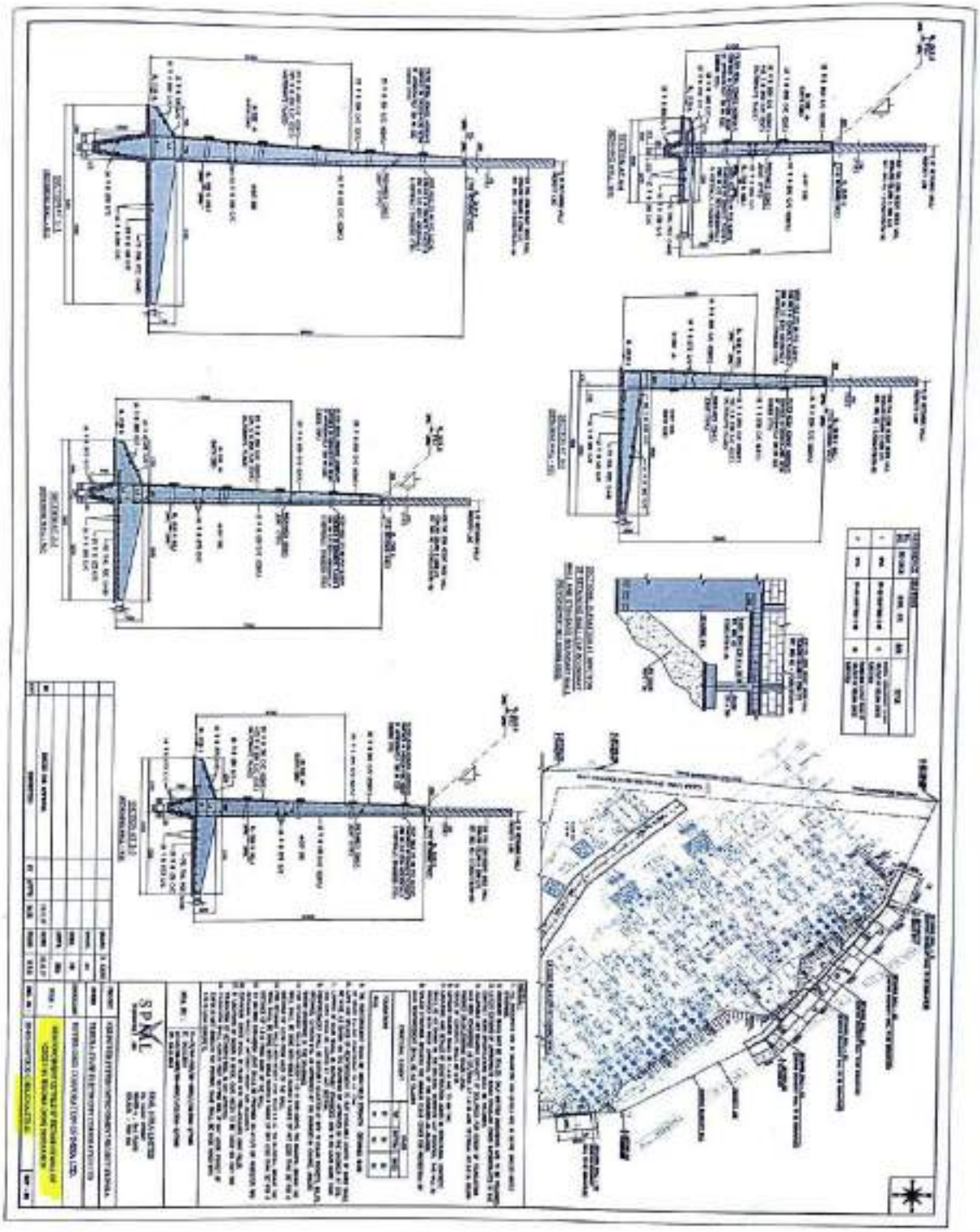



SUMMARY OF RETAINING WALL
MRT1
MRT1A
MR2
MR3
DR1
DR1A
DR2
TYP. SECTION OF RETAINING WALL
RETAINING WALL
DETAIL-'A'
RETAINING WALL FOR TWO DIFFERENT TYPE (FOUNDATION DEPTH) AT JUNCTION

Drawing of Boundary Wall (Standard)

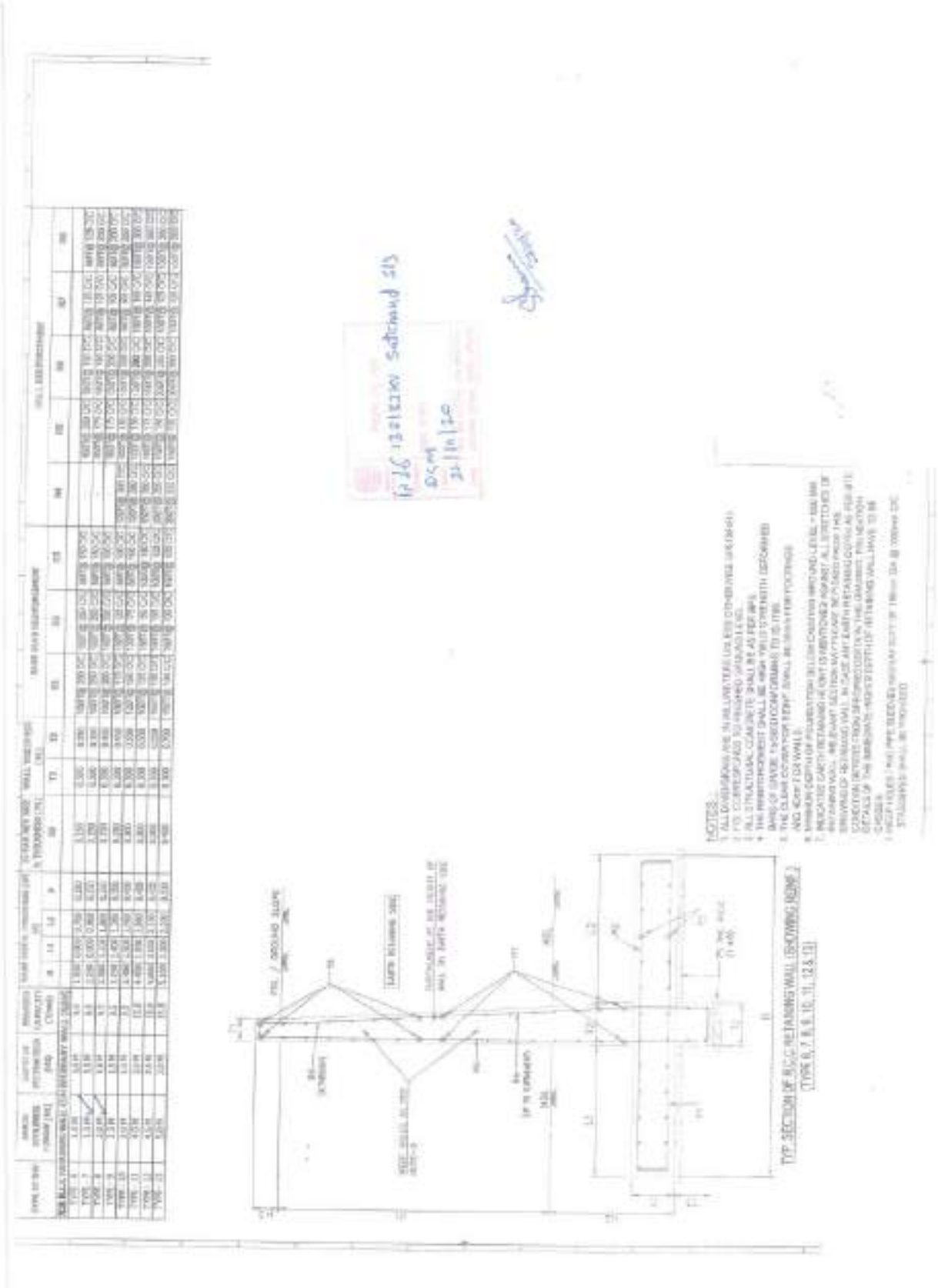


Retaining Wall Drawing – Belonia S/S

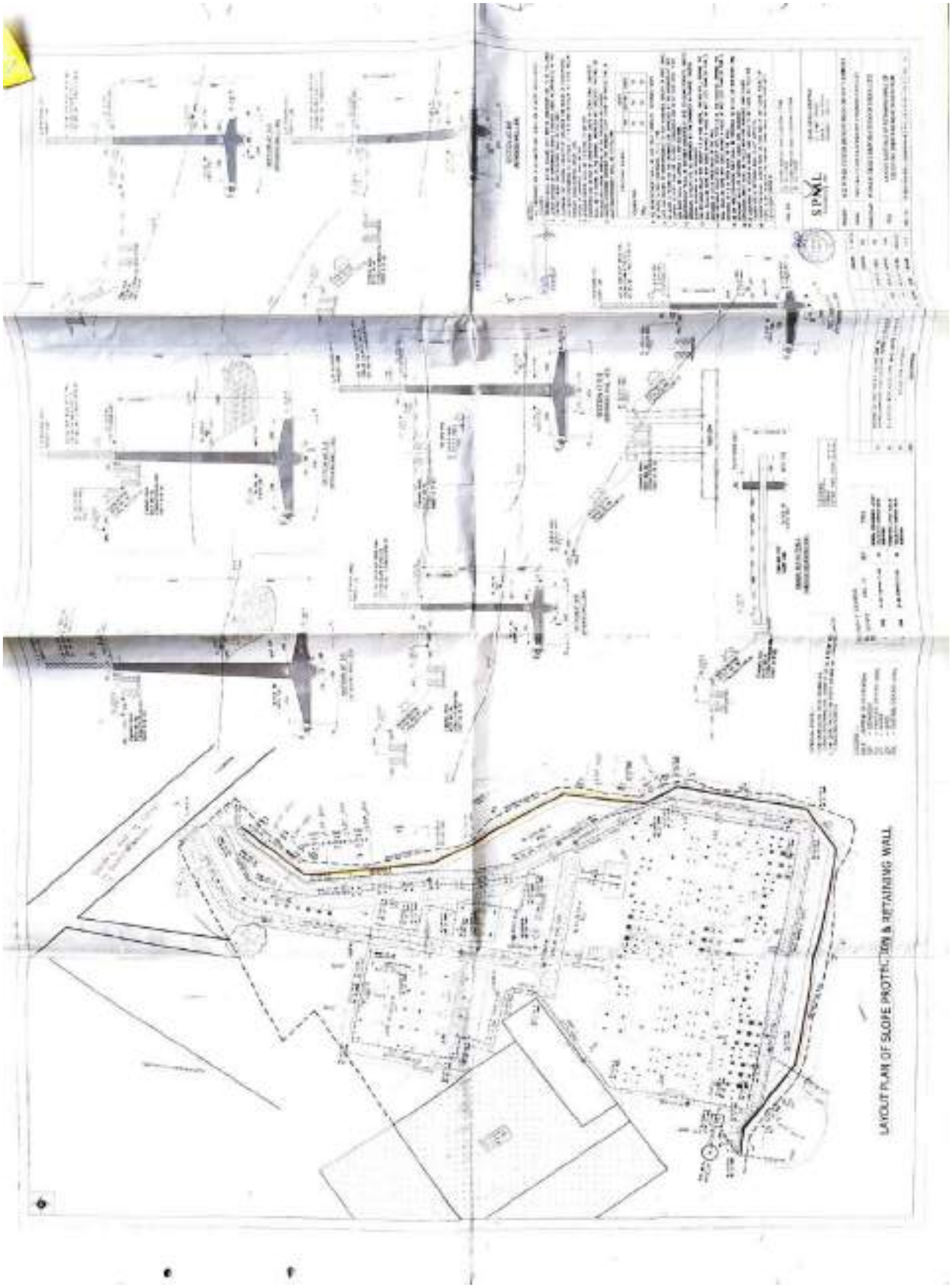


Scanned by CamScanner

Approved Drawing of Retaining Wall at Satchand S/S



Approved Drawing of Retaining Wall at Sabroom S/S



Annexure 15

Safety Conditions in Contract Agreement

POWER GRID CORPORATION OF INDIA LTD.

NERPSIP :: AGARTALA

Ref: NEAGT/NERPSIP-600/2018-19/ Dated: 12.05.2018

Sub: - Proposal for approval of Safety Plan for Tower Package TW-01, TW-02, TW-03 for Tripura associated to NERPSIP being awarded to M/s. EMC Limited.

Ref: - CC-CS/86-NER/TW-3612/1/G4/NOA-II/7337 dtd. 12.06.2017
CC-CS/86-NER/TW-3613/1/G4/NOA-II/7339 dtd. 12.06.2017
CC-CS/86-NER/TW-3614/1/G4/NOA-II/7341 dtd. 12.06.2017

1. Tower package TW-01, TW-02, TW-03 for Tripura associated to NERPSIP is awarded to M/s. EMC Limited. Under the above said package there are total 08 No. 132kV New Transmission Lines, 03 No. Interconnection portions and 03 No. LILOs with total of 238 km line length. The scope of work also includes 260 km and 171 km OPGW stringing in 14 No. 132kV New and 09 No. 132kV Existing Transmission Lines, respectively.
2. As per the contract agreement Volume B, Section IX. PCC 22.4.3.26, the contractor has to submit the Safety Plan as per Section IX: Contract Forms, Part-3 of bidding document.
3. M/s. EMC Limited vide their letter reference EMC/Tripura/Safety/2018/48 dated 18.01.2018; EMC/Tripura/TW-02/Safety/26; EMC/Tripura/TW03/2017-18/29 dated 04.04.2018 has requested for approval of the Safety Plan to in line with contract agreement guidelines for implementation during the construction of 132kV New Transmission Lines under Tower package TW-01, TW-02, TW-03. The Safety Plan is enclosed for kind perusal.
4. The documents and enclosures submitted by M/s. EMC Limited has been checked and found in order as per requirement of LOA.
5. In view of above it is recommended to approve the Safety Plan for the Tower Package TW-01, TW-02, TW-03 as submitted by M/s. EMC Limited.

Put up for kind approval please.

Rahul 12/05/2018

(Rahul Misra)
FO (ESM), Agartala

Dy. Manager (NERPSIP)/ Agartala 12/05/2018

DGM (NERPSIP) / Agartala

Approved as proposed.

11/05/2018

11/5/18

R. Misra, FO (ESM)

Rahul 11/05/18

भारतीय गैर न्यायिक

बीस रुपये

रु.20

Rs.20

TWENTY RUPEES

INDIA

INDIA NON JUDICIAL

पश्चिमबंगाल पश्चिम बंगाल WEST BENGAL 22AA 264826

SAFETY PLAN

THIS SAFETY PLAN is made this 7th day of August 2017 by EMC LIMITED, a Company registered under the Companies Act, 1956 concern having its Registered Office at Constantia Office Complex, 11, Dr U N Brahmachari Street, 8th Floor, South Block, Kolkata-700017 (hereinafter called as 'Contractor' which expression shall include its successors and permitted assigns) for approval of M/s Power Grid Corporation of India Limited., a company incorporated under the Companies Act, 1956 having its Registered Office at B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi – 110 016 for its Contract for Tower Package TW01 associated with NER Power System Improvement Project (Intra-State: Tripura) (Specification No CC-CS/86-NER/TW-3612/1/G4)

WHEREAS POWERGRID has awarded to the Contractor the aforesaid Contract vide its Notification of Award No. CC-CS/86-NER/TW-3612/1/G4/NOA-I/7336 & NOA-II/7337 dated 12.06.2017 for construction of Tower Package : TW-01 associated with NER Power System Improvement Project (Intra-State : Tripura) – Specification NO. CC-CS/86-NER/TW-3612/1/G4 (hereinafter called the "Contract") in terms of which the Contractor is required to submit 'Safety Plan' along with certain documents to the Engineer In-Charge/Project Manager of the POWERGRID within Sixty (60) days of Notification of Award for its approval.

NOW THEREFORE, the Contractor undertakes to execute the Contract as per the safety plan as follows:

1. THAT the Contractor shall execute the works as per provisions of Bidding Documents including those in regard to Safety Precautions / provisions as per statutory requirements.

For EMC Limited.
Rakesh Kumar
Safety Officer

For EMC Limited.
Mithu Dutta
(Project Manager)

EMC LIMITED Kolkata

भारतीय गैर न्यायिक

बीस रुपये

रु.20

Rs.20

TWENTY RUPEES

INDIA NON JUDICIAL

পশ্চিমবঙ্গ पश्चिम बंगाल WEST BENGAL

22AA 264827

SAFETY PLAN

THIS SAFETY PLAN is made this 7th day of August 2017 by EMC LIMITED, a Company registered under the Companies Act, 1956 concern having its Registered Office at Constantia Office Complex, 11, Dr U N Brahmachari Street, 8th Floor, South Block, Kolkata-700017 (hereinafter called as 'Contractor' which expression shall include its successors and permitted assigns) for approval of M/s Power Grid Corporation of India Limited., a company incorporated under the Companies Act, 1956 having its Registered Office at B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi – 110 016 for its Contract for Tower Package TW02 associated with NER Power System Improvement Project (Intra-State: Tripura) (Specification No CC-CS/86-NER/TW-3612/1/G4)

WHEREAS POWERGRID has awarded to the Contractor the aforesaid Contract vide its Notification of Award No. CC-CS/86-NER/TW-3613/1/G4/NOA-I/7338 & CA-II/7339 dated 12.06.2017 for Construction of Tower Package : TW-02 associated with NER Power System Improvement Project (Inter-State : Tripura) – Specification No. CC-CS/86-NER/TW-3613/1/G4 (hereinafter called the "Contract") in terms of which the Contractor is required to submit 'Safety Plan' along with certain documents to the Engineer In-Charge/Project Manager of the POWERGRID within Sixty (60) days of Notification of Award for its approval.

NOW THEREFORE, the Contractor undertakes to execute the Contract as per the safety plan as follows:

1. THAT the Contractor shall execute the works as per provisions of Bidding Documents including those in regard to Safety Precautions / provisions as per statutory requirements.

भारतीय गैर न्यायिक

बीस रुपये

रु.20

Rs.20

TWENTY RUPEES

INDIA NON JUDICIAL

পশ্চিমবঙ্গ पश्चिम बंगाल WEST BENGAL 22AA 264828

SAFETY PLAN

THIS SAFETY PLAN is made this 7th day of August 2017 by EMC LIMITED, a Company registered under the Companies Act, 1956 concern having its Registered Office at Constantia Office Complex, 11, Dr U N Brahmachari Street, 8th Floor, South Block, Kolkata-700017 (hereinafter called as 'Contractor' which expression shall include its successors and permitted assigns) for approval of M/s Power Grid Corporation of India Limited., a company incorporated under the Companies Act, 1956 having its Registered Office at B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi – 110 016 for its Contract for Tower Package TW03 associated with NER Power System Improvement Project (Intra-State, Tripura) (Specification No CC-CS/86-NER/TW-3612/1/G4)

WHEREAS POWERGRID has awarded to the Contractor the aforesaid Contract vide its Notification of Award No. CC-CS/86-NER/TW-3614/1/G4/NOA-I/7340 & CA-II/7341 dated 12.06.2017 for Construction of Tower Package-TW-03 associated with NER Power System Improvement Project (Inter-State : Tripura – Specification No. CC-CS/86-NER/TW-3614/1/G4 (hereinafter called the "Contract") in terms of which the Contractor is required to submit 'Safety Plan' along with certain documents to the Engineer In-Charge/Project Manager of the POWERGRID within Sixty (60) days of Notification of Award for its approval.

NOW THEREFORE, the Contractor undertakes to execute the Contract as per the safety plan as follows:

1. THAT the Contractor shall execute the works as per provisions of Bidding Documents including those in regard to Safety Precautions / provisions as per statutory requirements.

EMC LIMITED

THE CONTRACTOR shall incorporate modifications/changes in this 'Safety Plan' necessitated on the basis of review/comments of the Engineer In-Charge/Project Manager within fourteen (14) days of receipt of review/comments and on final approval of the Engineer In-Charge/Project Manager of this 'Safety Plan', the Contractor shall execute the works under the Contract as per approved 'Safety Plan'. Further, the Contractor has also noted that the first progressive payment towards Services Contract shall be made on submission of 'Safety Plan' alongwith all requisite documents and approval of the same by the Engineer In-Charge/Project Manager.

IN WITNESS WHEREOF, the Contractor has hereunto set its hand through its authorised representative under the common seal of the Company, the day, month and year first above mentioned.

For and on behalf of
EMC Limited

Name : MANOJ TOSHNIWAL
Designation : Managing Director

(Common Seal)

WITNESS

1. . Signature .....

Name :

Address :

2. . Signature .....

Name :

Address :

ordered by the Employer consistent with the requirements of the Contract.

PC 21.4 Replace the word '**materials**' in line no. 2 with '**Plant and Equipment**'.

Add the word '**including liabilities for port charges if any**' after the word '**clearance**' in line no. 3.

Addition of Sub-Clauses (PC22.2.3.1, PC22.2.3.2, PC22.2.3.3, PC 22.2.3.4) of GC 22.2.3

PC 22.2.3.1 Compliance with Labour Regulations

During continuance of the contract, the Contractor and his sub-contractors shall abide at all times by all applicable existing labour enactments and rules made thereunder, regulations notifications and byelaws of the State or Central Government or local authority and any other labour law (including rules), regulations bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority. The employees of the Contractor and the Sub-contractor in no case shall be treated as the employees of the Employer at any point of time.

PC 22.2.3.2 The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made thereunder, regulations or notifications including amendments.'

PC 22.2.3.3 If the Employer is caused to pay under any law as principal employer such amounts as may be necessary to cause or observe, or for non observance of the provisions stipulated in the notifications/ byelaws/Acts/ Rules/regulations including amendments, if any, on the part of the Contractor, the Employer shall have the right to deduct any money due to the Contractor under this contract or any other contract with the employer including his amount of performance security for adjusting the aforesaid payment. The Employer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

PC 22.2.3.4 Salient features of some major laws applicable to establishments engaged in building and other construction works are indicated at **Appendix-I** to PC.

Addition of New Sub-Clauses (PC22.4.1 to 22.4.3 including its sub-clauses) of GC 22.4

PC 22.4.1 **Protection of Environment**

The Contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other

causes arising as consequence of his methods of operation.

During continuance of the Contract, the Contractor and his Sub-contractors shall abide at all times by all existing enactments on environmental protection and rules made there under, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, bye-law, regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority.

Salient features of some of the major laws that are applicable are given below:

The Water (Prevention and Control of Pollution) Act, 1974. This provides for the prevention and control of water pollution and the maintaining and restoring of wholesomeness of water. 'Pollution' means such contamination of water or such alteration of the physical, chemical or biological properties of water or such discharge of any sewage or trade effluent or of any other liquid, gaseous or solid substance into water (whether directly or indirectly) as may, or is likely to, create a nuisance or render such water harmful or injurious to public health or safety, or to domestic, commercial, industrial, agricultural or other legitimate uses, or to the life and health of animals or plants or of aquatic organisms.

The Air (Prevention and Control of Pollution) Act, 1981. This provides for prevention, control and abatement of air pollution. 'Air Pollution' means the presence in the atmosphere of any 'air pollutant', which means any solid, liquid or gaseous substance (including noise) present in the atmosphere in such concentration as may be or tend to be injurious to human beings or other living creatures or plants or property or environment.

The Environment (Protection) Act, 1986. This provides for the protection and improvement of environment and for matters connected therewith, and the prevention of hazards to human beings, other living creatures, plants and property. 'Environment' includes water, air and land and the inter-relationship which exists among and between water, air and land, and human beings, other living creatures, plants, micro-organism and property.

The Public Liability Insurance Act, 1991. This provides for public liability insurance for the purpose of providing immediate relief to the persons affected by accident occurring while handling hazardous substances and for matters connected herewith or incidental thereto. Hazardous substance means any substance or preparation which is defined as hazardous substance under Environment (Protection) Act, 1986, and exceeding such quantity as may be specified by notification by the Central Government.

PC 22.4.2 (i) The Contractor shall (a) establish an operational system of managing environmental impacts, (b) carry out all the monitoring and mitigation measures set forth in the environment management plan attached to the Particular Conditions as Appendix-I, and (c) allocate the budget required

to ensure that such measures are carried out. The Contractor shall submit to the Employer (quarterly) semi-annual) reports on the carrying out of such measures.

(ii) The Contractor shall adequately record the conditions of roads, agricultural land and other infrastructure prior to transport of material and construction commencement, and shall fully reinstate pathways, other local infrastructure and agricultural land to atleast their pre-project condition upon construction completion.

(iii) The Contractor shall undertake detailed survey of the affected persons during transmission line alignment finalization under the Project, where applicable, and

(iv) The Contractor shall conduct health and safety programme for workers employed under the Contract and shall include information on the risk of sexually transmitted diseases, including HIV/AIDS in such programs.

PC 22.4.3 Safety Precautions

PC 22.4.3.1 The Contractor shall observe all applicable regulations regarding safety on the Site.

Unless otherwise agreed, the Contractor shall, from the commencement of work on Site until taking over, provide:

a) fencing, lighting, guarding and watching of the Works wherever required, and

b) temporary roadways, footways, guards and fences which may be necessary for the accommodation and protection of Employer / his representatives and occupiers of adjacent property, the public and others.

PC 22.4.3.2 The Contractor shall ensure proper safety of all the workmen, materials, plant and equipment belonging to him or to THE EMPLOYER or to others, working at the Site. The Contractor shall also be responsible for provision of all safety notices and safety equipment required both by the relevant legislations and the Engineer, as he may deem necessary.

PC 22.4.3.3 The Contractor will notify well in advance to the Engineer of his intention to bring to the Site any container filled with liquid or gaseous fuel or explosive or petroleum substance or such chemicals which may involve hazards. The Engineer shall have the right to prescribe the conditions, under which such container is to be stored, handled and used during the performance of the works and the Contractor shall strictly adhere to and comply with such

instructions. The Engineer shall have the right at his sole discretion to inspect any such container or such construction plant/equipment for which material in the container is required to be used and if in his opinion, its use is not safe, he may forbid its use. No claim due to such prohibition shall be entertained by the Owner and the Owner shall not entertain any claim of the Contractor towards additional safety provisions/conditions to be provided for/constructed as per the Engineer's instructions.

Further, any such decision of the Engineer shall not, in any way, absolve the Contractor of his responsibilities and in case, use of such a container or entry thereof into the Site area is forbidden by the Engineer, the Contractor shall use alternative methods with the approval of the Engineer without any cost implication to THE EMPLOYER or extension of work schedule.

PC 22.4.3.4 Where it is necessary to provide and/or store petroleum products or petroleum mixtures and explosives, the Contractor shall be responsible for carrying-out such provision and/or storage in accordance with the rules and regulations laid down in Petroleum Act 1934, Explosives Act, 1948 and Petroleum and Carbide of Calcium Manual published by the Chief Inspector of Explosives of India. All such storage shall have prior approval of the Engineer. In case, any approvals are necessary from the Chief Inspector (Explosives) or any statutory authorities, the Contractor shall be responsible for obtaining the same.

PC 22.4.3.5 All equipment used in construction and erection by Contractor shall meet Indian/International Standards and where such standards do not exist, the Contractor shall ensure these to be absolutely safe. All equipment shall be strictly operated and maintained by the Contractor in accordance with manufacturer's Operation Manual and safety instructions and as per Guidelines/rules of THE EMPLOYER in this regard.

PC 22.4.3.6 Periodical examinations and all tests for all lifting/hoisting equipment & tackles shall be carried-out in accordance with the relevant provisions of Factories Act 1948, Indian Electricity Act 1910 and associated Laws/Rules in force from time to time. A register of such examinations and tests shall be properly maintained by the Contractor and will be promptly produced as and when desired by the Engineer or by the person authorised by him.

PC 22.4.3.7 The Contractor shall be fully responsible for the safe storage of his and his Sub-Contractor's radioactive sources in accordance with BARC/DAE Rules and other applicable provisions. All precautionary measures stipulated by

BARC/DAE in connection with use, storage and handling of such material will be taken by the Contractor.

PC 22.4.3.8 The Contractor shall provide suitable safety equipment of prescribed standard to all employees and workmen according to the need, as may be directed by the Engineer who will also have right to examine these safety equipment to determine their suitability, reliability, acceptability and adaptability.

PC 22.4.3.9 Where explosives are to be used, the same shall be used under the direct control and supervision of an expert, experienced, qualified and competent person strictly in accordance with the Code of Practice/Rules framed under Indian Explosives Act pertaining to handling, storage and use of explosives.

PC 22.4.3.10 The Contractor shall provide safe working conditions to all workmen and employees at the Site including safe means of access, railings, stairs, ladders, scaffoldings etc. The scaffoldings shall be erected under the control and supervision of an experienced and competent person. For erection, good and standard quality of material only shall be used by the Contractor.

PC 22.4.3.11 The Contractor shall not interfere or disturb electric fuses, wiring and other electrical equipment belonging to the Owner or other Contractors under any circumstances, whatsoever, unless expressly permitted in writing by THE EMPLOYER to handle such fuses, wiring or electrical equipment.

PC 22.4.3.12 Before the Contractor connects any electrical appliances to any plug or socket belonging to the other Contractor or Owner, he shall:

a. Satisfy the Engineer that the appliance is in good working condition;

b. Inform the Engineer of the maximum current rating, voltage and phases of the appliances;

c. Obtain permission of the Engineer detailing the sockets to which the appliances may be connected.

PC 22.4.3.13 The Engineer will not grant permission to connect until he is satisfied that:

a. The appliance is in good condition and is fitted with suitable plug;
b. The appliance is fitted with a suitable cable having two earth conductors, one of which shall be an

earthed metal sheath surrounding the cores.

PC 22.4.3.14 No electric cable in use by the Contractor/Owner will be disturbed without prior permission. No weight of any description will be imposed on any cable and no ladder or similar equipment will rest against or attached to it.

PC 22.4.3.15 No repair work shall be carried out on any live equipment. The equipment must be declared safe by the Engineer and a permit to work shall be issued by the Engineer before any repair work is carried out by the Contractor. While working on electric lines/equipment, whether live or dead, suitable type and sufficient quantity of tools will have to be provided by the Contractor to electricians/workmen/officers.

PC 22.4.3.16 The Contractors shall employ necessary number of qualified, full time electricians/electrical supervisors to maintain his temporary electrical installation.

PC 22.4.3.17 The Contractor employing more than 250 workmen whether temporary, casual, probationer, regular or permanent or on contract, shall employ at least one full time officer exclusively as safety officer to supervise safety aspects of the equipment and workmen, who will coordinate with the Project Safety Officer. In case of work being carried out through Sub-Contractors, the Sub-Contractor's workmen/employees will also be considered as the Contractor's employees/workmen for the above purpose.

The name and address of such Safety Officers of the Contractor will be promptly informed in writing to Engineer with a copy to Safety Officer-in charge before he starts work or immediately after any change of the incumbent is made during currency of the Contract.

PC 22.4.3.18 In case any accident occurs during the construction/ erection or other associated activities undertaken by the Contractor thereby causing any minor or major or fatal injury to his employees due to any reason, whatsoever, it shall be the responsibility of the Contractor to promptly inform the same to the Engineer in prescribed form and also to all the authorities envisaged under the applicable laws.

PC 22.4.3.19 The Engineer shall have the right at his sole discretion to stop the work, if in his opinion the work is being carried out in such a way that it may cause accidents and endanger the safety of the persons and/or property, and/or equipment. In such cases, the Contractor shall be informed in writing about the nature of hazards and

possible injury/accident and he shall comply to remove shortcomings promptly. The Contractor after stopping the specific work can, if felt necessary, appeal against the order of stoppage of work to the Engineer within 3 days of such stoppage of work and decision of the Engineer in this respect shall be conclusive and binding on the Contractor.

PC 22.4.3.20 The Contractor shall not be entitled for any damages/compensation for stoppage of work due to safety reasons as provided in para GCC 22.4.3.19 above and the period of such stoppage of work will not be taken as an extension of time for completion of work and will not be the ground for waiver of levy of liquidated damages.

PC 22.4.3.21 It is mandatory for the Contractor to observe during the execution of the works, requirements of Safety Rules which would generally include but not limited to following:

Safety Rules

a) Each employee shall be provided with initial indoctrination regarding safety by the Contractor, so as to enable him to conduct his work in a safe manner.

b) No employee shall be given a new assignment of work unfamiliar to him without proper introduction as to the hazards incident thereto, both to himself and his fellow employees.

c) Under no circumstances shall an employee hurry or take unnecessary chance when working under hazardous conditions.

d) Employees must not leave naked fires unattended. Smoking shall not be permitted around fire prone areas and adequate fire fighting equipment shall be provided at crucial location.

e) Employees under the influence of any intoxicating beverage, even to the slightest degree shall not be permitted to remain at work.

f) There shall be a suitable arrangement at every work site for rendering prompt and sufficient first aid to the injured.

g) The staircases and passageways shall be adequately lighted.

h) The employees when working around moving machinery, must not be permitted to wear loose

EMPLOYER employees or any other person who are at Site or adjacent thereto, then the Contractor shall be responsible for payment of a sum as indicated below to be deposited with THE EMPLOYER, which will be passed on by THE EMPLOYER to such person or next to kith and kin of the deceased:

a.	Fatal injury or accident causing death	Rs. 1,000,000/- per person
b.	Major injuries or accident causing 25% or more permanent disablement	Rs. 100,000/- per person

Permanent disablement shall have same meaning as indicated in Workmen's Compensation Act. The amount to be deposited with THE EMPLOYER and passed on to the person mentioned above shall be in addition to the compensation payable under the relevant provisions of the Workmen's Compensation Act and rules framed there under or any other applicable laws as applicable from time to time. In case the Contractor does not deposit the above mentioned amount with THE EMPLOYER, such amount shall be recovered by THE EMPLOYER from any monies due or becoming due to the Contractor under the contract or any other on-going contract.

PC22.4.3.25 If the Contractor observes all the Safety Rules and Codes, Statutory Laws and Rules during the currency of Contract awarded by the Owner and no accident occurs then THE EMPLOYER may consider the performance of the Contractor and award suitable 'ACCIDENT FREE SAFETY MERITORIOUS AWARD' as per scheme as may be announced separately from time to time.

PC22.4.3.26 The Contractor shall also submit 'Safety Plan' as per proforma specified in Section IX: Contract Forms, Part-3 of Bidding Documents alongwith all the requisite documents mentioned therein and as per check-list contained therein to the Engineer In-Charge for its approval within 60 days of award of Contract.

Further, one of the conditions for release of first progressive payment / subsequent payment towards Services Contract shall be submission of 'Safety Plan' alongwith all requisite documents and approval of the same by the Engineer In-Charge.

PC 22.6 **Emergency Work (GC Clause 22.6)**

Replace the words "Otherwise" with "In case such work is not in the scope of the Contractor", in the second last line of second paragraph of GC clause 22.6.

PC 23.3 **Supplementing sub-clause GC 23.3**

For notification of testing, four weeks shall be deemed as reasonable advance notice.

PC 23.7 **Test and Inspection (GC Clause 23.7)**

Replace the words "GC Sub-Clause 6.1" with "GC Sub-Clause 46.1", in the last line of GC clause 23.7.

PC 24 **Replace the marginal words/headings 'Completion of the Facilities' with 'Pre Commissioning'**

PC 24.5 **Replace sub clause GC 24.5 with the following:**

The Project Manager shall, within fourteen (14) days after receipt of the Contractor's notice under sub clause GC 24.4, notify the Contractor in writing of any defects and/or deficiencies.

If the Project Manager notifies the Contractor of any defects and/or deficiencies, the Contractor shall then correct such defects and/or deficiencies, and shall repeat the procedure described in sub clause GC 24.4. If the Project Manager is satisfied that the Facilities or that part thereof have passed Pre-commissioning, the Project Manager shall, within fourteen (14) days after receipt of the Contractor's notice/ seven (7) days after receipt of the Contractor's repeated notice, advise the Contractor to proceed with the Commissioning of the Facilities or that part thereof. If the Project Manager is not so satisfied, then it shall notify the Contractor in writing of any defects and/or deficiencies within seven (7) days after receipt of the Contractor's repeated notice, and the above procedure shall be repeated.

PC 24.6 **Replacing Sub-Clause GC 24.6**

If the Project Manager fails to advise the Contractor to proceed with the Commissioning of the Facilities or the relevant part thereof or inform the Contractor of any defects and/or deficiencies within fourteen (14) days after receipt of the Contractor's notice under GC Sub-Clause 24.4 or within seven (7) days after receipt of the Contractor's repeated notice under GC Sub-Clause 24.5, then the Facilities or that part thereof shall be deemed to have passed Precommissioning, as of the date of the Contractor's notice or repeated notice, as the case may be.

PC 24.7 **Replace the word** 'Completion' with 'Pre-commissioning' in the 1st line of sub clause GC 24.7.

Annexure 16

Safety Plan

SAFETY PLAN

13. FORM OF SAFETY PLAN TO BE SUBMITTED BY THE CONTRACTOR WITHIN SIXTY DAYS OF AWARD OF CONTRACT

[TO BE EXECUTED ON A NON JUDICIAL STAMP PAPER WORTH RS. TWENTY ONLY]

SAFETY PLAN

THIS SAFETY PLAN is made this……..... day of …….... 20..... by …….. a Company registered under the Companies Act, 1956/Partnership firm/proprietary concern having its Registered Office at …….....[to be modified suitably for JV Contractor] (hereinafter called as 'Contractor' which expression shall include its successors and permitted assigns) for approval of .....(insert name of the Employer)....., a company incorporated under the Companies Act, 1956 having its Registered Office at ..... (Insert registered address of the Employer)..... for its Contract for ……..... ..... (Insert package name, project name along with Specification number of the Contract)..... WHEREAS..... (Abbreviated name of the Employer)..... has awarded to the Contractor the aforesaid Contract vide its Notification of Award/Contract No. ..... dated ……..and Amendment No. ..... (Applicable when amendments have been issued(hereinafter called the "Contract") in terms of which the Contractor is required to submit 'Safety Plan' along with certain documents to the Engineer In-Charge/Project Manager of the Employer within Sixty (60) days of Notification of Award for its approval.

NOW THEREFORE, the Contractor undertakes to execute the Contract as per the safety plan as follows:

1. THAT the Contractor shall execute the works as per provisions of Bidding Documents including those in regard to Safety Precautions / provisions as per statutory requirements.

2. THAT the Contractor shall execute the works in a well-planned manner from the commencement of Contract as per agreed mile stones of work completion schedule so that planning and execution of construction works goes smoothly and consistently throughout the contract duration without handling pressure in last quarter of the financial year/last months of the Contract and the shall be finalized in association with EMPLOYER Engineer In-charge/Project Manager from time to time as required.

3. THAT the Contractor has prepared the safe work procedure for each activity i.e. foundation works including civil works, erection, stringing (as applicable), testing & commissioning, disposal of materials at site / store etc. to be executed at site, which is

enclosed at **Annexure – 1A (SP)** for acceptance and approval of Engineer In-charge/Project Manager. The Contractor shall ensure that on approval of the same from Engineer In-charge/Project Manager , the approved copies will be circulated to Employer's personnel at site [Supervisor(s)/Executive(s)] and Contractor's personnel at site [Gang leader, supervisor(s) etc.] in their local language / language understood by gang.

4. THAT the Contractor has prepared minimum manpower deployment plan, activity wise as stated above, which is enclosed at **Annexure – 1B** (SP) for approval of Engineer In- charge/Project Manager.

5. THAT the Contractor shall ensure while executing works that they will deploy minimum 25% of their own experienced work force who are on the permanent roll of the company and balance 75% can be a suitable mixed with the hired gangs / local workers / casual workers if required. The above balance 75% work force should be provided with at least 10 days training by the construction agencies at sites and shall be issued with a certificate. No worker shall be engaged without a valid certificate. Hired gang workers shall also follow safe working procedures and safety norms as is being followed by company's workmen. It should also be ensured by the contractor that certified fitters who are climbing towers / doing stringing operations can be easily identifiable with a system like issue of Badge / Identification cards (ID cards) etc. Color identification batches should be worn by the workers. Contractor has to ensure that inexperience workers / unskilled workers should not be deployed for skilled job.

6. THAT the Contractor's Gang leader / Supervisor / Senior most member available at every construction site shall brief to each worker daily before start of work about safety requirement and warn about imminent dangers and precautions to be taken against the imminent dangers (Daily Safety Drill). This is to be ensured without fail by Contractor and maintain record of each gang about daily safety instructions issued to workers and put up to EMPLOYER site In-charge for his review and record.

7. THAT the Contractor shall ensure that working Gangs at site should not be left at the discretion of their Gang Leaders who are generally hired and having little knowledge about safety. Gang leader should be experienced and well versed with the safe working procedures applicable for transmission line/ Sub Station works. In case gang is having Gang leader not on permanent roll of the company then additional Supervisor from company's own roll having thorough knowledge about the works would be deployed so as to percolate safety instructions up to the grass root level in healthy spirits. Contractor has to ensure close supervision while executing critical locations of transmission lines / sub stations and ensures that all safety instructions are in place and are being followed.

8. THAT the Contractor shall maintain in healthy and working condition all kind of Equipments / Machineries / Lifting tools / Lifting tackles / Lifting gears / All kind of Ropes including wire ropes / Polypropylene ropes etc. used for Lifting purpose during

execution of the project and get them periodically examined and load tested for safe working load in accordance with relevant provisions and requirement of Building & other construction workers Regulation of Employment and Conditions of Services Act and Central Rule 1998, Factories Act 1948, Indian Electricity Act 2003 before start of the project. A register of such examinations and tests shall be properly maintained by the contractor and will be promptly produced as and when desired by the Engineer In-charge/Project Manager or by the person authorised by him. The Contractor has to ensure to give special attention on the formation / condition of eye splices of wire rope slings as per requirement of IS 2762 Specification for wire rope slings and sling legs.

9. THAT the Contractor has prepared a list of all Lifting machines, lifting Tools / Lifting Tackles / Lifting Gears etc. / All types of ropes and Slings which are subject to safe working load is **enclosed at Annexure – 2** (SP) for review and approval of Engineer In-charge/Project Manager.

10. THAT the Contractor has to procure sufficient quantity of Personal Protective Equipment (PPE) conforming to Indian / International standards and provide these equipment to every workman at site as per need and to the satisfaction of Engineer-in-charge/Project Manager of EMPLOYER. The Contractor's Site Supervisor/ Project Manager has to ensure that all workmen must use Personal Protective Equipment at site. The Contractor shall also ensure that Industrial Safety helmets are being used by all workmen at site irrespective of their working (at height or on ground). The Contractor shall further ensure use of safety shoes by all ground level workers and canvas shoes for all workers working at height, Rubber Gum Boots for workers working in rainy season and concreting job, Use of Twin Lanyard Full body Safety Harness with attachment of light weight such as aluminum alloy etc. and having features of automatic locking arrangement of snap hook, by all workers working at height for more than three meters and also for horizontal movement on tower shall be ensured by contractor. The Contractor shall not use ordinary half body safety harness at site. The Contractor has to ensure use of Retractable type fall arrestors by workers for ascending / descending on suspension insulator string and other similar works etc., Use of Mobile fall arrestor for ascending / descending from tower by all workers. The contractor has to provide cotton / leather hand gloves as per requirement, Electrical Resistance Hand gloves for operating electrical installations / switches, Face shield for protecting eyes while doing welding works and Dust masks to workers as per requirement. The Contractor will have to take action against the workers not using Personal Protective Equipment at site and those workers shall be asked to rest for that day and also their Salary be deducted for that day. EMPLOYER may issue warning letter to Project Manager of contractor in violation of above norms.

11. THAT the Contractor shall prepare a detailed list of PPEs, activity wise, to commensurate with manpower deployed, which is enclosed at **Annexure – 3 (SP)** for

review and approval of Engineer In-charge/Project Manager. It shall also be ensured that the sample of these equipment shall be got approved from EMPLOYER supervisory staff before being distributed to workers. The contractor shall submit relevant test certificates as per IS / International Standard as applicable to PPEs used during execution of work. All the PPE's to be distributed to the workers shall be checked by EMPLOYER supervisory staff before its usage.

12. The Contractor also agrees for addition / modification to the list of PPE, if any, as advised by Engineer In-Charge/Project Manager.

13. THAT the Contractor shall procure, if required sufficient quantity of Earthing Equipment / Earthing Devices complying with requirements of relevant IEC standards (Generally IECs standards for Earthing Equipments / Earthing Devices are – 855, 1230, 1235 etc.) and to the satisfaction of Engineer In-Charge/ Project Manager and contractor to ensures to maintained them in healthy condition.

14. THAT the Contractor has prepared / worked out minimum number of healthy Earthing Equipments with Earthing lead confirming to relevant IS / European standards per gang wise during stringing activity/as per requirement, which is enclosed herewith at **Annexure – 4** (SP) for review and acceptance of Engineer In-Charge/ Project Manager prior to execution of work.

15. THAT the Contractor shall provide communication facilities i.e. Walky – Talkie / Mobile Phone, Display of Flags / whistles for easy communication among workers during Tower erection / stringing activity, as per requirement.

16. THAT the Contractor undertakes to deploy qualified safety personnel responsible for safety as per requirements of Employer/Statutory Authorities.

17. THAT the Contractor employing more than 250 workmen whether temporary, casual, probationer, regular or permanent or on contract, shall employ at least one full time officer exclusively as qualified safety officer having diploma in safety to supervise safety aspects of the equipment and workmen who will coordinate with Engineer In-charge /Project Manager/Safety Coordinator of the Employer. In case of work being carried out through sub-contractors the sub – contractor's workmen / employees will also be considered as the contractor's employees / workmen for the above purpose. If the number of workers are less than 250 then one qualified safety officer is to be deployed for each contract. He will report directly to his head of organization and not the Project Manager of contractor He shall also not be assigned any other work except assigning the work of safety. The curriculum vitae of such person shall be got cleared from EMPLOYER Project Manager / Construction staff.

18. The name and address of such safety officers of contractor will be promptly informed in writing to Engineer In-charge with a copy to safety officer - In-charge before start of work or immediately after any change of the incumbent is made during the

currency of the contract. The list is enclosed at **Annexure – 5A (SP).**

19. THAT the Contractor has also prepared a list including details of Explosive Operator (if required), Safety officer / Safety supervisor / nominated person for safety for each erection

20. / stringing gang, list of personnel trained in First Aid Techniques as well as copy of organization structure of the Contractor in regard to safety. The list is enclosed at **Annexure – 5B (SP).**

21. The Project Manager shall have the right at his sole discretion to stop the work, if in his opinion the work is being carried out in such a way that it may cause accidents and endanger the safety of the persons and/or property, and/or equipment. In such cases, the Contractor shall be informed in writing about the nature of hazards and possible injury/accident and he shall comply to remove shortcomings promptly. The Contractor after stopping the specific work can, if felt necessary, appeal against the order of stoppage of work to the Project Manager within 3 days of such stoppage of work and decision of the Project Manager in this respect shall be conclusive and binding on the Contractor.

22. THAT, if, any Employer's Engineer/ supervisor at site observes that the Contractor is failing to provide safe working environment at site as per agreed Safety Plan / EMPLOYER Safety Rule/ Safety Instructions / Statutory safety requirement and creates hazardous conditions at site and there is possibility of an accident to workmen or workmen of the other contractor or public or the work is being carried out in an un safe manner or he continues to work even after being instructed to stop the work by Engineer / Supervisor at site / RHQ / Corp. Centre, the Contractor shall be bound to pay a penalty of Rs. 10,000/ - per incident per day till the instructions are complied and as certified by Engineer/ Supervisor of Employer at site. The work will remain suspended and no activity will take place without compliance and obtaining clearance / certification of the Site Engineer / Supervisor of the Employer to start the work.

23. THAT, if the investigation committee of Employer observes any accident or the Engineer In-charge/Project Manager of the Employer based on the report of the Engineer/Supervisor of the Employer at site observes any failure on the Contractor's part to comply with safety requirement / safety rules/ safety standards/ safety instruction as prescribed by the Employer or as prescribed under the applicable law for the safety of the equipment, plant and personnel and the Contractor does not take adequate steps to prevent hazardous conditions which may cause injury to its own Contractor's employees or employee of any other Contractors or Employer or any other person at site or adjacent thereto, or public involvement because of the Contractor's negligence of safety norms, the Contractor shall be liable to pay a compensation of Rs. 10,00,000/- (Rupees Ten Lakh only) per person affected causing death and Rs. 1,00,000/- (Rupees One Lakh only) per person for serious injuries / 25% or more permanent disability to the Employer for further disbursement to the deceased family/ Injured persons. The permanent disability

has the same meaning as indicated in Workmen's Compensation Act 1923. The above stipulations is in addition to all other compensation payable to sufferer as per workmen compensation Act / Rules

24. THAT as per the Employer's instructions, the Contractor agrees that this amount shall be deducted from their running bill(s) immediately after the accident, That the Contractor understands that this amount shall be over and above the compensation amount liable to be paid as per the Workmen's Compensation Act /other statutory requirement/ provisions of the Bidding Documents.

25. THAT the Contractor shall submit Near-Miss-Accident report along with action plan for avoidance such incidence /accidents to Engineer – In-charge/ Project Manager. Contractor shall also submit Monthly Safety Activities report to Engineer – In-charge/ Project Manager and copy of the Monthly Safety Activities report also to be sent to Safety In-charge at RHQ of the Employer for his review record and instructions.

26. THAT the Contractor is submitting a copy of Safety Policy/ Safety Documents of its Company which is enclosed at Annexure – 6 (SP) and ensure that the safety Policy and safety documents are implemented in healthy spirit.

27. THAT the Contractor shall make available of First Aid Box [Contents of which shall be as per Building & other construction workers (Regulation of Employment and Conditions of Services Act and Central Rule 1998 / EMPLOYER Guidelines)] to the satisfaction of Engineer In-Charge/ Project Manager with each gang at site and not at camp and ensures that trained persons in First Aid Techniques with each gang before execution of work.

28. THAT the Contractor shall submit an 'Emergency Preparedness Plan' for different incidences i.e. Fall from height, Electrocution, Sun Stroke, Collapse of pit, Collapse of Tower, Snake bite, Fire in camp / Store, Flood, Storm, Earthquake, Militancy etc. while carrying out different activities under execution i.e. foundation works including civil works, erection, stringing (as applicable), testing & commissioning, disposal of materials at site / store etc. which is enclosed at Annexure – 7 (SP) for approval of the Engineer In-Charge/ Project Manager before start of work.

29. THAT the Contractor shall organize Safety Training Programs on Safety, Health and Environment and for safe execution of different activities of works i.e. foundation works including civil works, erection, stringing (as applicable), testing & commissioning, disposal of materials at site / store etc. . For their own employees including sub-contractor workers on regular basis.

30. The Contractor, therefore, submits copy of the module of training program, enclosed at **Annexure – 9 (SP),** to Engineer In-charge/Project Manager for its acceptance and approval and records maintained.

31. THAT the Contractor shall conduct safety audit, as per Safety Audit Check Lists

enclosed **at Annexure – 8 (SP),** by his Safety Officer(s) every month during construction of Transmission Lines / Sub Stations / any other work and copy of the safety audit report will be forwarded to the Employer's Engineer In-charge / Site In-charge/Project Manager for his comments and feedback. During safety audit, healthiness of all Personal Protective Equipments (PPEs) shall be checked individually by safety officer of contractor and issue a certificate of its healthiness or rejection of faulty PPEs and contractor has to ensure that all faulty PPEs and all faulty lifting tools and tackles should be destroyed in the presence of EMPLOYER construction staff. Contractor has to ensure that each gang be safety audited at least once in two months. During safety audit by the contractor, Safety officer's feedback from EMPLOYER concerned shall be taken and recorded. The Employer's site officials shall also conduct safety audit at their own from time to time when construction activities are under progress. Apart from above, the Employer may also conduct surveillance safety audits. The Employer may take action against the person / persons as deemed fit under various statutory acts/provisions under the Contract for any violation of safety norms / safety standards.

32. THAT the Contractor shall develop and display Safety Posters of construction activity at site and also at camp where workers are generally residing.

33. THAT the Contractor shall ensure to provide potable and safe drinking water for workers at site / at camp.

34. THAT the Contractor shall do health check up of all workers from competent agencies and reports will be submitted to Engineer In-Charge within fifteen (15) days of health check up of workers as per statutory requirement.

35. THAT the Contractor shall submit information along with documentary evidences in regard to compliance to various statutory requirements as applicable which are enclosed at **Annexure – 10A (SP).**

36. The Contractor shall also submit details of Insurance Policies taken by the Contractor for insurance coverage against accident for all employees are enclosed at Annexure – 10B (SP).

37. THAT a check-list in respect of aforesaid enclosures along with the Contractor's remarks, wherever required, is attached as Annexure – Check List herewith.

38. THE CONTRACTOR shall incorporate modifications/changes in this 'Safety Plan' necessitated on the basis of review/comments of the Engineer In-Charge/Project Manager within fourteen

39. (14) Days of receipt of review/comments and on final approval of the Engineer In-Charge/Project Manager of this 'Safety Plan', the Contractor shall execute the works under the Contract as per approved 'Safety Plan'. Further, the Contractor has also noted that the first progressive payment towards Services Contract shall be made on submission of 'Safety Plan' along with all requisite documents and approval of the same

by the Engineer In-Charge/Project Manager.

40. IN WITNESS WHEREOF, the Contractor has hereunto set its hand through its authorized representative under the common seal of the Company, the day, month and year first above mentioned.

For and on behalf of

M/s.....

WITNESS

1.

Signature.....

Signature.....

Name.....
Name.....

2.

Signature.....

Authorized representative

Name..... (Common Seal)

Address.....

(In case of Company)

Note:

All the annexure referred to in this "Safety Plan"are required to be enclosed by the contractor as per the attached "Check List "

Safety Plan is to be executed by the authorized person and (i) in case of contracting Company under common seal of the Company or (ii) having the power of attorney issued under common seal of the company with authority to execute such contract documents etc., (iii) In case of (ii), the original Power of Attorney if it is specifically for this Contract or a Photostat copy of the Power of Attorney if it is General Power of Attorney and such documents should be attached to this Safety Plan.

For all safety monitoring/ documentation, Engineer In-charge / Regional In-charge of safety at RHQ will be the nodal Officers for communication.

Annexure 17

Sample Labor License

M/s EMC Limited

GOVERNMENT OF INDIA
MINISTRY OF LABOUR & EMPLOYMENT
OFFICE OF THE ASSISTANT LABOUR COMMISSIONER (CENTRAL)
KENDRIYA SADAN
CHIRUKANDI ROAD, RAMNAGAR, TARAPUR, SILCHAR-788 003, ASSAM
E-mail alc.sil-as@gov.in
TELEPHONE NO. 03842-268330

File / Online Licence No. CLRA/ALC SILCHER/2019/L-175 Dated – 08.07.2020

To

M/s EMC LIMITED
POWER GRID CORPORATION OF INDIA LIMITED CONTRACTOR
51, CANAL EAST ROAD, BELIAGHATA
KOLKATA-700085
REPRESENTED THROUGH: - SHRI MANOJ TOSHNIWAL, DIRECTOR
E. mail – pnais@emcpower.com / Mobile No. 09163317444.

Subject: Contract Labour (Regulation and Abolition) Act, 1970 and its Central Rules, 1971 - Renewal of Licence No. CLRA/ALCSILCHER/2019/L-175 dated-22.07.2019.

Dear Sir,

Please refer to your Application No. Nil dated-21.07.2020 (received at this office on 21.07.2020) for Renewal of Licence along with Rs. 100/- (Rupees ONE HUNDRED) only deposited through online towards Renewal fee of the above noted Licence.

In this connection, please find enclosed herewith the original Licence duly RENEWED UP TO 21. 07. 2021 under the provision of Section-13 (3) of the Contract Labour (Regulation and Abolition) Act, 1970 read with Rule-29 of its Central Rules, 1971.

Please acknowledge the receipt of the same.

Encl:

Yours faithfully,

(CHIRANJEEV SAIKIA)
Regional Labour Commissioner (Central)
DIBRUGARH
And Additional Charge of Assistant Labour Commissioner (Central)
Government of India
SILCHAR

Chiranjeev Saikia
Regional Labour Commissioner (C)
& Registering / Licencing Officer
Under C.L.(R&A) Act, 1970

Copy forwarded to:

(1) The Labour Enforcement Officer (Central), AGARTALA. A copy of the Form-II is enclosed.
(2) The Deputy General Manager (NERPSIP), Power Grid Corporation of India Limited, Hotel Sun Utpal Dutta (Ground Floor), Ramanagar Road No.6, 3rd Crossing, Agartala-799002, Tripura (West) for information.

Regional Labour Commissioner (Central)
DIBRUGARH
And Additional Charge of Assistant Labour Commissioner (Central)
Government of India
SILCHAR

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Form VI

(Under Rule 25(1) of the Contract Labour (Regulation and Abolition) Central Rules, 1971)

Government of India

Office of the Licensing Officer

LICENCE

Licence No: **CLRA/ALCSILCHER/2019/L-175** Date: **22-Jul-2019**

1. Licence is hereby granted to **M/s EMC LIMITED, 51, CANAL EAST ROAD, BELIAGHATA, Kolkata - 700085,** through **MANOJ TOSHNIWAL / DIRECTOR** under sub-section (1) of section 12 of the Contract Labour (Regulation and Abolition) Act, 1970 (37 of 1970) subject to the conditions specified in the Annexure.
2. Name and Location of work **Tower Package TW01 associated with NER Power System Improvement Project (Intra-State: Tripura) vide Contract Agreement No. CC-CS/86-NER/TW-3612/1/G4/CA-I/7336 DATED- 30.06.2017 & No. CC-CS/86-NER/TW-3612/G4/CA-II/7337 dated. 30.06.2017,** for **BAGAFA , BELONIA , UDAIPUR, SABROOM and SATCHAND, 78, NEW TOWN ROAD, RADHA KRISHNAPUR, UDAIPUR, South Tripura, Tripura - 799120**
3. Name of the principal employer **S.I.SINGH / DY.GENERAL MANAGER, NERPSIP OFFICE, RAMNAGAR-06, 3RD CROSSING, AGARTALA, West Tripura, Tripura - 799002**
4. Registration Certificate no. **A-REG 07/2010-S/A** and date of **22-Jun-2010** of the principal employer.
5. The licence shall remain in force till **21-Jul-2020** (date to be indicated).
6. Maximum number of contract labour to be employed on a single day under the licence: **100**
7. Fee Paid Rs **INR 75** (Transaction Id : **1907190005123**)
8. Security Deposit **INR 9000** (Transaction Id : **1907190005222**)
9. Remarks by Licencing Officer: **Licence is granted**

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Licensing Officer.

10. A copy of the licence shall be displayed prominently at the premises where the contract work is being carried on.
11. The contractor shall comply with all the provisions of the Act and these Rules.
12. The licensee shall, within fifteen days of the commencement and completion of each contract work, submit a return to the Inspector appointed under section 28 of the Contract Labour (Regulation and Abolition) Act, 1970 (37 of 1970) intimating the actual date of the commencement or, as the case may be, completion of such contract work in Form - VII.

eSign/DSC of Licensing Officer
Hari Om Gautam (ALC(C))
ALC SILCHER (ALCSILCHER)
alc.ghy-as@gov.in

Note: This is an online application summary applied on Shram Suvidha Portal.

Validity unknown

Digitally signed by User
Date: 2019.07.22 14:55:23 IST

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Licence No. CLRA/ALCSILCHER/2019/L-175

Dated-22.07.2019

RENEWAL

(Rule-29)

Date of Renewal	Fee paid for Renewal	Date of Expiry	Signature and Seal of Licensing Officer and Date
08-09-2020	Rs. 100/-	21. 07. 2021	R.L.C.(C) DIBRUGARH

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M/s SPML Infra – South Tripura Region

GOVERNMENT OF INDIA
MINISTRY OF LABOUR & EMPLOYMENT
OFFICE OF THE ASSISTANT LABOUR COMMISSIONER (CENTRAL)
KENDRIYA SADAN
CHIRUKANDI ROAD, RAMNAGAR, TARAPUR, SILCHAR-788 003, ASSAM
E-mail alc.sil-as@gov.in
TELEPHONE NO. 03842-268330

No. 46 (26)/2017 – S / A

Dated – 14. 02. 2020

To

M/s SPML INFRA LIMITED
P. G. C. I. L. CONTRACTOR
REPRESENTED THROUGH:
(1) Mr. ANIL KUMAR SETHI, DIRECTOR
S/O SHRI PUNAM CHAND SETHI
(2) Mr. SUSHIL KUMAR SETHI, DIRECTOR
S/O SHRI PUNAM CHAND SETHI
C/O PINKI SAHA, RAMNAGAR-5, NEAR MUKTISANGHA
P.O. RAMNAGAR, AGARTALA – 799002, TRIPURA (WEST)
E-mail ID –tripuragm@spml.co.in / Mobile No. 9485022162.

Subject: Contract Labour (Regulation and Abolition) Act, 1970 and its Central Rules, 1971 - Renewal of Licence No. CLA / 25 / 2017 – S /A dated-10.02.2017.

Dear Sir,

Please refer to your Application No. Nil dated-Nil (received at this office on 06.02.2020) for Renewal of Licence along with Rs. 100/- (Rupees ONE HUNDRED) only deposited through bharatkosh.gov.in towards Renewal fee of the above noted Licence.

In this connection, please find enclosed herewith the original Licence duly RENEWED UP TO 09. 02. 2021 under the provision of Section-13 (3) of the Contract Labour (Regulation and Abolition) Act, 1970 read with Rule-29 of its Central Rules, 1971.

Please acknowledge the receipt of the same.

Enclo: 1 (ONE) LICENCE.

Yours faithfully,

Assistant Labour Commissioner (Central)
Government of India
SILCHAR

Asst. Labour Commissioner (Central)
Silchar & Registering/ Licensing Officer
Under C.L. (R&A) Act. 1970

Asst. Labour Commissioner (C)-cum Registering / Licensing Officer Under C.L.(R&A) Act. 1970 Govt. of India Ministry of Labour & Employment Silchar

Copy forwarded to:

(1) The Labour Enforcement Officer (Central), AGARTALA. A copy of the Form-II is enclosed.

(2) The Manager (RD), Power Grid Corporation of India Limited, Near Housing Board, Chanban, P.O. R.K. Pur, Udaipur-799120, Tripura (South) for information.

Assistant Labour Commissioner (Central)
Government of India
SILCHAR

FORM-VI
(SEE RULE- 25(1)
GOVERNMENT OF INDIA
MINISTRY OF LABOUR & EMPLOYMENT
OFFICE OF THE LICENSING OFFICER
AND ASSISTANT LABOUR COMMISSIONER (CENTRAL)
COLLEGE ROAD, SILCHAR-788004, DIST. CACHAR, ASSAM

LICENCE NO. CLA/25/2017-S/A

DATE: 10.02.2017

LICENCE FEE PAID	Rs.150.00 (RUPEES ONE HUNDRED FIFTY) ONLY	DEMAND DRAFT No. 425542 Dated – 08.02.2017 STATE BANK OF INDIA, AGARTALA BRANCH

LICENCE

1. Licence is hereby granted to **M/s SPML INFRA LIMITED, P. G. C. I. L. CONTRACTOR, REPRESENTED THROUGH: (1) Mr. ANIL KUMAR SETHI, DIRECTOR, S/O SHRI PUNAM CHAND SETHI (2) Mr. SUSHIL KUMAR SETHI, DIRECTOR, S/O SHRI PUNAM CHAND SETHI, C/O PINKI SAHA, RAMNAGAR-5, NEAR MUKTISANGHA, P.O. RAMNAGAR, AGARTALA – 799002, TRIPURA (WEST)** under Section 12(1) of the Contract Labour (Regulation and Abolition) Act, 1970 subject to the conditions specified in the ANNEXURE.

2. The Licence is for doing the work – **"Construction of Sub-Station Package TRP-SS-02 for Tripura, associated with NER Power System Improvement Project vide Contract Agreement Ref. No. CC-CS/86-NER/SS-2651/1/G1/NOA-I/7070 dated-04.11.2016 and CC-CS/86-NER/SS-2651/1/GI/NOA-II/7071 dated-04.11.2016"** in the establishment of **Manager (RD), Power Grid Corporation of India Limited, Near Housing Board, Chanban, P.O. R.K. Pur, Udaipur-799120, Tripura (South).**

3. The Licence shall remain in force **TILL 09. 02. 2018**

Date: 10.02.2017

Signature and Seal of Licensing Officer

Asstt. Labour Commissioner (Central)
Silchar & Registering Licensing Officer
Under C.L. (R&A) Act, 1970

Govt. of India Ministry of Labour & Employment Silchar

RENEWAL
(Rule-29)

Date of Renewal	*Fee paid for Renewal*	*Date of Expiry*	*Signature and Seal of Licensing Officer and Date*
01-02-2018	Rs-100/-	09-02-2019	ALC(C) SILCHAR
11-02-2019	Rs-100/-	09-02-2020	ALC(C) SILCHAR
14-02-2020	Rs-100/-	09-02-2021	ALC(C) SILCHAR

M/s Technofab Engineering Limited – Gomati Region

Form VI

(Under Rule 25(1) of the Contract Labour (Regulation and Abolition) Central Rules, 1971)

Government of India

Office of the Licensing Officer

LICENCE

Licence No: **CLRA/ALCSILCHER/2021/L-57** Date: **18-Mar-2021**

1. Licence is hereby granted to **M/s. TECHNOFAB ENGINEERING LIMITED, 507 EROS APRATMEN, 56 NEHRU PLACE, New Delhi - 110019,** through **ARJUN GUPTA / MANAGING DIRECTOR** under sub-section (1) of section 12 of the Contract Labour (Regulation and Abolition) Act, 1970 (37 of 1970) subject to the conditions specified in the Annexure.
2. Name and Location of work **Service Contract for DMS Package for TRI-DMS / 3 associated with NER Power System Improvement Project Vide Notification of Award No-CC-CS/86-NER/REW-2986/1/G2/NOA-II/7169 DATED-22.02.2017 & Specification No.CC-CS/86-NER/REW-2986/1/G2. Dated-22.02.2017.,** for **POWERGRID CORPORATION OF INDIA LTD, NEAR HOUSING BOARD , CHANBAN, P.O-R.K.PUR, UDAIPUR, Gomati, Tripura - 799120**
3. Name of the principal employer **S. I. SINGH / SR. GENERAL MANAGER, RAMNAGAR-06, 3RD CROSSING, AGARTALA, West Tripura, Tripura - 799002**
4. Registration Certificate no. **A-REG/02/2002-S/A** and date of **04-Feb-2002** of the principal employer.
5. The licence shall remain in force till **17-Mar-2022** (date to be indicated).
6. Maximum number of contract labour to be employed on a single day under the licence: **100**
7. Fee Paid Rs **INR 75** (Transaction Id : **2402210003925**)
8. Security Deposit **INR 9000** (Transaction Id : **2402210003991**)
9. Remarks by Licencing Officer: **License is granted**

ANNEXURE

1. The licence shall be non-transferable.
2. The numbers of workmen employed as contract labour in the establishment shall not, on any day, exceed the maximum number specified in the licence.
3. Except as provided in the rules, the fees paid for the grant or, as the case may be, for renewal of the licence shall be non-refundable.
4. The rates of wages payable to the workmen by the contractor shall not be less than the rates prescribed for the Scheduled Employment under the Minimum Wages Act, 1948 (11 of 1948), where applicable, and where the rates have been fixed by agreement, settlement, award, or by the appropriate Government, not less than the rates so fixed.
5. (a). In case where the workmen employed by the contractor perform the same or similar kind of work as the workmen directly employed by the principal employer of the establishment, the wage rates, holidays, hours of work and other conditions of service of the workmen of the contractor shall be the same as applicable to the workmen directly employed by the principal employer of the establishment on the same or similar kind of work; provided that in the case of any disagreement with regard to the type of work the same shall be decided by the Deputy Chief Labour Commissioner (Central) whose decision shall be final.

   (b). In other cases the wage rates, holidays, hours of work and conditions of service of the workmen of the contractor shall be such as may be specified in this behalf by the Deputy Chief Labour Commissioner (Central).
6. Every contract labour shall be entitled to allowances, benefits, facilities etc, as prescribed in the Contract Labour (Regulation and Abolition) Act, 1970 (37 of 1970) and rules made there under.
7. In every establishment where 20 or more women are ordinarily employed as there shall be provided 2 rooms of reasonable dimension for the use of their children under the age of six years. One of such rooms would be used as a play room for the children and the other as bed room for the children. For this purpose the contractor shall supply adequate number of toys and games in the play room and sufficient number of cots and beddings in the sleeping room. The standard of construction and maintenance of the crèches may be such as may be specified in this behalf by the Deputy Chief Labour Commissioner (Central).
8. No women shall be employed by any contractor before 6 a.m. or after 7 p.m.: Provided that this clause shall not apply to the employment of women in pit head baths, crèches and canteens and as mid-wives and nurses in hospitals and dispensaries.
9. The licensee shall notify any change in the number of workmen or the conditions of work to the

Licensing Officer.

10. A copy of the licence shall be displayed prominently at the premises where the contract work is being carried on.
11. The contractor shall comply with all the provisions of the Act and these Rules.
12. The licensee shall, within fifteen days of the commencement and completion of each contract work, submit a return to the Inspector appointed under section 28 of the Contract Labour (Regulation and Abolition) Act, 1970 (37 of 1970) intimating the actual date of the commencement or, as the case may be, completion of such contract work in Form - VII.

eSign/DSC of Licensing Officer

Sudhir Kumar Chakma (ALC(C))

ALC SILCHER (ALCSILCHER)

alc.ghy-as@gov.in

Note: *This is an online application summary applied on Shram Suvidha Portal.*

Signature Not Verified

Digitally signed by User
Date: 2021.03.18 20:32:45 IST

M/s Technofab Engineering Limited – South Tripura Region

Form VI

(Under Rule 25(1) of the Contract Labour (Regulation and Abolition) Central Rules, 1971)

Government of India

Office of the Licensing Officer

LICENCE

Licence No: **CLRA/ALCS|LCHER/2021/L-58** Date: **18-Mar-2021**

1. Licence is hereby granted to **M/s. TECHNOFAB ENGINEERING LIMITED, 507 EROS APRATMEN, 56 NEHRU PLACE, New Delhi - 110019,** through **ARJUN GUPTA / MANAGING DIRECTOR** under sub-section (1) of section 12 of the Contract Labour (Regulation and Abolition) Act, 1970 (37 of 1970) subject to the conditions specified in the Annexure.
2. Name and Location of work **Service Contract for DMS Package for TRI-DMS /2 associated with NER Power System Improvement Project Vide Notification of Award No-CC-CS/86-NER/REW-2985/1/G2/NOA-II/7146 DATED-20.01.2017 & Specification No.CC-CS/86-NER/REW-2985/1/G2. Dated-20.01.2017.,** for **POWERGRID CORPORATION OF INDIA LTD, NEAR BANDHAN BANK, 3RD FLOOR AMAR BHAWAN, South Tripura, Tripura - 799155**
3. Name of the principal employer **S. I. SINGH / SR. GENERAL MANAGER, POWERGRID CORPORATION OF INDIA LTD, RAMNAGAR-06, 3RD CROSSING , AGARTALA, West Tripura, Tripura - 799002**
4. Registration Certificate no. **A-REG/02/2002-S/A** and date of **04-Feb-2002** of the principal employer.
5. The licence shall remain in force till **17-Mar-2022** (date to be indicated).
6. Maximum number of contract labour to be employed on a single day under the licence: **100**
7. Fee Paid Rs **INR 75** (Transaction Id : **2502210000350**)
8. Security Deposit **INR 9000** (Transaction Id : **2502210000362**)
9. Remarks by Licencing Officer: **License is granted**

ANNEXURE

1. The licence shall be non-transferable,
2. The numbers of workmen employed as contract labour in the establishment shall not, on any day, exceed the maximum number specified in the licence,
3. Except as provided in the rules, the fees paid for the grant or, as the case may be, for renewal of the licence shall be non-refundable.
4. The rates of wages payable to the workmen by the contractor shall not be less than the rates prescribed for the Scheduled Employment under the Minimum Wages Act, 1948 (11 of 1948), where applicable, and where the rates have been fixed by agreement, settlement, award, or by the appropriate Government, not less than the rates so fixed,
5. (a). In case where the workmen employed by the contractor perform the same or similar kind of work as the workmen directly employed by the principal employer of the establishment, the wage rates, holidays, hours of work and other conditions of service of the workmen of the contractor shall be the same as applicable to the workmen directly employed by the principal employer of the establishment on the same or similar kind of work; provided that in the case of any disagreement with regard to the type of work the same shall be decided by the Deputy Chief Labour Commissioner (Central) whose decision shall be final.

   (b). In other cases the wage rates, holidays, hours of work and conditions of service of the workmen of the contractor shall be such as may be specified in this behalf by the Deputy Chief Labour Commissioner (Central),
6. Every contract labour shall be entitled to allowances, benefits, facilities etc, as prescribed in the Contract Labour (Regulation and Abolition) Act, 1970 (37 of 1970) and rules made there under.
7. In every establishment where 20 or more women are ordinarily employed as there shall be provided 2 rooms of reasonable dimension for the use of their children under the age of six years. One of such rooms would be used as a play room for the children and the other as bed room for the children, For this purpose the contractor shall supply adequate number of toys and games in the play room and sufficient number of cots and beddings in the sleeping room, The standard of construction and maintenance of the crèches may be such as may be specified in this behalf by the Deputy Chief Labour Commissioner (Central),
8. No women shall be employed by any contractor before 6 a.m. or after 7 p.m.: Provided that this clause shall not apply to the employment of women in pit head baths, crèches and canteens and as mid-wives and nurses in hospitals and dispensaries.
9. The licensee shall notify any change in the number of workmen or the conditions of work to the

Licensing Officer.

10. A copy of the licence shall be displayed prominently at the premises where the contract work is being carried on.
11. The contractor shall comply with all the provisions of the Act and these Rules.
12. The licensee shall, within fifteen days of the commencement and completion of each contract work, submit a return to the Inspector appointed under section 28 of the Contract Labour (Regulation and Abolition) Act, 1970 (37 of 1970) intimating the actual date of the commencement or, as the case may be, completion of such contract work in Form - VII.

eSign/DSC of Licensing Officer
Sudhir Kumar Chakma (ALC(C))
ALC SILCHER (ALCSILCHER)
alc.ghy-as@gov.in

Note: *This is an online application summary applied on Shram Suvidha Portal.*

Validity unknown
Digitally signed by User
Date: 2021.05.18 20:36:12 IST

Annexure 18

Checklist for Safety Plan

CHECK LIST FOR SEFETY PLAN

S. N.	Details of Enclosure	Status of Submission of information/ documents	Remarks
1.	**Annexure – 1A (SP)** Safe work procedure for each activity i.e. foundation works including civil works, erection, stringing (as applicable), testing & commissioning, disposal of materials at site / store etc. to be executed at site.	Yes/No	
2.	**Annexure – 1B (SP)** Manpower deployment plan, activity wise foundation works including civil works, erection, stringing (as applicable), testing & commissioning, disposal of materials at site / store etc.	Yes/No	
3.	**Annexure – 2 (SP)** List of Lifting Machines i.e. Crane, Hoist, Triffor, Chain Pulley Blocks etc. and Lifting Tools and Tackles i.e. D shackle, Pulleys, come along clamps, wire rope slings etc. and all types of ropes i.e. Wire ropes, Poly propylene Rope etc. used for lifting purposes along with test certificates.	Yes/No	
4.	**Annexure – 3 (SP)** List of Personal Protective Equipment (PPE), activity wise including the following along with test certificate of each as applicable: 1. Industrial Safety Helmet to all workmen at site. (EN 397 / IS 2925) with chin strap and back stay arrangement. 2. Safety shoes without steel toe to all ground level workers and canvas shoes for workers working on tower. 3. Rubber Gum Boot to workers working in rainy season / concreting job. 4. Twin lanyard Full Body Safety harness with shock absorber and leg strap arrangement	Yes/No	

S. N.	Details of Enclosure	Status of Submission of information/ documents	Remarks
	for all workers working at height for more than three meters. Safety Harness should be with attachments of light weight such as of aluminium alloy etc. and having a feature of automatic locking arrangement of snap hook and comply with EN 361 / IS 3521 standards. 5. Mobile fall arrestors for safety of workers during their ascending / descending from tower / on tower. EN 353 -2 (Guided type fall arresters on a flexible anchorage line.) 6. Retractable type fall arrestor (EN360: 2002) for ascending / descending on suspension insulator string etc. 7. Providing of good quality cotton hand gloves / leather hand gloves for workers engaged in handling of tower parts or as per requirement at site. 8. Electrical Resistance hand gloves to workers for handling electrical equipment / Electrical connections. IS : 4770 9. Dust masks to workers handling cement as per requirement. 10. Face shield for welder and Grinders. IS : 1179 / IS : 2553 11. Other PPEs, if any, as per requirement etc.		
5.	**Annexure – 4 (SP)** List of Earthing Equipment / Earthing devices with Earthing lead conforming to IECs for earthing equipments are – (855, 1230, 1235 etc.) gang wise for stringing activity/as per requirement	Yes/No	
6.	**Annexure – 5A (SP)** List of Qualified Safety Officer(s) along with their contact details	Yes/No	
7.	**Annexure – 5B (SP)** Details of Explosive Operator (if required), Safety officer / Safety supervisor for every erection / stinging gang, any other person nominated for safety, list of personnel trained in First Aid as well as brief information about safety set up by the	Yes/No	

S. N.	Details of Enclosure	Status of Submission of information/ documents	Remarks
	Contractor alongwith copy of organisation of the Contractor in regard to safety		
8.	**Annexure – 6 (SP)** Copy of Safety Policy/ Safety Document of the Contractor's company	Yes/No	
9.	**Annexure – 7 (SP)** 'Emergency Preparedness Plan' for different incidences i.e. Fall from height, Electrocution, Sun Stroke, Collapse of pit, Collapse of Tower, Snake bite, Fire in camp / Store, Flood, Storm, Earthquake, Militancy etc. while carrying out different activities under execution i.e. foundation works including civil works, erection, stringing (as applicable), testing & commissioning, disposal of materials at site / store etc.	Yes/No	
10.	**Annexure – 8 (SP)** Safety Audit Check Lists (Formats to be enclosed)	Yes/No	
11.	**Annexure – 9 (SP)** Copy of the module of Safety Training Programs on Safety, Health and Environment, safe execution of different activities of works for Contractor's own employees on regular basis and sub contractor employees.	Yes/No	
12.	**Annexure – 10A (SP)** Information along with documentary evidences in regard to the Contractor's compliance to various statutory requirements including the following:		
(i)	Electricity Act 2003 _____ *[Name of Documentary evidence in support of compliance]*	Yes/No	
(ii)	Factories Act 1948	Yes/No	

S. N.	Details of Enclosure	Status of Submission of information/ documents	Remarks
	_____ [*Name of Documentary evidence in support of compliance*]		
(iii)	Building & other construction workers (Regulation of Employment and Conditions of Services Act and Central Act 1996) and Welfare Cess Act 1996 with Rules. _____ [*Name of Documentary evidence in support of compliance*]	Yes/No	
(iv)	Workmen Compensation Act 1923 and Rules. _____ [*Name of Documentary evidence in support of compliance*]	Yes/No	
(v)	Public Insurance Liabilities Act 1991 and Rules. _____ [*Name of Documentary evidence in support of compliance*]	Yes/No	
(vi)	Indian Explosive Act 1948 and Rules. _____ [*Name of Documentary evidence in support of compliance*]	Yes/No	
(vii)	Indian Petroleum Act 1934 and Rules. _____ [*Name of Documentary evidence in support of compliance*]	Yes/No	
(viii)	License under the contract Labour (Regulation & Abolition) Act 1970 and Rules. _____ [*Name of Documentary evidence in support of compliance*]	Yes/No	
(ix)	Indian Electricity Rule 1956 and amendments if	Yes/No	

S. N.	Details of Enclosure	Status of Submission of information/ documents	Remarks
	any, from time to time. _____ [*Name of Documentary evidence in support of compliance*]		
(x)	The Environment (Protection) Act 1986 and Rules. _____ [*Name of Documentary evidence in support of compliance*]	Yes/No	
(xi)	Child Labour (Prohibition & Regulation) Act 1986. _____ [*Name of Documentary evidence in support of compliance*]	Yes/No	
(xii)	National Building Code of India 2005 (NBC 2005). _____ [*Name of Documentary evidence in support of compliance*]	Yes/No	
(xiii)	Indian standards for construction of Low/ Medium/ High/ Extra High Voltage Transmission Line _____ [*Name of Documentary evidence in support of compliance*]	Yes/No	
(iv)	Any other statutory requirement(s) [*please specify*] _____ [*Name of Documentary evidence in support of compliance*]	Yes/No	
13.	**Annexure – 10B (SP)** Details of Insurance Policies alongwith documentary evidences taken by the Contractor for the insurance coverage against accident for all employees as below:		

S. N.	Details of Enclosure	Status of Submission of information/ documents	Remarks
(i)	Under Workmen Compensation Act 1923 and Rules. _____ *[Name of Documentary evidence in support of insurance taken]*	Yes/No	
(ii)	Public Insurance Liabilities Act 1991 _____ *[Name of Documentary evidence in support of insurance taken]*	Yes/No	
(iii)	Any Other Insurance Policies _____ *[Name of Documentary evidence in support of insurance taken]*	Yes/No	

EMPLOYER

SAMPLE COPY OF FILLED CHECKLIST

Safety Check List TL Const – 03, Revision-1(May. 2014)

POWER GRID CORPORATION OF INDIA LTD.,
(CORPORATE OPERATION SERVICES)

SITE SAFETY INSPECTION / AUDIT CHECK LIST

TOWER ERECTION

DATE OF INSPECTION: 27.02.2021 **NAME OF THE LINE :** Udeipur to Amarpur T/L

LOCATION NO: 38/0 **CLASSIFICATION OF SOIL & TYPE OF TOWER:** DC+0

NAME OF THE AGENCY: Teems India Tower Lines Pvt. Ltd.

SITE ENGINEER / SUPERVISOR OF THE AGENCY: Mr. Ajmir Husain

SAFETY OFFICER OF THE AGENCY: Suman Jana.

S.NO:	CHECK LIST	YES / NO	REMARKS, IF ANY
1	Check List to be verified by the Agency's Site supervisor / Gang leader is available at Site and updated.	Yes	
2	Safe Work Procedures / Instructions in the language understood by the workers available with Site supervisor / Gang leader and workers are aware of the safe work procedures.	Yes	
3	Pep talk on safety issues (importance of safety, inspection of T&P and PPEs, proper use of PPEs, safe tower erection practices, safe shut down practices / safe material handling / house keeping , etc.) to the workers being done by the Safety Stewards / Supervisor / Engineer / Safety Officer of the Agency.	Yes	
4	Adequate warning / protection to public / children moving nearby ensured (RED FLAGS / CAUTION TAPE / ROPE / BOARDS).	Yes	
5	Appropriate safety messages / warnings are displayed at site to caution the workers.	Yes	
6	Back filling of soil completed before taking up tower erection.	Yes	
7	All the workers are provided with good quality SAFETY HELMETS confirming to BIS Standard IS:2925.	Yes	Brand: Kuram
8	The workers engaged in Tower Erection work at height are provided with good quality FULL BODY DOUBLE LANYARD SAFETY BELTS confirming to BIS Standard IS: 3521 / EN 361.	Yes	Brand: Kuram Udyogi
9	Other PPEs provided to the workers: SAFETY SHOES / COTTON HAND GLOVES for material handling / ELECTRICAL SAFETY GLOVES for S/D works	Yes	
10	The workers engaged in Tower Erection work at height are provided with FALL PROTECTION SYSTEMS like Rope Grab Mobile Fall Arrestor for ascending / descending the Tower / Retractable Fall Arrestor (for vertical movement) / Horizontal Life Line Rope for moving from one member to another member (Horizontal movement within the Tower).	Yes	
11	The fitters working on the tower have been trained on safety for work at height before deployment for tower erection works and Training Records maintained.	Yes	
12	The workers engaged in Tower Erection work at height are anchoring the LIFE LINE Rope / Lanyard of the Safety Belts to rigid support.	Yes	

Contd..2..

- 2 -

13	(a) First aid box with listed items as per BOCW Act, 1996 available. (b) Number of First Aid Trained persons and their names. (c) First Aid Register is available at site. (d) Nearby medical facilities for use during exigencies identified (Location / Phone No.).	Yes	
14	Shutdown of state EB Power Lines, wherever required, are taken, and no short cut methods used and chances taken.	N/A.	Not Required
15	All tie members / diagonal members and all bolts are fixed as the tower is erected progressively upwards to avoid uneven transmission of loads.	Yes	
16	All the nuts and bolts of STUB have been properly tightened.	Yes	
17	All step bolts have been properly tightened.	Yes	
18	Adequate guying arrangement provided at different levels to ensure proper stability of the tower being erected progressively.	Yes	
19	Atleast one vehicle (four wheeler) is available for use in case of emergencies.	Yes	
20	(a) Condition of derricks, pulleys and other load bearing T & Ps are found to be sound and free from any defect. (b) Whether all lifting T&P have been tested for safe working load and valid test certificates available and checked?	Yes	
21	The polypropylene / wire ropes are of adequate strength & free from any damage. The damaged / discarded ropes and steel wires are removed and not kept along with the other usable T&P, to prevent their use.	Yes	
22	The pulleys are of adequate strength / proper size (diameter). In open type pulleys, the locking arrangement and the safety pin are found to be healthy and fool proof.	Yes	
23	The derricks are provided with adequate guys and are properly tied to the tower main leg to prevent from slipping.	Yes	3 guys.
24	In case erection of tower is done with central derrick / Gin pole, adequate precautions are taken for guying / anchoring arrangement	Yes	
25	Adequate no. of fitters / ground helpers are deployed for the Tower Erection work.	Yes	
26	Whether the persons working in the ground are sufficiently away from the tower when erection is in progress?	Yes	
27	Whether adequate precautions are taken when working near Road / Rail / River / adjoining Power Line?		

SIGNATURE / NAME / DESIGNATION OF POWERGRID REPRESENTATIVE

SIGNATURE / NAME / DESIGNATION OF AGENCY'S REPRESENTATIVE

HSE

Copy To:

(1) Regional In-charge / POWERGRID / _____

(2) Projects In-charge (Region) / POWERGRID / _____

(3) Site Incharge / POWERGRID / _____

(4) Project Incharge / AGENCY / _____

Safety Check List TL Const – 04, Revision-1(May, 2014)

POWER GRID CORPORATION OF INDIA LTD.,
(CORPORATE OPERATION SERVICES)

SITE SAFETY INSPECTION / AUDIT CHECK LIST

STRINGING

DATE OF INSPECTION: 13.04.21 **NAME OF THE LINE:** Udeipur to Amerpur

REACH / LOCATION NO: AP-18/0-18AP-18/01

NAME OF THE AGENCY: Teems India Tower Lines Pvt. Ltd.

SITE ENGINEER / SUPERVISOR OF THE AGENCY: M.K. Swamy

SAFETY OFFICER OF THE AGENCY: Suman Jana.

S.NO:	CHECK LIST	YES / NO	REMARKS, IF ANY
1	Check List to be verified by the Agency's Site supervisor / Gang leader is available at Site and updated.	Yes	
2	Safe Work Procedures / Instructions in the language understood by the workers available with Site supervisor / Gang leader and workers are aware of the safe work procedures.	Yes	
3	Pep talk on safety issues (importance of safety, inspection of T&P and PPEs, proper use of PPEs, safe stringing practices, safe shut down practices, safe material handling / house keeping , safety to public / children, etc.) to the workers being done by the Safety Stewards / Supervisor / Engineer / Safety Officer of the Agency.	Yes	
4	Adequate warning / protection to public / children moving nearby ensured (RED FLAGS / CAUTION TAPE / ROPE / BOARDS).	Yes	
5	Flag men are posted at all the Intermediate Spans / Towers with proper SIGNALING FLAGS AND COMMUNICATION GADGETS and they are keeping watch over the movement of general public / children and warning them when they come close.	Yes	
6	Number of walkie Talkie available at Site & their healthiness.	NO	Not Available
7	All the workers are provided with good quality SAFETY HELMETS confirming to BIS Standard, IS:2925.	Yes	Brand: Karam
8	The workers engaged in Tower Erection work at height are provided with good quality FULL BODY DOUBLE LANYARD SAFETY BELTS confirming to BIS Standard IS:3521 / EN 361.	Yes	Brand: Karam Udyogi
9	Other PPEs provided to the workers: SAFETY SHOES / COTTON HAND GLOVES for material handling / ELECTRICAL SAFETY GLOVES for S/D works	Yes	As per site Requirement
10	The workers engaged in work at height are provided with FALL PROTECTION SYSTEMS like Rope Grab Mobile Fall Arrestor for ascending / descending the Tower / Retractable Fall Arrestor (for vertical movement from cross arm to conductor / roller) / Horizontal Life Line Rope for moving from one member to another member (Horizontal movement within tower).	Yes	
11	The fitters working on the tower have been trained on safety for work at height before deployment for tower erection works and Training Records maintained.	Yes	
12	Life Line Rope / Lanyard of the Safety Belts are properly anchored / looped while the person is working at height / moving along the insulator string / conductor.	Yes	
13	Whether the Towers have been permanently earthed?	Yes	

Contd..2..

- 2 -

14	(a) First aid box with listed items as per BOCW Act, 1996 available. (b) Number of First Aid Trained persons and their names. (c) First Aid Register is available at site. (d) Nearby medical facilities for use during exigencies identified (Location / Phone No.).	Yes	
15	Before commencing stringing activity, all Tower Members and Bolt & Nuts are fixed and the Bolts properly tightened. WRITTEN CLEARANCE to take up stringing obtained.	Yes	
16	Before commencing stringing activity, it is ensured that all missing Tower Members and Bolt & Nuts are replaced. RECORDS OF CONFIRMATION OF LIQUIDATION OF DEFECTS MAINTAINED.	Yes	
17	Proper fixing of split pins and their verification before hoisting the Insulator String is being ensured.	Yes	
18	Adequate number of BACK STAYS, depending on type of conductors (TWIN / QUAD / HEXA), are provided for all the cross arms of the end Tower, and are properly fixed to the deadman before taking up Tensioning.	Yes	
19	Shutdown of state EB power lines, wherever required, are taken with PTW, and no short cut methods used and chances taken.	N/A	Not Required
20	(a) Adequate capacity local earths suitable for appropriate voltage power lines are used to prevent any electric shock while working on or near charged EB Lines / Power Line crossings. These earths are properly fixed to ensure proper contact with the conductors. Healthiness of discharge rods / cables found OK. (b) Whether a person is stationed near EB Power Line isolating points, especially in LT Lines, to prevent inadvertent charging before return of PTW. (c) Name of the Engineer / Supervisor available / responsible at Site for ensuring proper fixing of local earths and their removal during power line shut downs & normalising.	N/A	
21	Atleast one vehicle (four wheeler) is available for use in case of emergencies.	Yes	
22	The polypropylene / wire ropes are of adequate strength & free from any damage. The damaged / discarded ropes and steel wires are removed and not kept along with the other usable T&P, to prevent their use.	Yes	
23	(a) Condition of Load bearing links such as D-shackles, Come-along clamps, steel ropes, pulleys, etc., are found to be sound and free from any defect. (b) Whether all lifting T&P have been tested for safe working load and valid test certificates available and checked?	Yes	
24	The Stringing M/C / Tensioner / Puller are properly anchored and also properly earthed to prevent any electric shock due to induction / lightning to the operators.	Yes	
25	Whether Braking arrangement of TSE Machines / conductor drum stand / E/W Turn table is proper?	Yes	
27	Proper scaffolding arrangements are made during stringing of conductor at Road crossings and Railway crossings.	N/A	Not Required
28	Whether FINAL SAG operation is being done by WINCH M/C.		

SIGNATURE / NAME / DESIGNATION OF POWERGRID REPRESENTATIVE

SIGNATURE / NAME / DESIGNATION OF AGENCY'S REPRESENTATIVE

Copy To:

(1) Regional In-charge / POWERGRID / _____

(2) Projects In-charge (Region) / POWERGRID / _____

(3) Site Incharge / POWERGRID / _____

(4) Project In-charge / AGENCY / _____

Annexure 19

Sample Site Inspection Report

132kV Bagafa S/S

SITE INSPECTION REPORT

SUBSTATION	PACKAGE	EXECUTING AGENCY	DATE OF INSPECTION
132/33kV Bagafa Substation	TRP-SS-01	M/s. SPML Infra Limited	18th March, 2020

S.L NO.	OBSERVATIONS
1.	No recent Medical Health Check-up conducted. However, Medical Health Check-up Record of 02 No. site workers conducted earlier on 28/01/2020 available at site. *(Sample Medical Health Check-up Record of site worker enclosed)*
2.	Induction Training & Daily Tool Box Meeting record of workers maintained. *(Sample Record of Induction Training & Daily Tool Box Meeting enclosed)*
3.	01 No. Sand Filter for workers & staffs/ third party drinking water portability test report of water from Sand Filter available at site. *(Photograph of Sand Filter & Water Test Report enclosed)*
4.	Separate Toilet facility each for Gents & Ladies available at site. However, the contractor has been instructed to sanitize & clear the bushes around the toilet facility immediately. *(Photograph of Toilet Facility at site enclosed)*
5.	First Aid Box with necessary medicines available at site. *(Photograph of First Aid Box at site enclosed)*
6.	First-Aid/ Incidence & Accident Register available at site. *(Photograph of First Aid/ Incidence & Accident Register at site enclosed)*
7.	Safety Banners, Labor Wage Banner & Emergency Contact Numbers displayed at site. *(Photographs of Safety Banners, Labor Wage Banner & Emergency Contact Numbers displayed at site enclosed)*
8.	Record of workers deployed, along with their self attested copies of ID proofs available at site. *(Photograph of Register & Sample Self-attested ID proof of Worker enclosed)*
9.	01 No. Fire Extinguisher & 02 No. Fire Buckets installed at site. *(Photograph of Fire Extinguisher at site enclosed)*
10.	Grievance Register & Complain Box available at site. However, GRC Banner not displayed at site. Contractor has been instructed to prepare & display the GRC Banner as soon as possible. *(Photograph of Grievance Register enclosed)*
11.	01 No. Dustbin available at site. *(Photograph of Dustbin at site enclosed)*

12.	01 No. Ladder of sufficient height available at site. *(Photograph of Ladders at site enclosed)*
13.	Statutory Documents a. Labor License expired on 09/02/2020. However, M/s. SPML has already applied & renewal waited from Labor Department. b. Registration against BOCW found valid. c. Marine In-land & Erection All Risk policy found valid as on date. However, installments which were due on 17/02/2020 had been paid by M/s. SPML on 26/02/2020. Therefore, the Gap of 08 days between the due date of installment & the date of payment has been observed.

ANNEXURE

Medical Health Check-up Record

Page 1 of 3

Page 2 of 3

Page 3 of 3

Induction Training/ Daily Tool Box Meeting Record

Drinking Water Facility
Toilet Facility
First Aid Box
First-Aid/ Incidence & Accident Register
Safety Banners
SPML
ZERO
ACCIDENTS
देखकर रखो कदम
जिंदगी नही मिलती हरदम
सावधान

Emergency Contact Numbers	Labor Wage Banner	
Workmen Details Register/ Sample Self attested ID Proof of Worker		Fire Extinguisher
Grievance Register/ Complain Box		

Dustbin	Ladder	HOD Visit Register

Statutory Documents

Safety Plan	Labor License	BOCW
Marine Policy	Erection All Risk Policy	WC Policy

Site Inspection Report – 132kV Satchand S/S

SITE INSPECTION REPORT

SUBSTATION	PACKAGE	EXECUTING AGENCY	DATE OF INSPECTION
132/33kV Satchand Substation	TRP-SS-01	M/s. SPML Infra Limited	18th February, 2020

S.I. NO.	OBSERVATIONS
1.	Medical Health Check-up of 05 (five) No. site workers conducted on 01/02/2020. Records available at site. *(Sample Medical Health Check-up Record of site worker enclosed)*
2.	Induction Training & Daily Tool Box Meeting record of workers maintained. *(Sample Record of Daily Tool Box Meeting enclosed)*
3.	01 No. Sand Filter for workers & staffs/ third party drinking water portability test report of water from Sand Filter available at site. *(Photograph of Sand Filter & Water Test Report enclosed)*
4.	Toilet facility unavailable at site. Contractor has been instructed to construct Toilet separately for Gents & Ladies on priority basis.
5.	First Aid Box with necessary medicines available at site. *(Photograph of First Aid Box at site enclosed)*
6.	First-Aid/ Incidence & Accident Register available at site. *(Photograph of First Aid, Incidence & Accident Register at site enclosed)*
7.	Safety Banners, Labor Wage Banner & Emergency Contact Numbers displayed at site. *(Photographs of Safety Banners, Labor Wage Banner & Emergency Contact Numbers displayed at site enclosed)*
8.	Record of workers deployed, along with their self attested copies of ID proofs available at site. *(Photograph of Register & Sample Self-attested ID proof of Worker enclosed)*
9.	01 No. Fire Extinguisher available at site. *(Photograph of Fire Extinguisher at site enclosed)*
10.	Sufficient PPEs for workers available at site. *(Photograph of PPE Issue Register & Stock of PPEs in Site Store enclosed)*
11.	Grievance Register available at site. However, GRC Banner not displayed at site. Contractor has been instructed to prepare & display the GRC Banner as soon as possible. *(Photograph of Grievance Register enclosed)*
12.	01 No. Dustbin available at site. *(Photograph of Dustbin at site enclosed)*

13.	02 No. Ladders of sufficient height available at site. *(Photograph of Ladders at site enclosed)*
14.	Statutory Documents a. Labor License expired on 09/02/2020. However, M/s. SPML has already applied & renewal waited from Labor Department. b. Registration against BOCW found valid. c. Marine In-land & Erection All Risk policy found valid as on date. However, installments which were due on 17/02/2020 have still not been paid by M/s. SPML. M/s. SPML has been instructed to immediately pay the installment premium & submit the copy of receipt to NERPSIP, POWERGRID, Agartala Office.

ANNEXURE

Medical Health Check-up Record		
Daily Tool Box Meeting Record	Drinking Water Facility	
First Aid Box		

First-Aid/ Incidence & Accident Register

Safety Banners

Emergency Contact Numbers	Labor Wage Banner	
Workmen Details Register/ Sample Self attested ID Proof of Worker		Fire Extinguisher
PPE Issue Register/ Stock of PPEs in Site Store		Grievance Register

Dustbin	Ladder	Stacking of Material

Statutory Documents

Safety Plan	Labor License	BOCW
Marine Policy	Erection All Risk Policy	

Annexure 20

HSE Audit

पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)

Dongtieh, Lower Nongrah, Lapalng, (Shillong)-793006
Phone: (0364) 2536178, Fax: (0364) 2536397, Email: nerts_os@sphoo.in

उत्तर-पूर्वी क्षेत्रीय मुख्यालय: प्रचालन सेवा; NERTS RHQ: Operation Services

Date. 06.01.2021

REF: NESH/Safety/Audit/113/2020/

To,
The General Manager (Projects)
M/s SPML Infra Limited,
Ramnagar- 05 (Near Mukti Sangha Club)
Agartala , Tripura West,
Tripura - 799002

Sub: Safety Check / Audit.

Dear Sir,
Under signed has visited construction work of 132/33kV Gokul Nagar &132/33kV Udaypur Sub-station Construction Site (Package-II) as on 02nd January'2021. The Safety check / Audit has been carried out along with your safety officer / site engineers. During the Safety Check / Audit, some lapses pertaining to safety related aspects have been observed.

The observations are mentioned as under:

1. During audit it has been observed that the Safety Officer against the package-II is not available since 01st Jan.'2019. As per terms & conditions of contract, Safety Officer shall be deputed against each contract. Site shall take the actions as per the terms & conditions of the contract.
2. It has been observed that Excavated pit at construction site kept open & without barricading, which shall be properly barricaded.
3. Caution tape / Safety posters / Entry restriction board not displayed at construction site, which shall be displayed for visual safety awareness.
4. During audit it has been observed that the stock of PPEs is very less. Adequate PPEs shall be procured.
5. 'Emergency Contact Numbers' not displayed at construction site, which shall be displayed.
6. Height pass for working at height has not been issued to new fitters, which shall be issued after medical health checkup/fitness and induction training. The record of the same shall be maintained at site.

You are requested to look in to the matter seriously and comply the observations immediately. Failing of which, action shall be taken as per terms and condition of contract. The compliance report shall be submitted to the Regional Safety, Shillong through concern site in-charge /site engineer of POWERGRID. Further, it is requested to ensure the implementation of proper safety measures at working site to avoid any untoward incidence.

Thanking you,

(Palakesh Roy)
Regional Safety officer, Shillong.

Copy to:

1. CGM (NERPSIP), Guwahati– For kind information
2. Sr. GM (NERPSIP), Agartala– For kind information
3. GM (FQA & Safety), Guwahati– For kind information
4. Sr. DGM(NERPSIP), Udaypur– For kind information

पंजीकृत कार्यालय: सी- 10, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली- 110016, दूरभाष- 6560121, फैक्स- 011-6560039, तार: 'नटग्रिड'
Registered Office: B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi- 110016, EPBAX: 6560121, Fax: 011-6560039 Gram: 'NATGRID'

पावरग्रिड
POWERGRID

पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
(भारत सरकार का उपक्रम)
POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)

Ref. No. NEAGT/NERPSIP-500/2020-21/48A

Date: 06.01.2021

To,

SPML Infra Limited,
22, Camac Street, Block-A
3rd Floor, Kolkata-700016

Kind Attention: Sh. M.K. Chakraborty, Executive V.P.
Sh. D.B. Dandapat, DGM (Projects)

Sub: Deployment of Permanent Safety Officer for Substation Package TRP-SS-02 – Reg.

NOA No. CC-CS/86-NER/SS-2651/1/G1/NOA-I/7070 dated 04.11.2016
CC-CS/86-NER/SS-2651/1/G1/NOA-II/7071 dated 04.11.2016

Sir,

It is to bring to your kind notice that there is no permanent Safety Officer for package TRP-SS-02 since 01.01.2019. M/s. SPML in the Safety meeting held at POWERGRID Agartala office on 30.04.2019 agreed to deploy Safety Officer for package TRP-SS-02 & intimate POWERGRID latest by 31.05.2019. However, even after several reminders, M/s. SPML has not taken necessary action to depute permanent Safety Officer for package TRP-SS-02. Construction work of 132/33kV substations of package TRP-SS-02 is already going on. Such negligence of M/s. SPML and non-availability of Safety Officer may lead to major safety lapses at sites and this cannot be permitted by POWERGRID. The matter was also pointed out by our Regional Safety Officer vide letter ref. no. NESH/Safety/Audit/113/2020/ dated 06.01.2021.

In view of above you are once again requested to deploy independent Safety Officer for package TRP-SS-02 immediately failing which contractual action/ recovery as deemed fit will be taken against M/s. SPML Infra Limited as per the contract agreement.

Thanking you,

Yours faithfully,

06/01/2021

(S.I. Singh)
Sr. General Manager (NERPSIP)
POWERGRID, Agartala

Copy to:

1. CGM (NERPSIP), POWERGRID, Guwahati for kind information please
2. Sr. GM (PESM), POWERGRID, Guwahati for kind information please
3. GM (Projects), SPML, Agartala for kind information & necessary action
4. Sr. DGM (NERPSIP), POWERGRID, Udaipur for kind information
5. Chief Manager (NERPSIP), POWERGRID, Agartala for kind information
6. Sr. Manager, SPML, Udaipur for kind information & necessary action

पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)

Dongtieh, Lower Nongrah, Lapalang, (Shillong)-793006
Phone: (0364) 2536178, Fax: (0364) 2536397, Email: nerts_ea@yahoo.in

उत्तर-पूर्वी क्षेत्रीय मुख्यालय: प्रचालन सेवा; NERTS RHQ: Operation Services

REF: NESH/Safety/Audit/113/2020/ Date. 06.01.2021

To,

The Project Manager
M/s Teams India Towerlines Pvt. Ltd.,
Ground Floor, 9, Purba Para Ward no.-9,
Samir Bazaar, South Tripura,
Tripura- 799144

Sub: Safety Check / Audit.

Dear Sir,

Under signed has visited construction work of Udaypur-Amarpur TL Construction Site (Loc. 180 (DD+6)) of as on 02nd January'2021. The Safety check / Audit has been carried out along with your safety officer / site engineers. During the Safety Check / Audit, some lapses pertaining to safety related aspects have been observed. The observations are as follows;

The observations are mentioned as under:

1. During audit it has been observed that the excavated soil kept just near to pits, which shall be kept at appropriate distance (at least half of the depth of the pit) from the edge of the pit.
2. Concrete mixer machine not place at appropriate distance from the pit. It shall be placed at minimu distance equal to 'Half of Depth of the Pit' and if site consraints do not permit then proper back stay to mixer machine shall be provided.

The following pts shall be taken care prior to start Tower Erectious/Stringing works -

1. Third Party Load Testing of all the 'Tools & Plants (T&Ps)' shall be carried out prior to be utilized at construction site.
2. Prior to engage the fitters to work at height it shall be ensured that height pass has been issued by the agency after medical health checkup/fitness and induction training. The record of same shall be maintained at site.
3. Safety Steward shall be deputed for strict safety supervision at construction site.
4. Availability of fall arresters like Free fall arrester, Retractable type fall arrester, Horizontal life line, Full body safety harness with double lanyard etc. shall be ensured.
5. Section wise tower erection procedure shall be ensured.
6. Availability of sufficient nos. of Discharge rods & Earthing leads shall be ensured.
7. Rope grab fall arrester lock shall be provided to each individual fitters for safe ascending / descending the towers.
8. First aid box shall be made available in each working location & labour camp area.
9. Snake repellent / Carbolic acid shall be made available & ensured that same is sprayed regularly in & around the labour camp area.

You are requested to look in to the matter seriously and comply the observations immediately. Failing of which, action shall be taken as per terms and condition of contract. The compliance report shall be submitted to the Regional Safety, Shillong through concern site in-charge /site engineer of POWERGRID. Further, it is requested to ensure the implementation of proper safety measures at working site to avoid any untoward incidence.

Thanking you,

(Pulakesh Roy)
Regional Safety officer, Shillong.

Copy to:

1. CGM (NERPSIP), Guwahati– For kind information
2. Sr. GM (NERPSIP), Agartala– For kind information
3. GM (FQA & Safety), Guwahati– For kind information
4. Sr. DGM(NERPSIP), Agartala– For kind information

पावर ग्रिड कारपोरेशन ऑफ़ इंडिया लिमिटेड
उ. पू. क्षे. पा. प्र., अगरतला

पावरग्रिड POWERGRID

अंतर कार्यालय ज्ञापन

प्रेषक : Sr. GM (NERPSIP), Agartala सेवा में : Sh. Pulakesh Roy, Chief Manager (Safety), RHQ Shillong

संदर्भ : NEAGT/NERPSIP-350/ 2020-21/ 62

दिनांक : 25/01/2021

विषय : Forwarding the Safety Audit Compliance Report of M/s. TEEMS.

With reference to your observations vide letter ref. no. NESH/Safety/Audit/113/2020/ dated 06/01/2021 please find enclosed herewith the Safety Audit Compliance Report submitted by M/s. TEEMS. The Safety Audit Compliance Report has been checked and found in order. M/s. TEEMS has been advised to comply strictly the Safety norms in future construction activities.

This is for your kind information and necessary action at your end.

(S.I. Singh)

Teems India Towerlines Pvt Ltd (TITPL)
Compliance Report of Power Grid Safety Audit

Letter Ref. No. : NESH / Safety / Audit / 113 / 2020

Name of The site/Project : Udaypur - Amarpur TL, Tripura
Date of site visit : 02 / 01 / 2021
Location : Location: 18 / 0, DD + 6, (Foundation) - Tripura
Audit Team : Mr. Pulakesh Roy, Regional- EHS (PGCIL), Shillong.
: Mr Rahul Mishra (Safety Officer, EHS - PGCIL, Mr D P Singh (Manager - PGCIL)
Name of Site Safety Officer : Mr. Suman Jana - Teems India (TITPL)

➢ **Findings/observations:**

Sr No	Observations by PGCIL - EHS - Shillong	Photographic evidence	Compliance by Teems India - EHS
01	During audit it has been observed that the excavated soil kept just near to pits, which shall be kept at appropriate distance (at least half of the depth of the pit) from the edge of the pit		Excavated soil of the four sides dumped 1.5 m away from the edges of pit. We are doing Excavation work by using JCB machine which is placed in a safe distance and maintaining 1.5 MTRs distance from the pit.

UJJAL ROY CHOWDHURY
ASST. ENGINEER
TEEMS INDIA

22.01.21

02	Concrete mixer machine not place at appropriate distance from the pit. It shall be placed at minimum distance equal to "Half of Depth of the Pit" and if site constraints do not permit then proper back stay to mixture machine to be provided.	Concrete Mixer Machine Safe distance Maintain from the Pit	Concrete Mixture machine is placed at safe distance from the Pit.

NOTE:- The Same Observation Will be maintain in each & every location.

M. R. KASHYAP
Sr. Manager-Projects
TEEMS. INDIA.

UJJAL ROY CHOWDHURY
ASST. ENGINEER
TEEMS INDIA

पावरग्रिड POWERGRID

पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
(भारत सरकार का उपक्रम)
POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)

Ref. No. NEAGT/NERPSIP-700/2020-21/ 72

Date: 04/02/2021

To,

1. Technofab Engineering Limited
   Plot No. 5, Sector 27C, Mathura Road
   Faridabad-121003 (NCR), Haryana, India

   Kind Attn: Sh. Suresh Kumar; COO

2. Supreme & Co. (P) Ltd.
   53, Justice Chandra Madhav Road
   Kolkata-700020, West Bengal, India

   Kind Attn: Sh. Harish Agarwal; MD
   Sh. Kapil Singhal; VP

Sub: Safety Officers for DMS Packages TRI-DMS-01, TRI-DMS-02, TRI-DMS-03, TRI-DMS-04 & TRI-DMS-05.

Sir,

The construction activity of DMS substations & lines has already been started since November, 2020. However, the package Safety Officers has not reported till date.

In view of above you are hereby requested to forward us the names of package wise Safety Officers along with the copy of their relevant qualification certificates & instruct them to report at POWERGRID, Agartala office for further instructions regarding the implementation of Safety norms in the construction sites.

Thanking you,

Yours faithfully,

(S.J. Singh)
Sr. General Manager (NERPSIP)
POWERGRID, Agartala

Copy to:-

1. Sr. General Manager (PESM), POWERGRID, Guwahati for kind information
2. General Manager, Supreme, Agartala for kind information
3. Manager (Projects), Technofab, Agartala for kind information

NERPSIP Office, Ramnagar-06 (Middle), 3rd Crossing, Agartala- 799002, Tripura (West)
Tel: 0381-2339045

पावरग्रिड POWERGRID

पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
(भारत सरकार का उपक्रम)
POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)

Ref. No: NEAGT/NERPSIP-500/2020-21/74 Date: 04/02/2021

To,

SPML Infra Limited,
22, Camac Street, Block-A
3rd Floor, Kolkata-700016

Kind Attention: Sh. M.K. Chakraborty, Executive VP

Sub: Safety Officer for Substation Package TRP-SS-01 & TRP-SS-02 – Reg.

NOA No.
CC-CS/86-NER/SS-2650/1/G1/NOA-I/7068 dated 04/11/2016
CC-CS/86-NER/SS-2650/1/G1/NOA-II/7069 dated 04/11/2016
CC-CS/86-NER/SS-2651/1/G1/NOA-I/7070 dated 04.11.2016
CC-CS/86-NER/SS-2651/1/G1/NOA-II/7071 dated 04.11.2016

Sir,

It is to bring to your kind notice that the Safety officer for package TRP-SS-01 is unavailable to give his services since November, 2020. On further enquiry it is learnt that the Safety officer for package TRP-SS-01 has recently resigned. Also, the Safety officer for package TRP-SS-02 is unavailable since January, 2019 & no replacement has been given by M/s. SPML till date. The same was already pointed out by our Regional Safety Officer who visited Tripura in the month of January, 2020 & a letter was issued to M/s. SPML vide letter ref. no. NESH/Safety/Audit/113/2020/ dated 06/01/2021.The construction activity of 132kV Substations is going on in full swing & the non-availability of Safety officer may lead to major safety lapses at sites which cannot be permitted by POWERGRID.

In view of above you are requested to deploy Safety Officer for package TRP-SS-01 & TRP-SS-02 immediately failing which contractual action/ recovery as deemed fit will be taken against M/s. SPML Infra Limited as per the contract agreement.

Necessary action may be taken accordingly.

Thanking you,

Yours faithfully,

(S.I. Singh)
Sr. General Manager (NERPSIP)
POWERGRID, Agartala

Copy to:

1. Sr. GM (PESM), POWERGRID, Guwahati for kind information
2. GM (Projects), SPML, Agartala for kind information please
3. Sr. DGM (NERPSIP), POWERGRID, Udaipur for kind information

NERPSIP Office, Ramnagar-06 (Middle), 3rd Crossing, Agartala- 799002, Tripura (West)
Tel: 0381-2330045

Annexure 21

GRC Details

TRIPURA STATE ELECTRICITY CORPORATION LIMITED

(A Govt. of Tripura Enterprise)

No. F. 5(65) / TSECL/2016-17/ 3308-40 dated , Agartala, the 27 February, 2017

To
The General Manager (NERPSIP)
Power Grid Corporation of India Ltd.
Royal Centre Flat No. 102
G.S. Road, Ulubari
Guwahati – 781007.

Sub : - Constitution of Site Level Grievance Redressal Committee (GRC) for NER Power System Improvement Project (NERPSIP) : Tripura

Ref : - NEAGT/NERPSIP / Grievance / 313, dated 19.01.2017.

Sir,

In inviting reference to the letter above, Site Level Grievance Redressal Committee (GRC) has been constituted and attached herewith in line with the State Specific ESPPF adopted by TSECL for the work covered under Tranche – I of ongoing World Bank aided NER Power System Improvement Project (NERPSIP) pertaining to the State of Tripura, to provide a trusted way to resolve environmental and social concerns of the Project and also to effectively address person / community / stake holder complaints arising out of the project implementation.

Yours faithfully,

(S.G. Choudhuri)
Director (Finance) & Company Secretary,
TSECL, Agartala.

Copy to :-

1) The P.S. to the CMD, TSECL, Agartala.
2) The GM (Technical), TSECL, Agartala.
3) The AGM (Transmission), TSECL, Agartala.
4-10) The AGM, EC – Gomati / Belonia / Sepahijala / II, Agartala / Khowai / Dhalai / Unakoti.
11-13) The DGM, TD, Agartala / Udaipur / Kumarghat.
14-16) The DGM (Civil) / DGM (P-II) / DGM (P-III), Transmission Circle, Agartala.
17-32) The DGM, ED – Amarpur / Bagafa / Udaipur / Belonia / Sabroom, Jampujala / Sonamura / Bishalgarh / Mohanpur / Teliamura / Jirania / Khowai / Ambassa / Manu / Kamalpur / Kailashahar.

Director (Finance) & Company Secretary

Bidyut Bhavan, North Banamalipur, Agartala – 799 001, Tripura
Phones: 0381-222-8001 / 232-5343 / 222-6613 FAX: 0381-2319427 / 222-6356

SITE LEVEL GRIEVANCE REDRESSEL COMMITTEE

FOR NER POWER SYSTEM IMPROVEMENT PROJECT (TRANCHE – I): TRIPURA

A. 132 KV sub-station :

Package No.	Sl No.	Sub-station	Site Level Grievance Redressel Committee	
			Nominated Official of TSECL	Nominated Official of PowerGrid
SS01	1	Belonia	1) DGM, TD, Udaipur, 2) Mgr, Belonia S/S.	Dy. Mgr, PGCIL, Belonia
	2	Bagafa	1) DGM, TD, Udaipur, 2) Mgr, Bagafa S/S.	
	3	Sabroom	1) DGM, TD, Udaipur, 2) Mgr, Sabroom S/S	Dy. Mgr, PGCIL, Satchand
	4	Satchand	1) DGM, TD, Udaipur, 2) Mgr, Satchand S/S.	
SS02	5	Rabindranagar	1) DGM, TD, Agartala, 2) DGM (Civil), TC, Agartala 3) Sr.Mgr, Rabindranagar S/S	Manager, PGCIL, Udaipur
	6	Gokulnagar	1) DGM, TD, Agartala, 2) DGM (Civil), TC, Agartala 3) Sr.Mgr, Gakulnagar S/S	Dy. Mgr, PGCIL, Agartala
	7	Jirania	1) DGM, TD, Agartala, 2) DGM (Civil), TC, Agartala 3) Sr. Mgr, Jirania S/S	
	8	Udaipur	1) DGM, TD, Udaipur, 2) Sr.Mgr, Udaipur S/S	Manager, PGCIL, Udaipur
	9	Rokhia	1) DGM, TD, Agartala, 2) DGM (Civil), TC, Agartala 3) Sr.Mgr, TSD,Agartala	Manager, PGCIL, Udaipur
SS03	10	Mohanpur	1) DGM, TD, Agartala, 2) DGM (Civil), TC, Agartala	Dy. Mgr, PGCIL, Agartala
	11	Amarpur	1) DGM, TD, Udaipur, 2) Mgr, Amarpur S/S	Manager, PGCIL, Udaipur
	12	Manu	1) DGM, TD, Kumarghat, 2) Sr.Mgr, Ambassa S/S	Asstt. GM, PGCIL, Kumarghat
	13	Ambassa		
	14	Dhalabil	1) DGM, TD, Agartala, 2) Sr.Mgr, Dhalabil S/SS/S	Dy. Mgr, PGCIL, Agartala
	15	Kailashahar	1) DGM, TD, Kumarghat, 2) Sr.Mgr, Kailashahar S/S	Asstt. GM, PGCIL, Kumarghat
	16	Dharmanagar	1) DGM, TD, Kumarghat, 2) Sr.Mgr, Dharmanagar S/S	

SITE LEVEL GRIEVANCE REDRESSEL COMMITTEE

FOR NER POWER SYSTEM IMPROVEMENT PROJECT (TRANCHE – I): TRIPURA

B. 132 KV line :

Package No.	Sl. No.	Line	Site Level Grievance Redressel Committee	
			Nominated Official of TSECL	Nominated Official of PowerGrid
TW01	1	Bagafa - Belonia	1) DGM, TD, Udaipur, 2) DGM (Civil), TC, Agartala 3) Sr Mgr, TSD, Agartala	Dy. Mgr, PGCIL, Belonia
	2	Belonia - Sabroom		
	3	Bagafa - Satchand		
TW02	4	Rabindranagar - Rokhia	1) DGM, TD, Agartala, 2) DGM (Civil), TC, Agartala 3) Sr Mgr, Rabindranagar S/S	Manager, PGCIL, Udaipur
	5	Rabindranagar - Belonia	1) DGM, TD, Udaipur, 2) DGM(Civil),TC 3) Sr. Mgr, TSD, Agartala	
	6	Udaipur - Bagafa		
	7	LILO of Surjamaninagar – Rokhia at Gokulnagar	1) DGM, TD, Agartala, 2) DGM (Civil), TC, Agartala 3) Sr. Mgr, TSD,Agartala	Dy. Mgr, PGCIL, Agartala
TW03	8	Kailashahar - Dharmanagar	1) DGM, TD, Kumarghat, 2) Sr Mgr, Dharmanagar S/S	Asstt GM, PGCIL, Kumarghat
	9	Udaipur - Amarpur	1) DGM, TD, Udaipur, 2) DGM(Civil),TC, Agartala 3) Sr Mgr, TSD,Agartala	Manager, PGCIL, Udaipur
	10	LILO of Grid 79 Tilla - Dhalabil at Mohonpur	1) DGM, TD, Agartala, 2) DGM (Civil), TC, Agartala 3) Sr Mgr, TSD,Agartala	Dy. Mgr, PGCIL, Agartala
	11	LILO of Ambassa – P. K Bari at Manu	1) DGM, TD, Kumarghat, 2) Sr Mgr, Ambassa S/S	Asstt GM, PGCIL, Kumarghat

SITE LEVEL GRIEVANCE REDRESSEL COMMITTEE FOR NER POWER SYSTEM IMPROVEMENT PROJECT (TRANCHE – I): TRIPURA

C. 33 KV Sub-station and 33 KV lines :

Package No.	Sl. No.	New sub-station	Augmentation Sub-station	New 33 KV line	Renovation 33 KV line	Site Level Grievance Redressel Committee: Nominated Official of TSECL	Site Level Grievance Redressel Committee: Nominated Official of PowerGrid
DMS 01	1	Karbook	Rani	LILO of Tirthamukh - Silachari at Karbook	Jolaibari – Bagafa	1) DGM,ED-Amarpur 2) DGM,TD,Udaipur	Manager, PGCIL, Udaipur
	2	Mohurpur	Jolaibari	LILO of Jolaibari - Bagafa at Mohurpur	Silachari – Tirthamukh	1) DGM,ED-Bagafa 2) DGM, ED – Amarpur 3) DGM,TD,Udaipur	Dy. Mgr, PGCIL, Belonia
	3	Dalak (Chelagang)		Amarpur 132/33 KV S/S – Dalak		1) DGM,ED-Amarpur, 2) DGM,TD,Udaipur	Manager, PGCIL, Udaipur
	4	Ganjee		Jatanbari - Dalak		1) DGM, ED - Udaipur, 2) DGM,TD,Udaipur	
	5	Chittamara		Belonia Existing 33/11 KV S/s- Chittamara		1) DGM,TD,Udaipur, 2) DGM,ED-Belonia	Dy. Mgr, PGCIL, Belonia
	6	Maharani		Ganjee – Chittamara		1) DGM,ED-Udaipur, 2) DGM,TD,Udaipur	Manager, PGCIL, Udaipur
	7	Chechua		Udaipur 132/33 KV s/s – Maharani		1) DGM,ED-Amarpur, 2) DGM, ED - Udaipur, 3) DGM,TD,Udaipur	
				Ganjee – Maharani			
				Amarpur 132/33 KV S/S – Chechua		1) DGM,ED-Amarpur, 2) DGM,TD,Udaipur	
DMS 02	8	Ekinpur	Hrishyamukh	Sabroom 132 KV S/s - Manughat	Belonia – Hrishyamukh	1) DGM,ED- Belonia 2) DGM,TD,Udaipur	Dy. Mgr, PGCIL, Belonia
	9	Manughat	Rajnagar	Manughat - Srinagar	Belonia – Rajnagar		Dy. Mgr, PGCIL, Satchand
	10	Rupaichari		Satchand 132/33 KV S/S – Srinagar		1) DGM,ED- Sabroom 2) DGM,TD,Udaipur	
	11	Barpathari		Tapping point on existing Belonia - Hrishyamukh line - Srinagar		1) DGM,ED- Belonia 2) DGM,TD,Udaipur	Dy. Mgr, PGCIL, Belonia
	12	Gabardi		Satchand 132/33 KV S/S – Rupaichari		1) DGM,ED- Jampujala 2) DGM,TD,Agartala 3) DGM(Civil),TC, Agartala	Dy. Mgr, PGCIL, Agartala
	13	Srinagar		Rajnagar - Ekinpur		1) DGM,ED- Belonia 2) DGM,TD,Udaipur	Dy. Mgr, PGCIL, Satchand Manager, PGCIL, Udaipur
				LILO of existing Belonia - Rajnagar line at Barpathari			
				Jolaibari - Silachari		1) DGM,ED-Sabroom 2) DGM,TD,Udaipur	Dy. Mgr, PGCIL, Satchand
				Jolaibari - Proposed Satchand		1) DGM,ED-Sabroom 2) DGM,TD,Udaipur	
				Proposed Rupaichari – proposed Sabroom		1) DGM,ED-Sabroom 2) DGM,TD,Udaipur	
				LILO of existing Suraj Mani Nagar -Takarjala line at Gabardi		1) DGM,ED- Jampujala 2) DGM,TD,Agartala 3) DGM(Civil),TC, Agartala	Dy. Mgr, PGCIL, Agartala

SITE LEVEL GRIEVANCE REDRESSEL COMMITTEE FOR NER POWER SYSTEM IMPROVEMENT PROJECT (TRANCHE – I): TRIPURA

C. 33 KV Sub-station and 33 KV lines :

Package No.	Sl. No.	New sub-station	Augmentation Sub-station	New 33 KV line	Renovation 33 KV line	Site Level Grievance Redressel Committee	
						Nominated Official of TSECL	Nominated Official of PowerGrid
DMS03	14	Sekerkote	Madhupur	LILO of Badharghat - Jangalia line at Sekerkote	Badharghat - Jangalia	1) DGM,ED- Bisnalgarh 2) DGM, ED - Sonamura 3) DGM,TD,Agartala, 4) DGM(Civil),TC, Agartala	Dy. Mgr. PGCIL Agartala
	15	Golaghati	Melaghar	Proposed Gokul Nagar - Golaghati	Rabindranagar - Kathalia		
	16	Durganagar	Kathalia	Takarjala – Golaghati	Rabindranagar – Melaghar		
	17	Nidaya	Takarjala	Proposed Gokul Nagar - Durganagar	Badharghat – SM Nagar	1) DGM,ED- Sonamura 2) DGM,TD Agartala 3) DGM(Civil),TC, Agartala	Dy. Mgr. PGCIL Belonia
	18	Nalchar		Madhupur - Durganagar	SM Nagar – Takarjala		Manager, PGCIL, Udaipur
				Kathalia – Nidaya		1) DGM ED- Sonamura 2) DGM,TD, Agartala, 3) DGM(Civil),TC, Agartala	
				Melaghar -Nalchar			
				Bishramganj -Nalchar			
				Proposed Gokul Nagar 132/33 KV S/S - Tapping at Madhupur-Jangalia line		1) DGM,ED- Bisalgarh 2) DGM,TD Agartala, 3) DGM(Civil),TC, Agartala	Dy. Mgr. PGCIL Agartala
				Bishramganj – Jangalia			
				Rajnagar - Nidaya		1) DGM,ED- Sonamura 2) DGM,TD,Agartala 3) DGM(Civil),TC, Agartala	Dy. Mgr. PGCIL Belonia

SITE LEVEL GRIEVANCE REDRESSEL COMMITTEE FOR NER POWER SYSTEM IMPROVEMENT PROJECT (TRANCHE – I): TRIPURA

C. 33 KV Sub-station and 33 KV lines :

Package No.	Sl. No.	New sub-station	Augmentation Sub-station	New 33 KV line	Renovation 33 KV line	Site Level Grievance Redressel Committee: Nominated Official of TSECL	Site Level Grievance Redressel Committee: Nominated Official of PowerGrid
DMS04	19	Sinna	Hezamara	Dhalabil –Khowai	Teliamura – Kalyanpur	1)DGM,TD,Agartala, 2)DGM(Civil),TC, Agartala 3)DGM,ED-Mohanpur	Dy. Mgr, PGCIL Agartala
	20	Barkathal	Khayerpur	Ampura – Khowai	Dhalabil – Kalyanpur	1)DGM,TD,Agartala 2)DGM,ED-Mohanpur 3) DGM, ED-Teliamura	
	21	Bamutia		Hezamara -Sinna	Monopur – Hezamara	1)DGM,TD,Agartala, 2)DGM(Civil),TC, Agartala 3)DGM,ED-Mohanpur	
	22	Champak -Nagar		Tapping point on Mohanpur - Hezamara line to Sinna	Mohonpur – Agartala	1)DGM,TD,Agartala, 2)DGM(Civil),TC, Agartala 3)DGM,ED-Mohanpur 4)DGM, ED - Jirania	
	23	Mungia -kami		Hezamara -Barkathal	Khayerpur – Jirania	1)DGM,TD,Agartala 2)DGM(Civil),TC, Agartala 3)DGM,ED-Mohanpur 4)DGM, ED - Jirania	
	24	Taidu		Proposed Mohanpur -Barkathal		1)DGM,TD,Udaipur, 2)DGM,ED-Amarpur 3)DGM, ED- Mohanpur	
	25	Lembu -chera		Durjoynagar – Bamutia		1)DGM,TD,Agartala, 2)DGM(Civil),TC, Agartala 3)DGM,ED-Mohanpur	
	26	Khowai		Lembuchera -Bamutia		1)DGM,TD,Agartala, 2)DGM(Civil),TC, Agartala 3)DGM,ED-Mohanpur 4)DGM, ED - Khowai	
	27	ADC Head Qtr		LILO of existing Agartala - Mohanpur at Lembuchera		1)DGM,TD,Agartala, 2)DGM(Civil),TC, Agartala 3)DGM, ED – Jirania 4) DGM, ED – Mohanpur	
	28	Ranir -bazar		Jirania –Champaknagar			
				LILO of existing Khayerpur - Jirania line at Ranirbazaar			
				Jirania –ADC Hear Qtr			
				Champak Nagar –ADC			
				Hezamara -Dhalabil		1)DGM,TD,Agartala, 2)DGM(Civil),TC, Agartala 3)DGM,ED-Mohanpur 4)DGM, ED - Khowai	
				LILO of existing Ambassa - Teliamura at Mungiakami		1)DGM,TD,Agartala, 2)DGM(Civil),TC, Agartala 3)DGM,ED-Teliamura	
				Teliamura –Taidu			
				Chechua – Taidu		1)DGM,TD,Udaipur 2)DGM,ED-Amarpur	

SITE LEVEL GRIEVANCE REDRESSEL COMMITTEE FOR NER POWER SYSTEM IMPROVEMENT PROJECT (TRANCHE – I): TRIPURA

C. 33 KV Sub-station and 33 KV lines :

Package No.	Sl. No.	New sub-station	Augmentation Sub-station	New 33 KV line	Renovation 33 KV line	Site Level Grievance Redressel Committee	
						Nominated Official of TSECL	Nominated Official of PowerGrid
DMS05	29	Tila Bazar	Gandacherra	Ambassa - Jawharnagar	Ambassa – Teliamura	1)DGM, TD,Kumarghat, 2)DGM,ED-Kailashahar 3) DGM, ED-Ambassa	Asstt. GM, PGCIL, Kumarghat
	30	Jawharnagar	Salema	LILO of existing Chhamanu-Manu line at Chailengta		1)DGM, TD,Kumarghat, 2)DGM,ED- Ambassa 3) DGM, ED -Manu	
	31	Chailengta	Rangrung	Proposed Jawhar Nagar – Dhumachera		1)DGM, TD,Kumarghat, 2)DGM,ED- Manu	
	32	Dhumachhera		Proposed Manu 132/33 KV S/S – Dhumachera			
	33	82 mile		Proposed Manu 132/33 KV S/S – 82 mile			
	34	Durga Chowmohani		P K Bari – 82 mile		1)DGM, TD,Kumarghat, 2)DGM,ED- Manu, 3)DGM, ED -Kamalpur	
				Kalasahar existing 132/33 KV s/s -Tillabazaar		1)DGM, TD,Kumarghat, 2) DGM,ED- Manu, 3) DGM, ED-Kailashahar	
				Proposed Manu 132/33 KV S/S- tapping at Chewmanu - Manu line			
				LILO of existing Salema - Kamalpur Line		1)DGM, TD,Kumarghat, 2)DGM,ED- Manu, 3) DGM, ED -Kamalpur	

O/C

पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)

पावरग्रिड

दूरभाष : (0381)2330045 (क)
NERPSIP Office,
Ramnagar (Middle), 3rd Crossing, Agartala - 799002

उत्तर पूर्वीय क्षेत्र / NORTH EASTERN REGION

Ref. No. NEAG1/NERPSIP-102/2017-18/ 477

Date: 19.06.2017

To,

The AGM (Transmission)
Tripura State Electricity Corporation Limited
79 Tilla, Transmission Circle
Agartala-799006, Tripura (West)

Sub: Nominations from local administration, panchayat/ADC, affected persons etc. as local representative for site level Grievance Redressal Committee (GRC)

Reference: - No. F. 5(85) / TSECL/2016-17/3308-40, dated 27.02.2017

Dear Sir,

With reference to the subject cited above, you may be aware that site level Grievance Redressal Committee (GRC) with members from POWERGRID and TSECL has already been constituted (copy enclosed). However as per the requirement of World Bank, the nominations from local administration, panchayat/ADC, affected persons etc. as local representative is also mandatory. This has already been discussed with World Bank during the meeting held on 01st - 02nd March, 2017 at Guwahati (copy of World Bank Aide-Memoire enclosed).

In view of above, you are kindly requested to arrange to get the nominations from local administration, panchayat/ADC, affected persons etc. as local representative for site level GRC.

On receipt of nominations, compliance will be communicated to the World Bank.

Thanking you,

Yours faithfully,

Encls: As above

RECEIVED
19/06/17

19/06/20
DGM (NERPSIP)
POWERGRID, Agartala

Copy to:

1. GM (NERPSIP), POWERGRID, Guwahati for kind information please

Registered Office: B-9 Qutab Institute Area, Katwaria Sarai, New Delhi- 110016
Tel: 011-26560112, Fax: 26601081, Website: http://www.powergridindia.com

पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)

पावरग्रिड

दूरभाष : (0381)2330045 (फ)
NERPSIP Office,
Ramnagar-06(Middle); 3rd Crossing, Agartala – 799002.
उत्तर पूर्वीय क्षेत्र / NORTH EASTERN REGION

o/c

Ref. No. NEAGT/NERPSIP-102/2018-19/ 587

Date: 27.03.2019

To,

The AGM (Transmission)
Tripura State Electricity Corporation Limited
79 Tilla, Transmission Circle
Agartala-799006, Tripura (West)

Sub: Nominations from local administration, panchayat/ADC, affected persons etc. as local representative for site level Grievance Redressal Committee (GRC) – Reminder-2

Reference: - No. F. 5(85) / TSECL/2016-17/3308-40, dated 27.02.2017

Dear Sir,

With reference to the subject cited above, you may be aware that site level Grievance Redressal Committee (GRC) with members from POWERGRID and TSECL has already been constituted *(copy enclosed)*. However as per the requirement of World Bank, the nominations from local administration, panchayat/ADC, affected persons etc. as local representative is also mandatory. This has already been discussed with World Bank during the 5th Project Steering Committee meeting held on 12th November, 2018 at Guwahati *(copy of World Bank Aide-Memoire enclosed)*.

In view of above, you are once again requested to arrange to get the nominations from local administration, panchayat/ADC, affected persons etc. as local representative for site level GRC.

On receipt of nominations, compliance will be communicated to the World Bank.

Thanking you,

Yours faithfully,

Enclo: As above

RECEIVED
No. 80
Date 29/03

27/03/2019

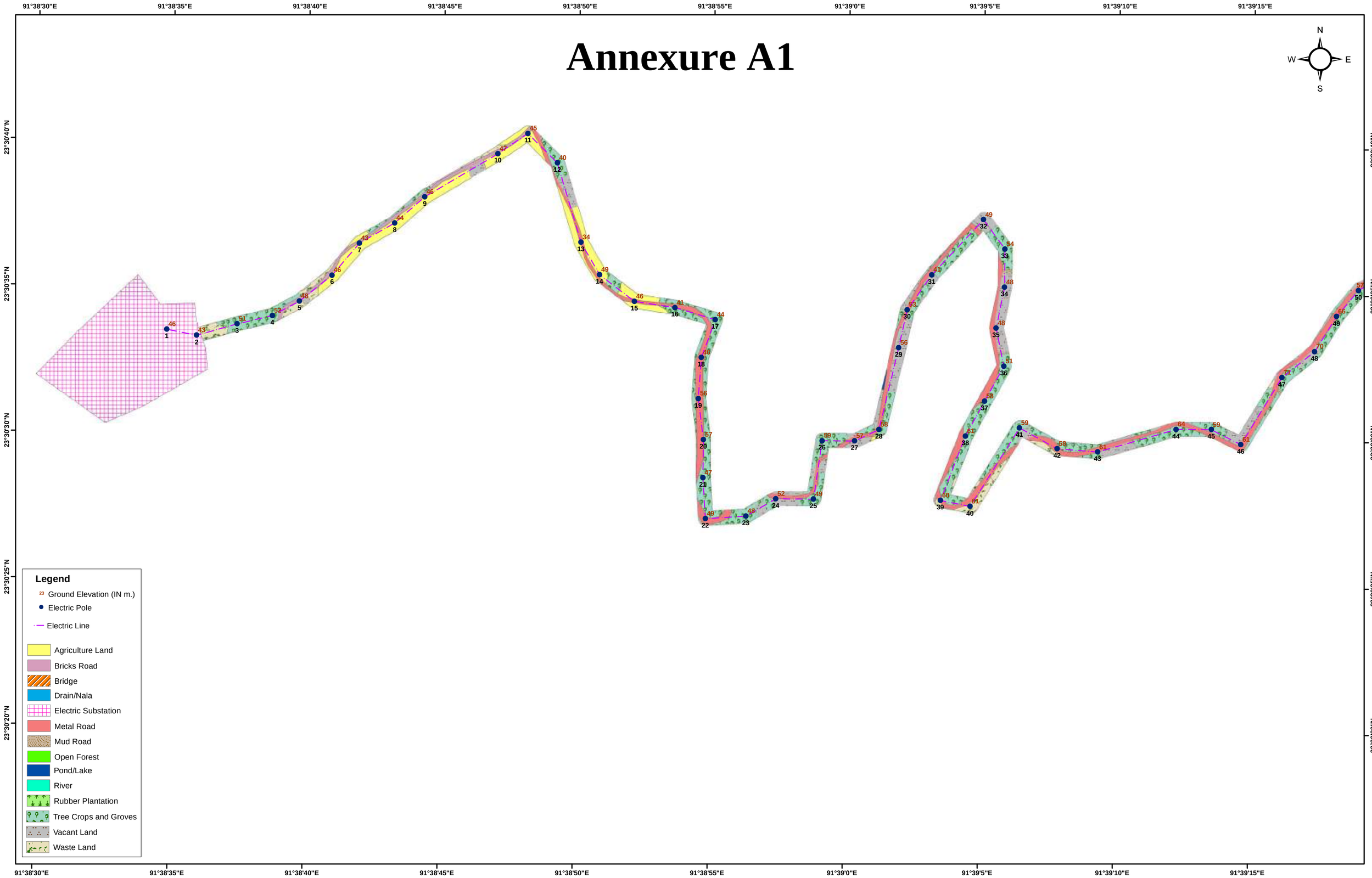
Uttam Debnath
Manager (NERPSIP)
POWERGRID, Agartala

Copy to:

1. Sr. GM (NERPSIP), POWERGRID, Agartala for kind information please
2. CGM (NERPSIP), POWERGRID, Guwahati for kind information please

Registered Office: B-9 Qutab Institute Area, Katwaria Sarai, New Delhi- 110016
Tel: 011-26560112, Fax: 26601081, Website: http://www.powergridindia.com

LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV AMARPUR S/S TO PROPOSED 33/11 KV DALAK S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



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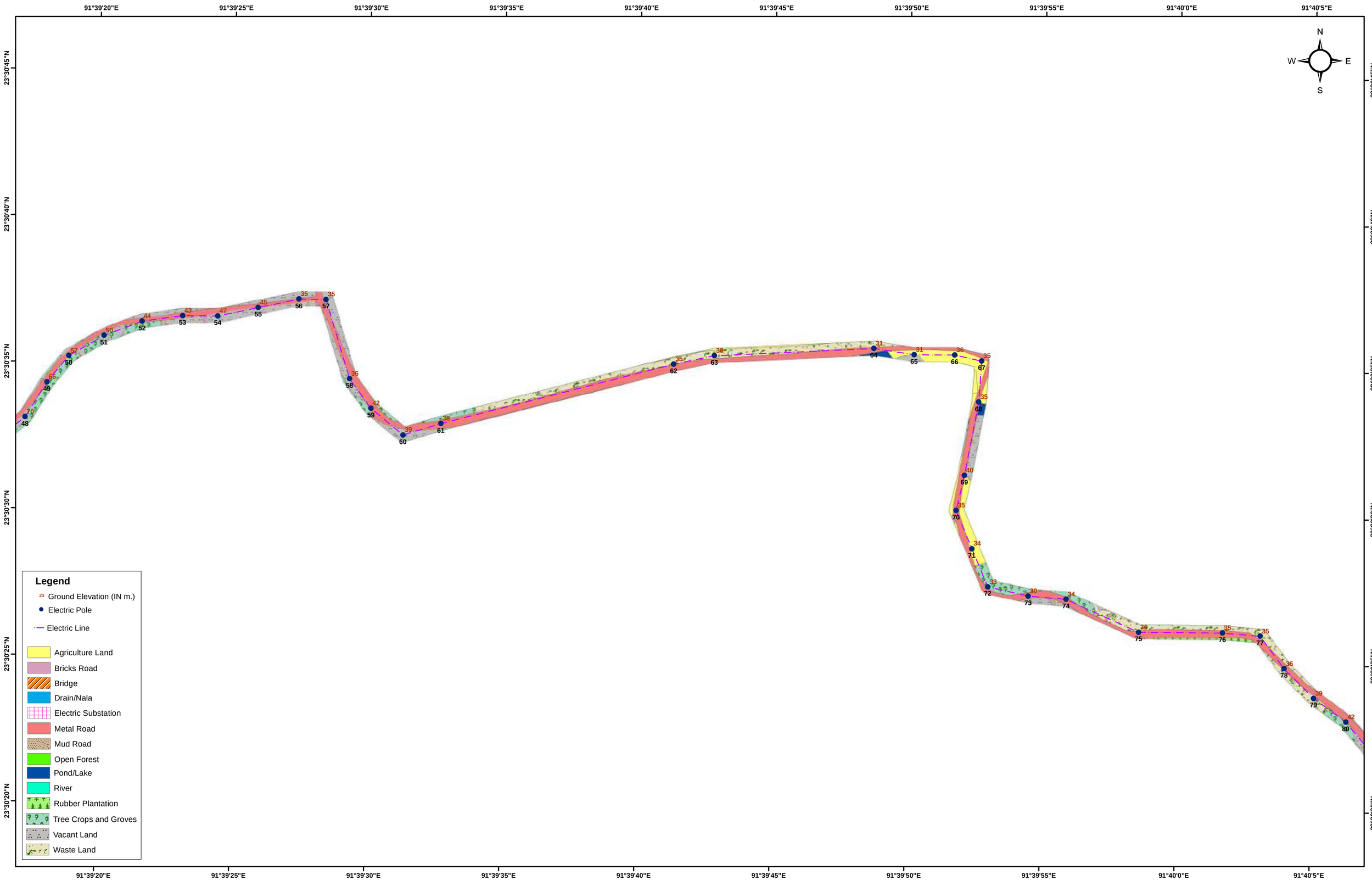

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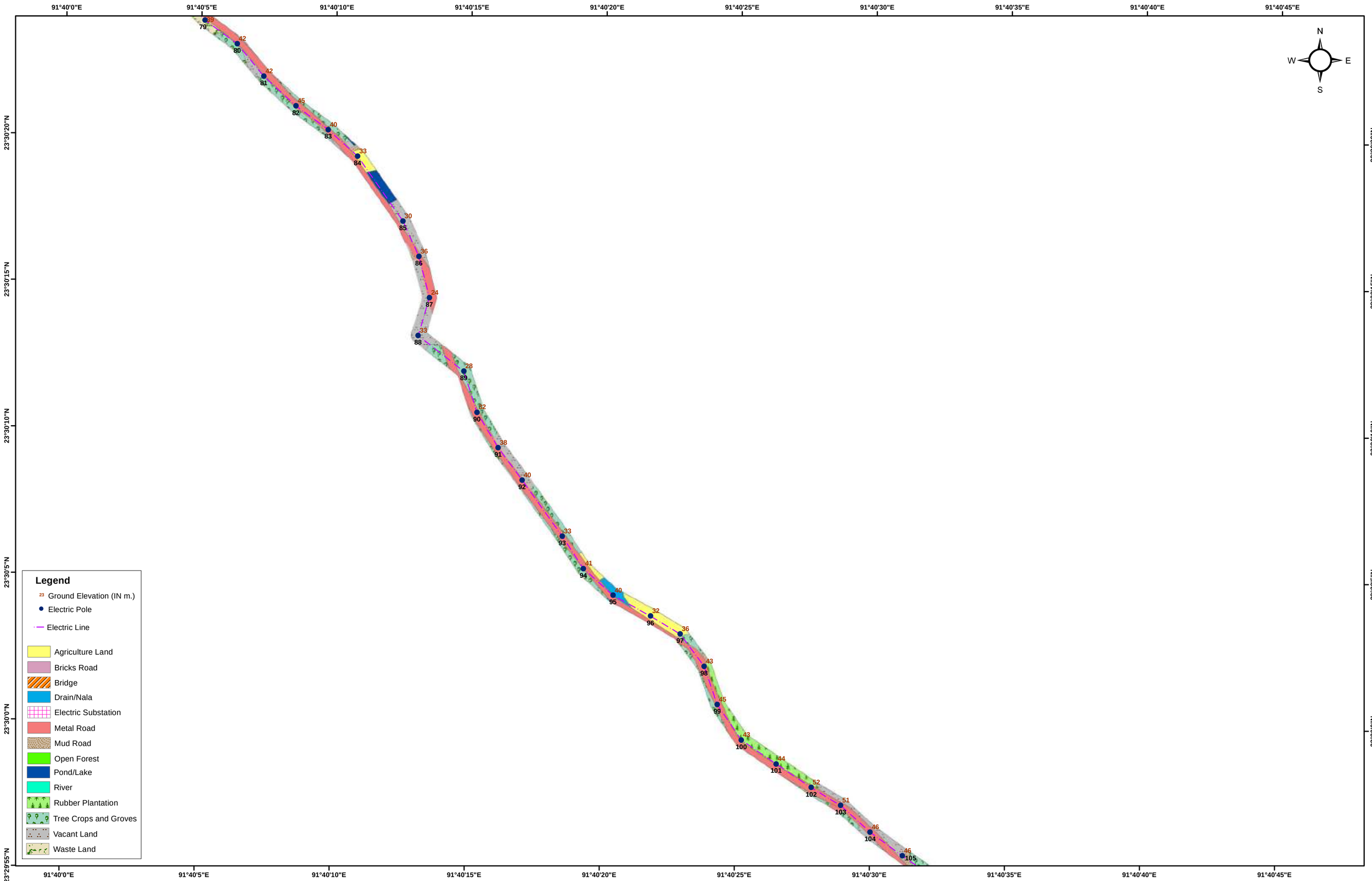

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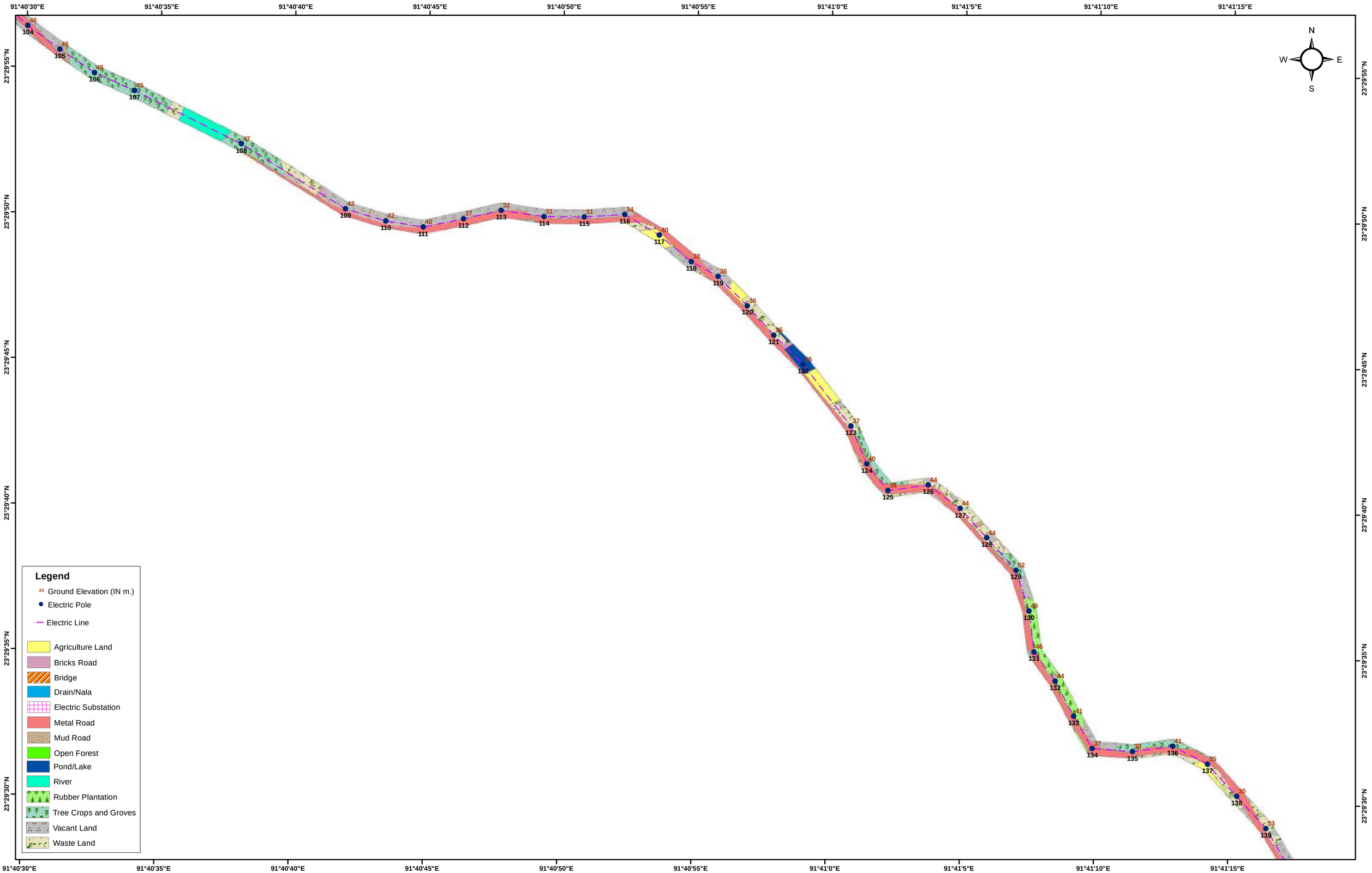

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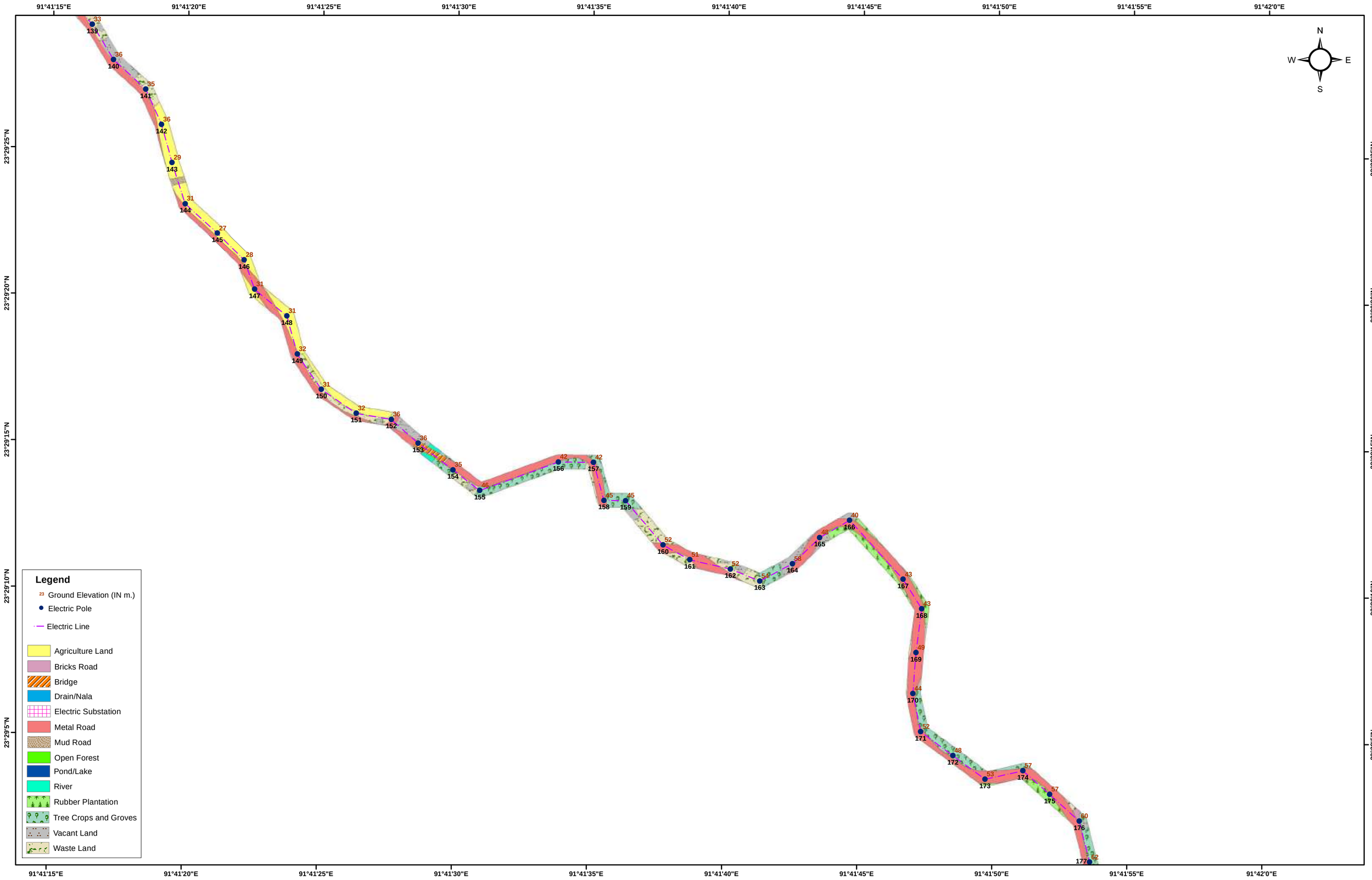

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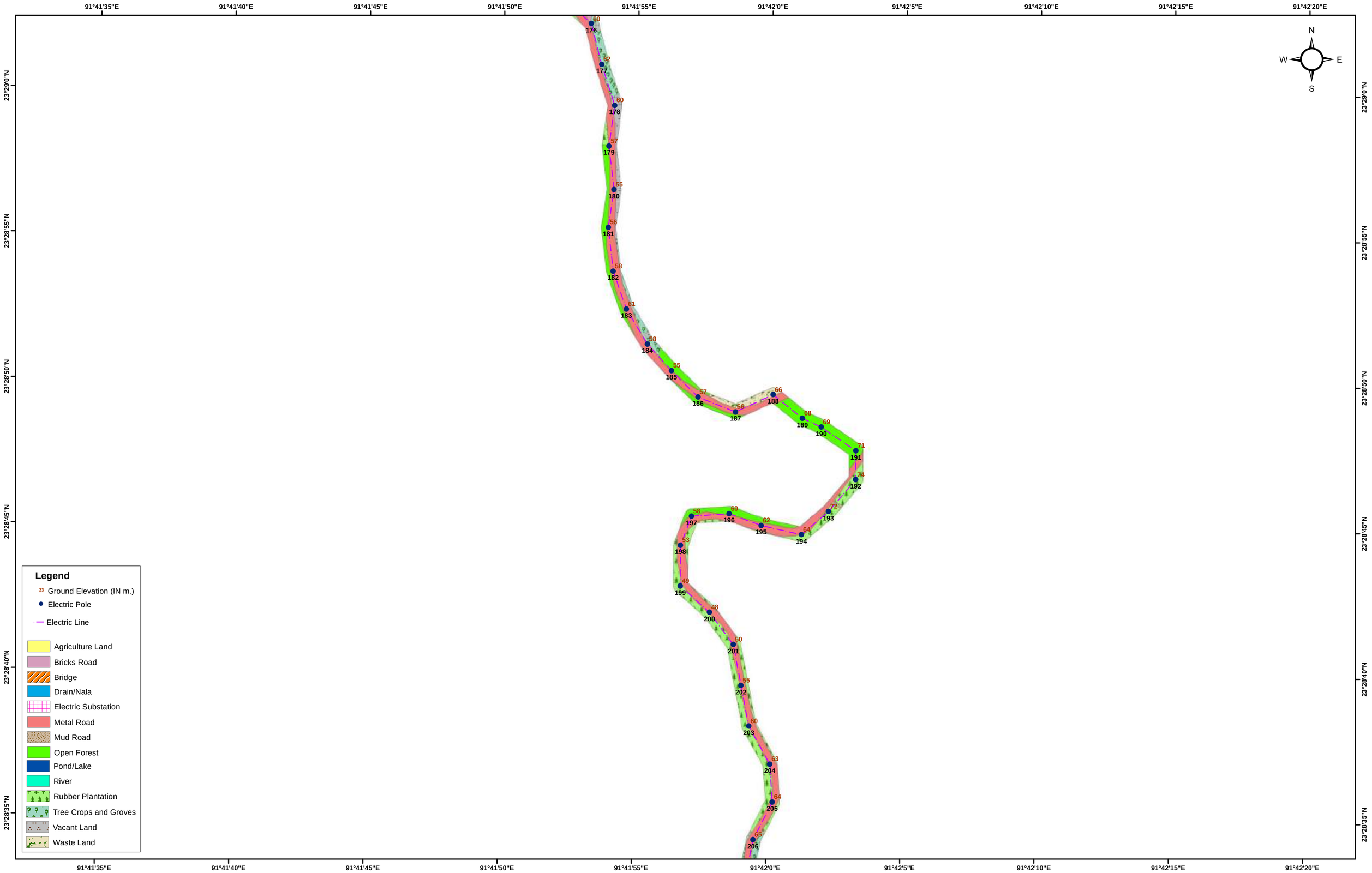

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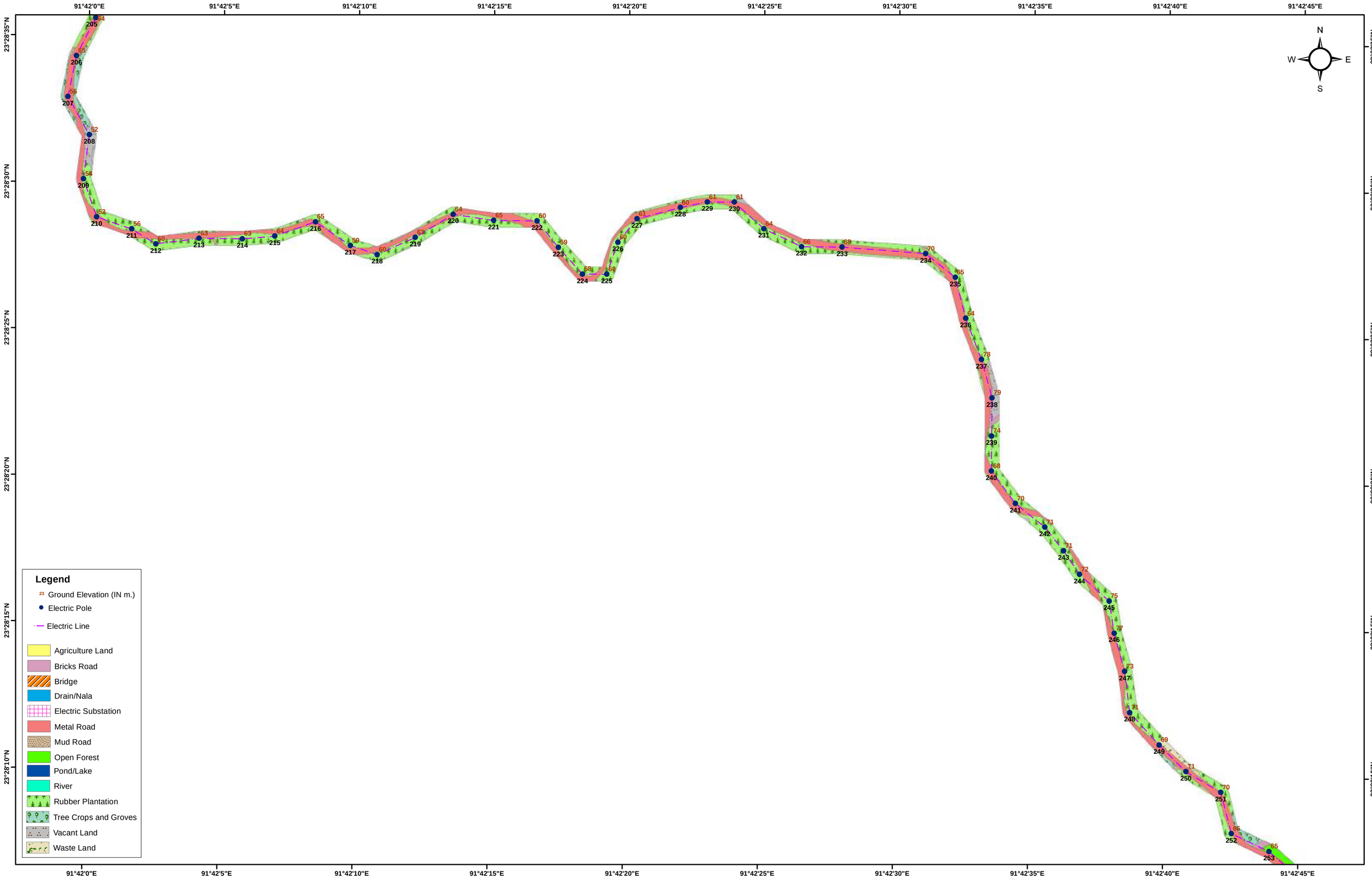

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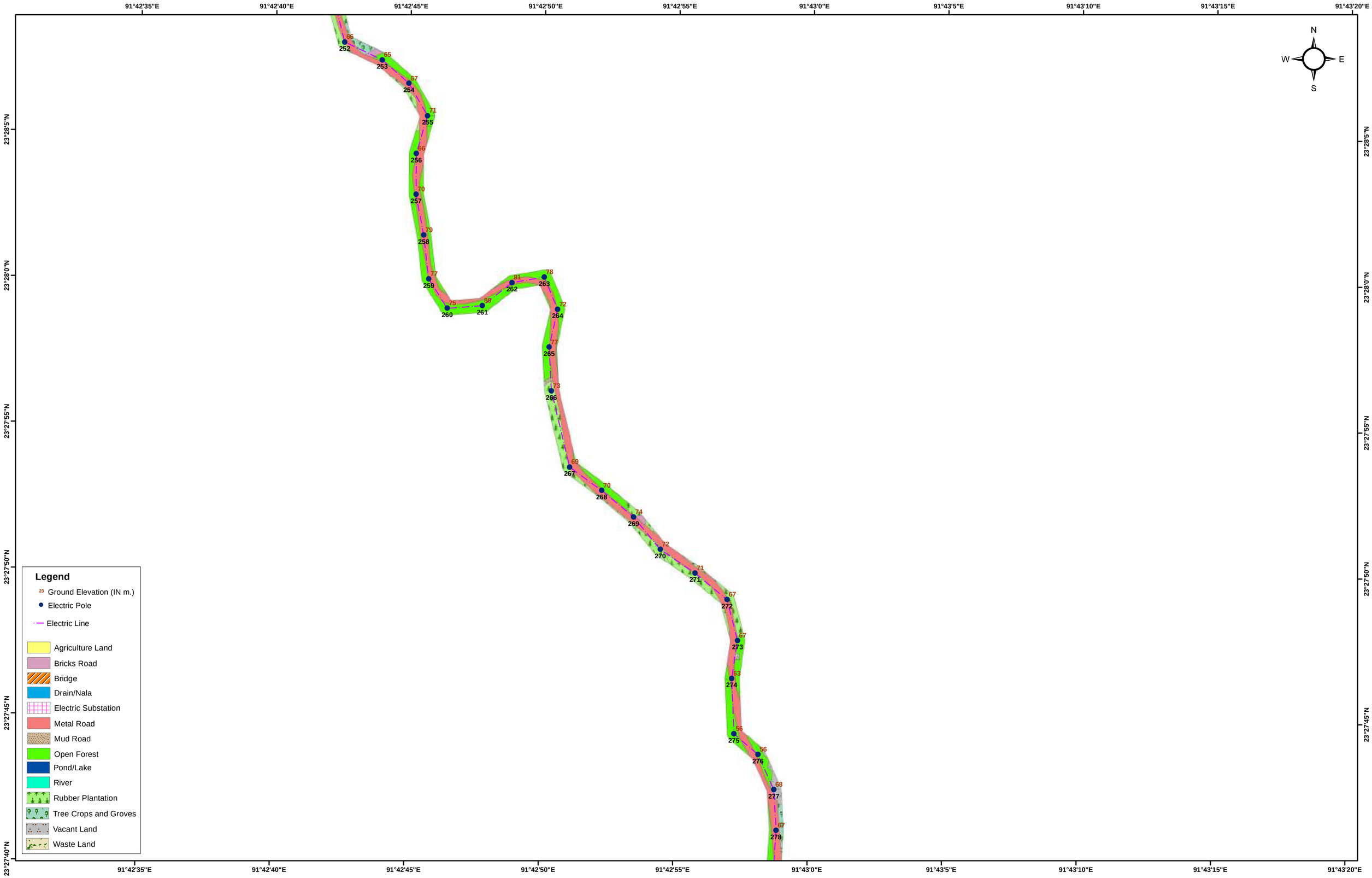

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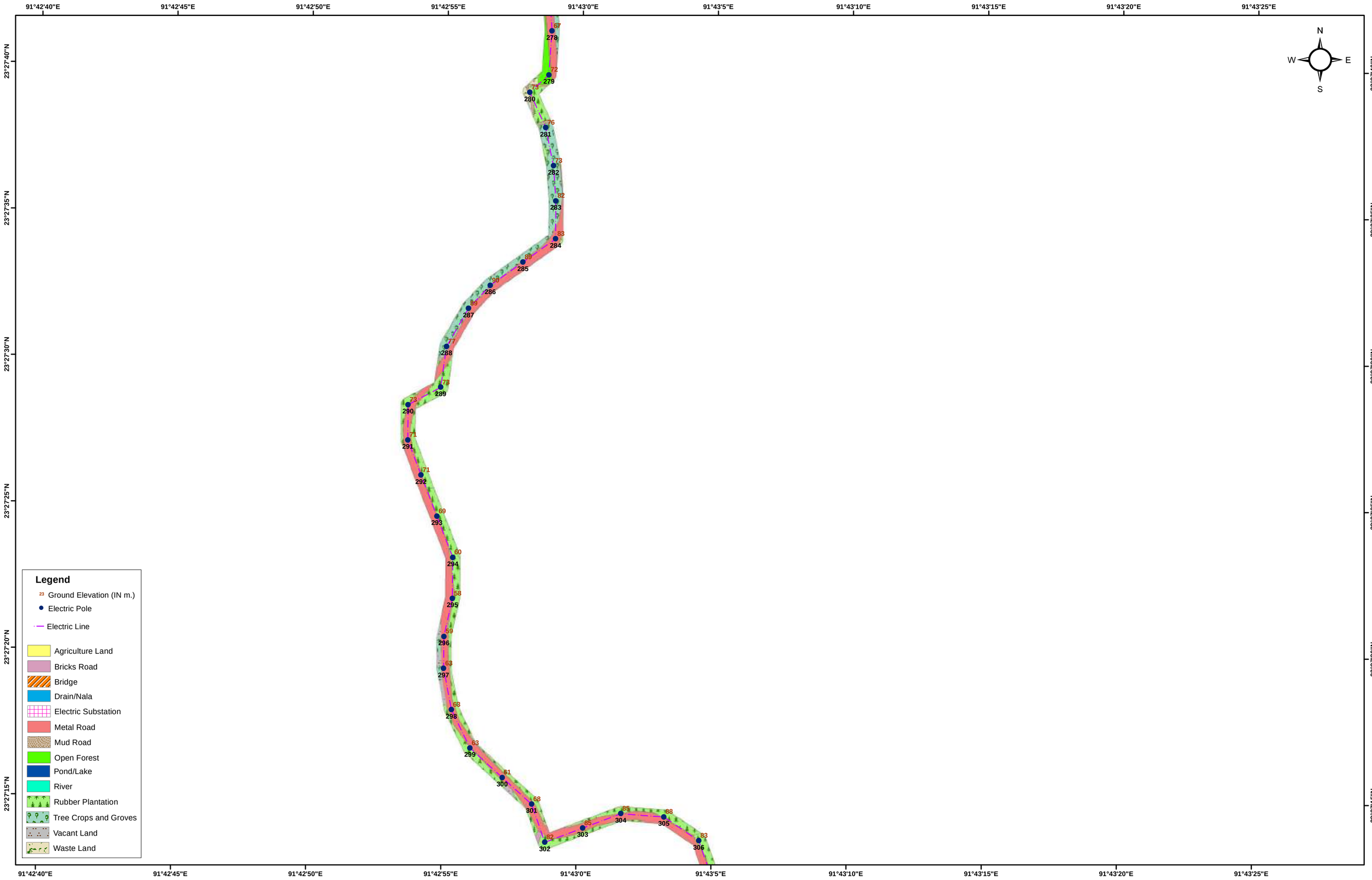

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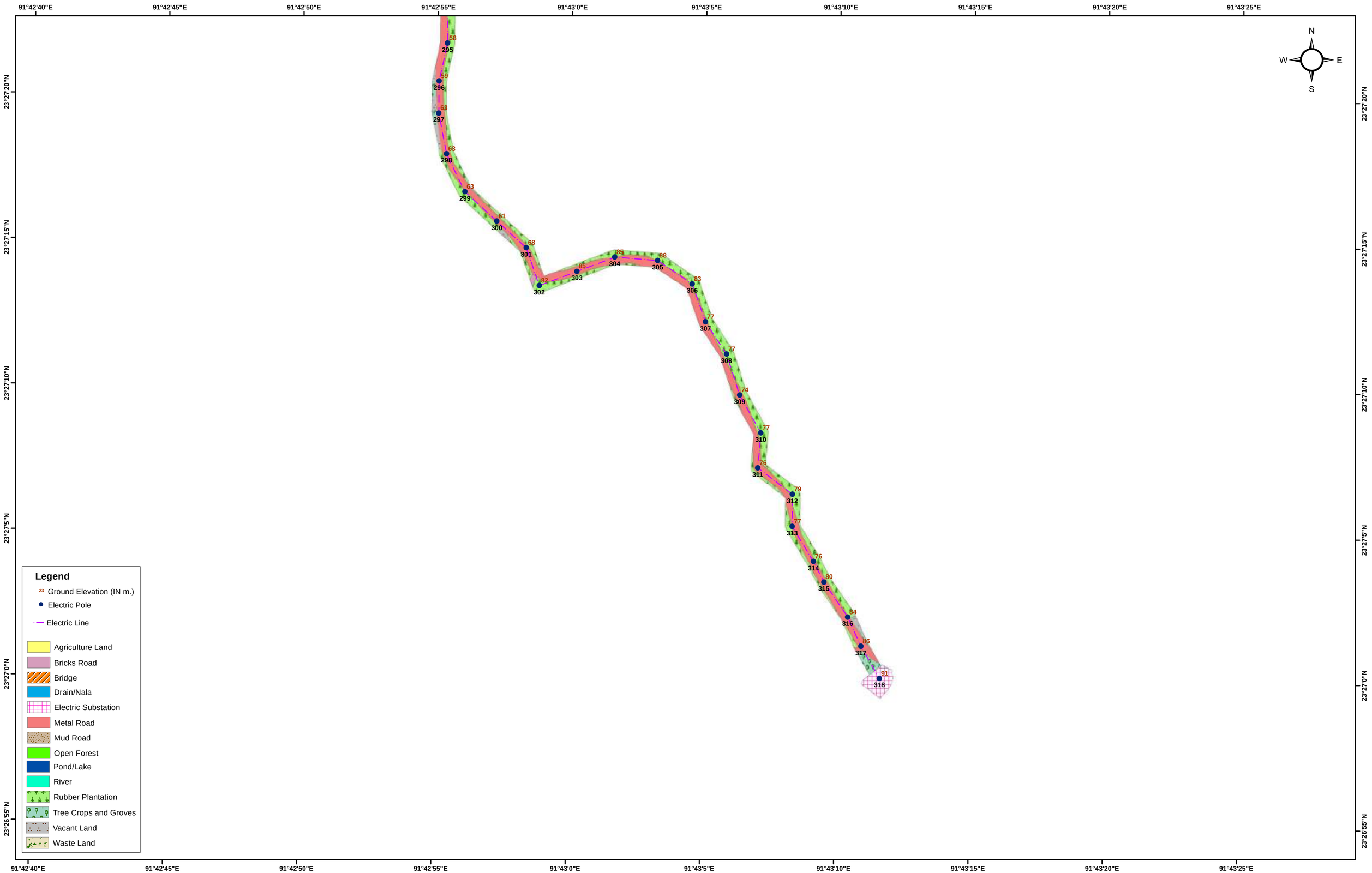

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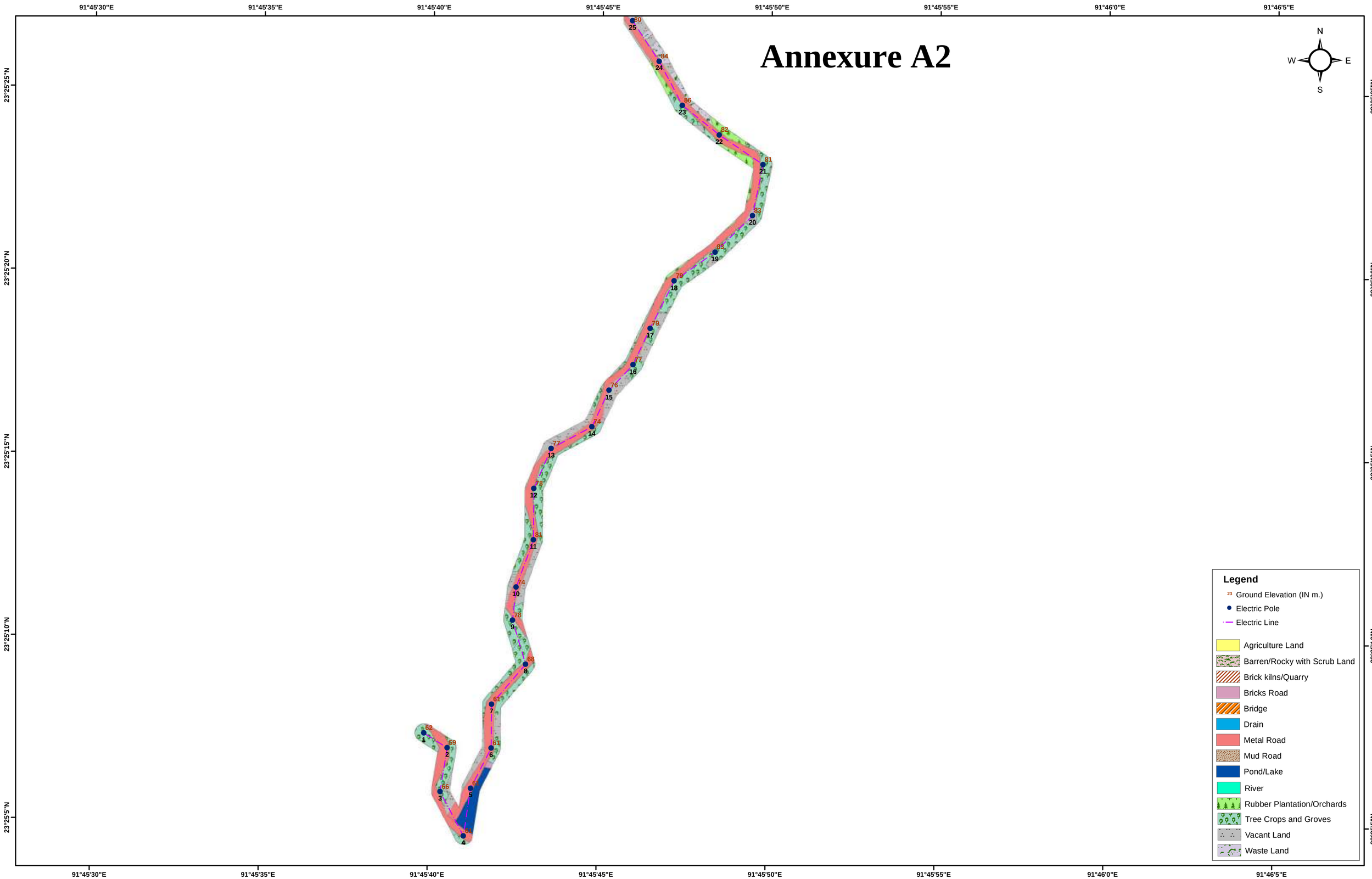

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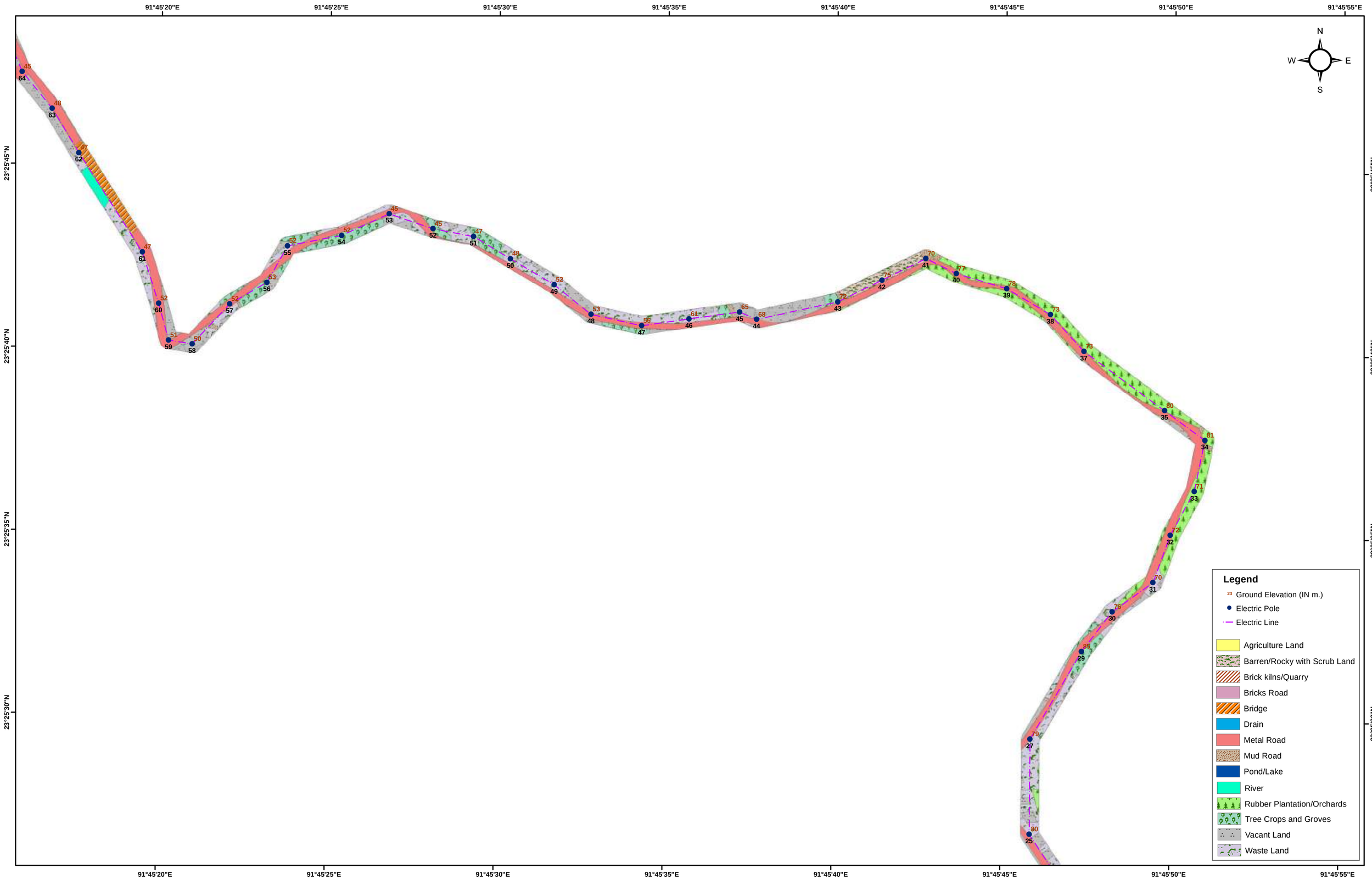

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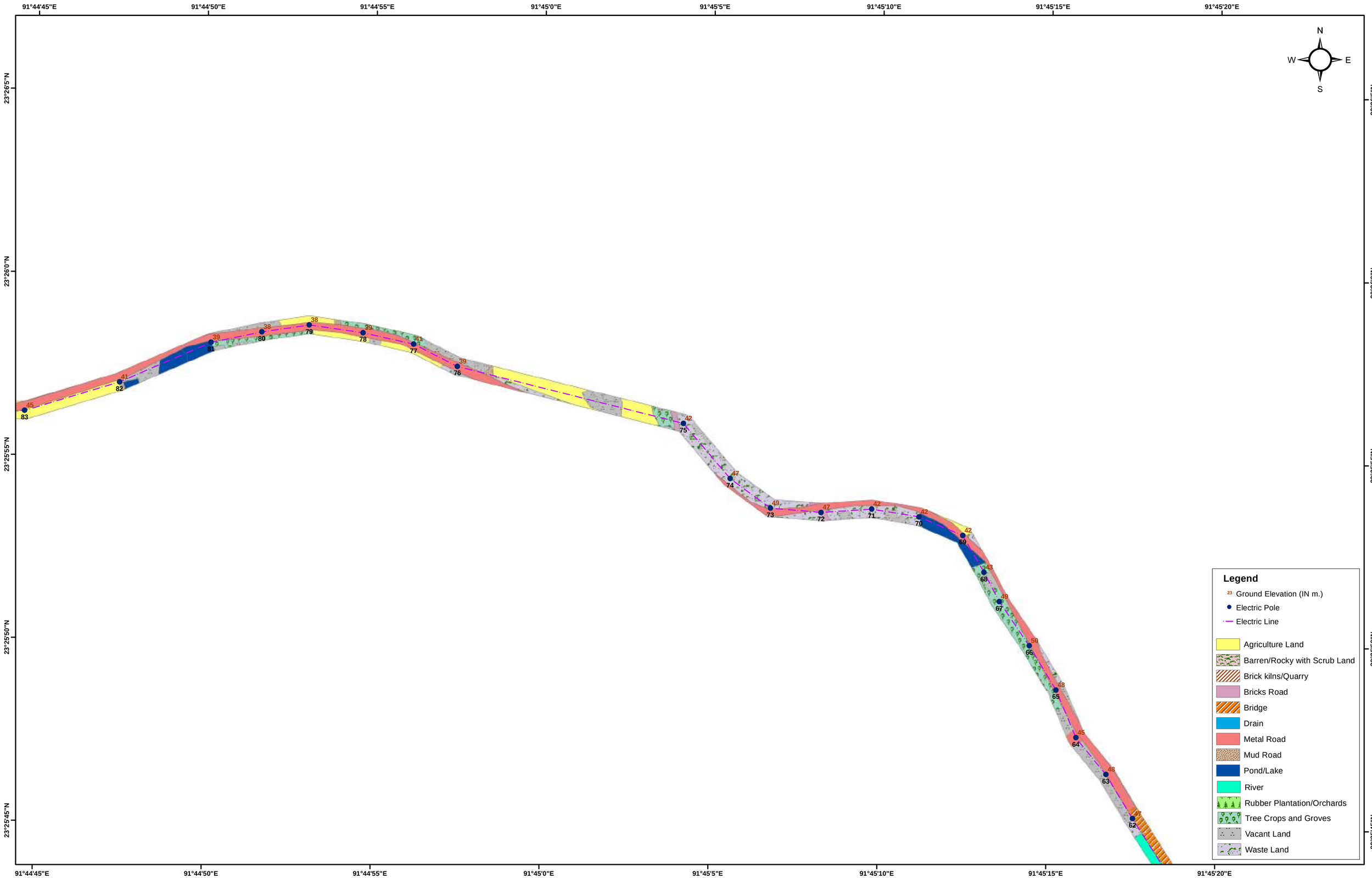

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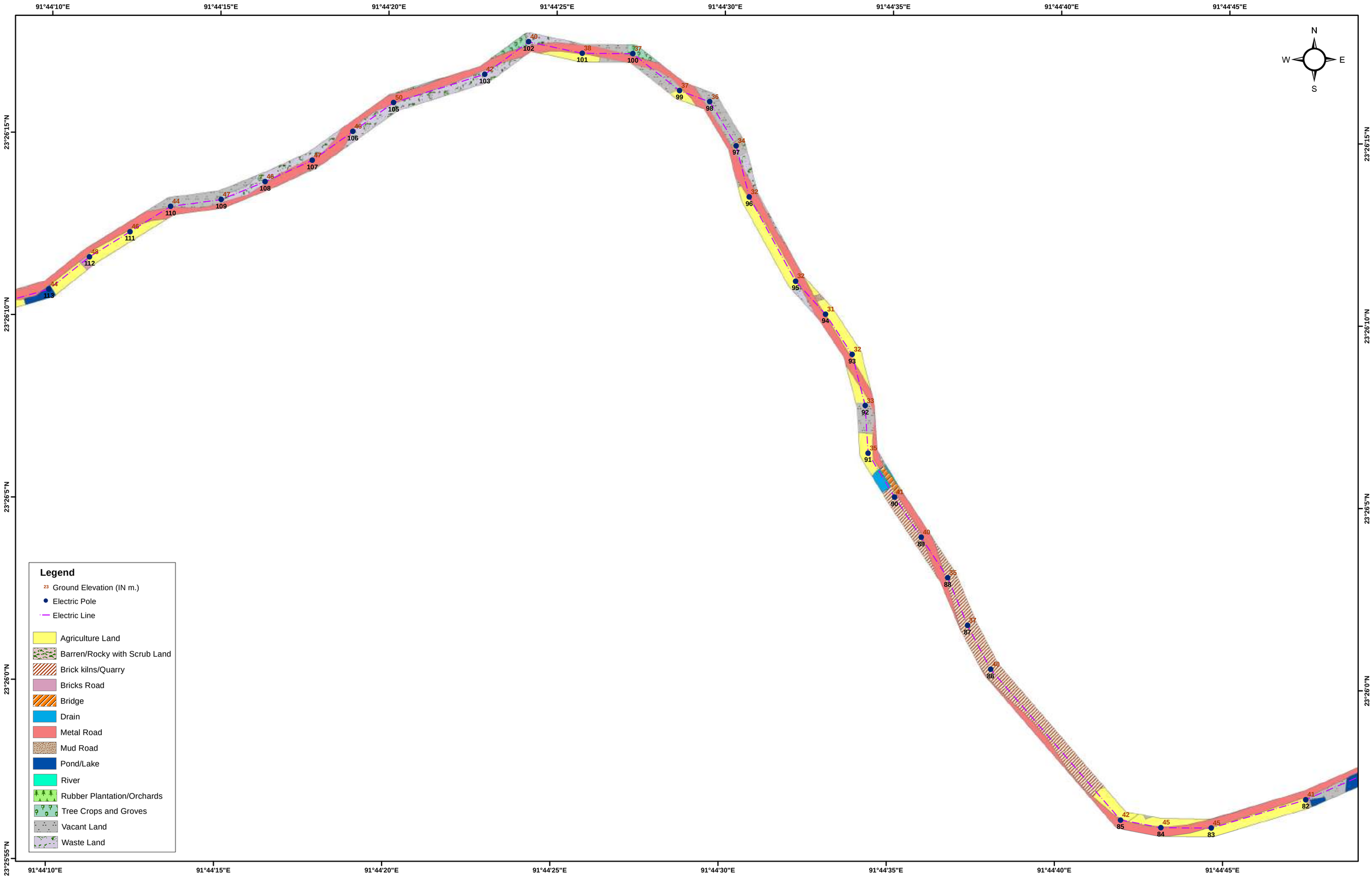

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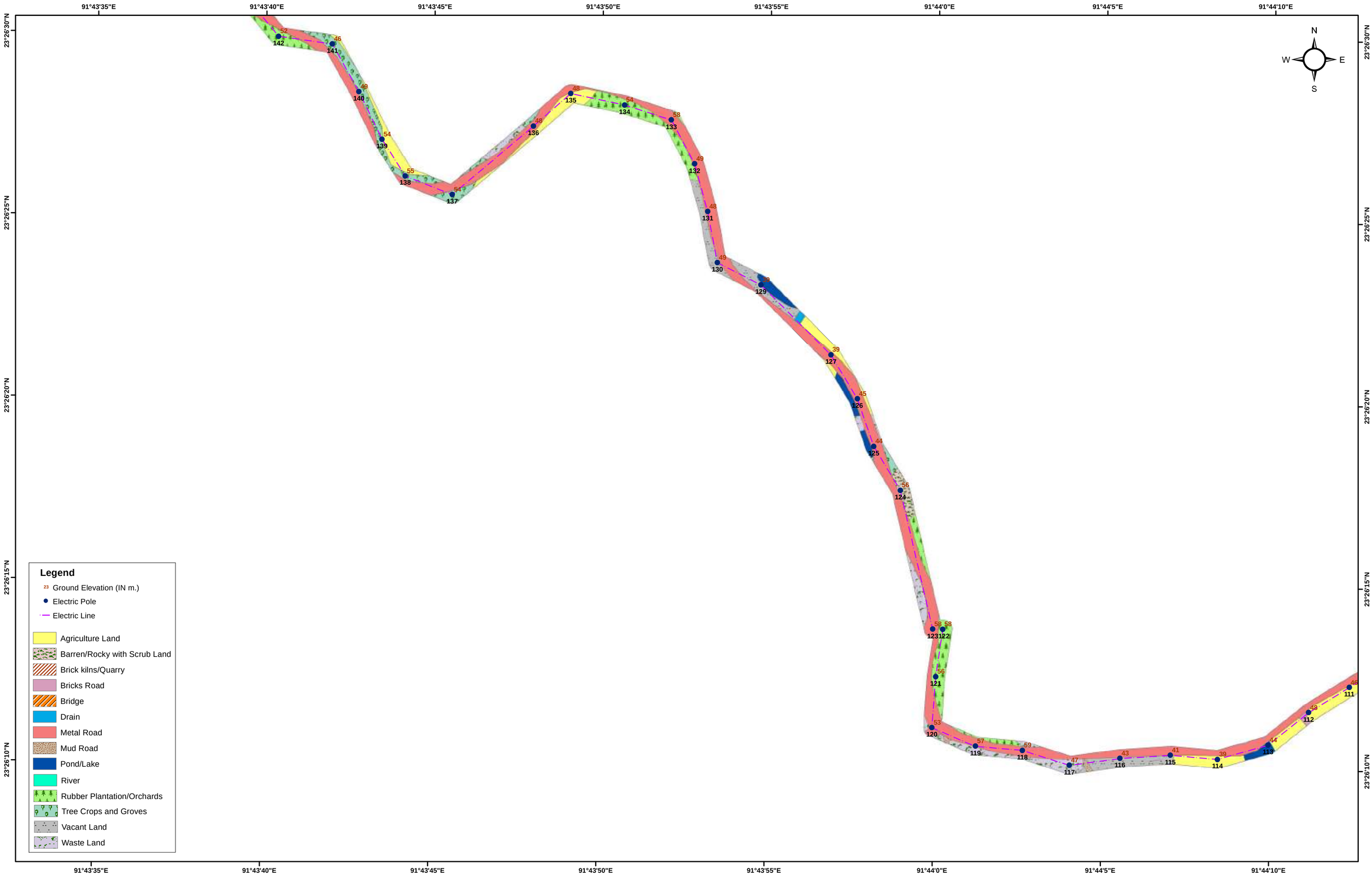

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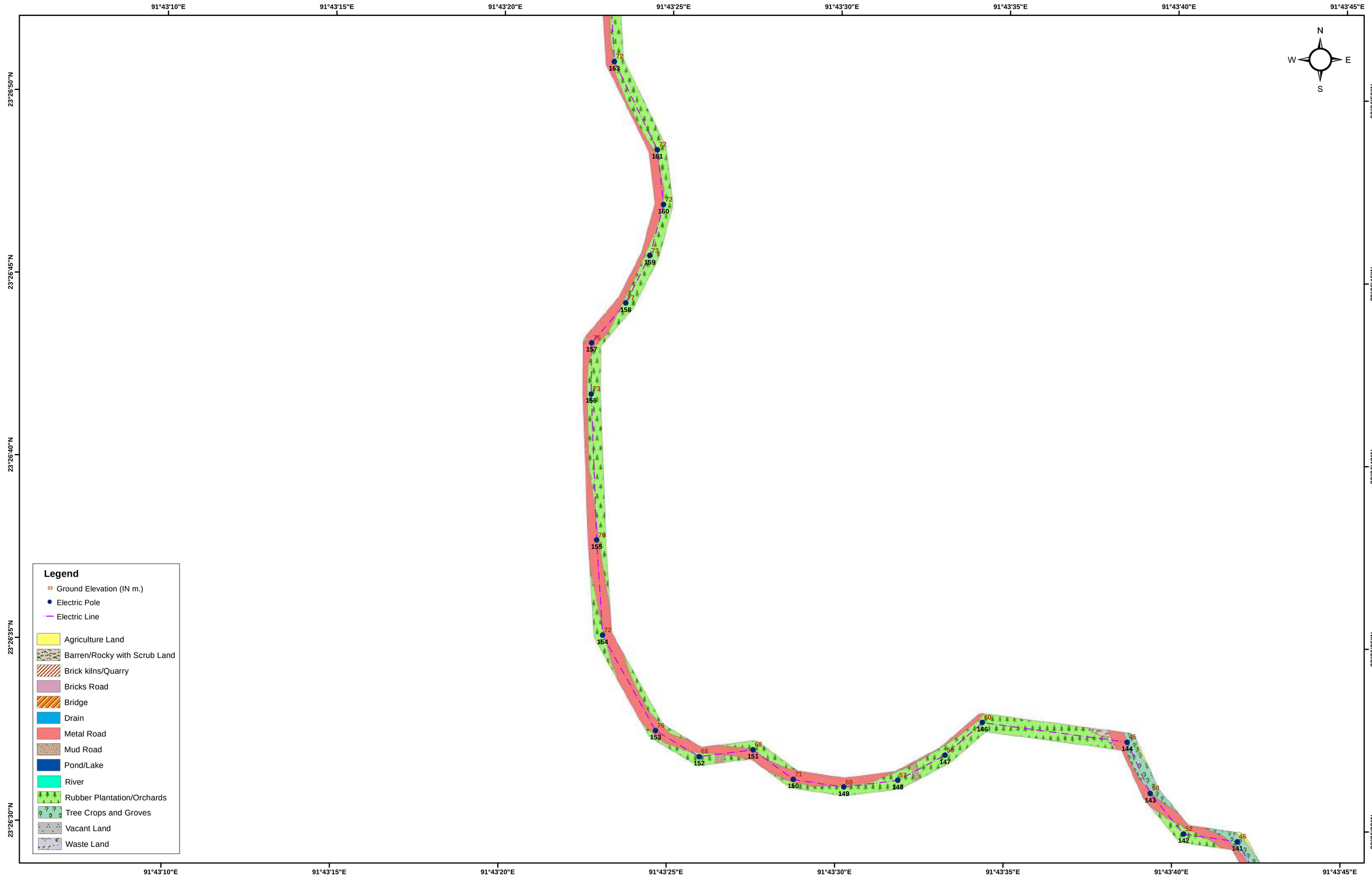

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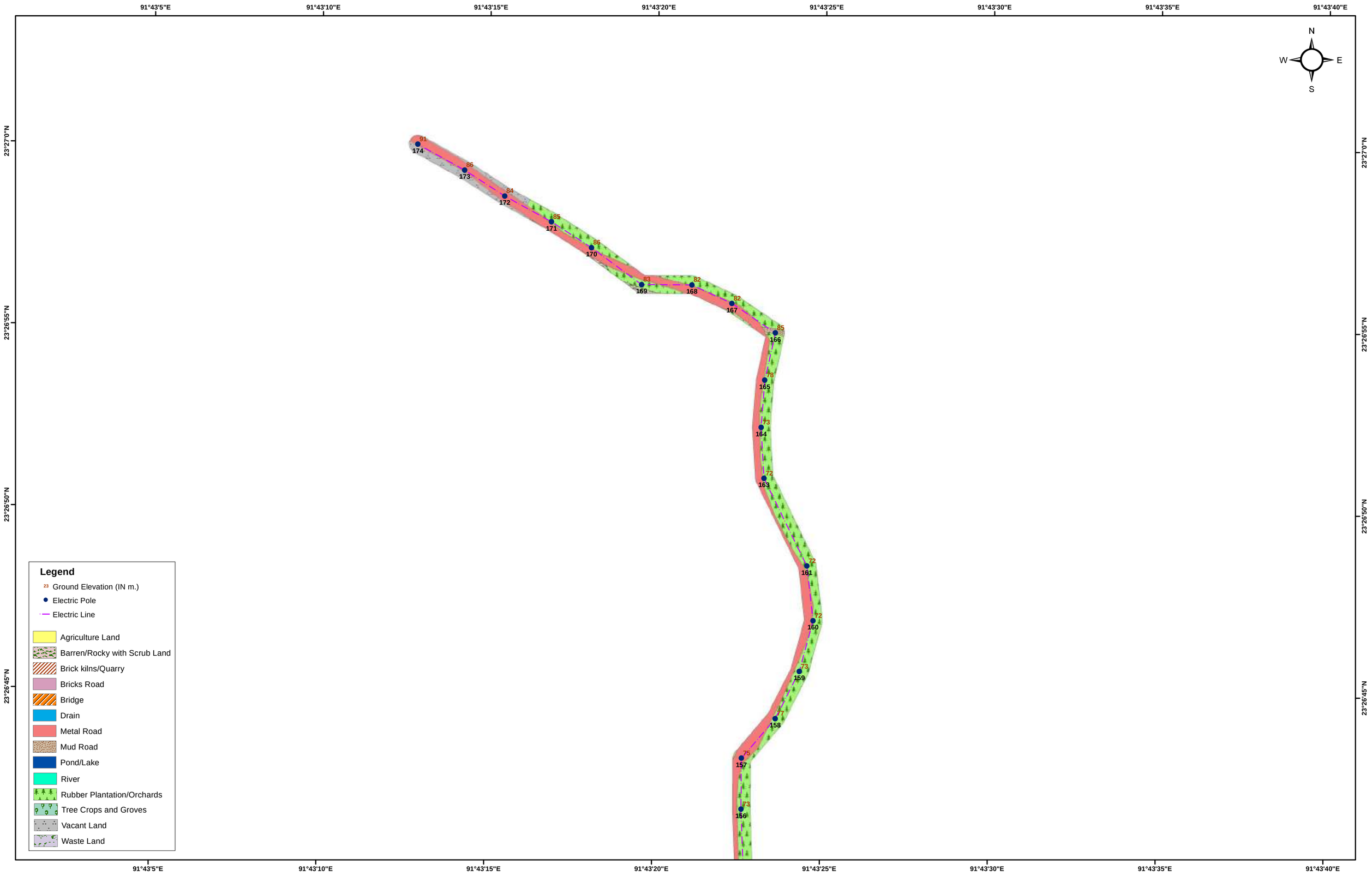

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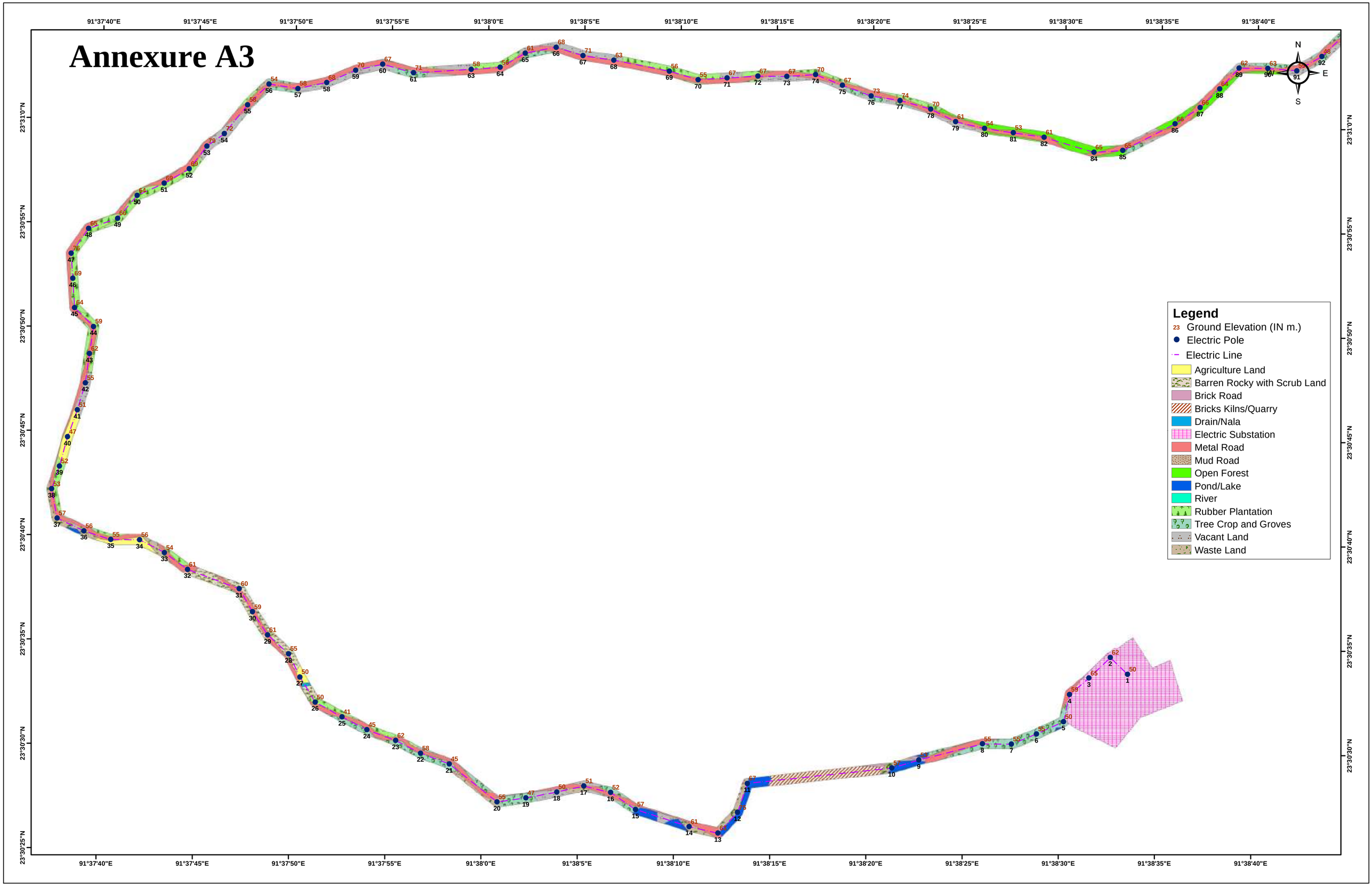

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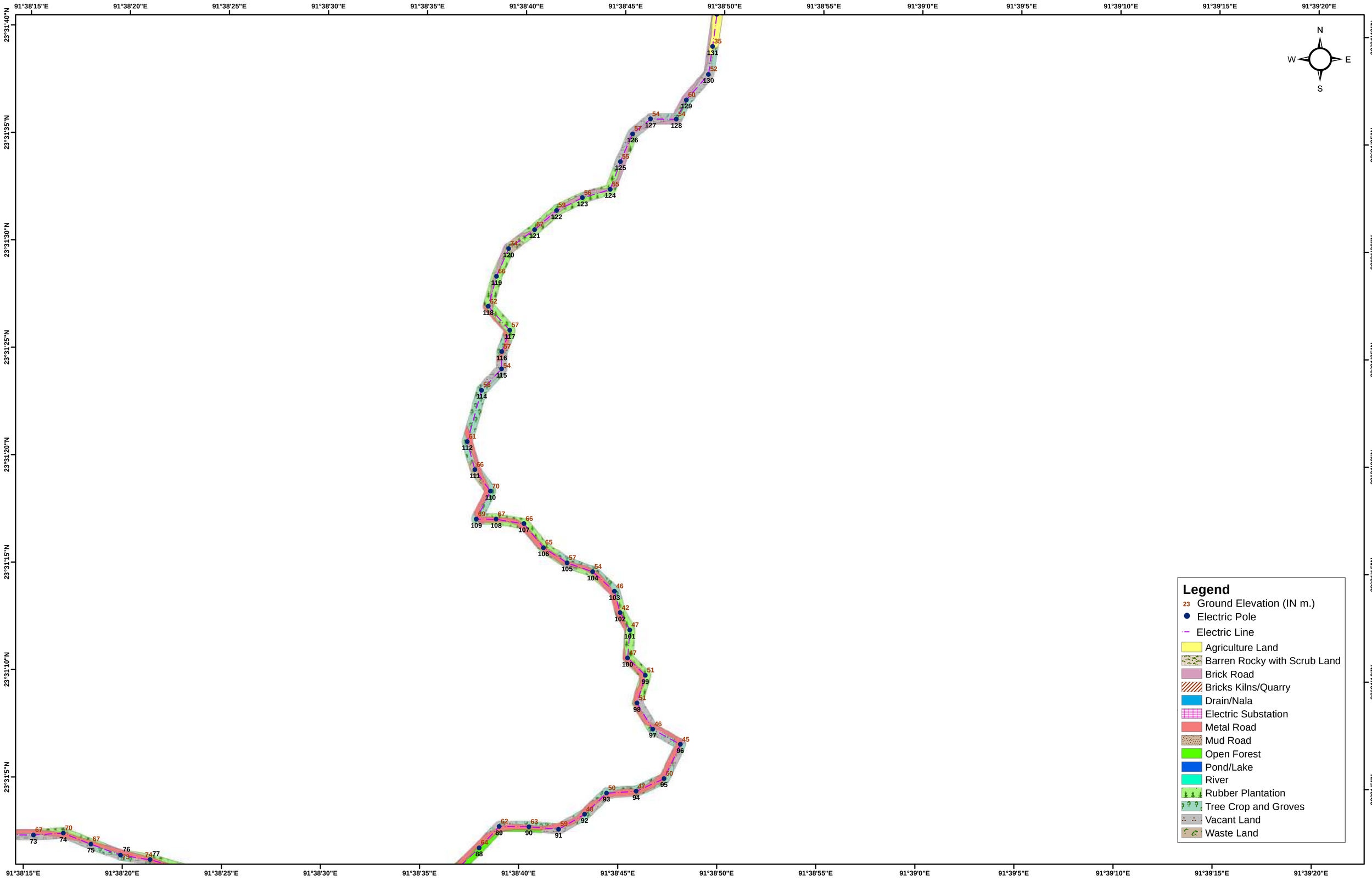

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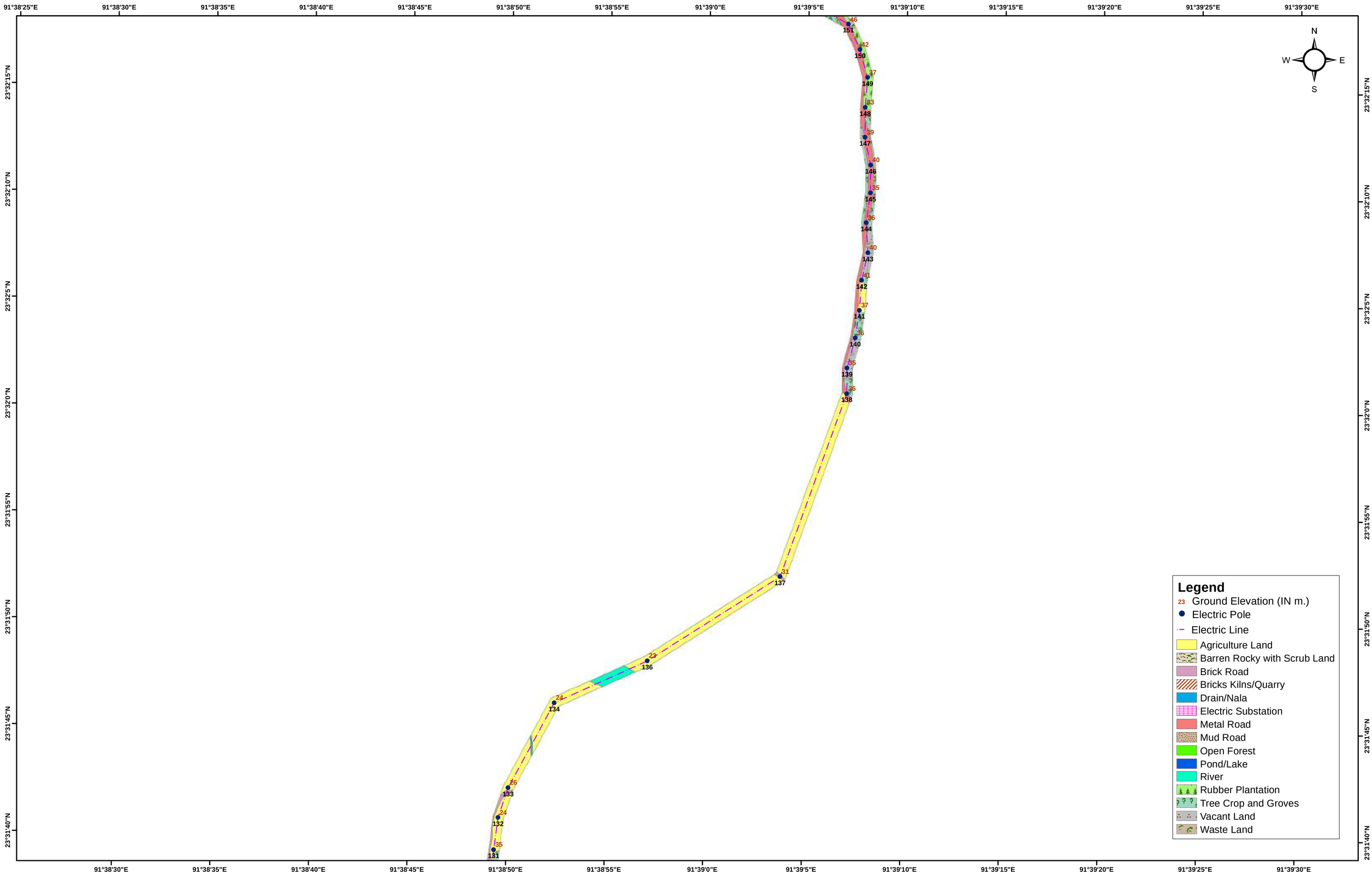

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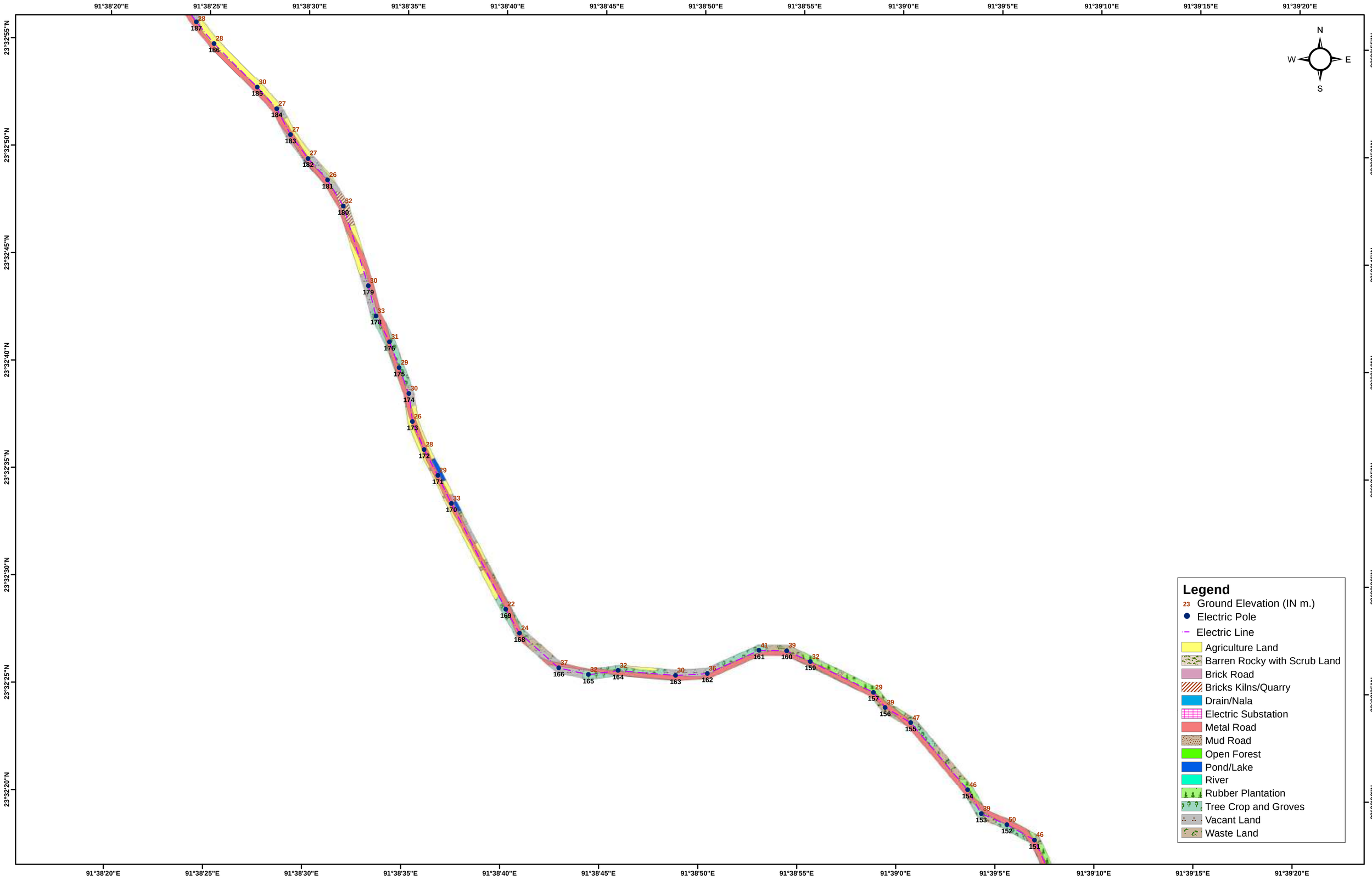

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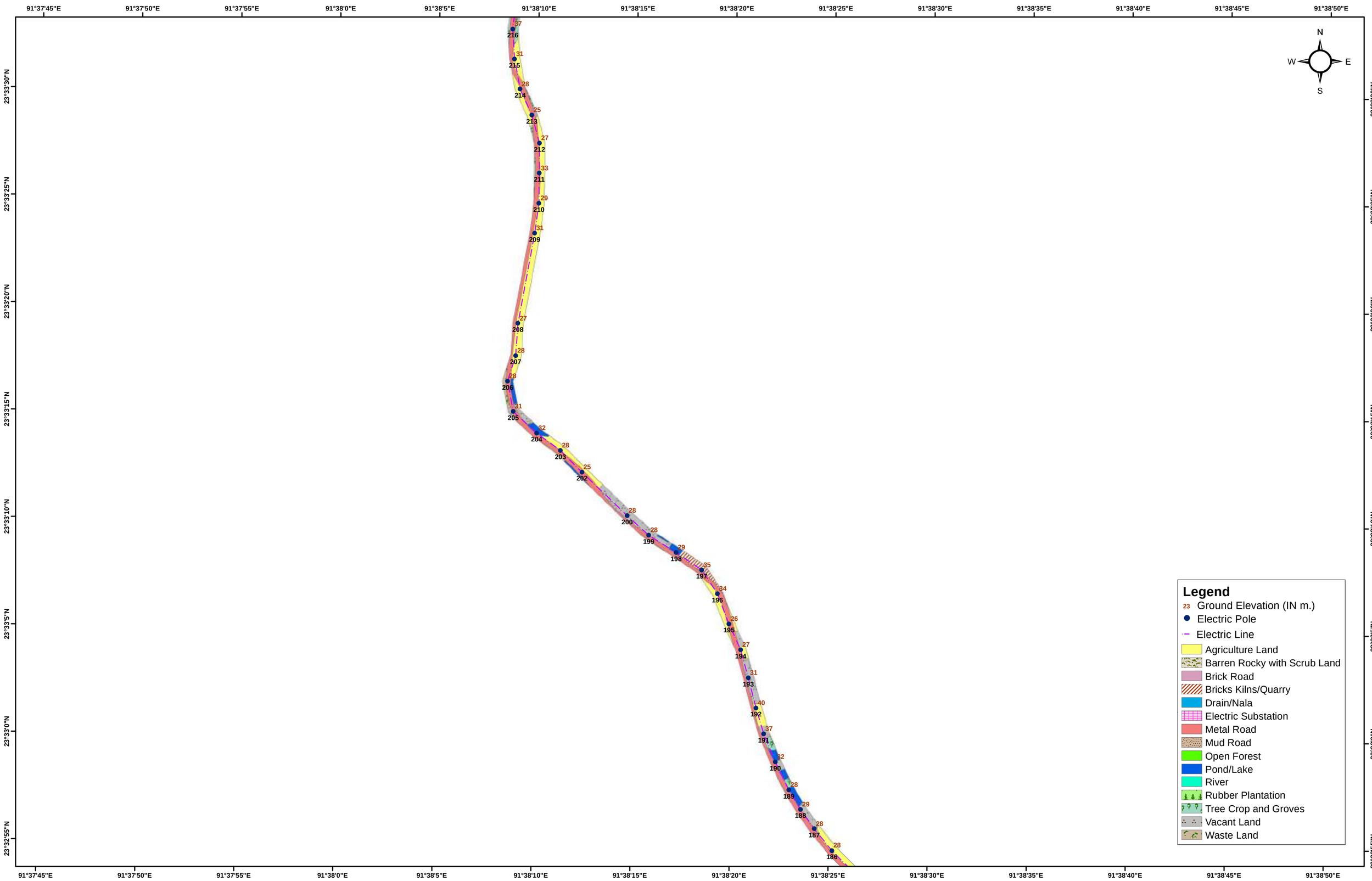

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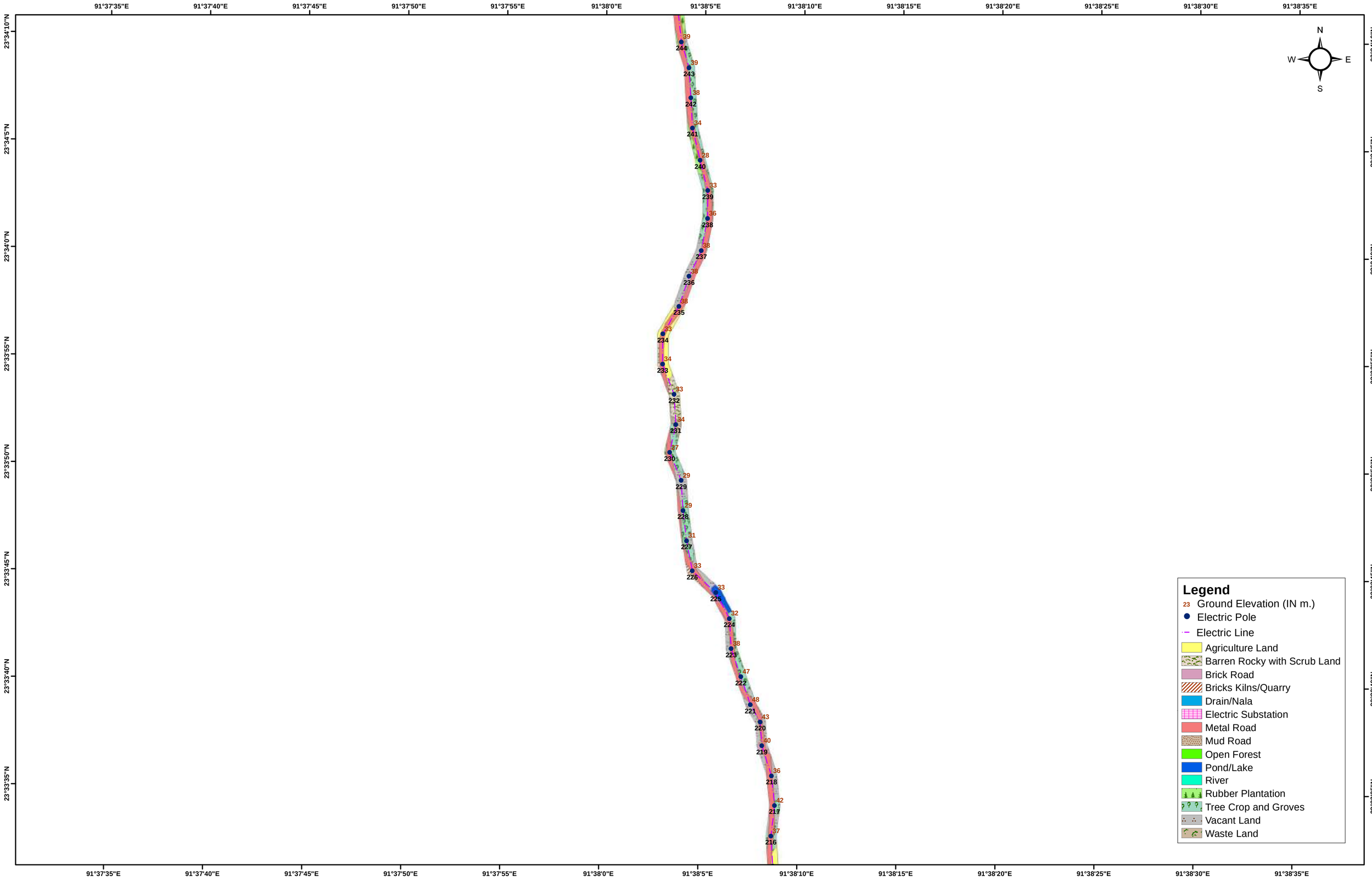

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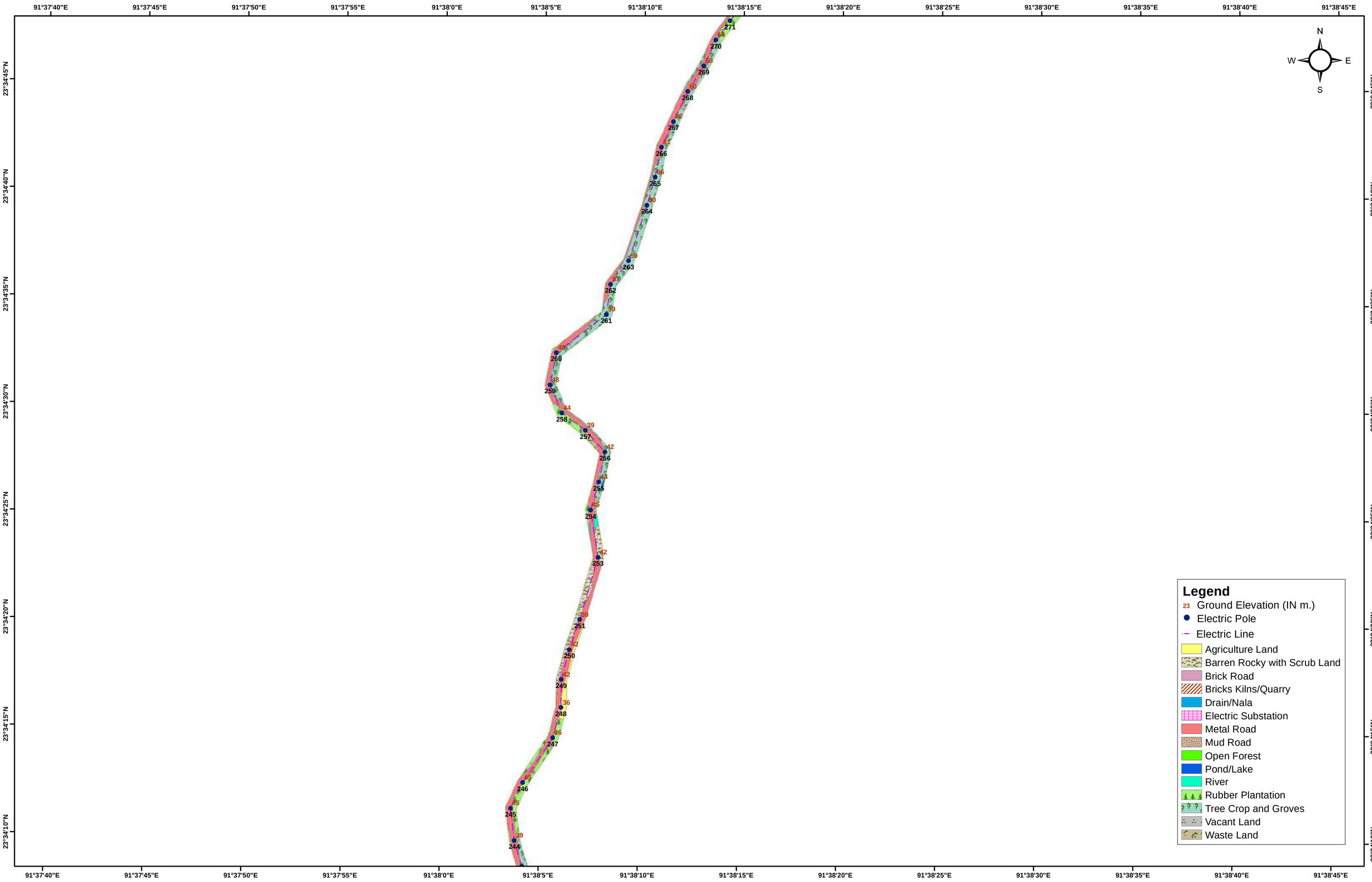

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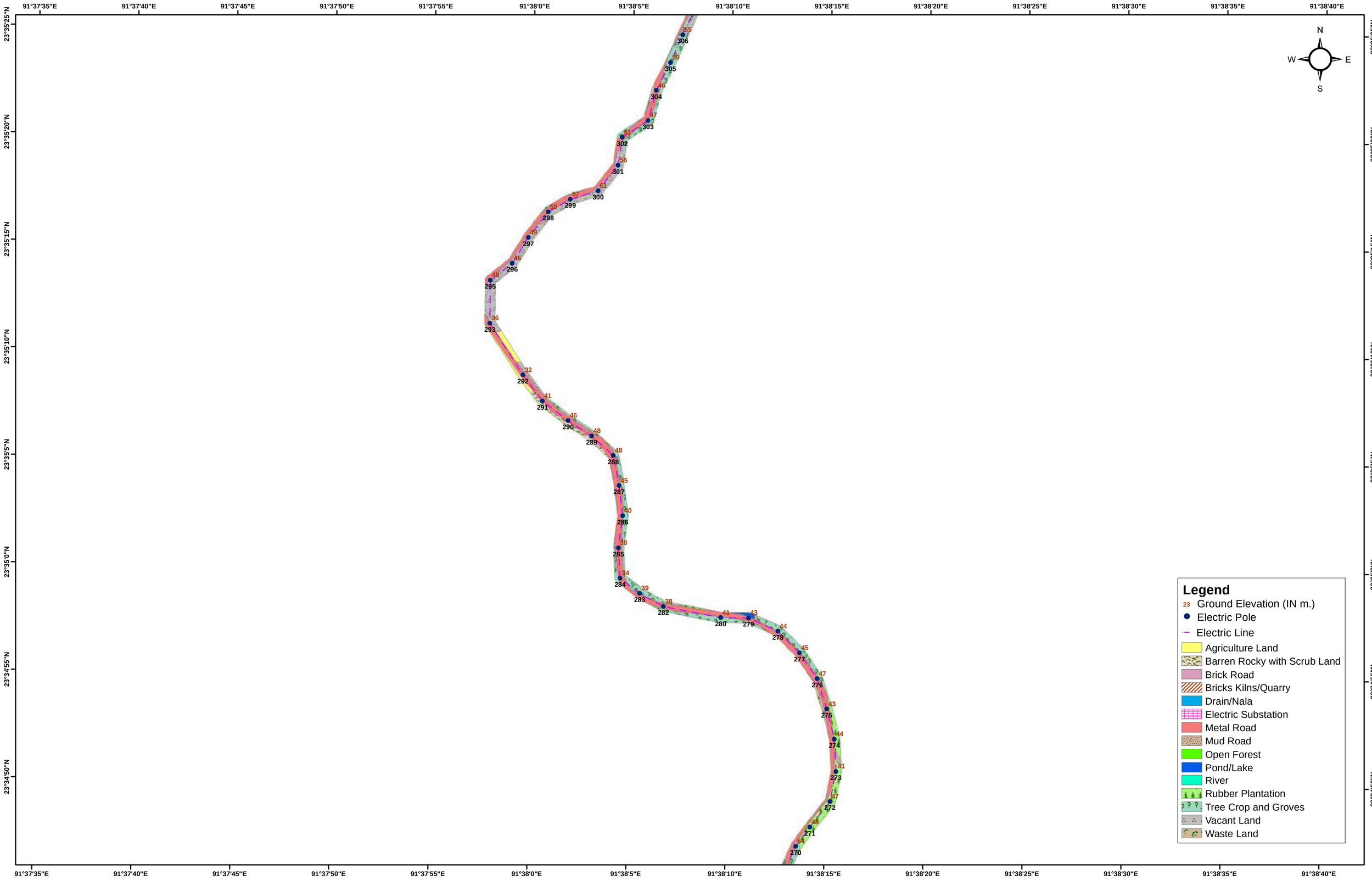

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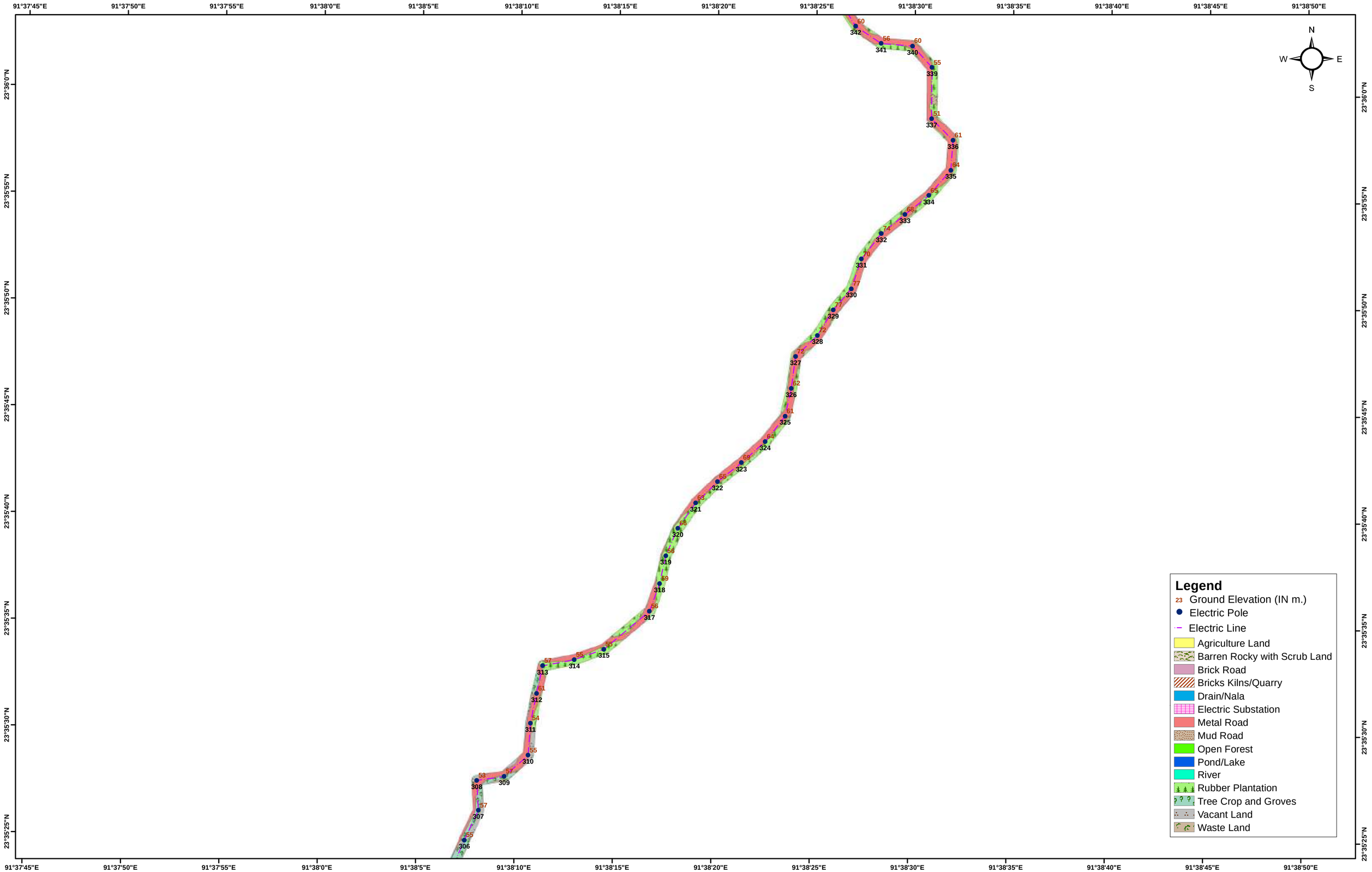

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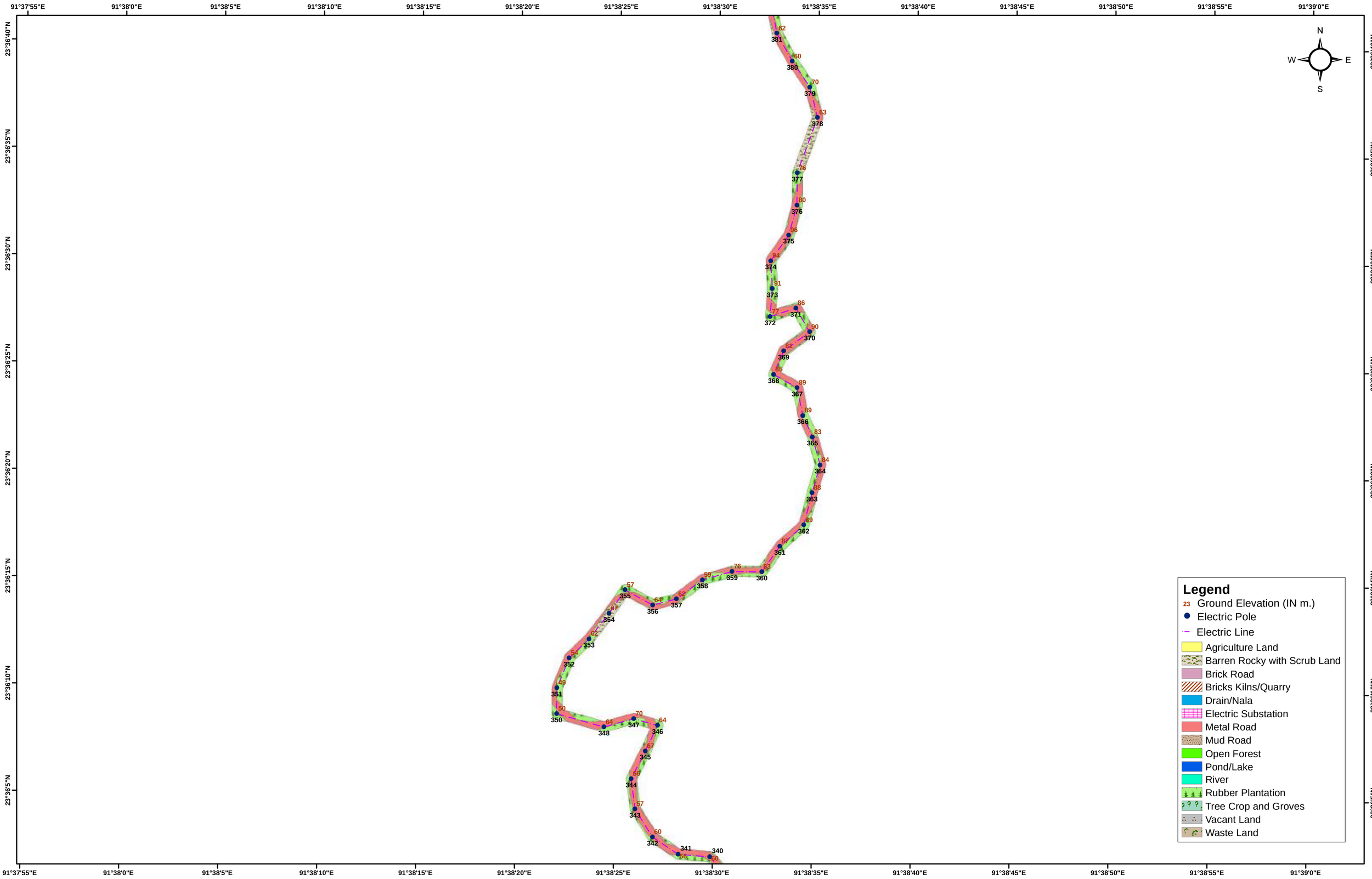

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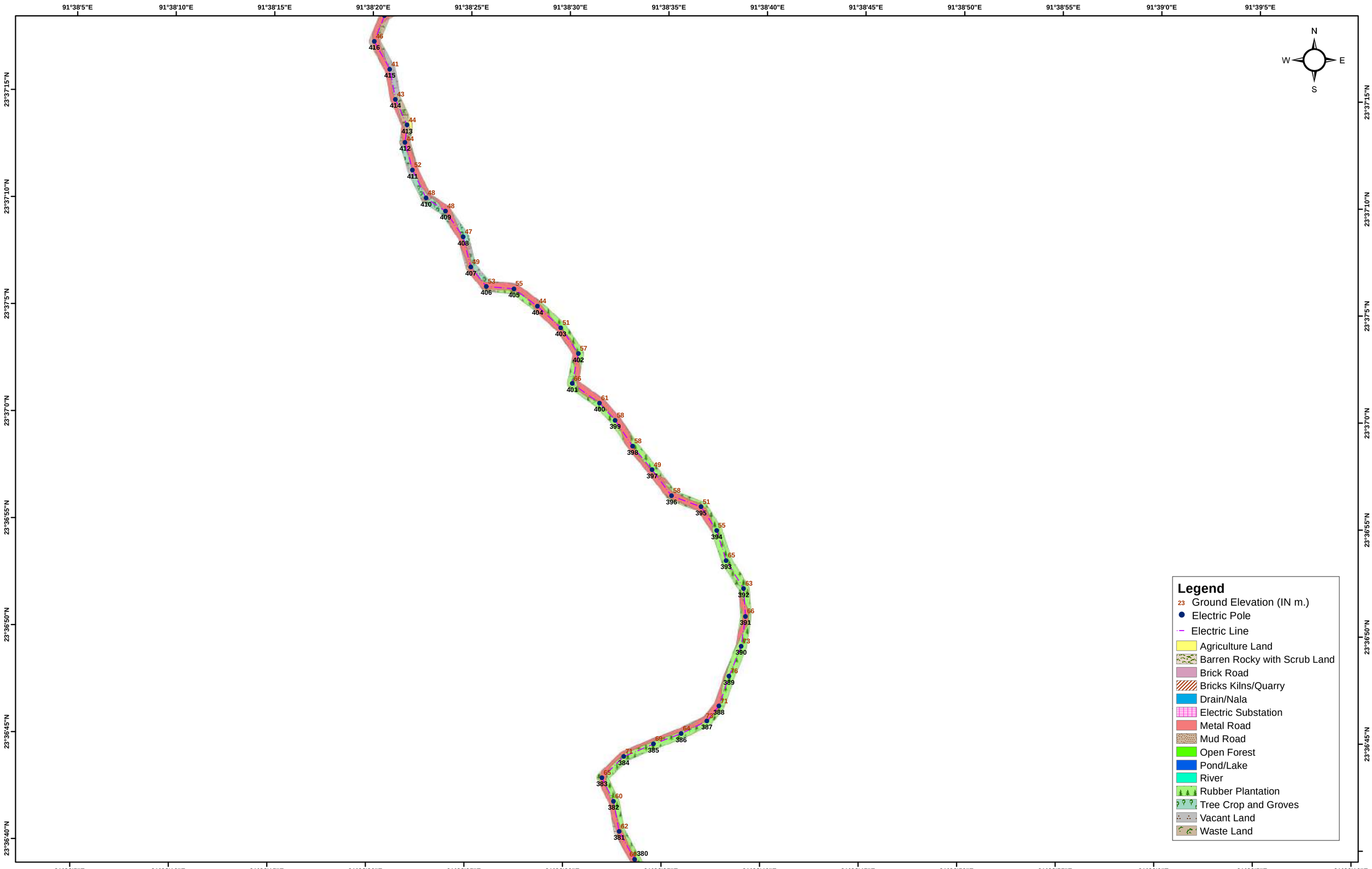
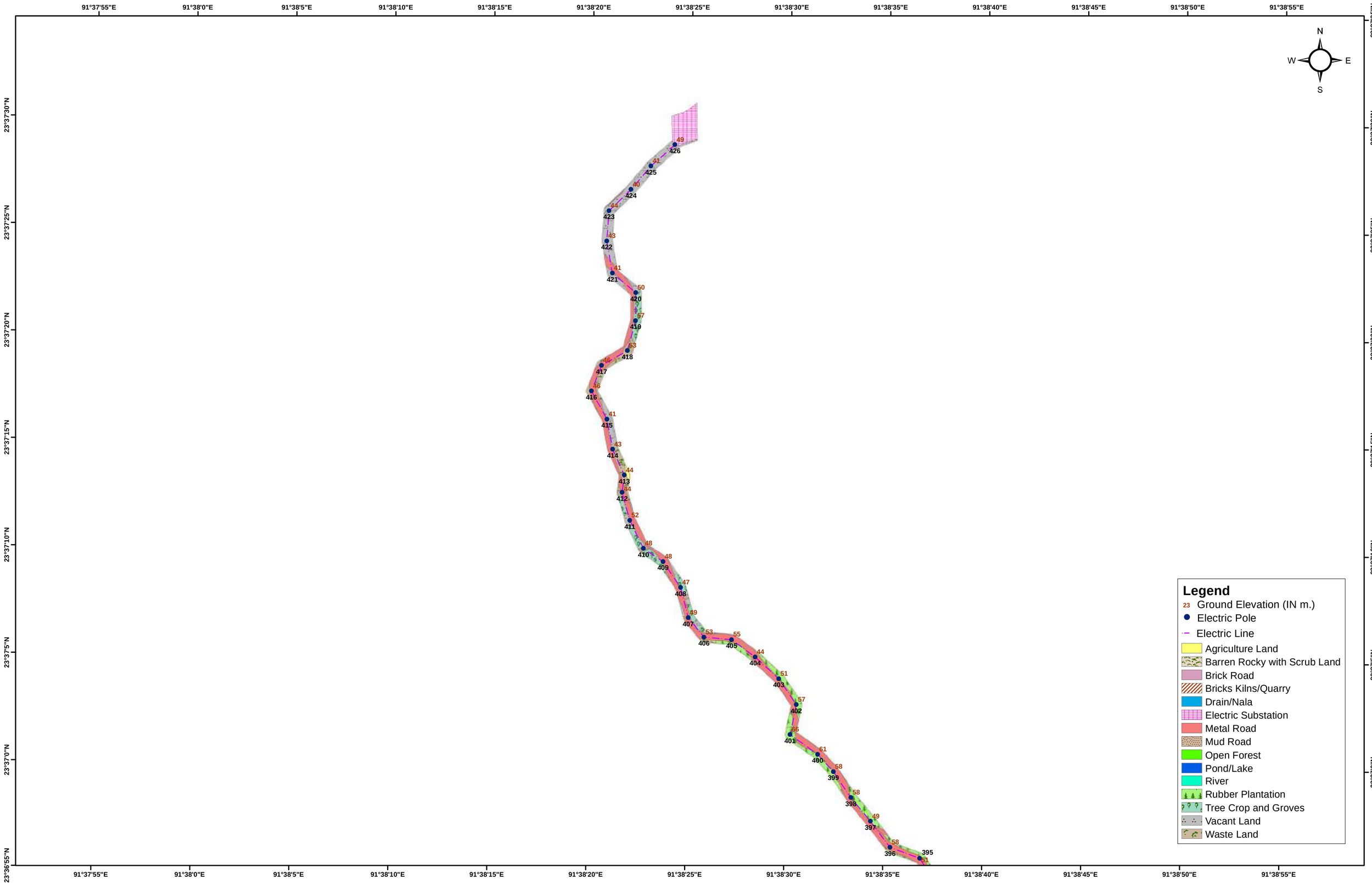
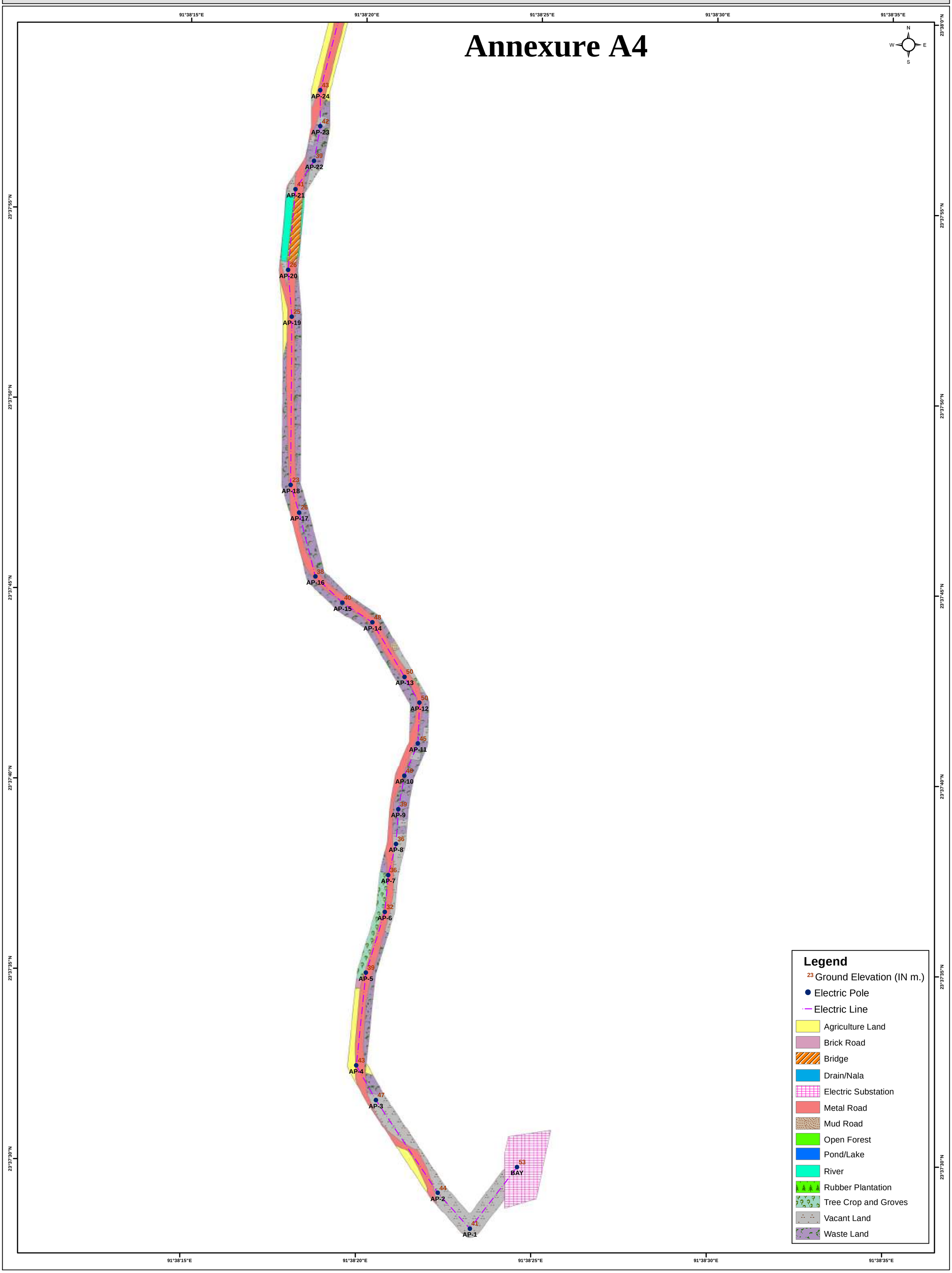
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



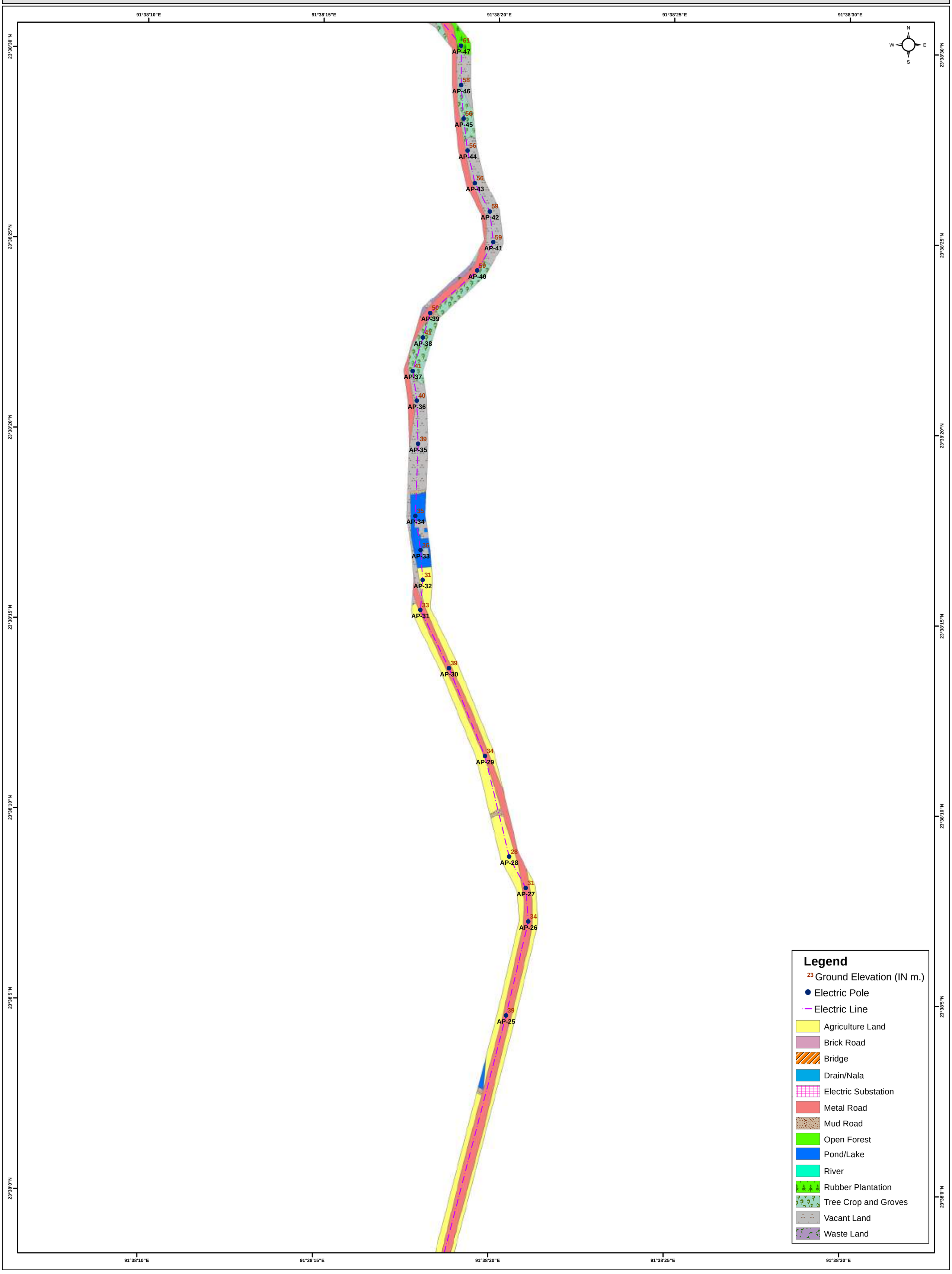
LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV AMARPUR S/S TO PROPOSED 33/11 KV CHECHUA S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



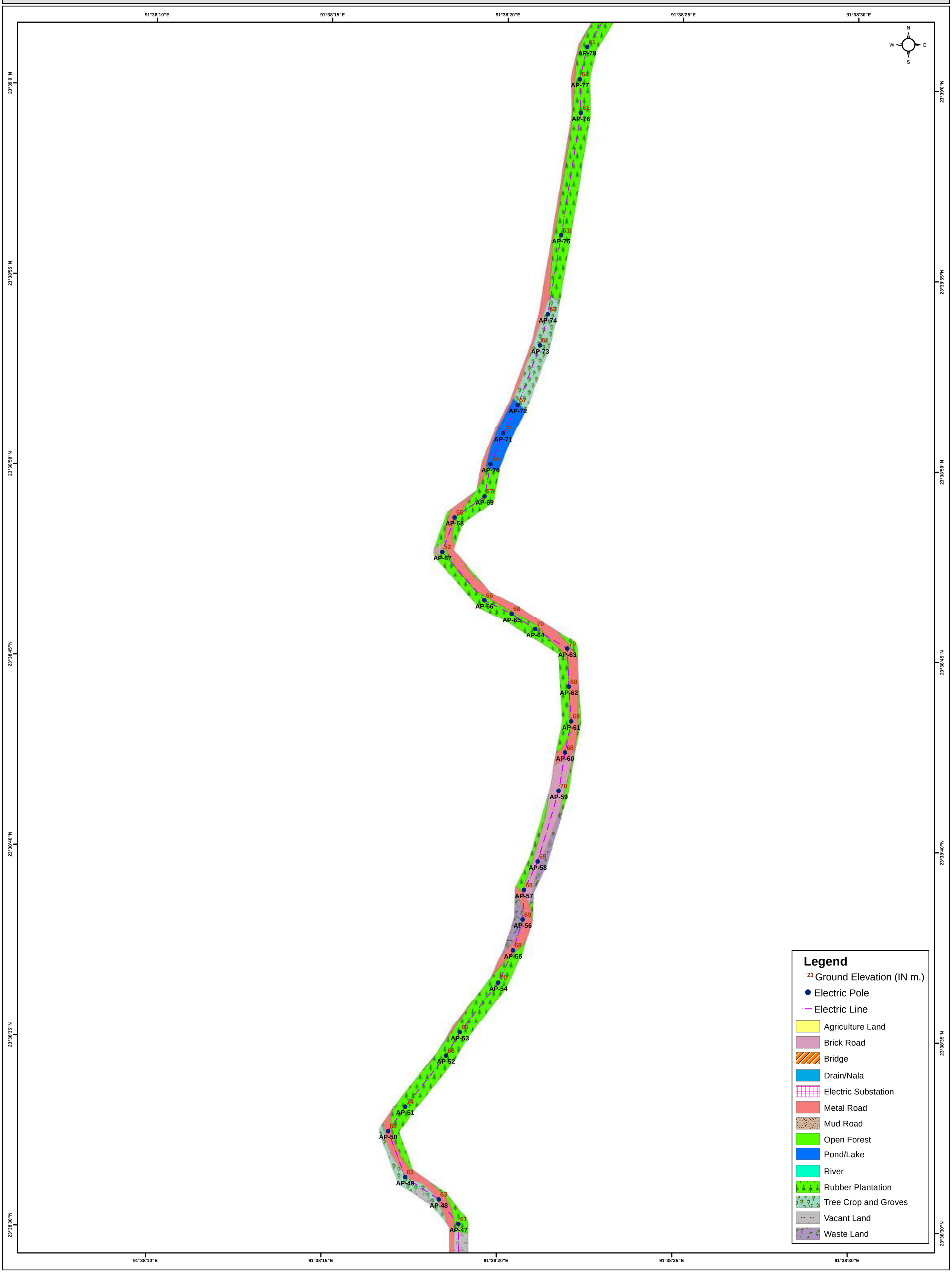
LAND USE/LAND COVER DETAILS OF CHECHUA S/S TO TAIDU S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



LAND USE/LAND COVER DETAILS OF CHECHUA S/S TO TAIDU S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



LAND USE/LAND COVER DETAILS OF CHECHUA S/S TO TAIDU S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



LAND USE/LAND COVER DETAILS OF CHECHUA S/S TO TAIDU S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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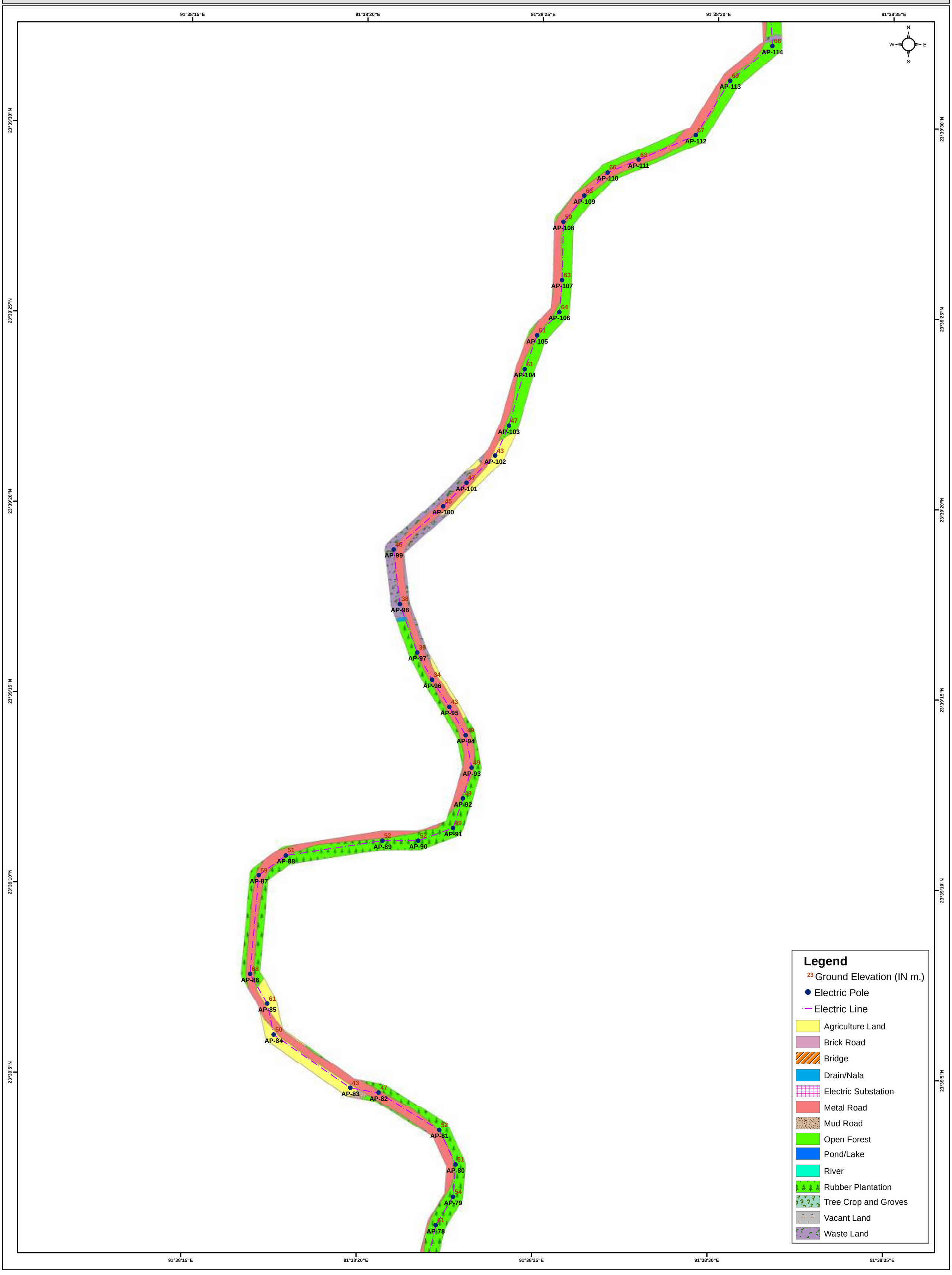

LAND USE/LAND COVER DETAILS OF CHECHUA S/S TO TAIDU S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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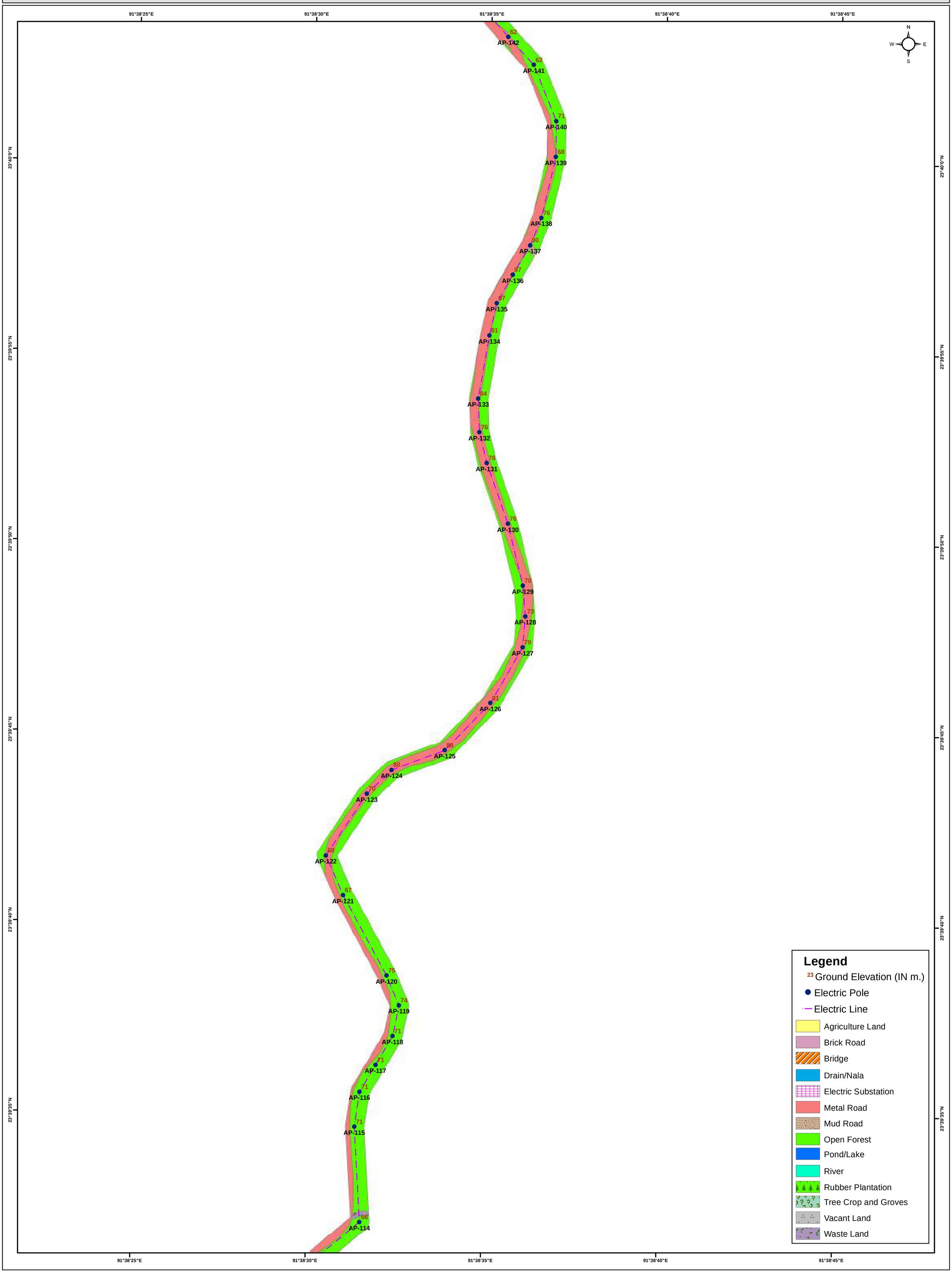

LAND USE/LAND COVER DETAILS OF CHECHUA S/S TO TAIDU S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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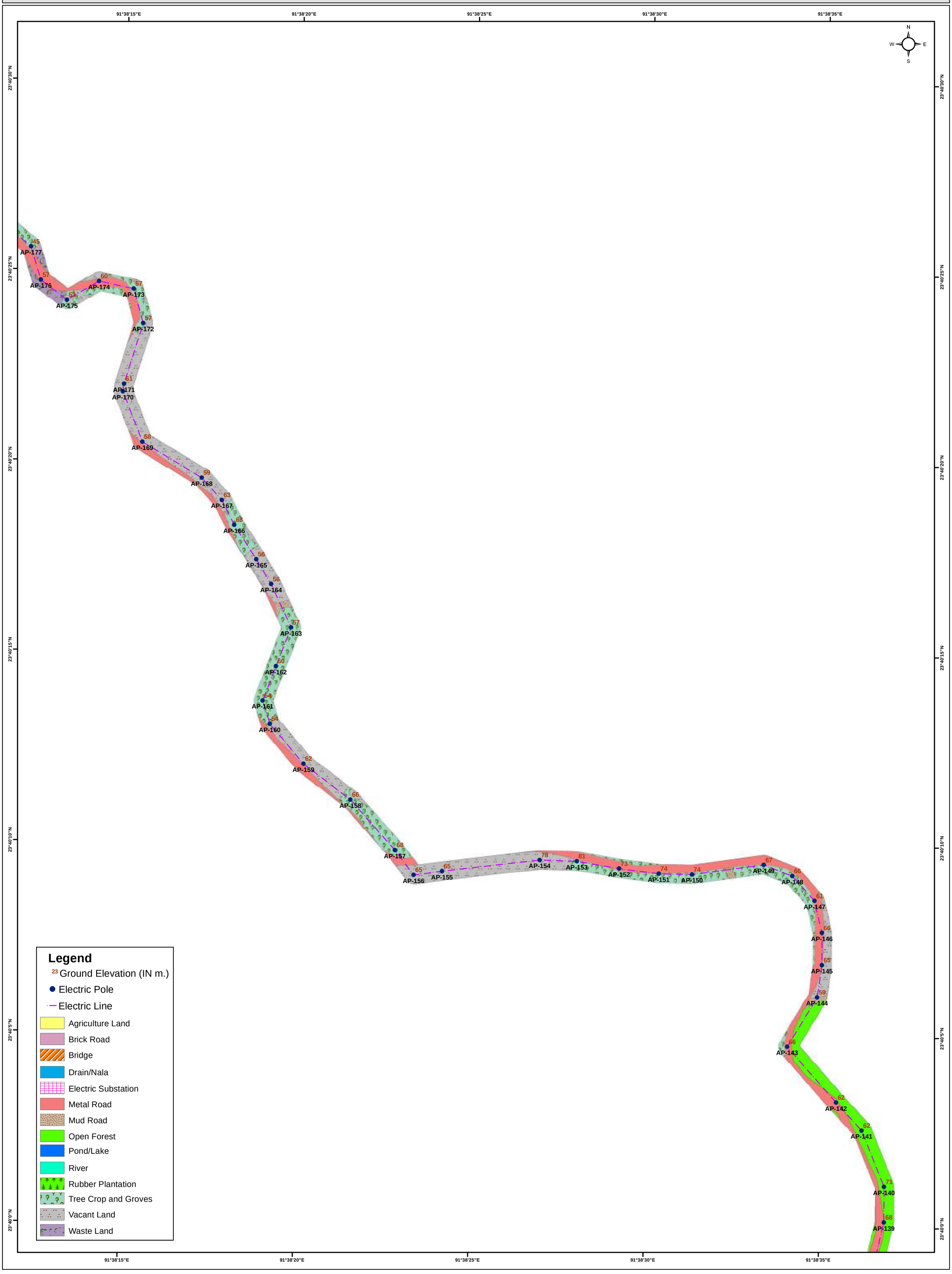

LAND USE/LAND COVER DETAILS OF CHECHUA S/S TO TAIDU S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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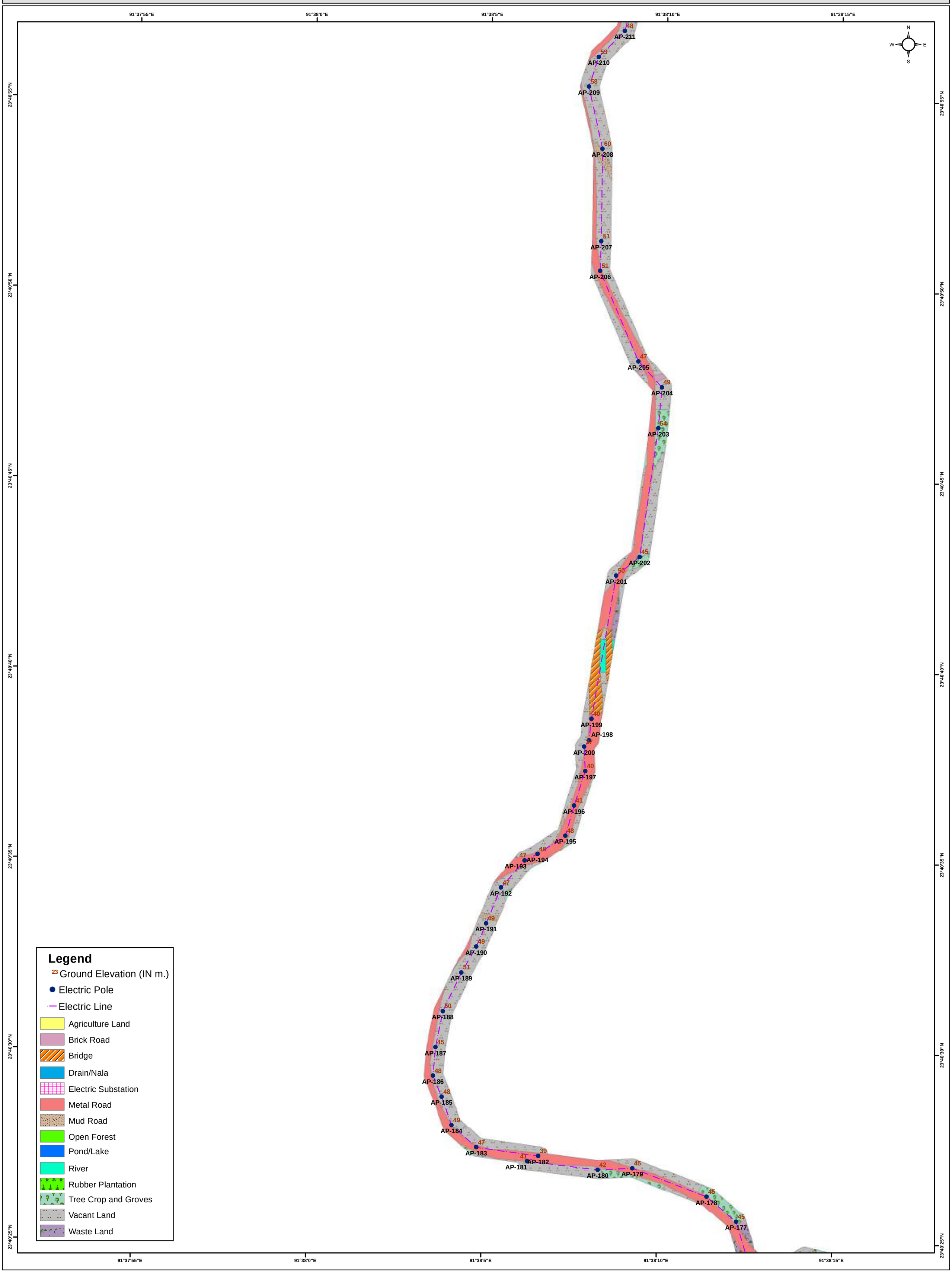

LAND USE/LAND COVER DETAILS OF CHECHUA S/S TO TAIDU S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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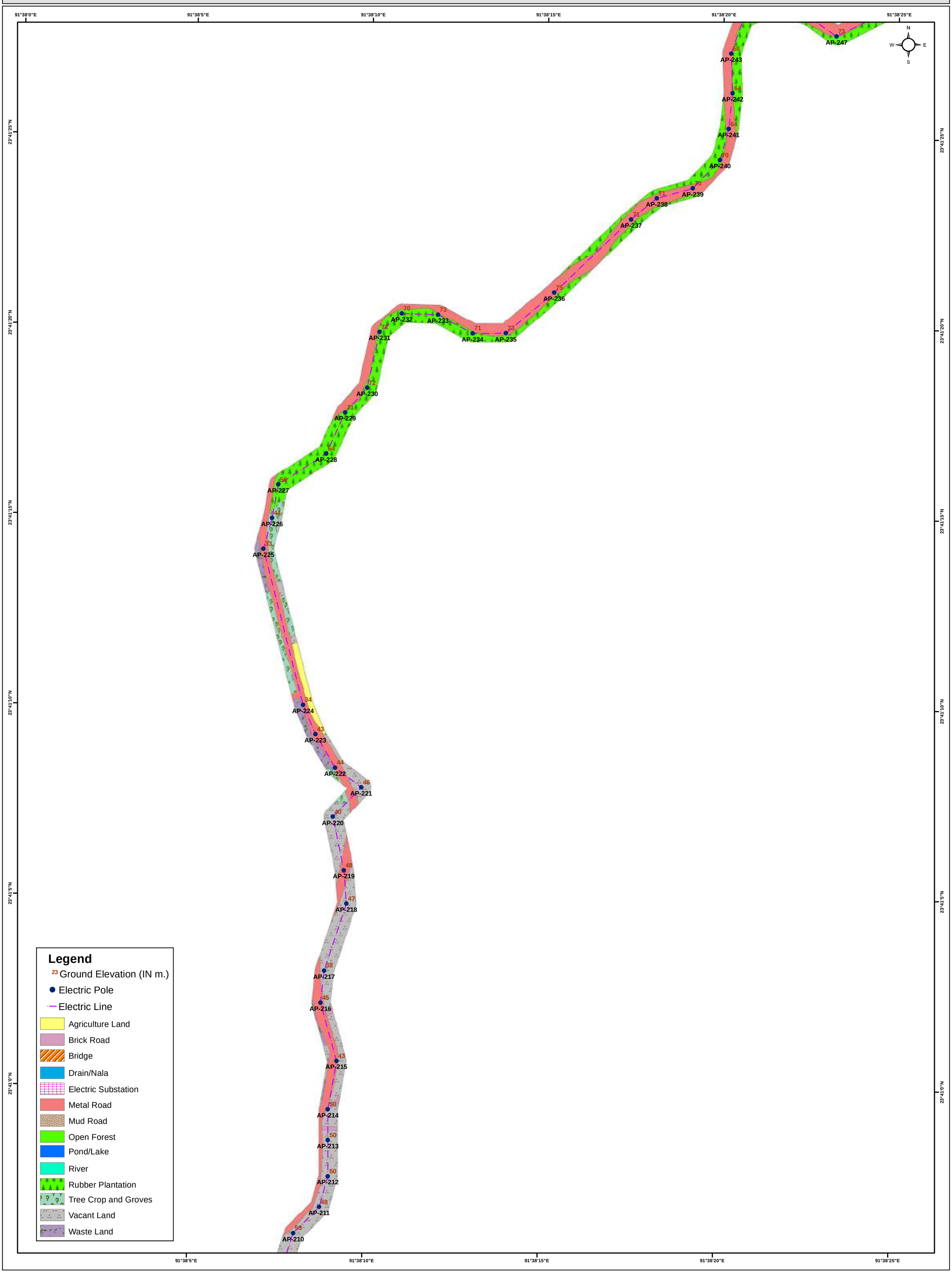

LAND USE/LAND COVER DETAILS OF CHECHUA S/S TO TAIDU S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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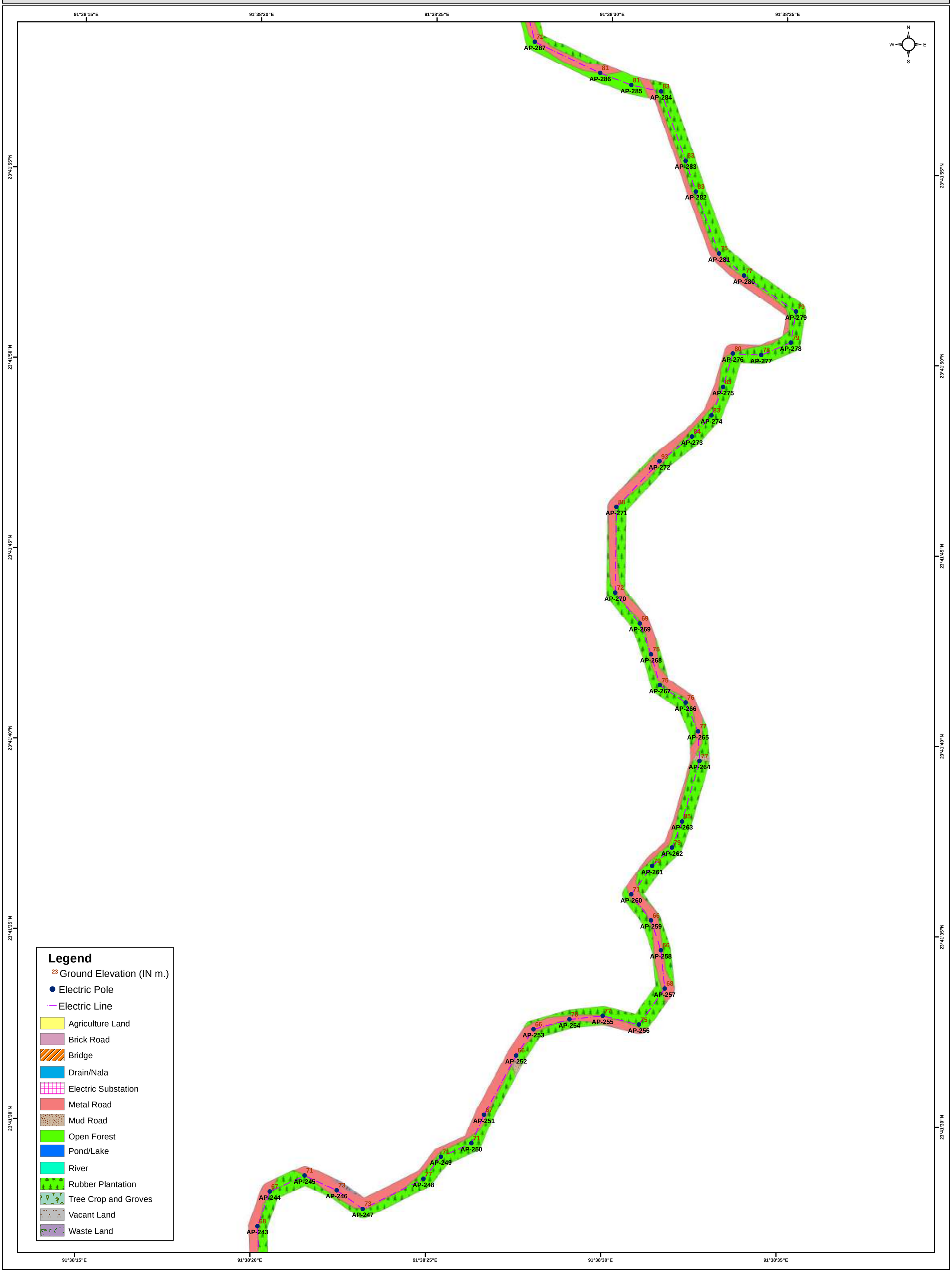

LAND USE/LAND COVER DETAILS OF CHECHUA S/S TO TAIDU S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,

LAND USE/LAND COVER DETAILS OF CHECHUA S/S TO TAIDU S/S
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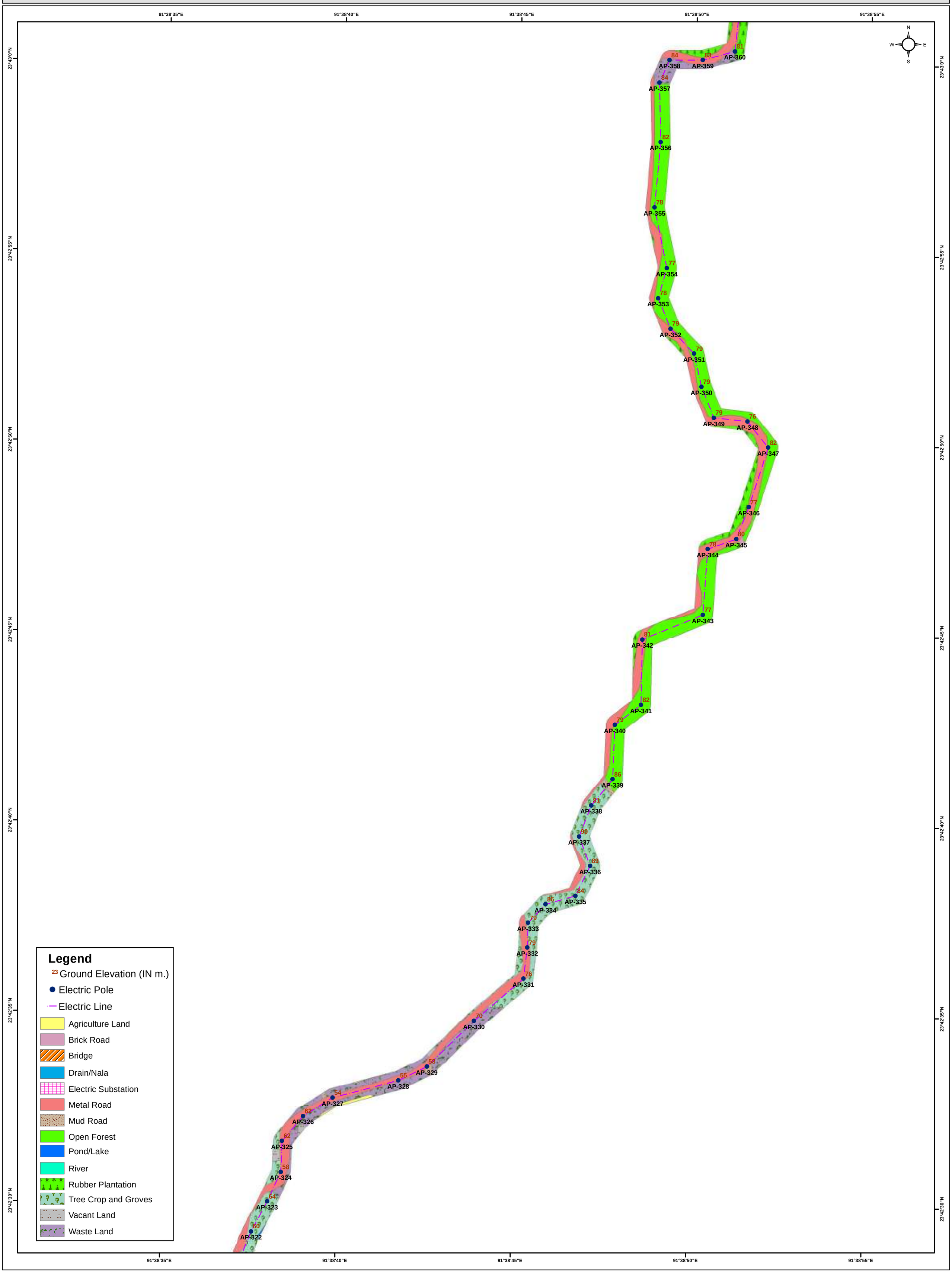

LAND USE/LAND COVER DETAILS OF CHECHUA S/S TO TAIDU S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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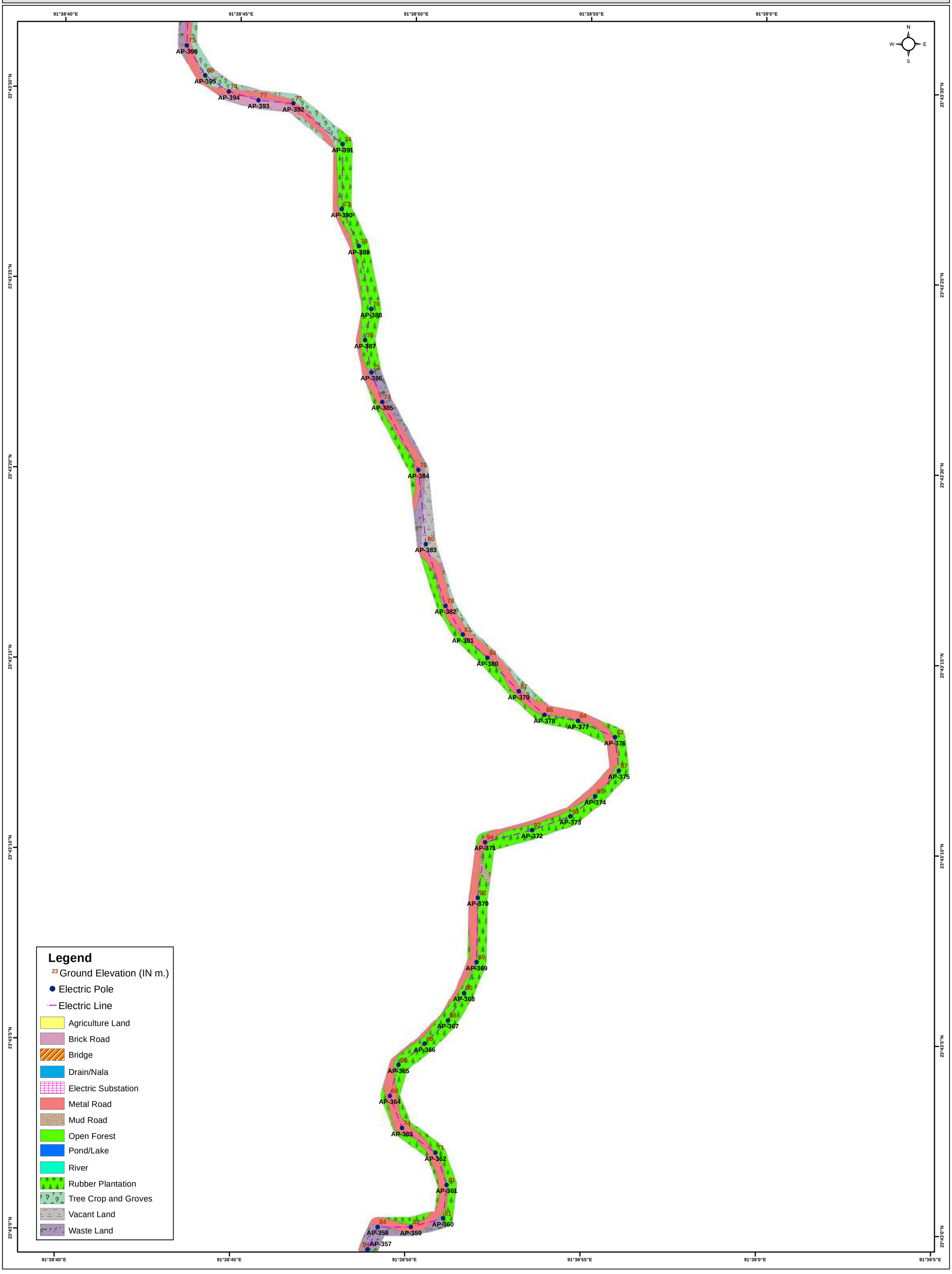
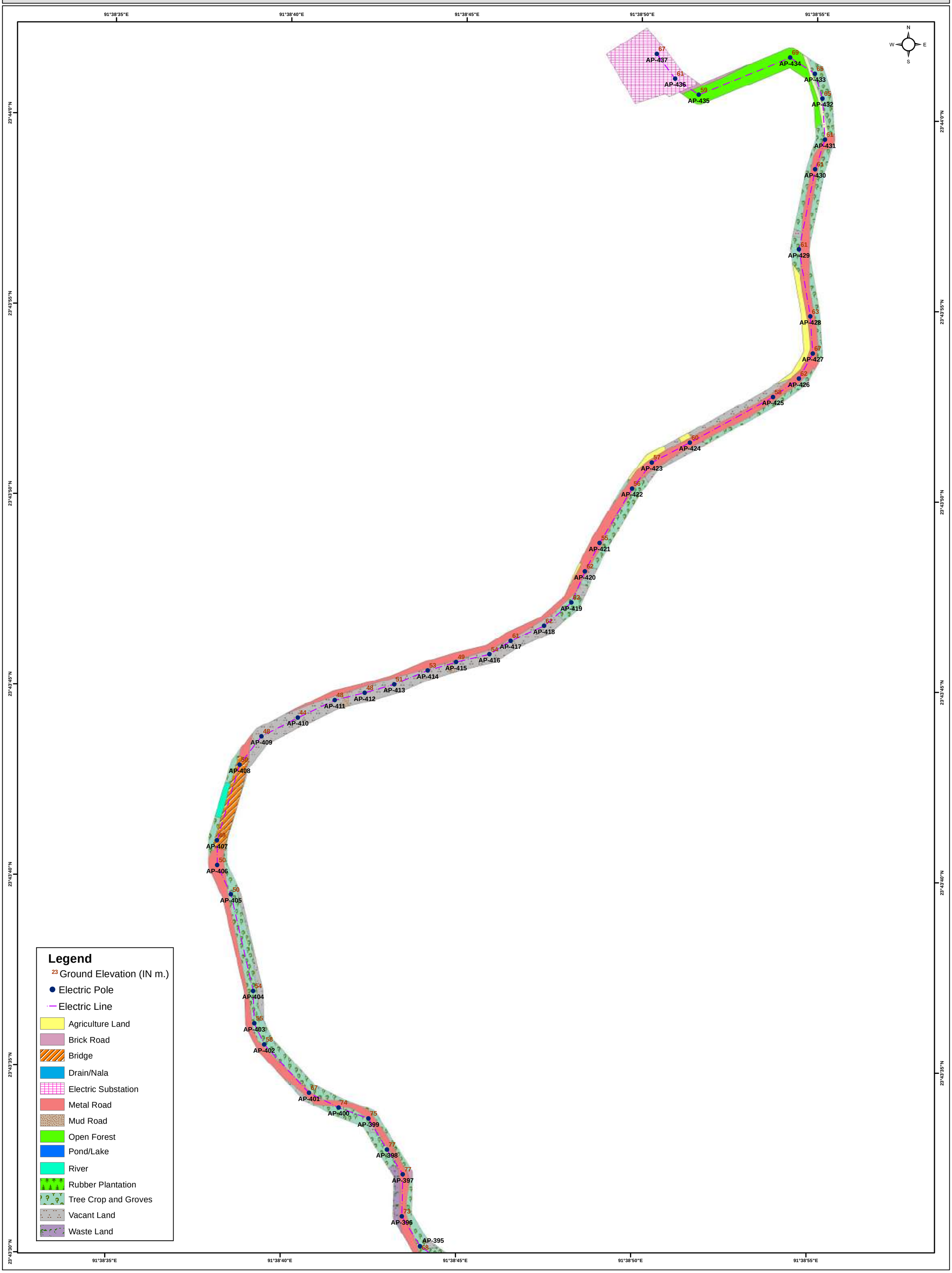
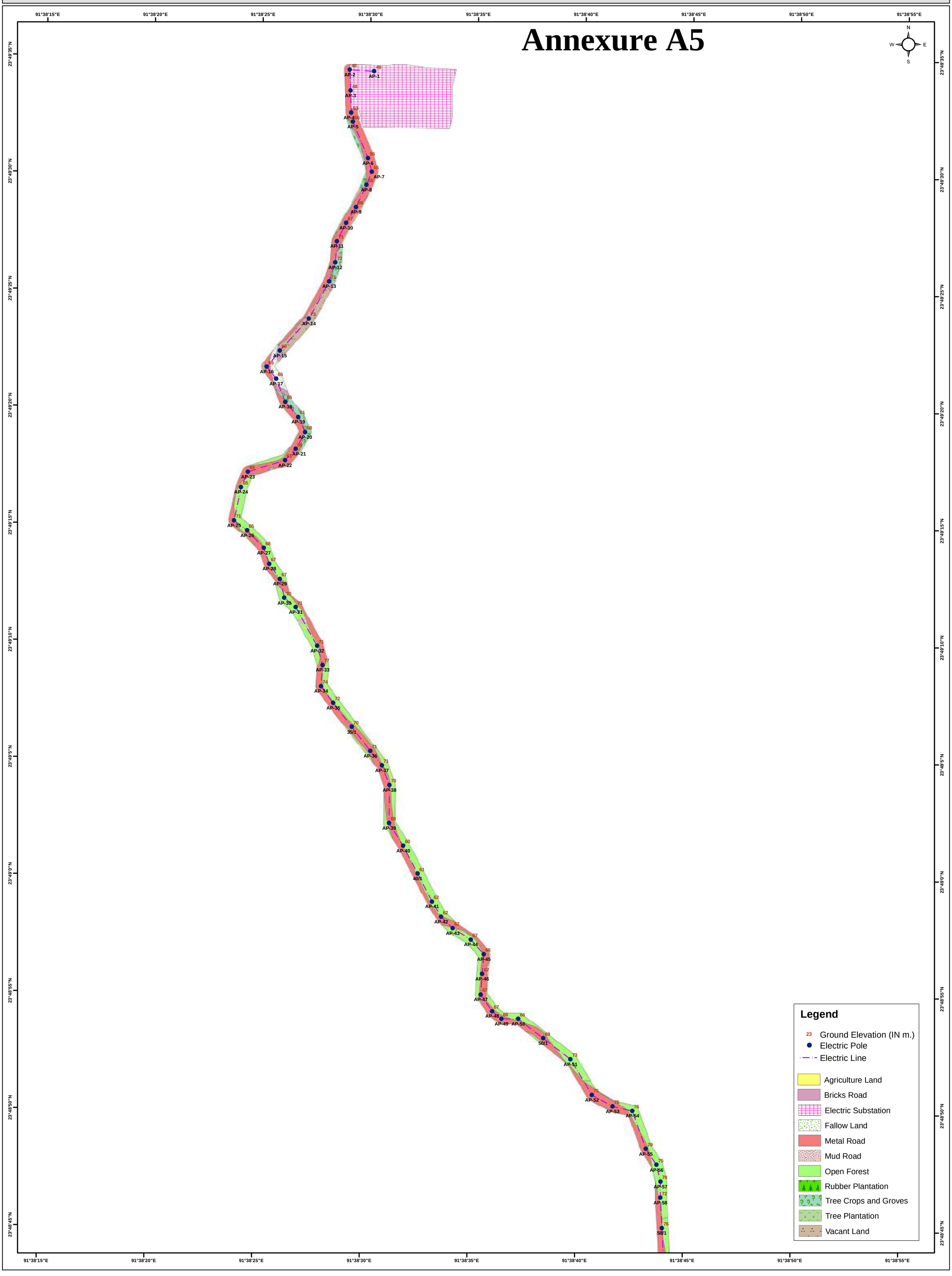


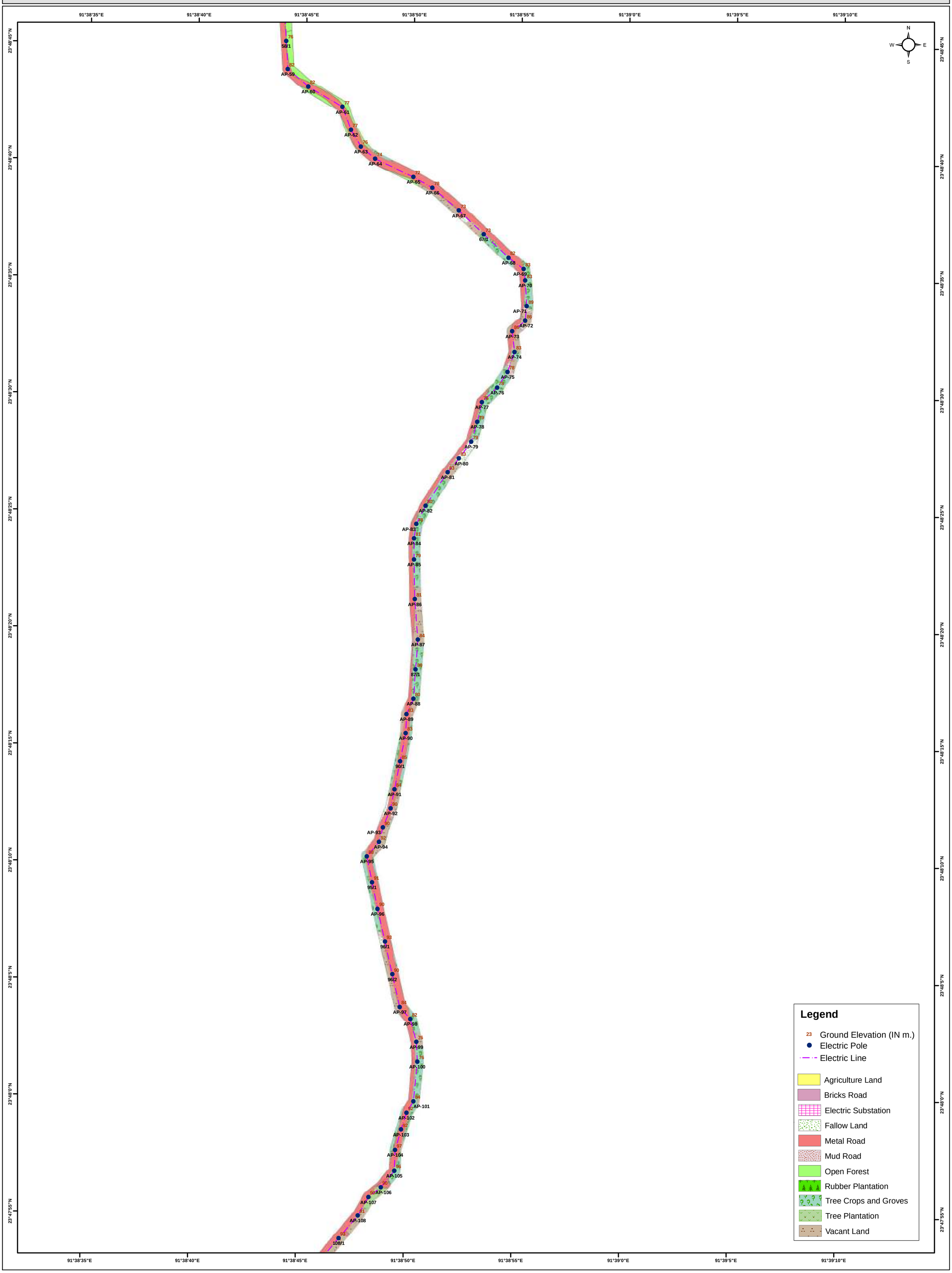
LAND USE/LAND COVER DETAILS OF CHECHUA S/S TO TAIDU S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



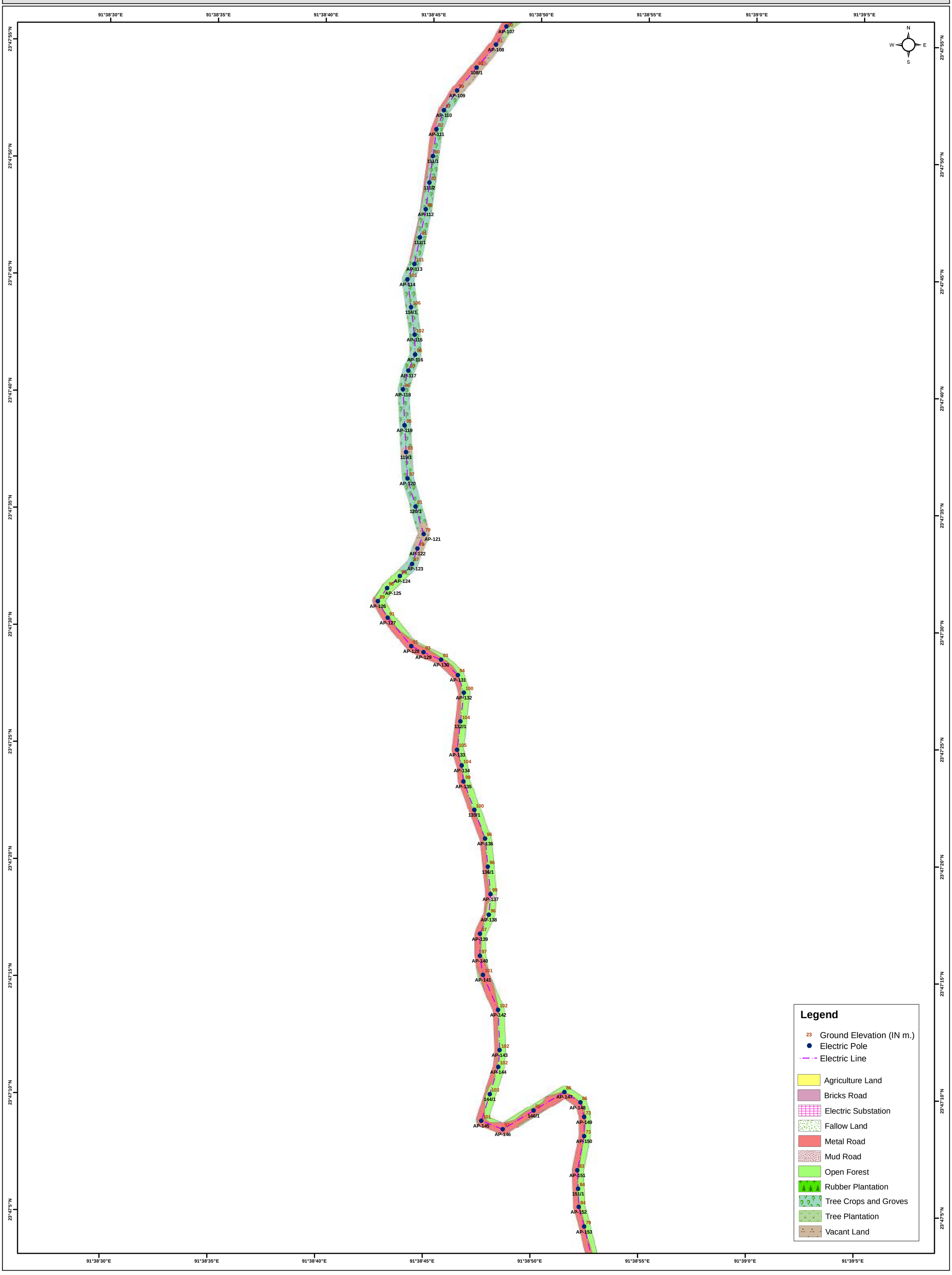
LAND USE/LAND COVER DETAILS OF TELIAMURA EXISTING 132/33 KV S/S TO TAIDU
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



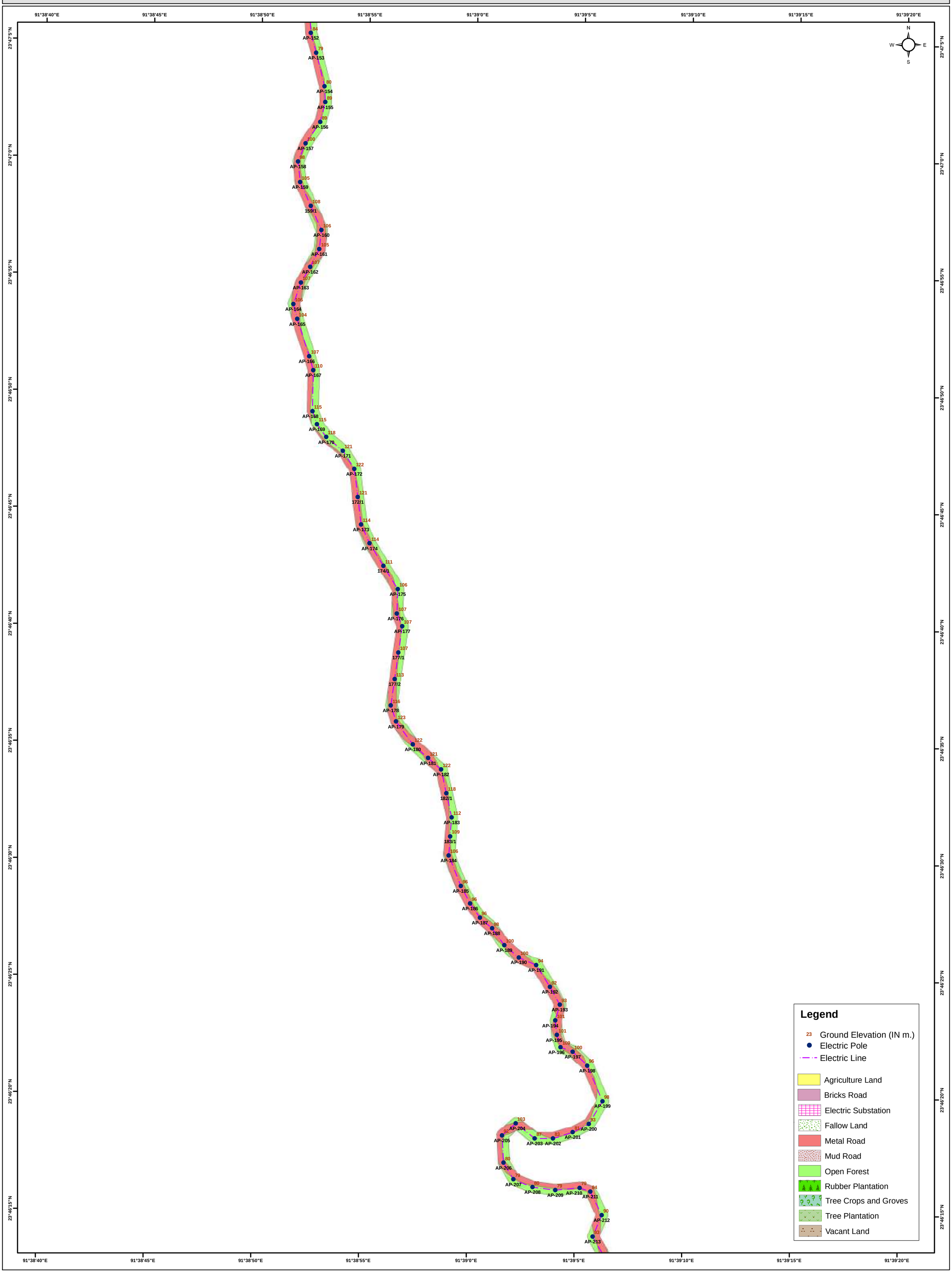
LAND USE/LAND COVER DETAILS OF TELIAMURA EXISTING 132/33 KV S/S TO TAIDU
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



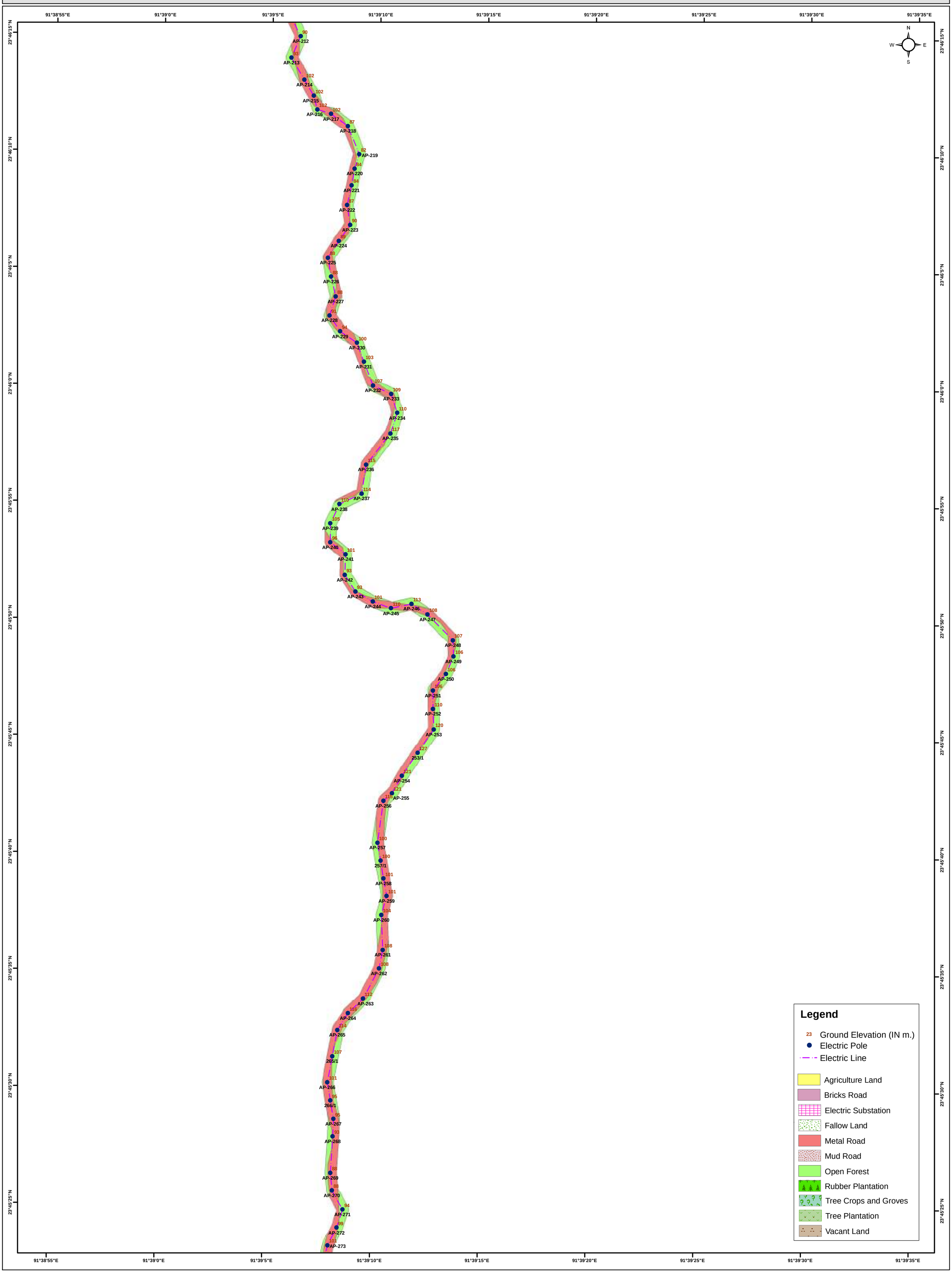
LAND USE/LAND COVER DETAILS OF TELIAMURA EXISTING 132/33 KV S/S TO TAIDU
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



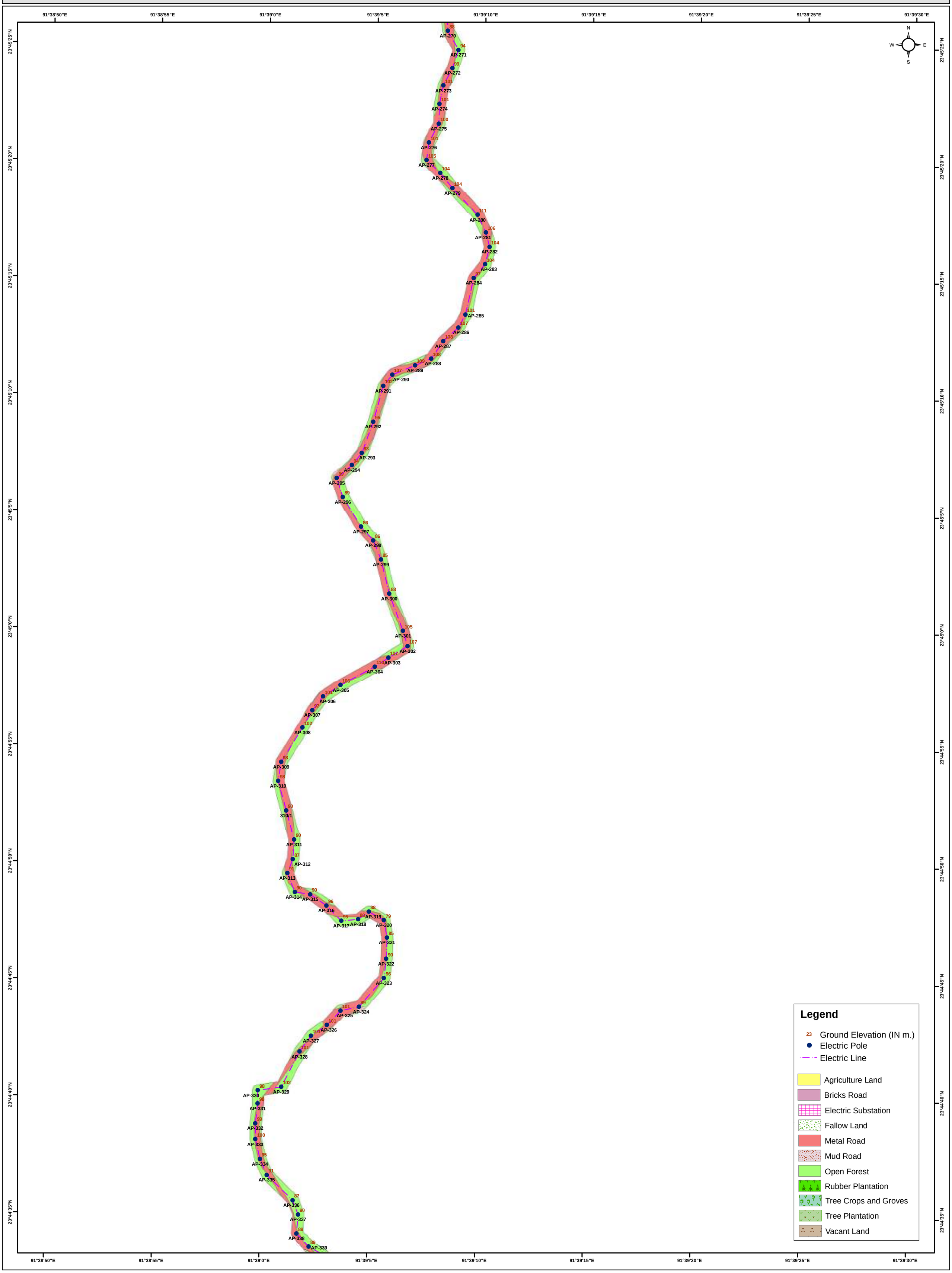
LAND USE/LAND COVER DETAILS OF TELIAMURA EXISTING 132/33 KV S/S TO TAIDU
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



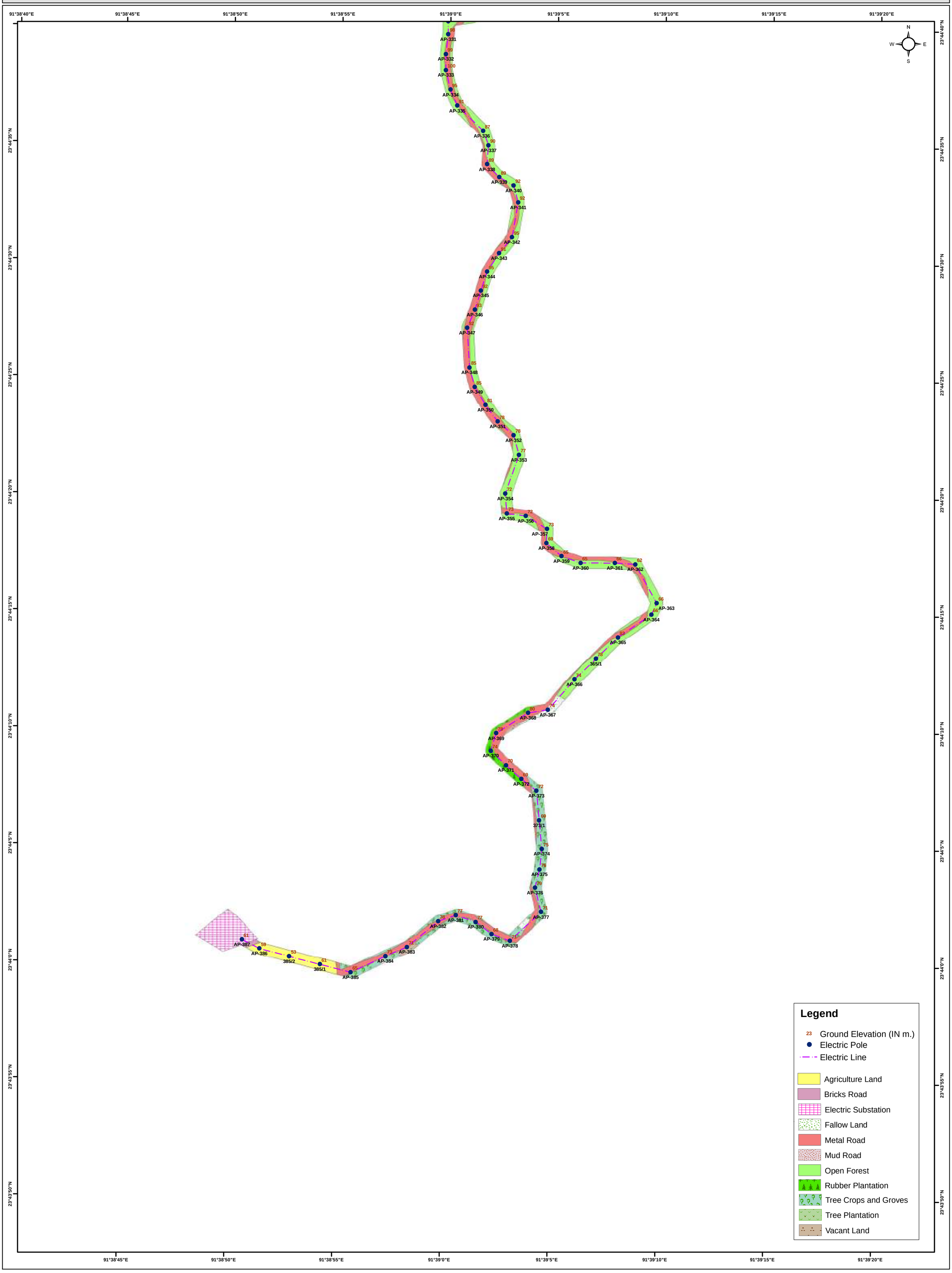
LAND USE/LAND COVER DETAILS OF TELIAMURA EXISTING 132/33 KV S/S TO TAIDU
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



LAND USE/LAND COVER DETAILS OF TELIAMURA EXISTING 132/33 KV S/S TO TAIDU
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,

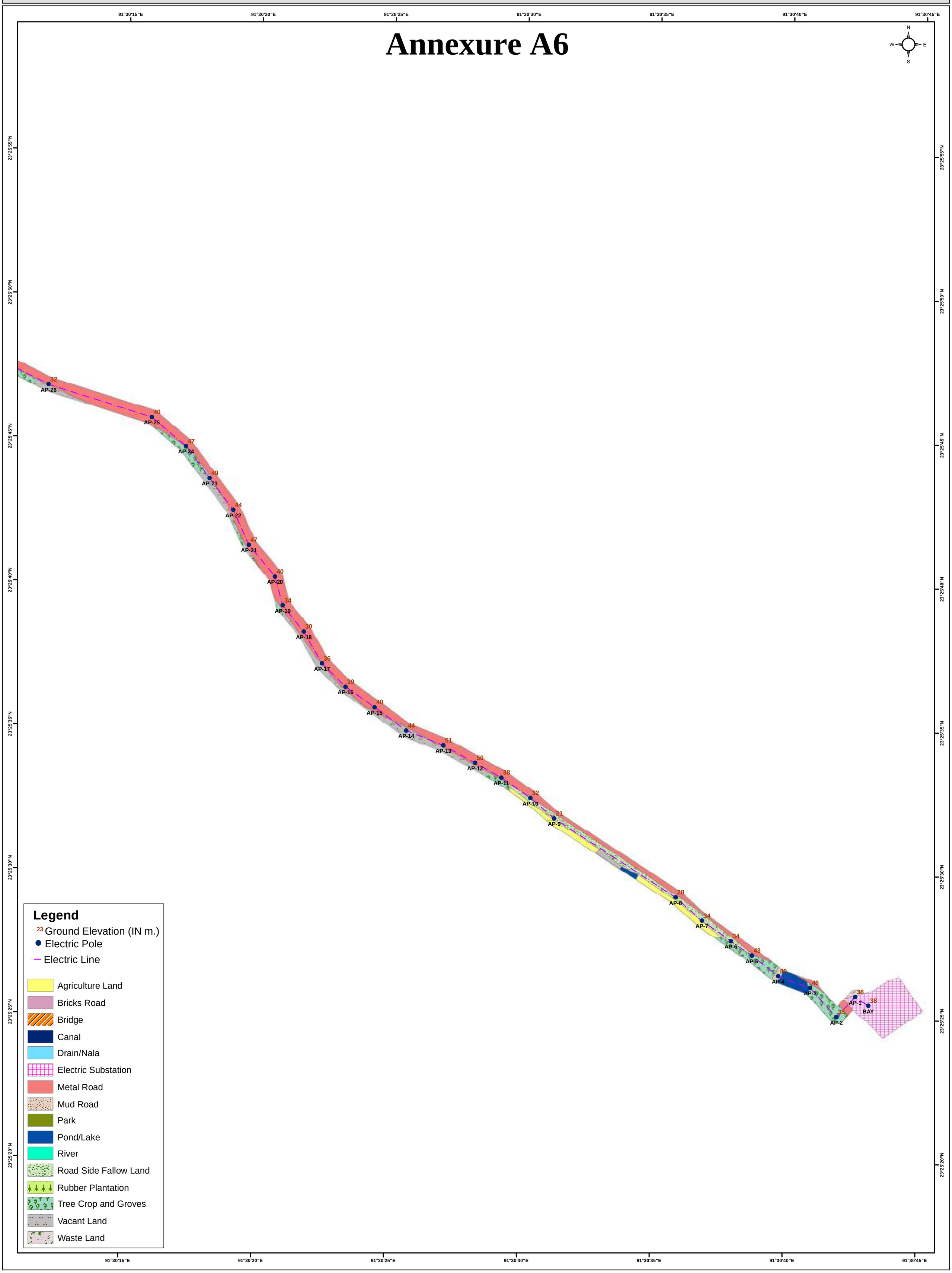


LAND USE/LAND COVER DETAILS OF TELIAMURA EXISTING 132/33 KV S/S TO TAIDU
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,

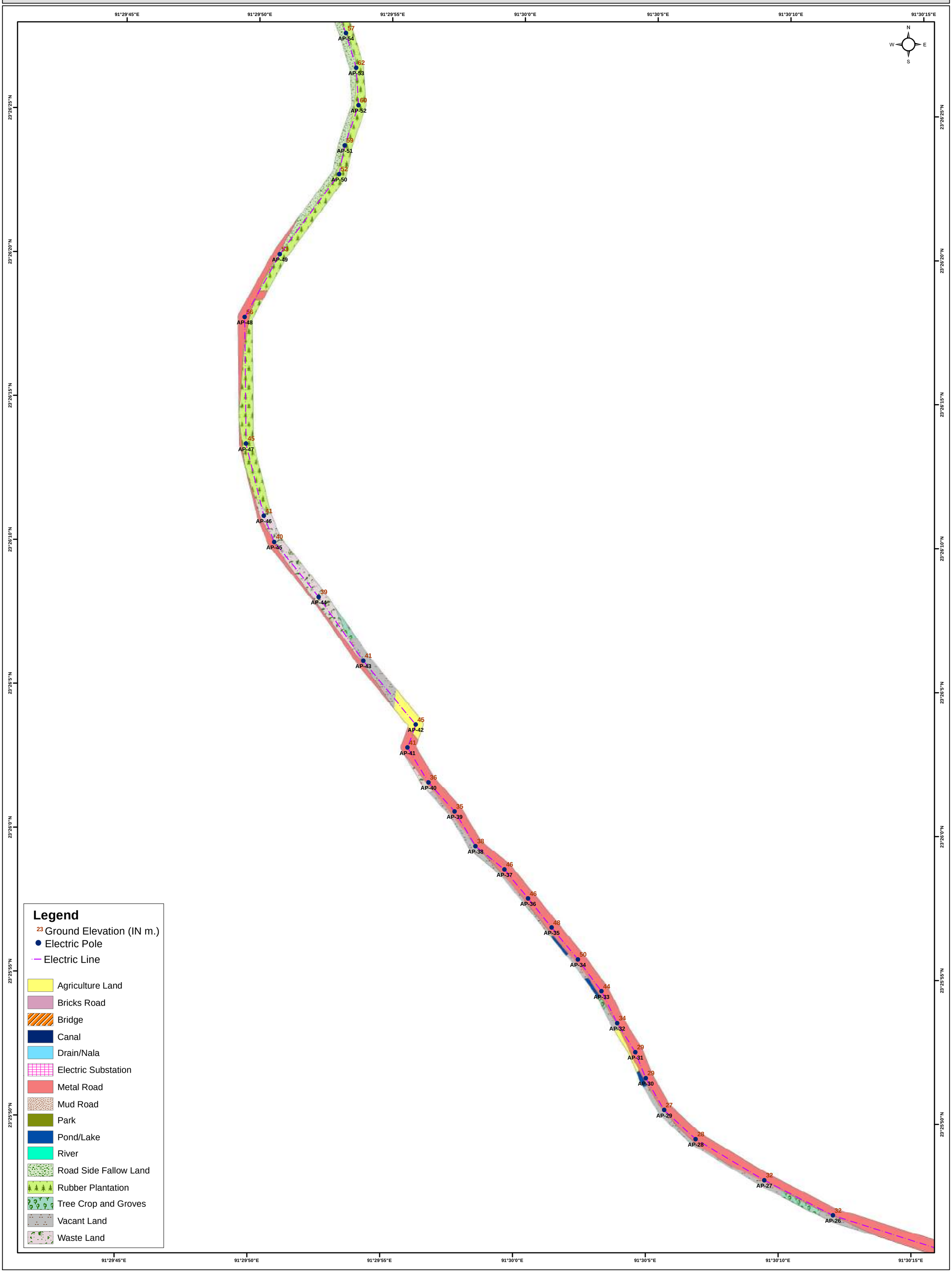


LAND USE/LAND COVER DETAILS OF PROPOSED 33 KV GARJEE S/S TO PROPOSED 33 KV MAHARANI S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,

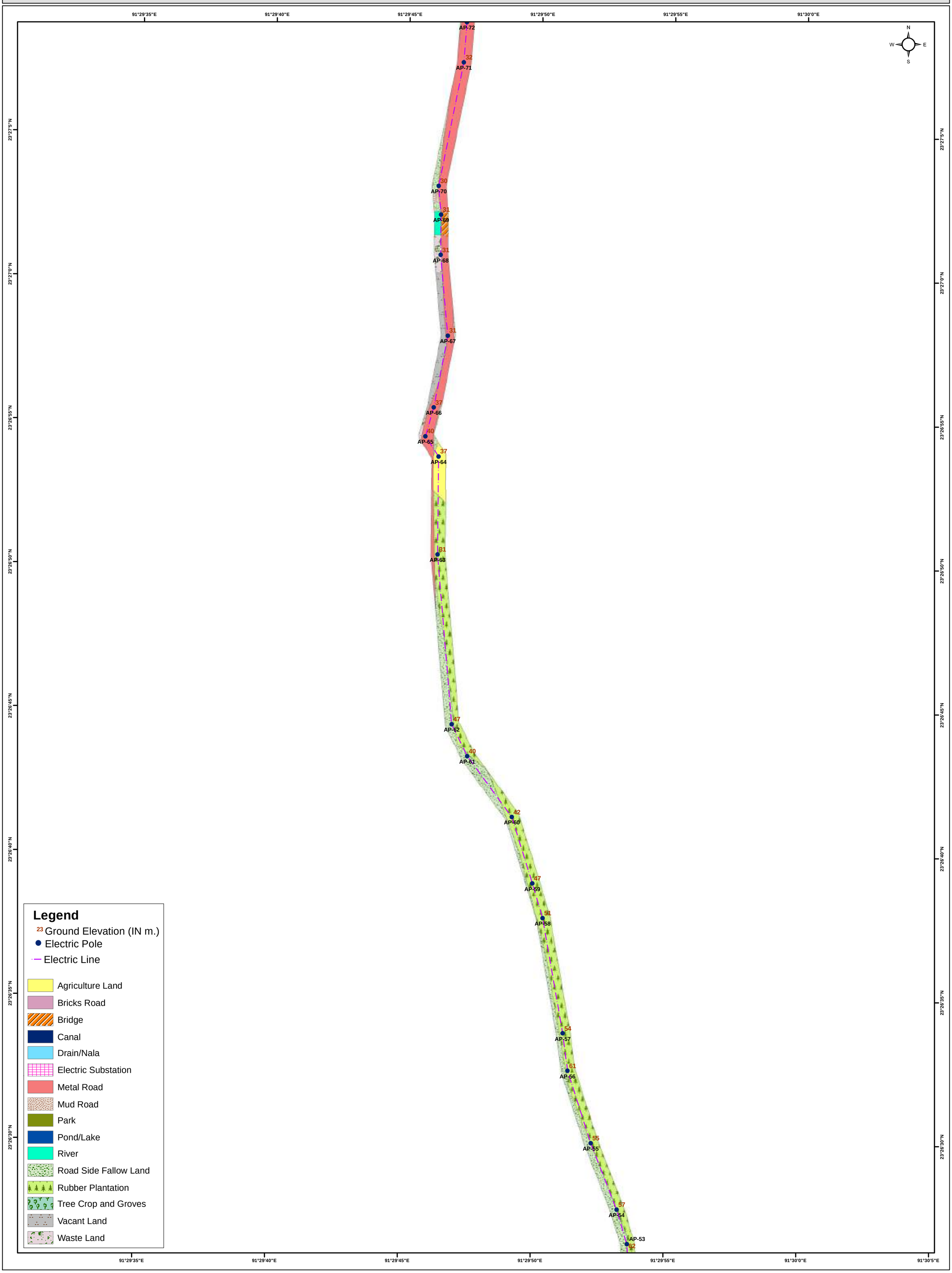
Annexure A6



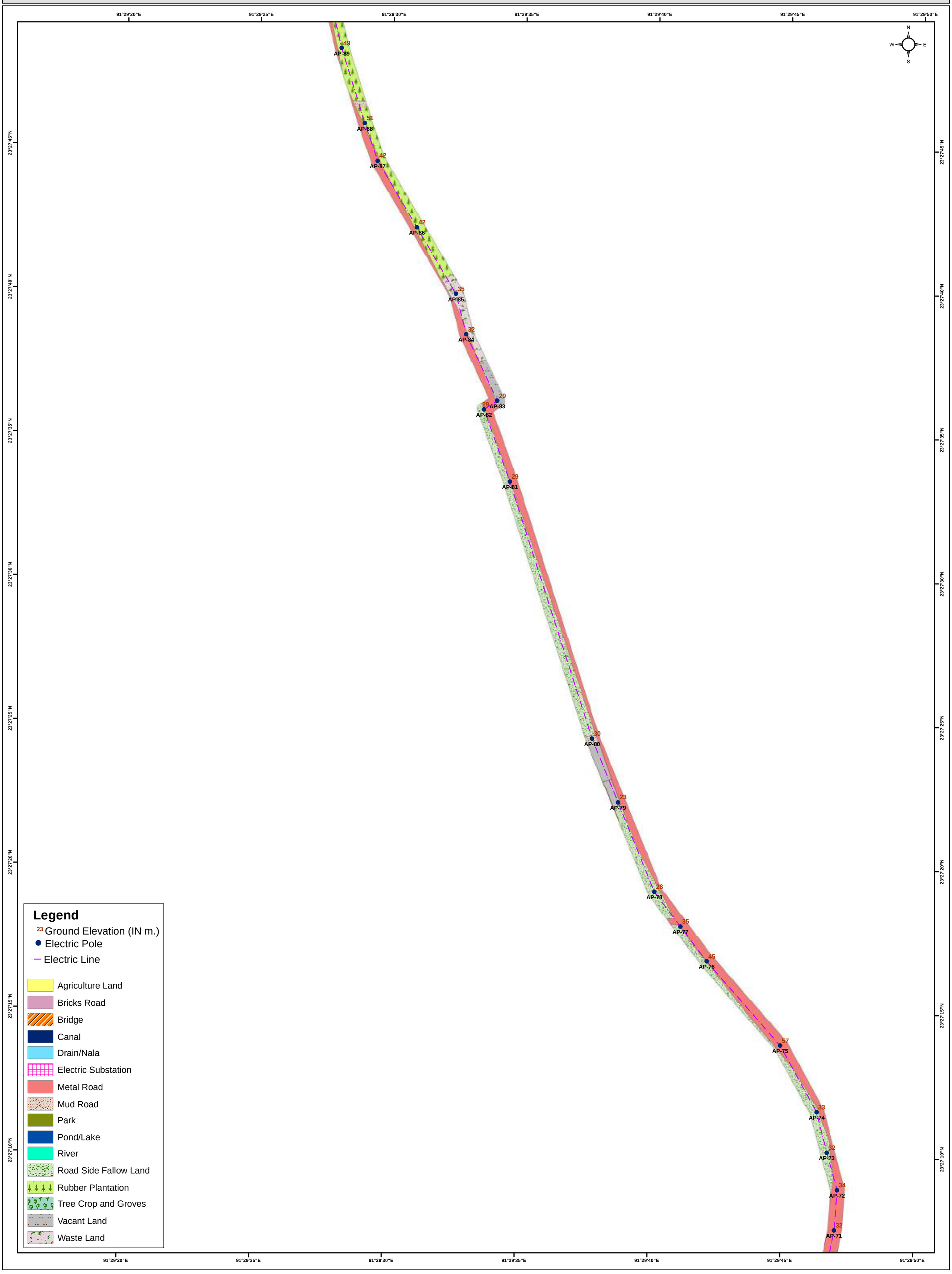
LAND USE/LAND COVER DETAILS OF PROPOSED 33 KV GARJEE S/S TO PROPOSED 33 KV MAHARANI S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



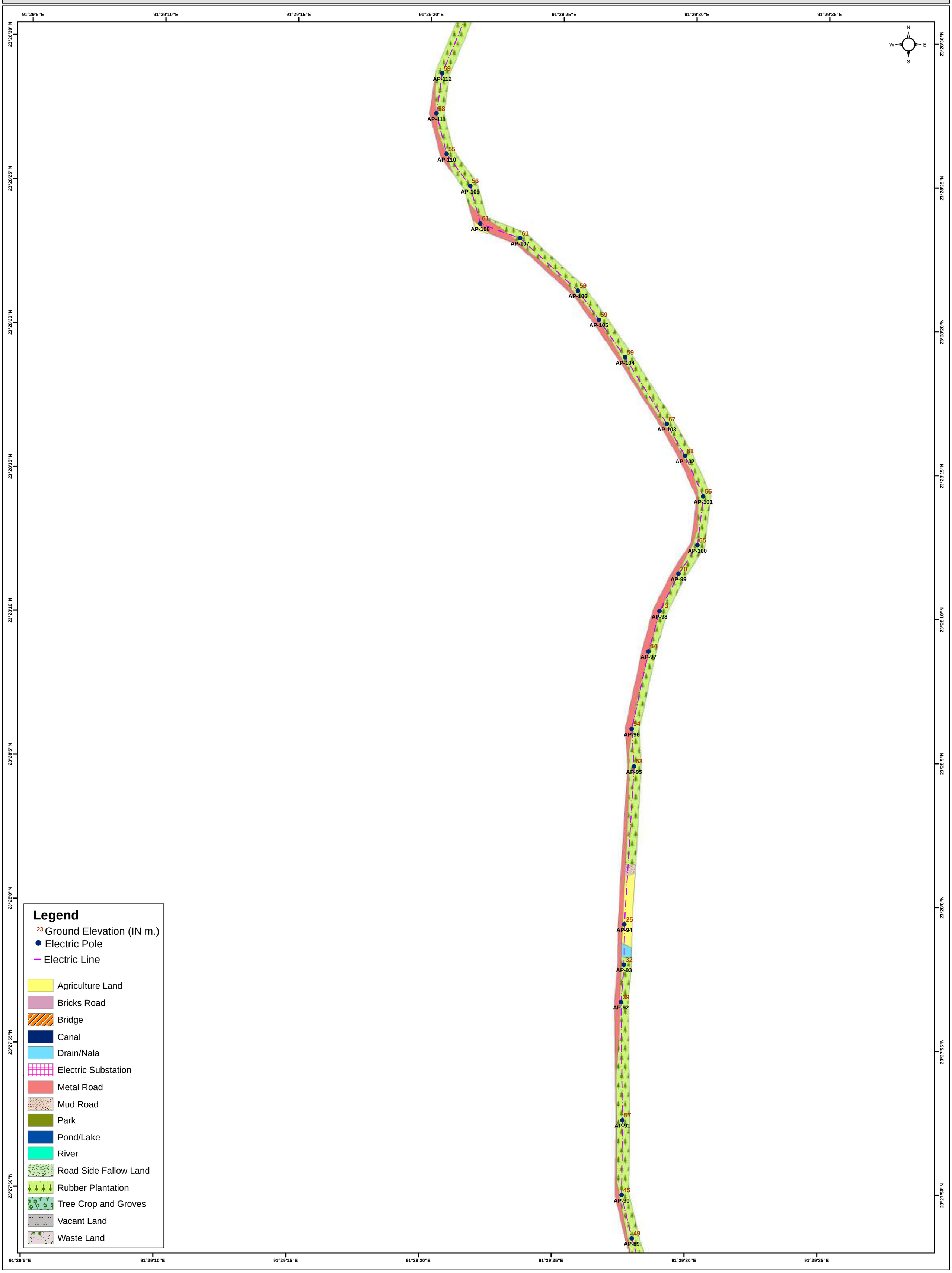
LAND USE/LAND COVER DETAILS OF PROPOSED 33 KV GARJEE S/S TO PROPOSED 33 KV MAHARANI S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



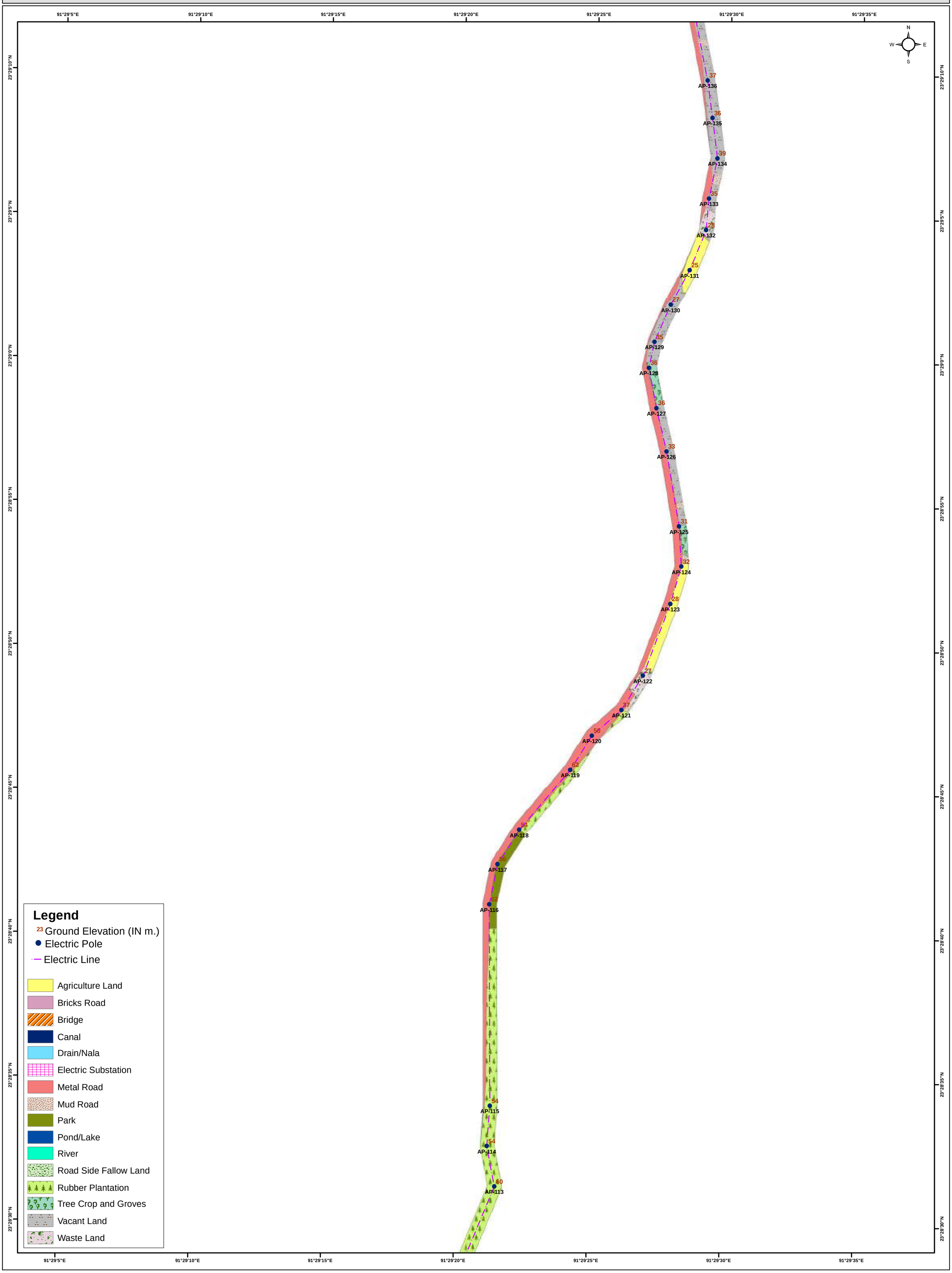
LAND USE/LAND COVER DETAILS OF PROPOSED 33 KV GARJEE S/S TO PROPOSED 33 KV MAHARANI S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



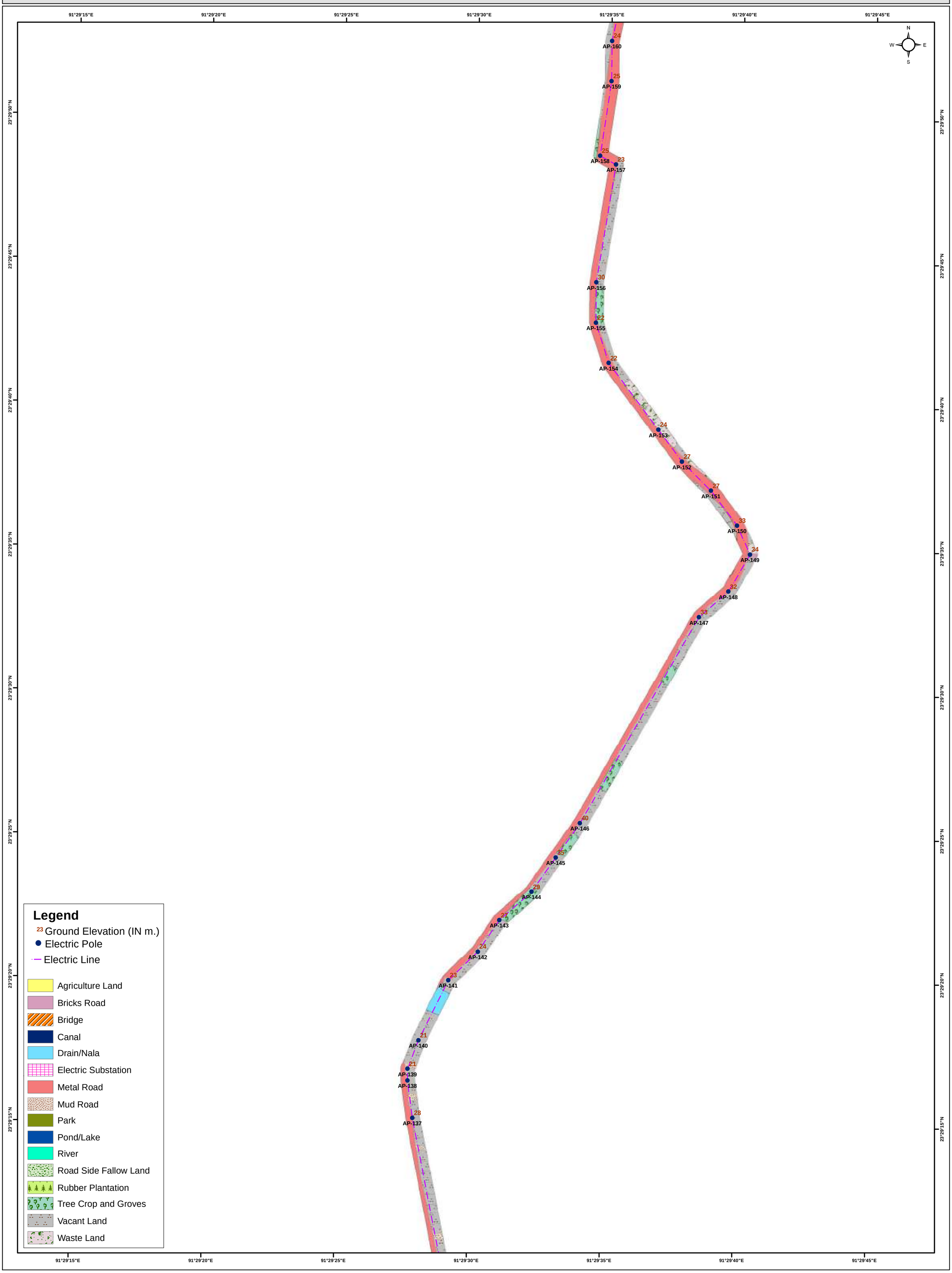
LAND USE/LAND COVER DETAILS OF PROPOSED 33 KV GARJEE S/S TO PROPOSED 33 KV MAHARANI S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



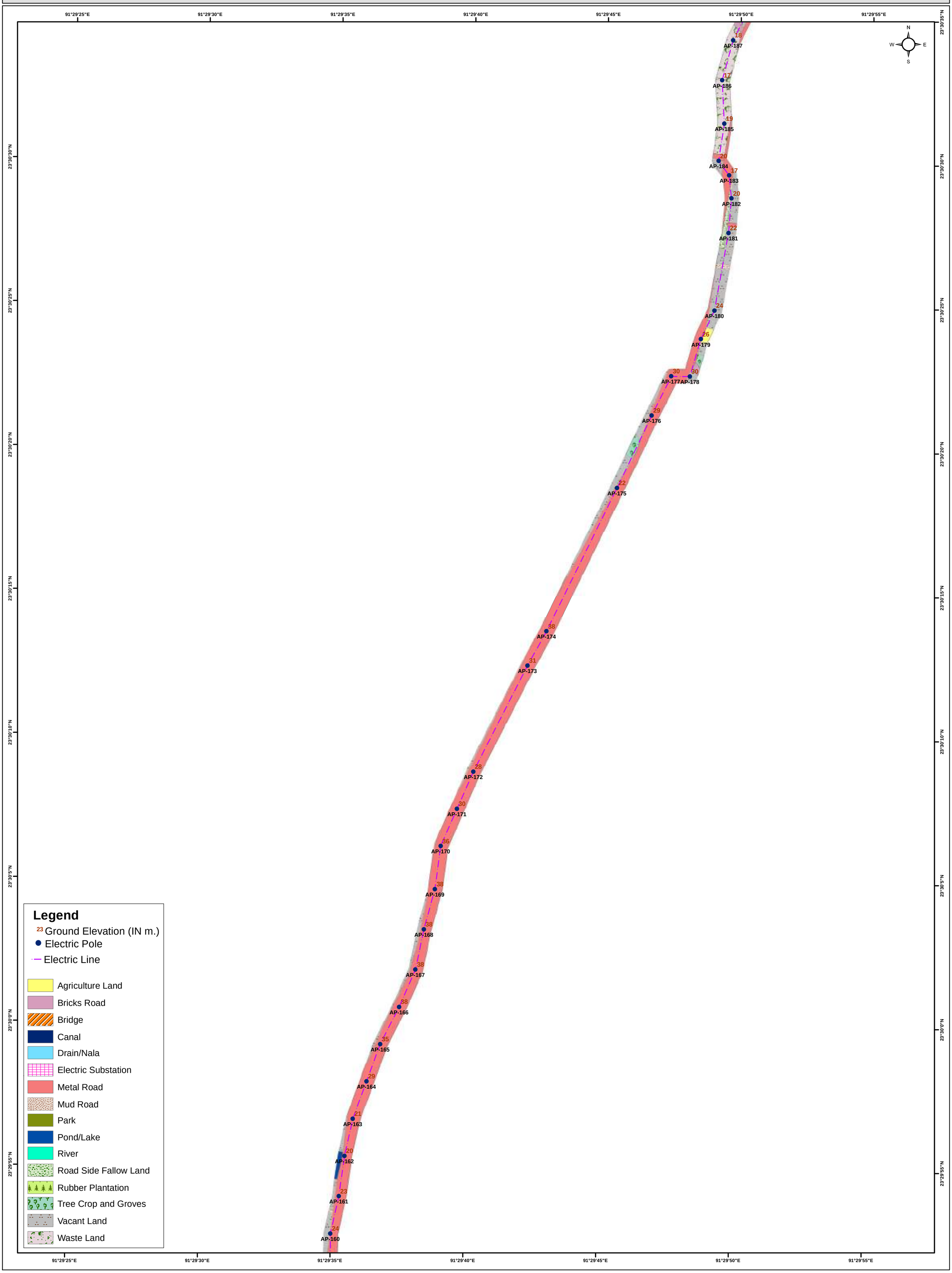
LAND USE/LAND COVER DETAILS OF PROPOSED 33 KV GARJEE S/S TO PROPOSED 33 KV MAHARANI S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



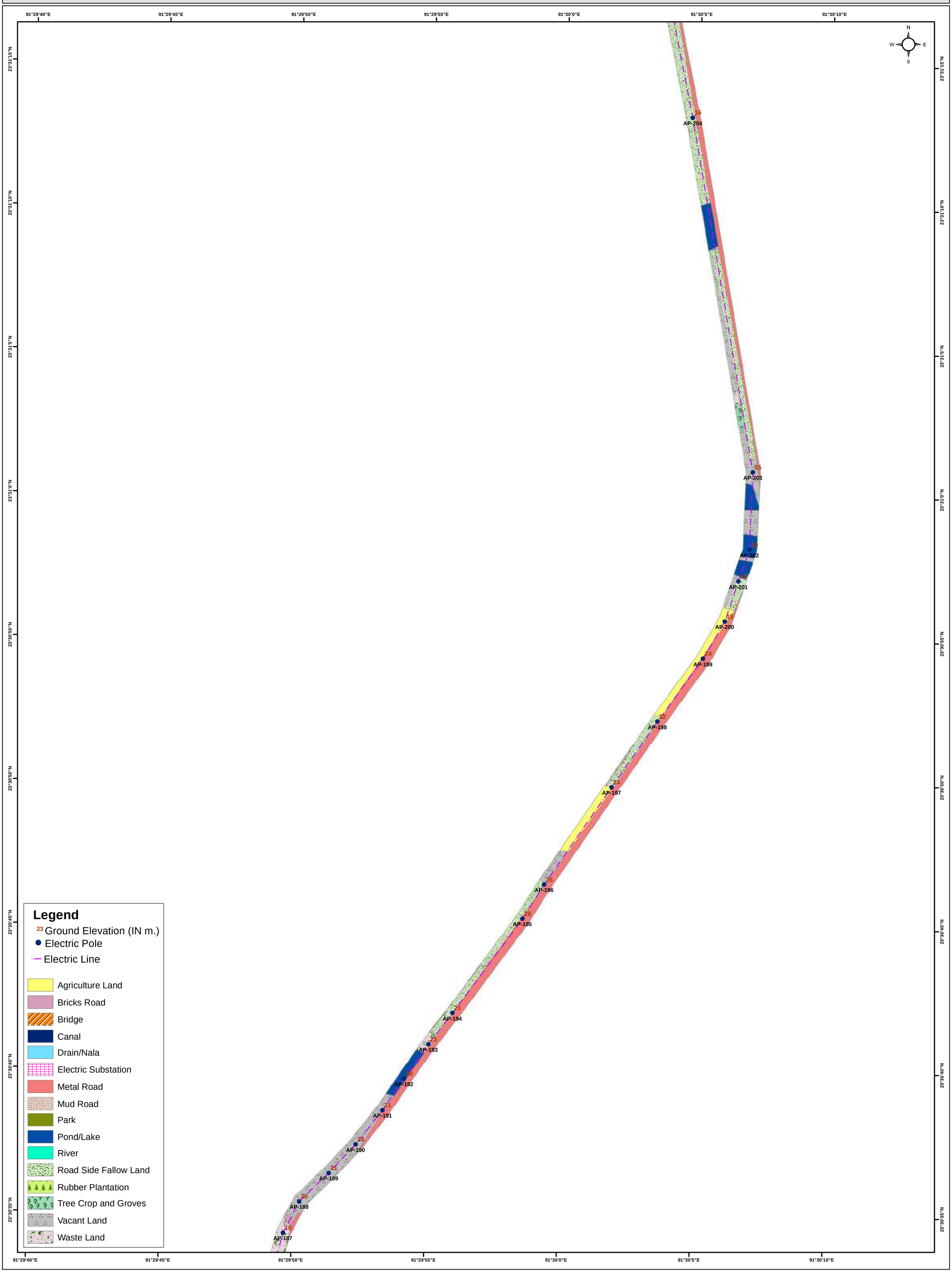
LAND USE/LAND COVER DETAILS OF PROPOSED 33 KV GARJEE S/S TO PROPOSED 33 KV MAHARANI S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



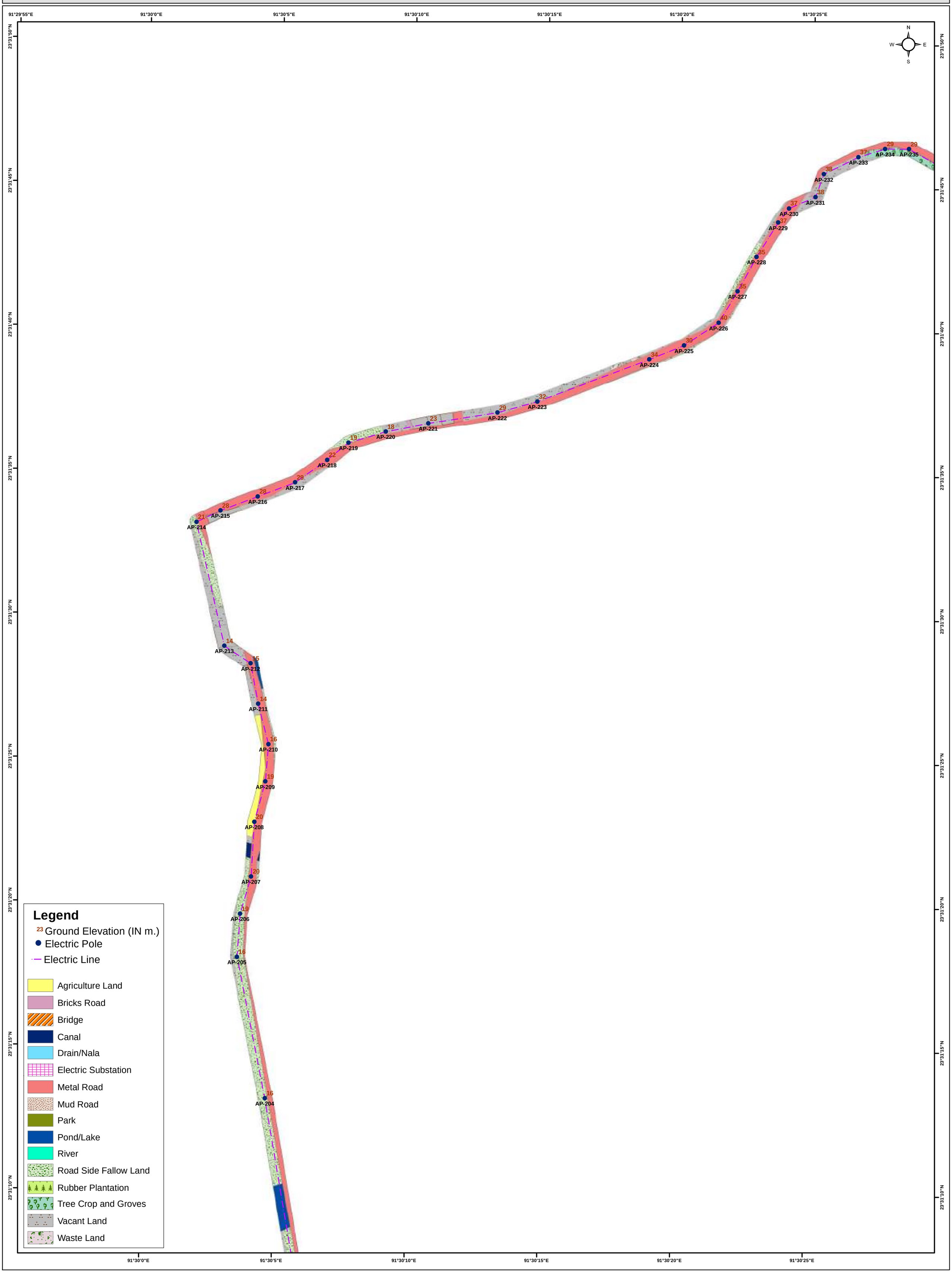
LAND USE/LAND COVER DETAILS OF PROPOSED 33 KV GARJEE S/S TO PROPOSED 33 KV MAHARANI S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



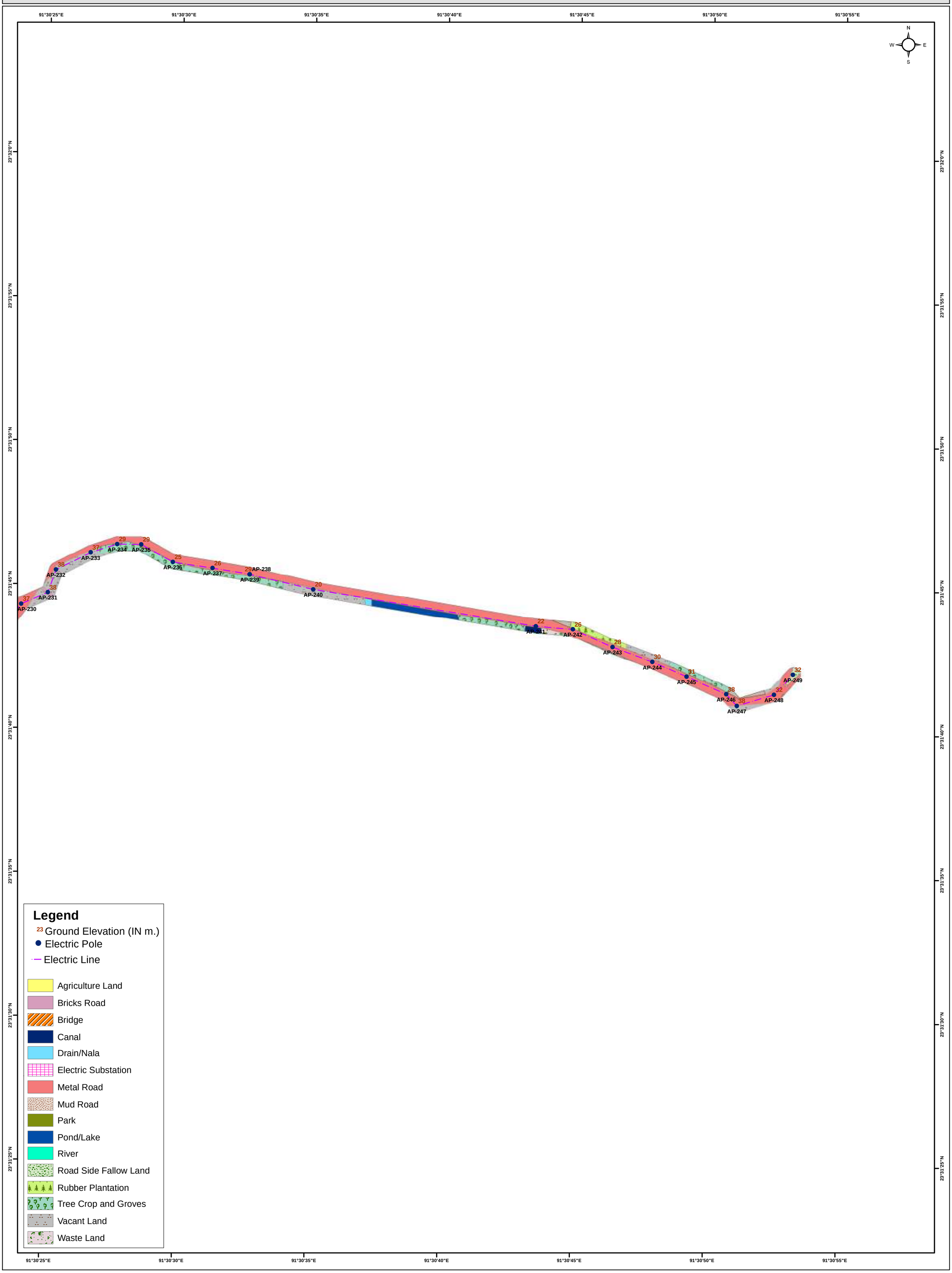
LAND USE/LAND COVER DETAILS OF PROPOSED 33 KV GARJEE S/S TO PROPOSED 33 KV MAHARANI S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



LAND USE/LAND COVER DETAILS OF PROPOSED 33 KV GARJEE S/S TO PROPOSED 33 KV MAHARANI S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,

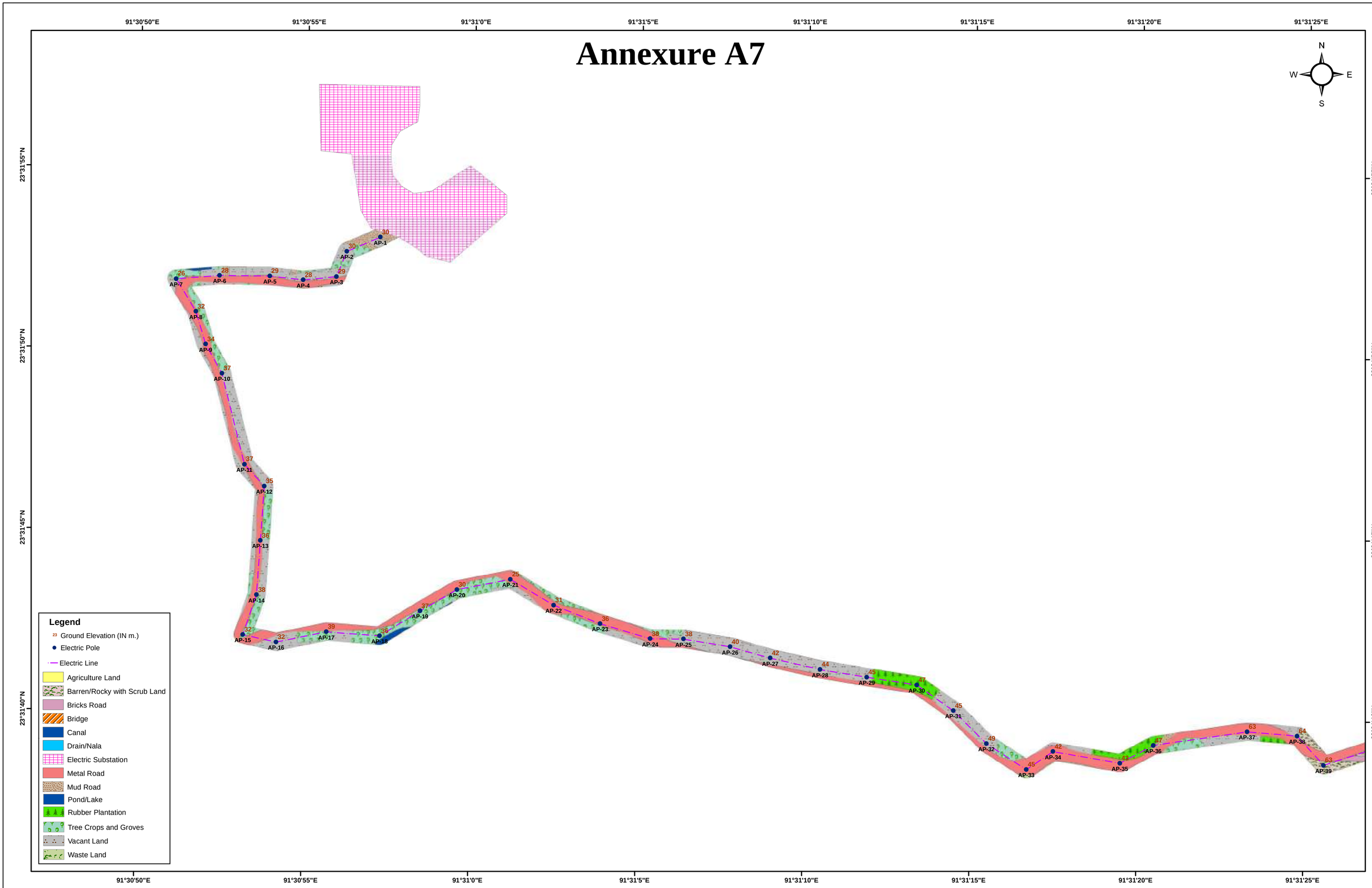


LAND USE/LAND COVER DETAILS OF PROPOSED 33 KV GARJEE S/S TO PROPOSED 33 KV MAHARANI S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,

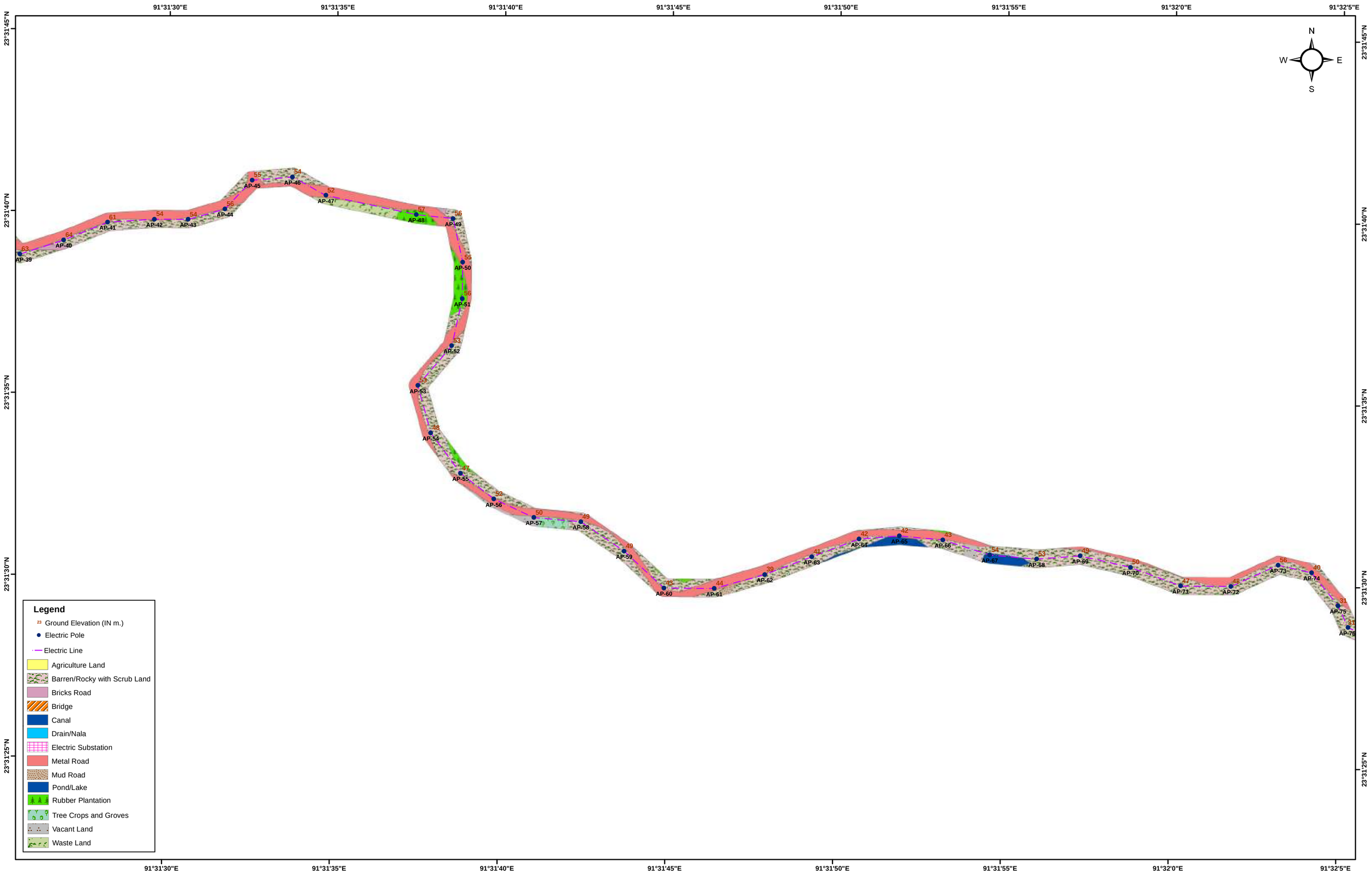


LAND USE/LAND COVER DETAILS OF EXISTING UDAIPUR S/S TO PROPOSED MAHARANI S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,

Annexure A7



LAND USE/LAND COVER DETAILS OF EXISTING UDAIPUR S/S TO PROPOSED MAHARANI S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



LAND USE/LAND COVER DETAILS OF EXISTING UDAIPUR S/S TO PROPOSED MAHARANI S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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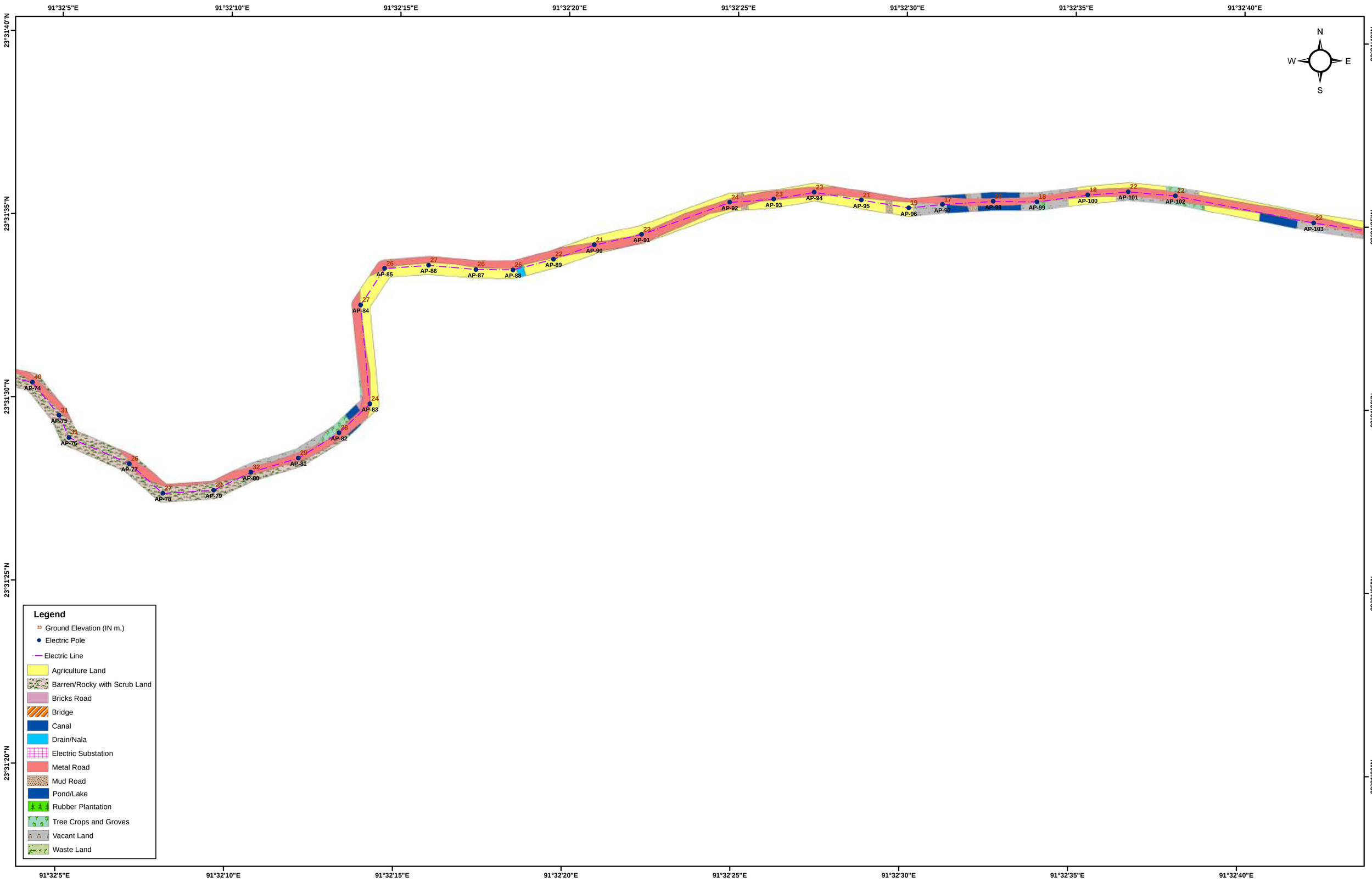
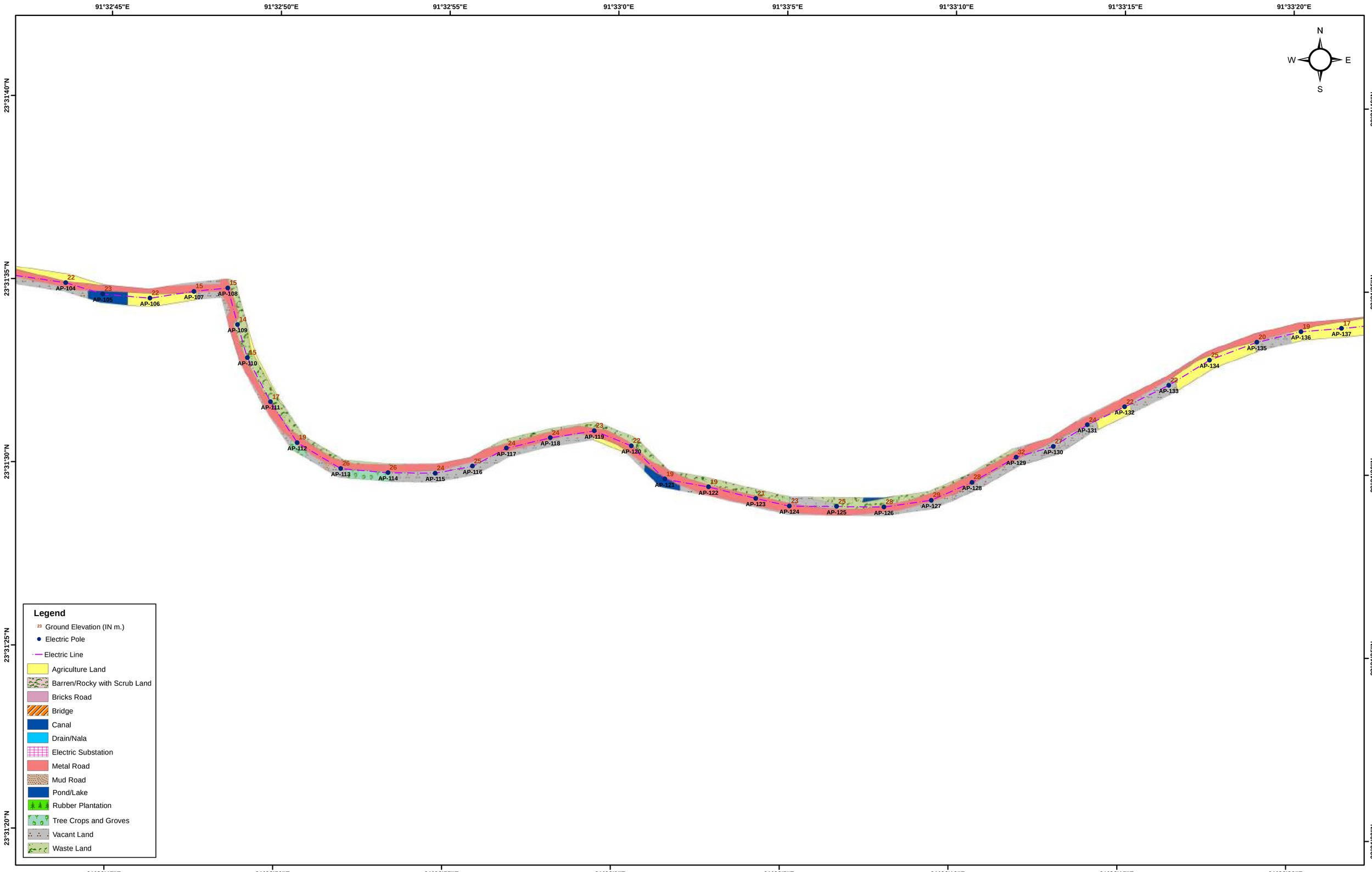


LAND USE/LAND COVER DETAILS OF EXISTING UDAIPUR S/S TO PROPOSED MAHARANI S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



LAND USE/LAND COVER DETAILS OF EXISTING UDAIPUR S/S TO PROPOSED MAHARANI S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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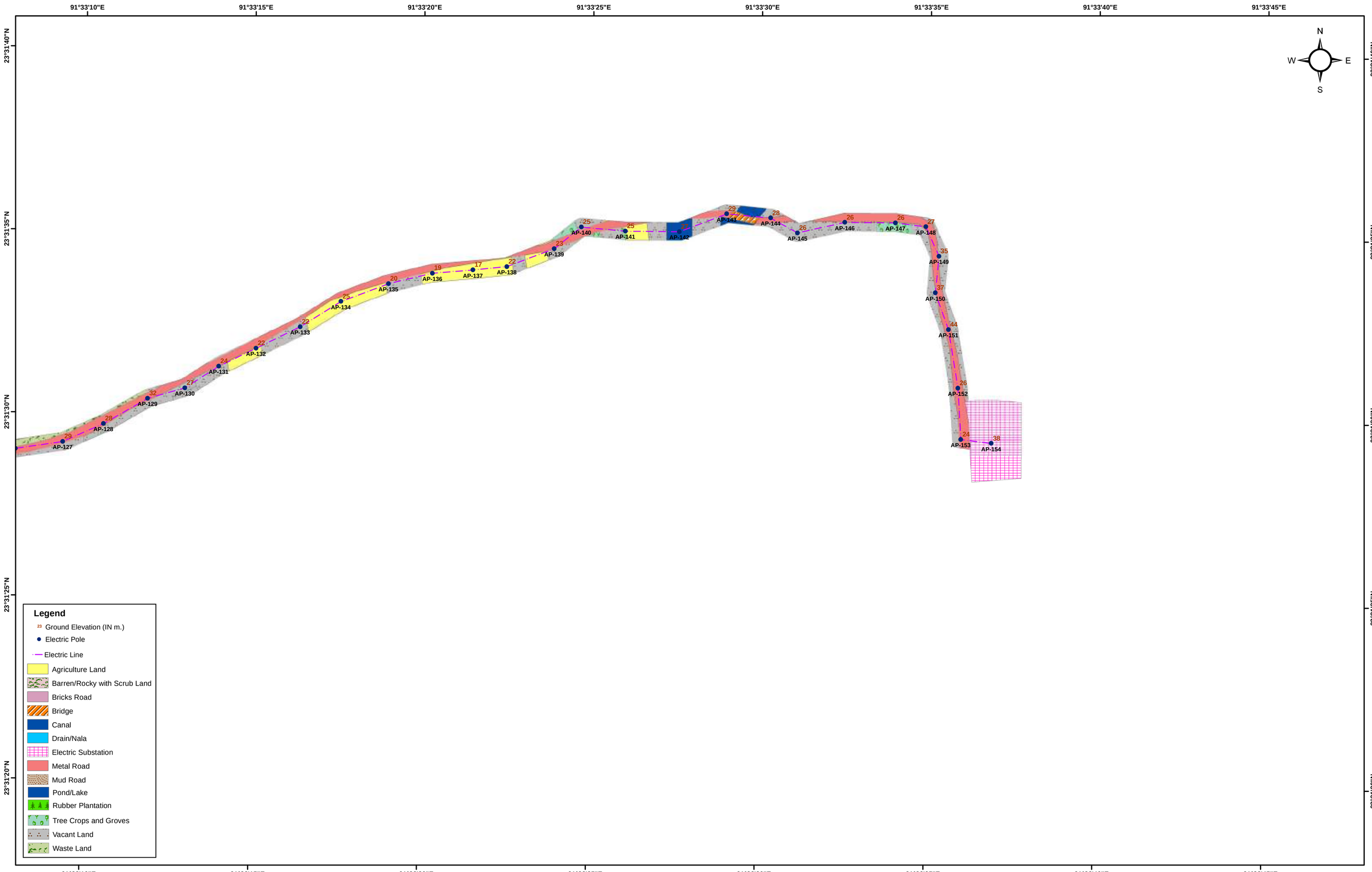
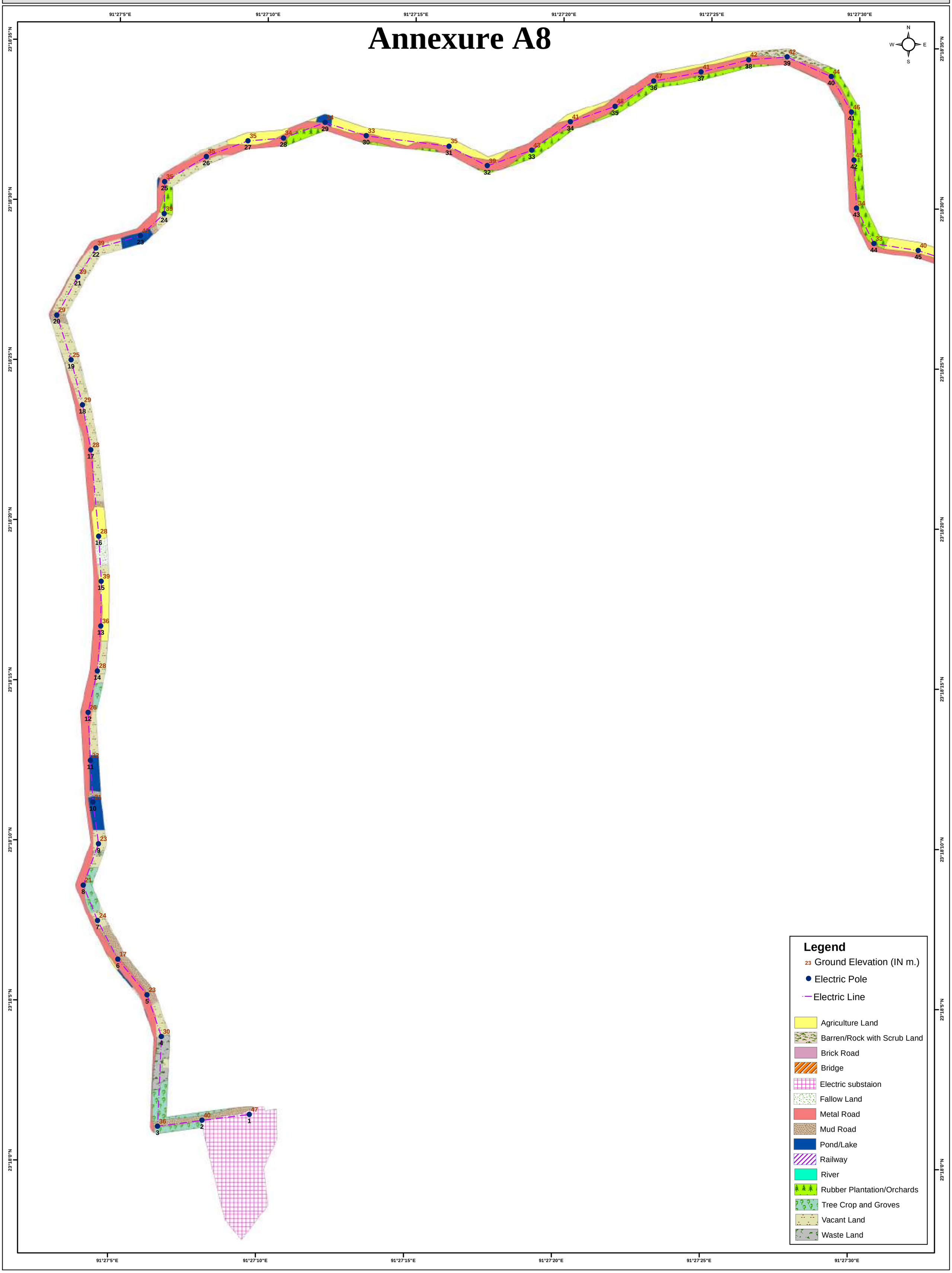


LAND USE/LAND COVER DETAILS OF PROPOSED 33 KV GARJI S/S TO PROPOSED 33 KV CHITTAMARA S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



LAND USE/LAND COVER DETAILS OF PROPOSED 33 KV GARJI S/S TO PROPOSED 33 KV CHITTAMARA S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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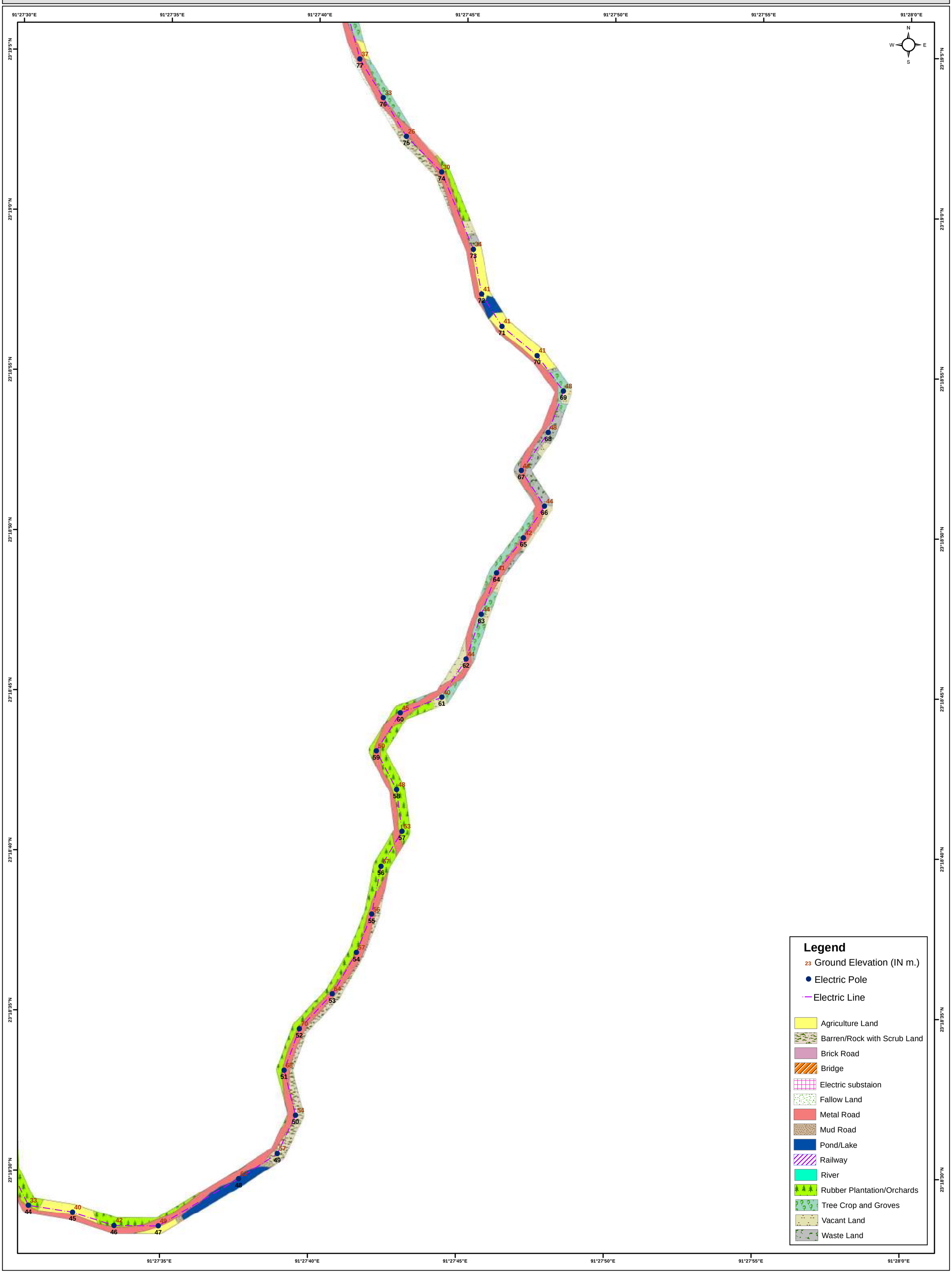

LAND USE/LAND COVER DETAILS OF PROPOSED 33 KV GARJI S/S TO PROPOSED 33 KV CHITTAMARA S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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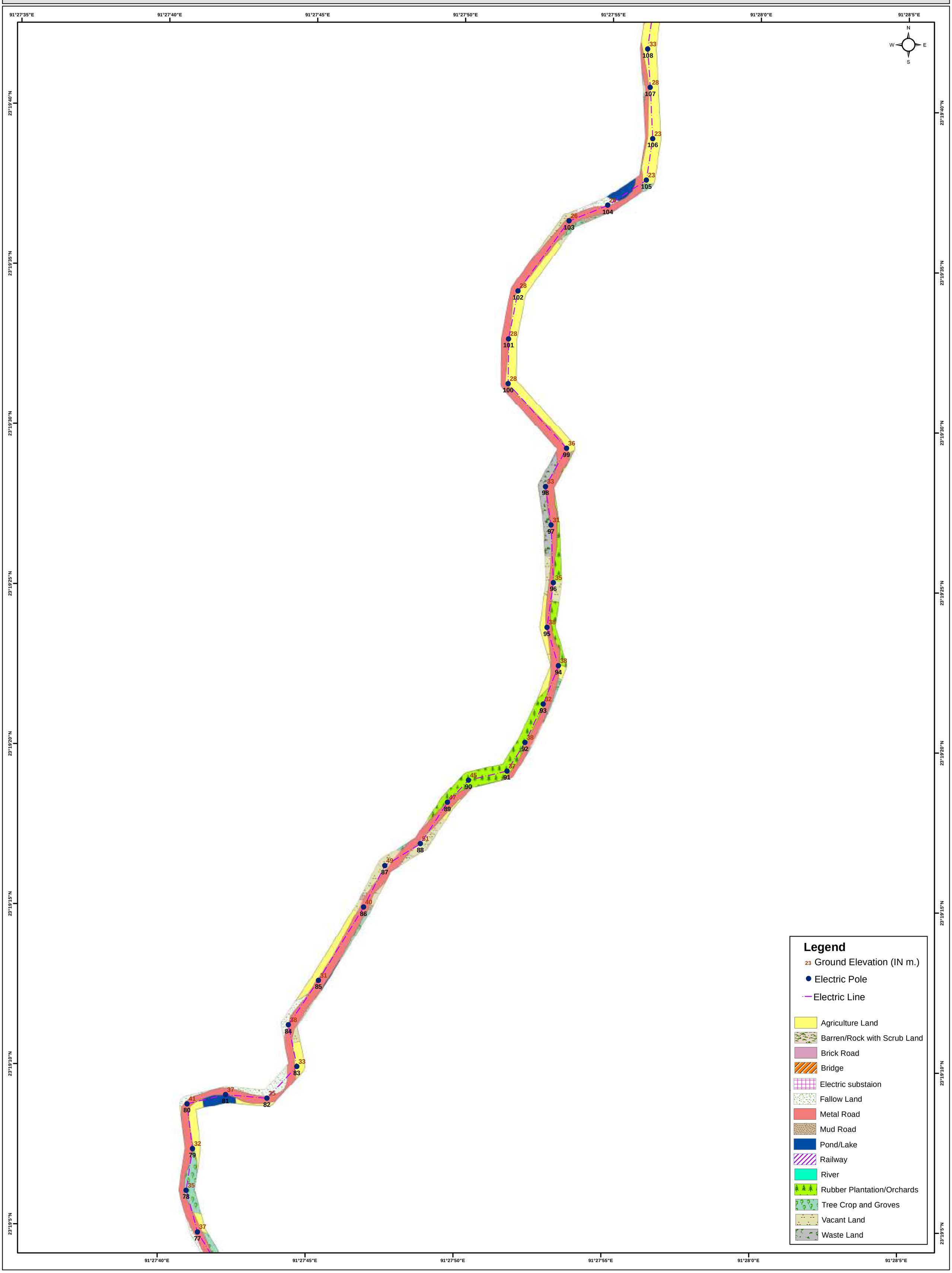
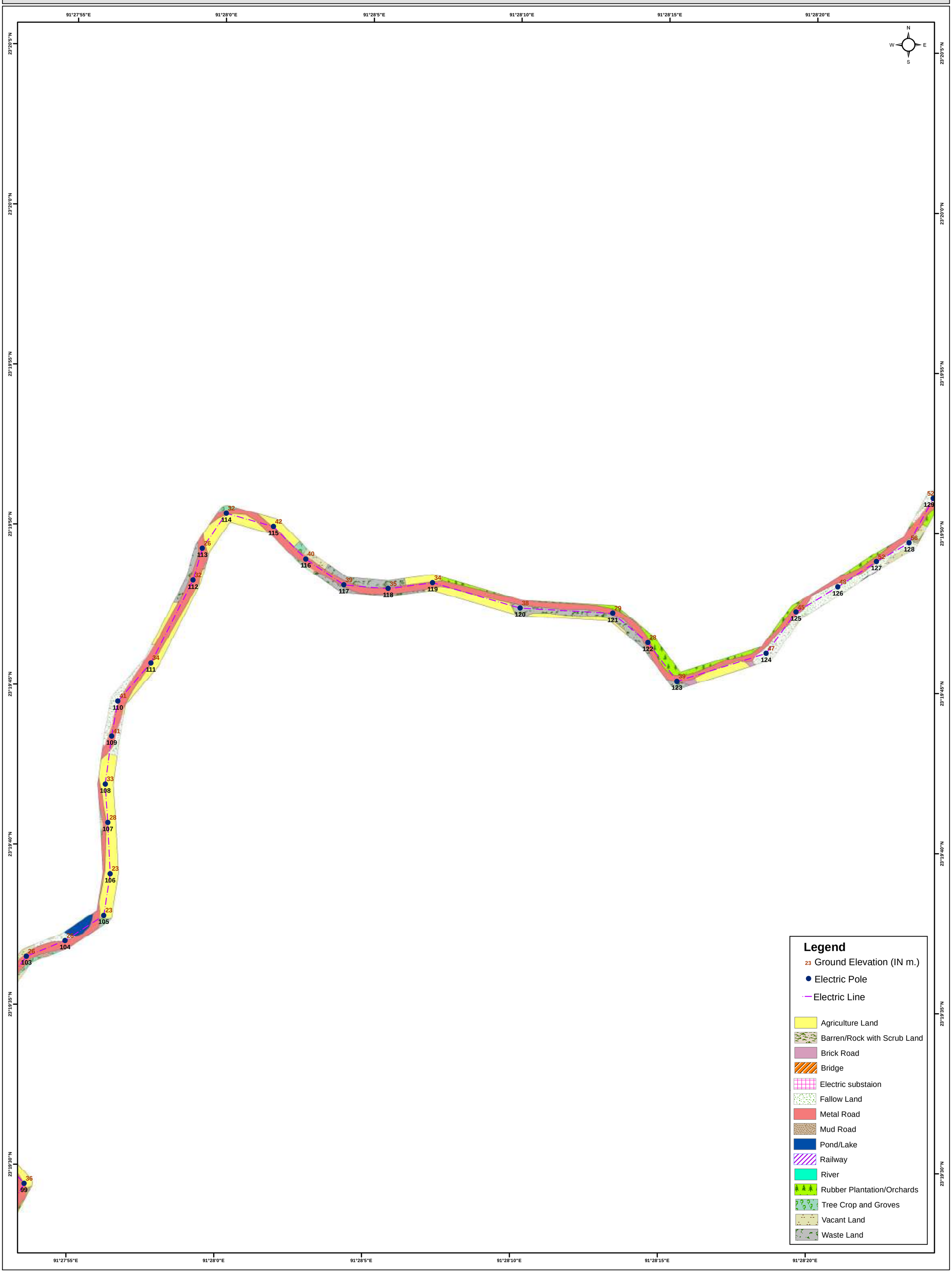


LAND USE/LAND COVER DETAILS OF PROPOSED 33 KV GARJI S/S TO PROPOSED 33 KV CHITTAMARA S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



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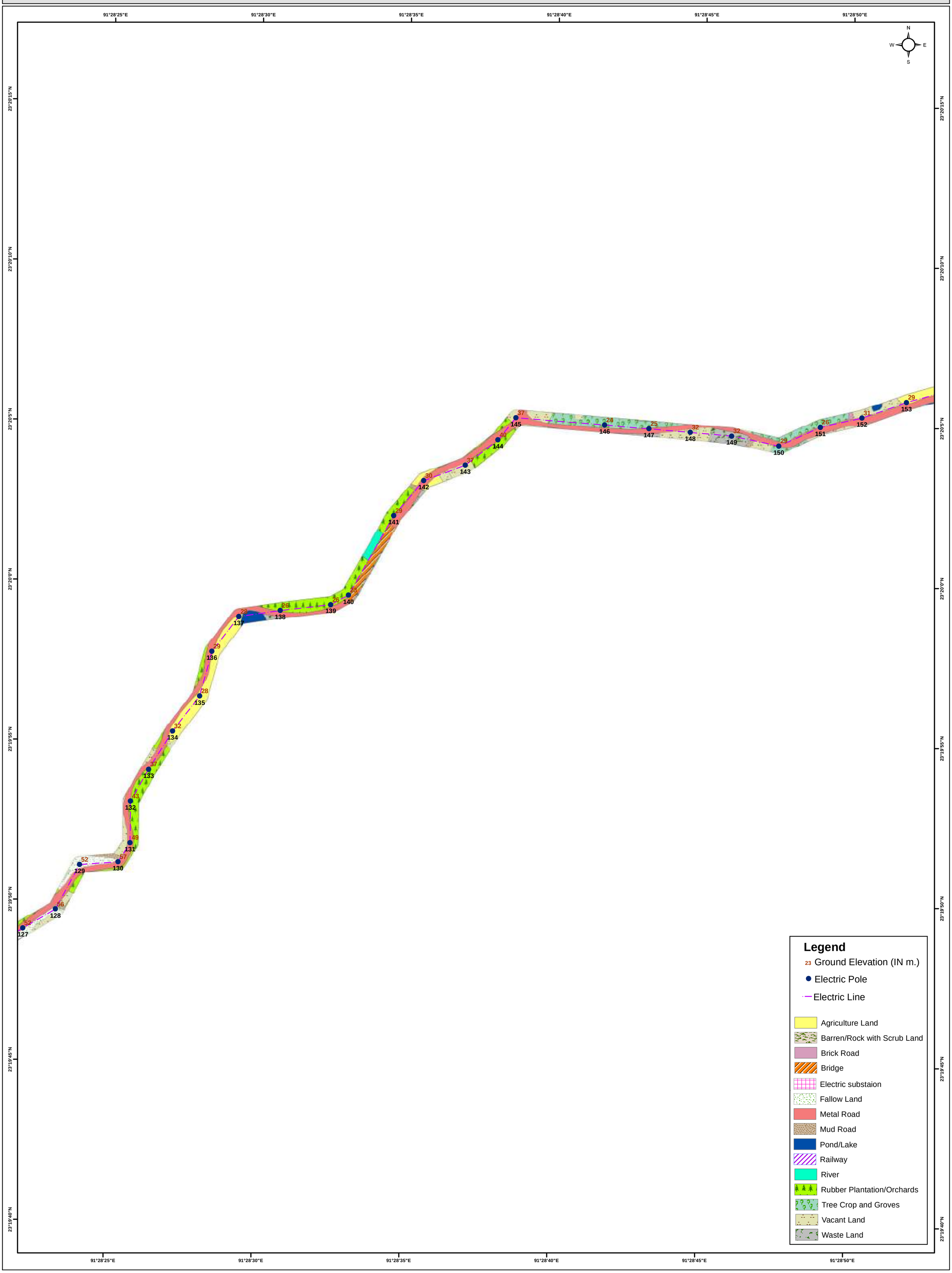

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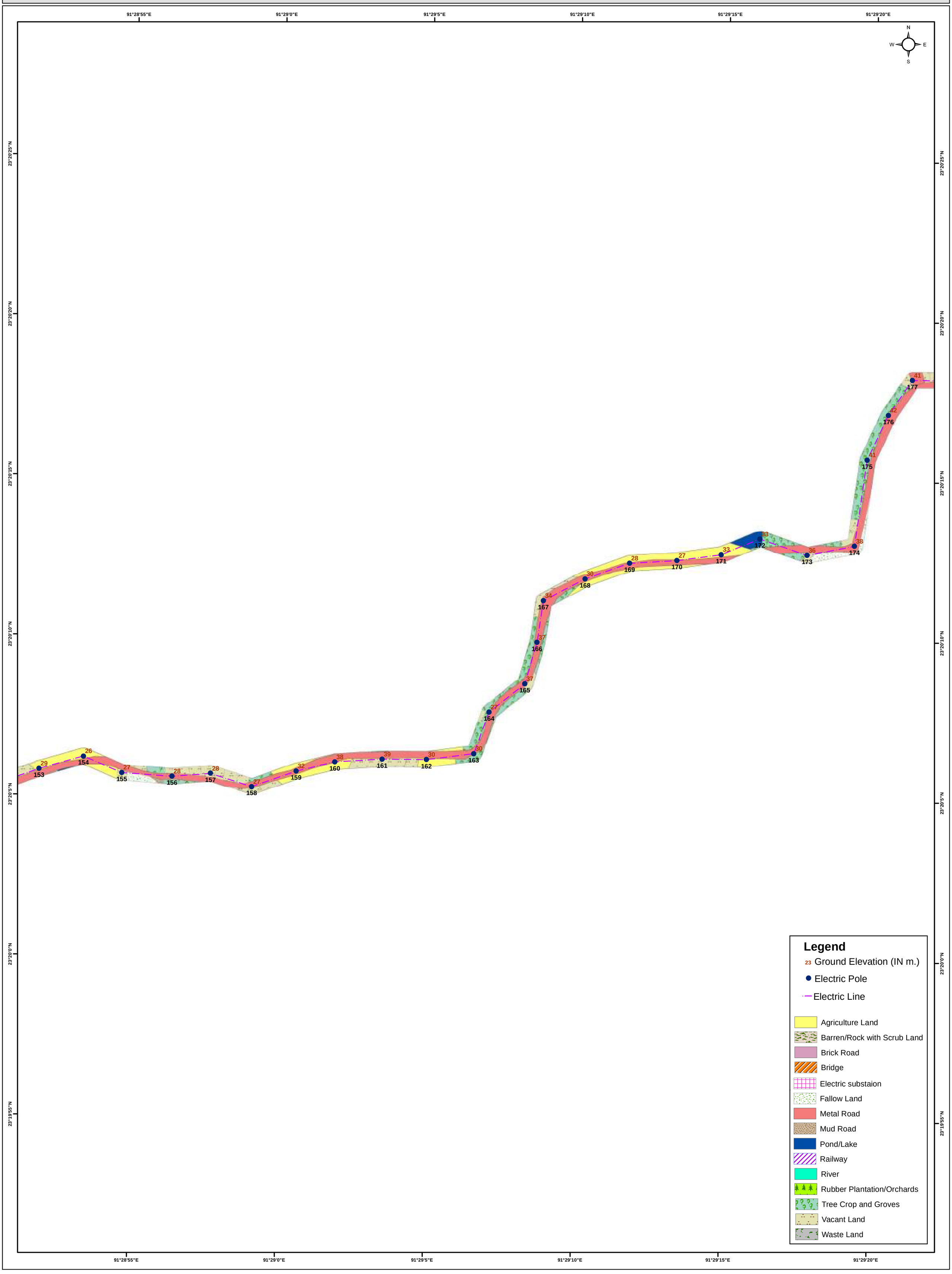

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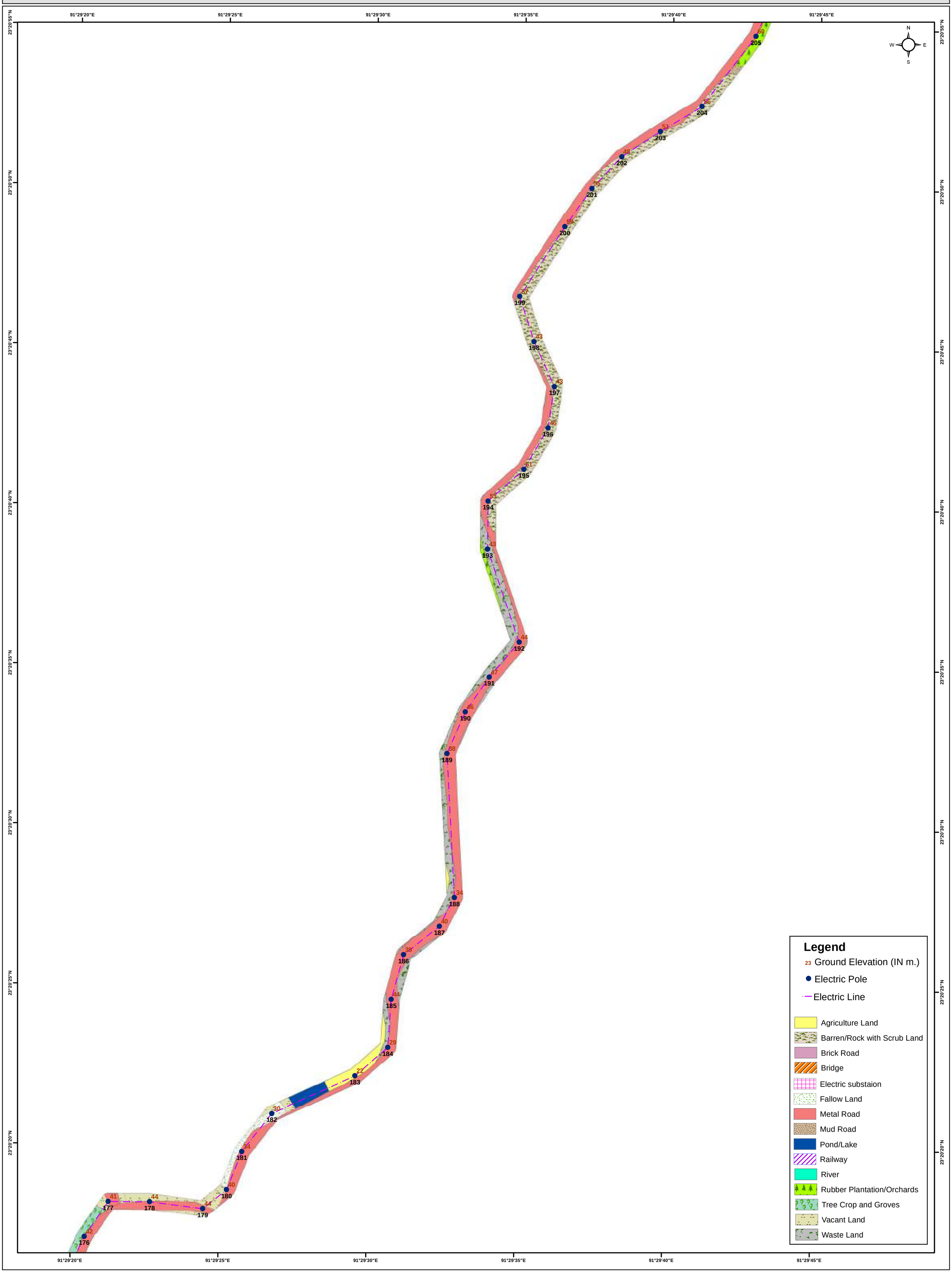

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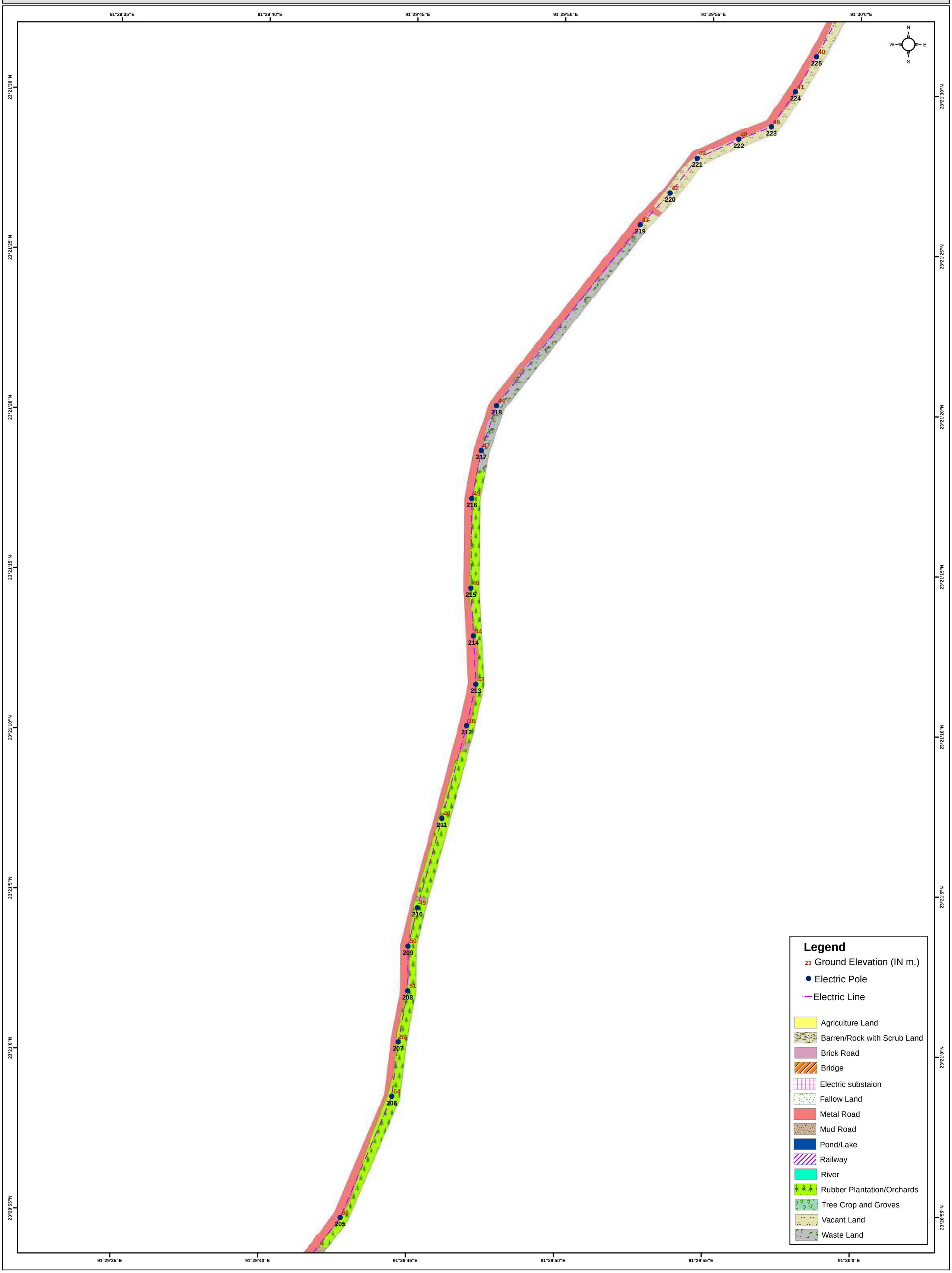

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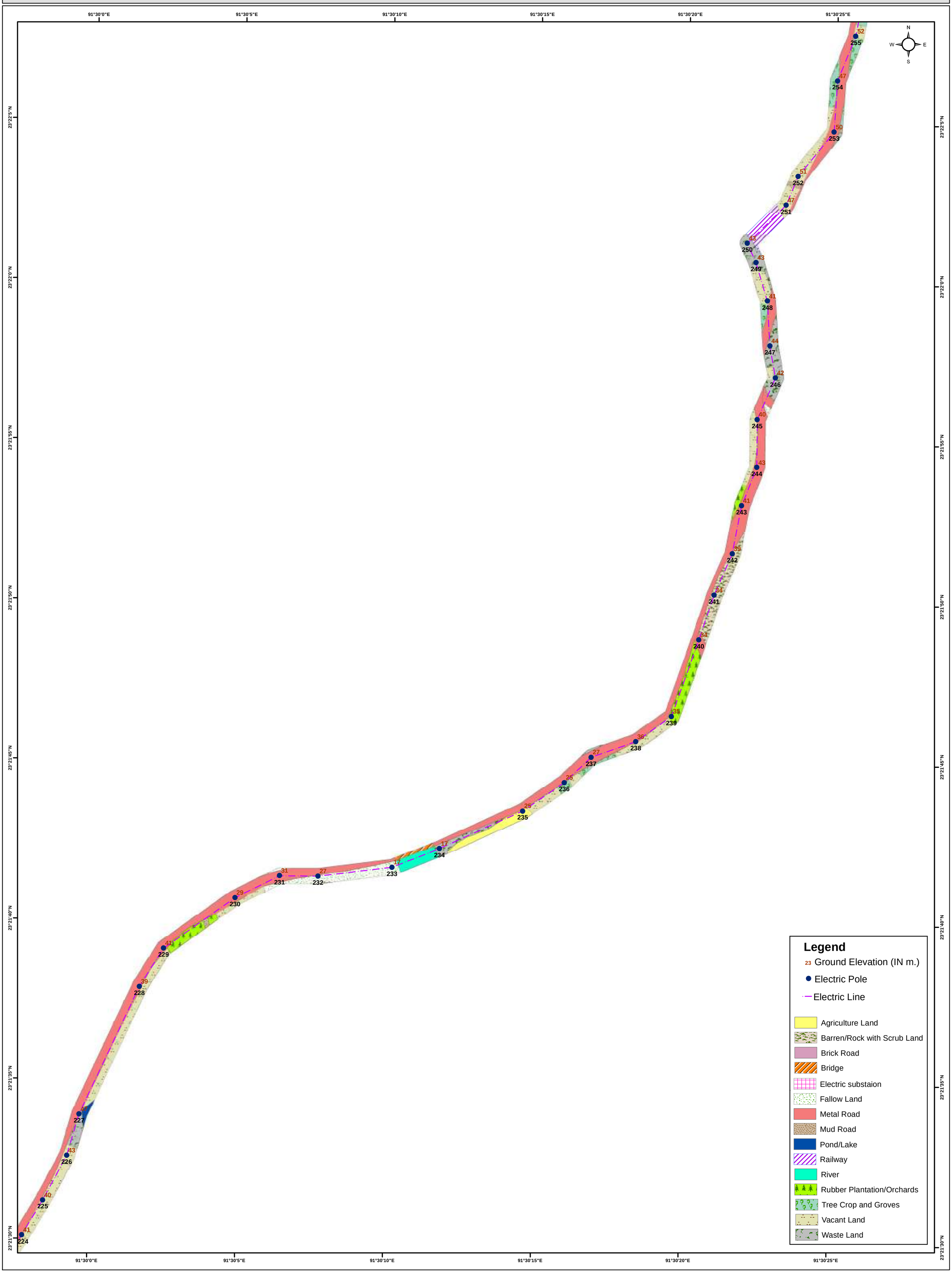

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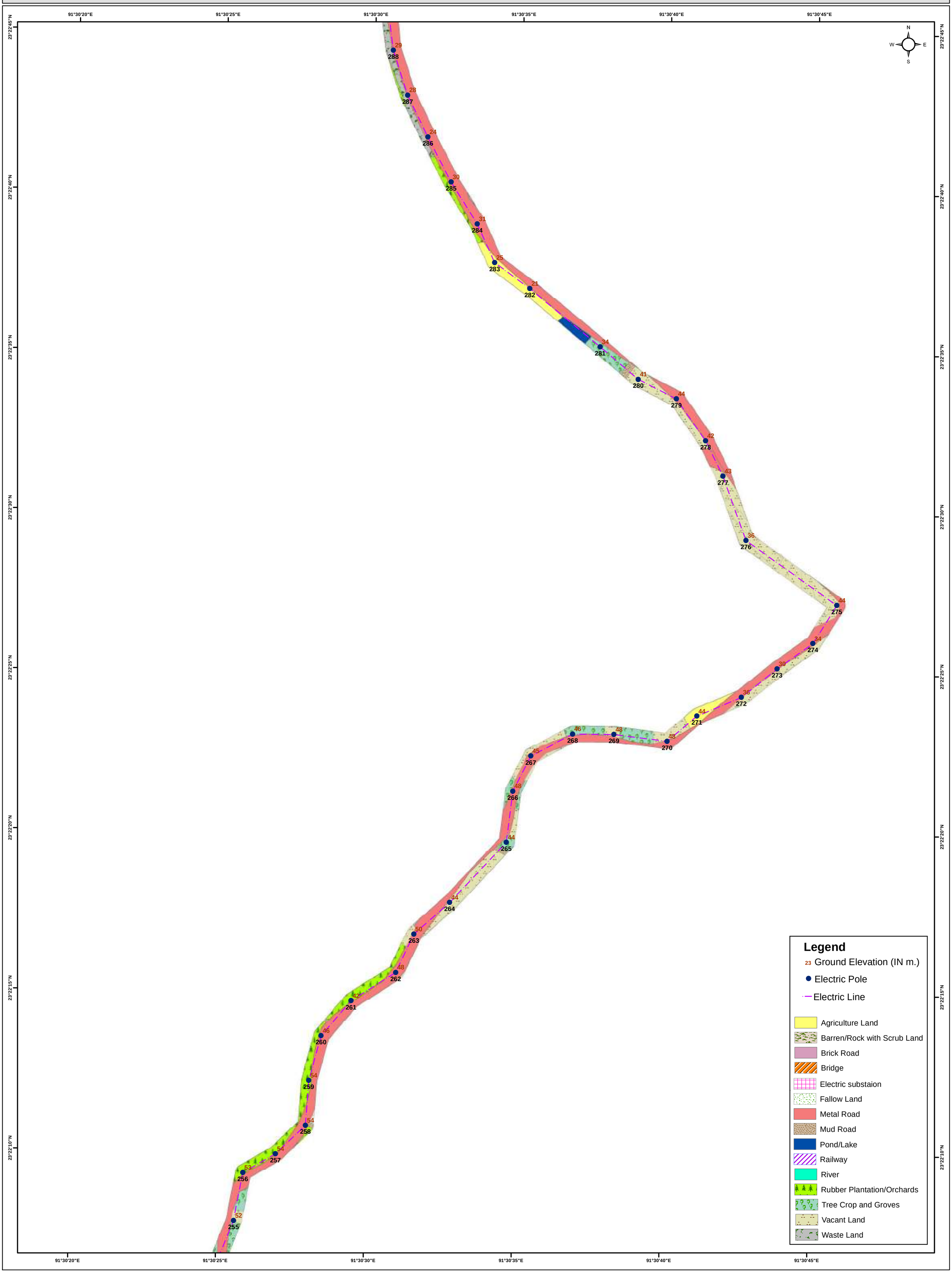

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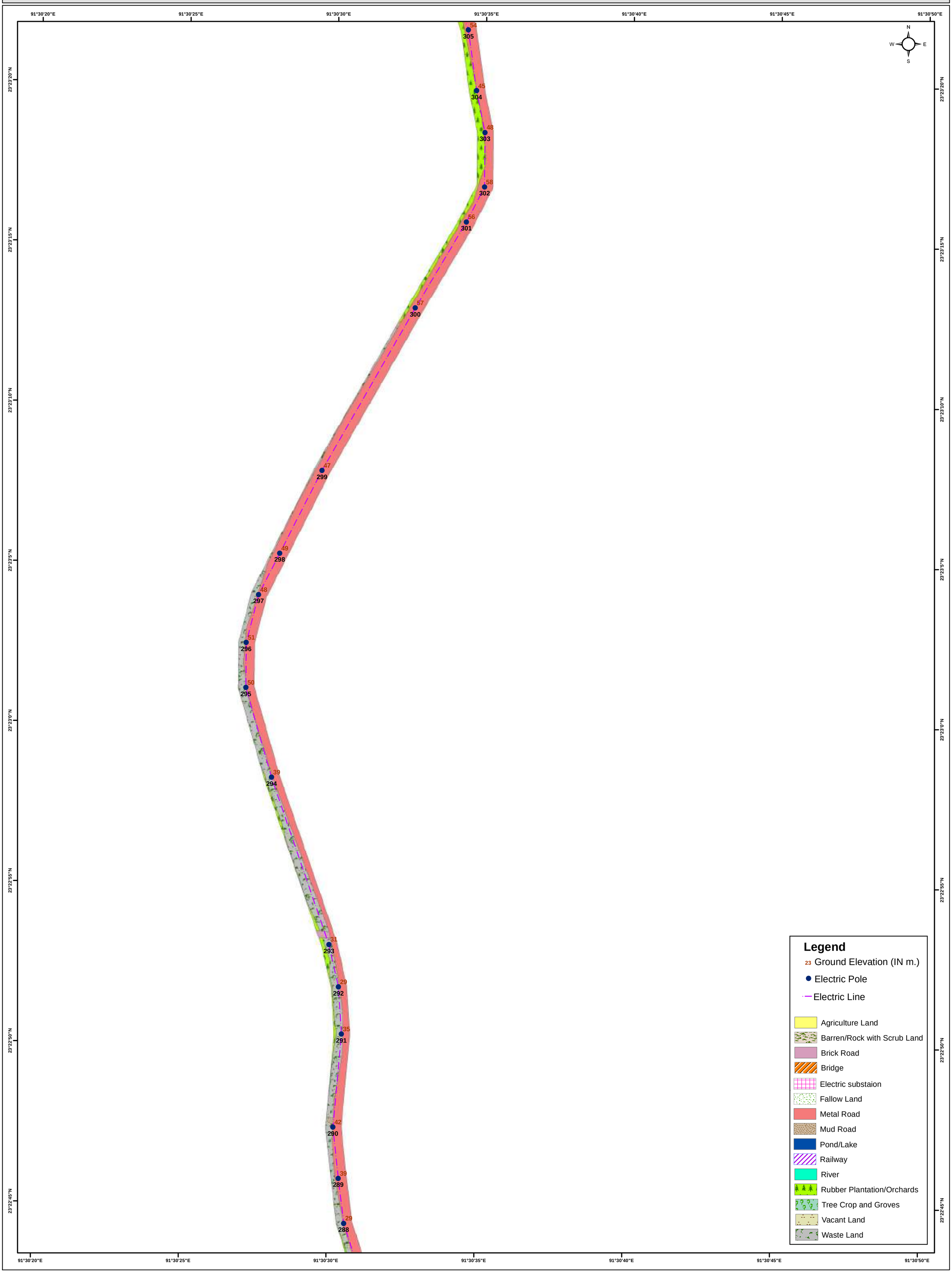

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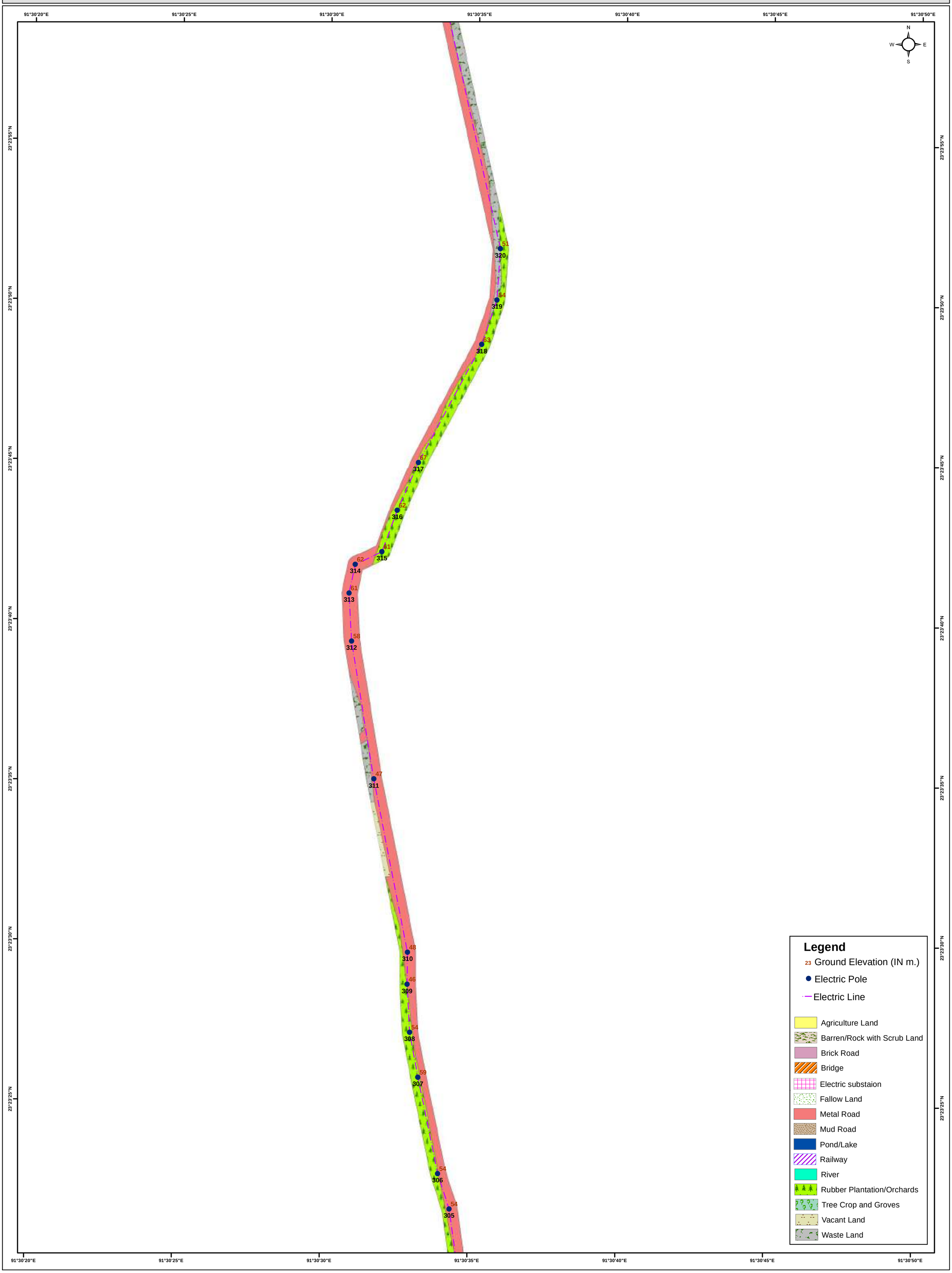

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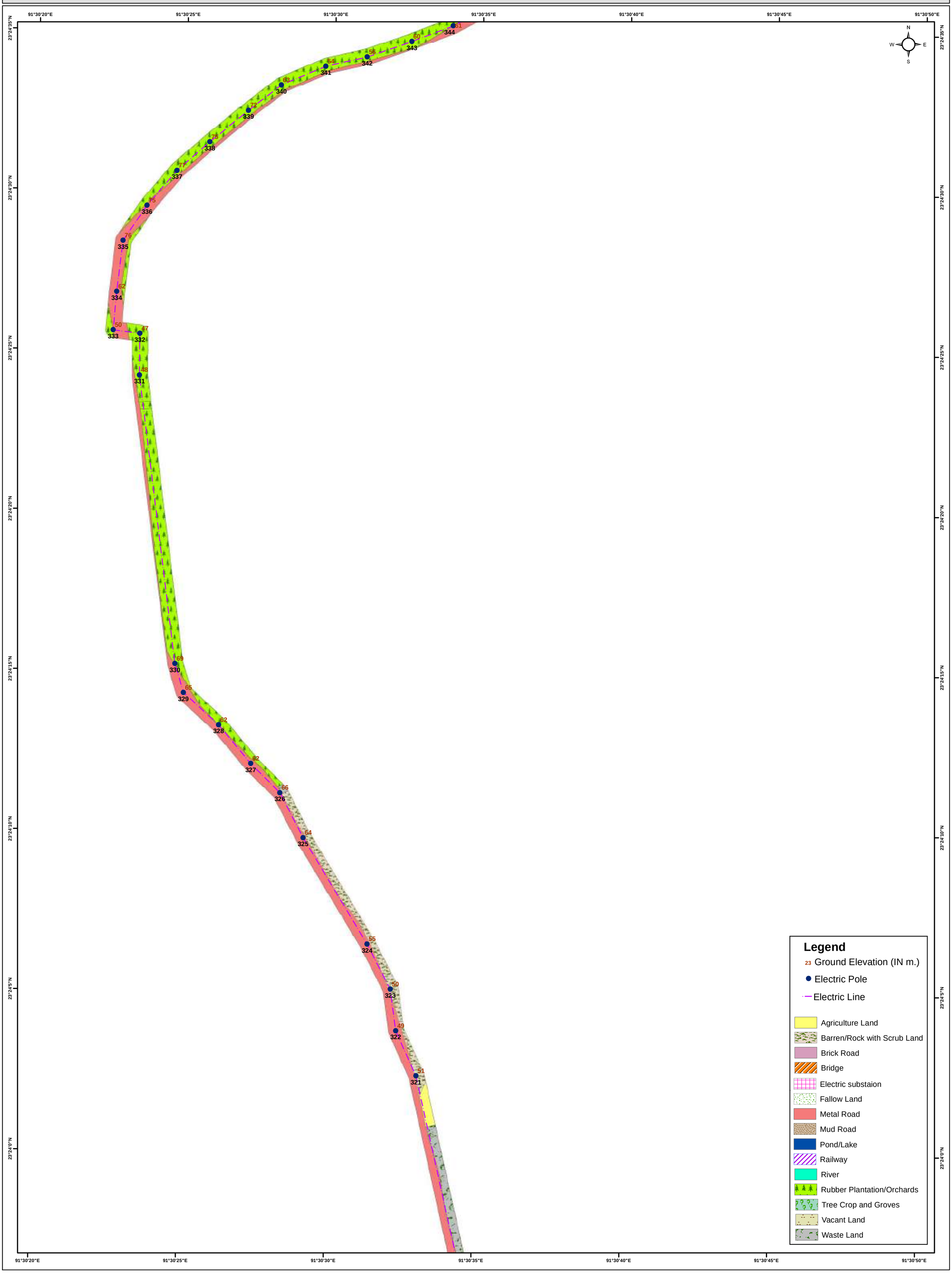

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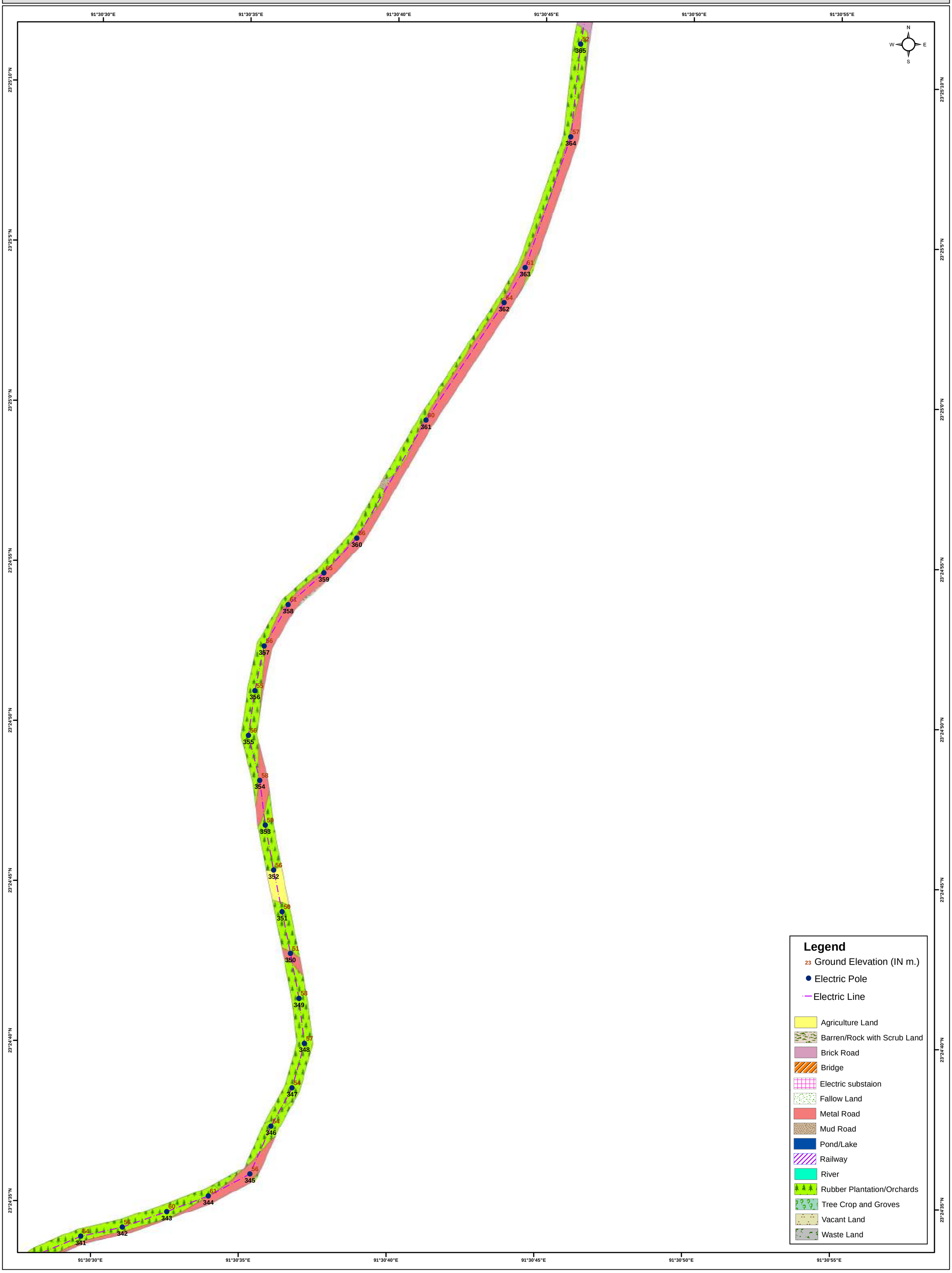

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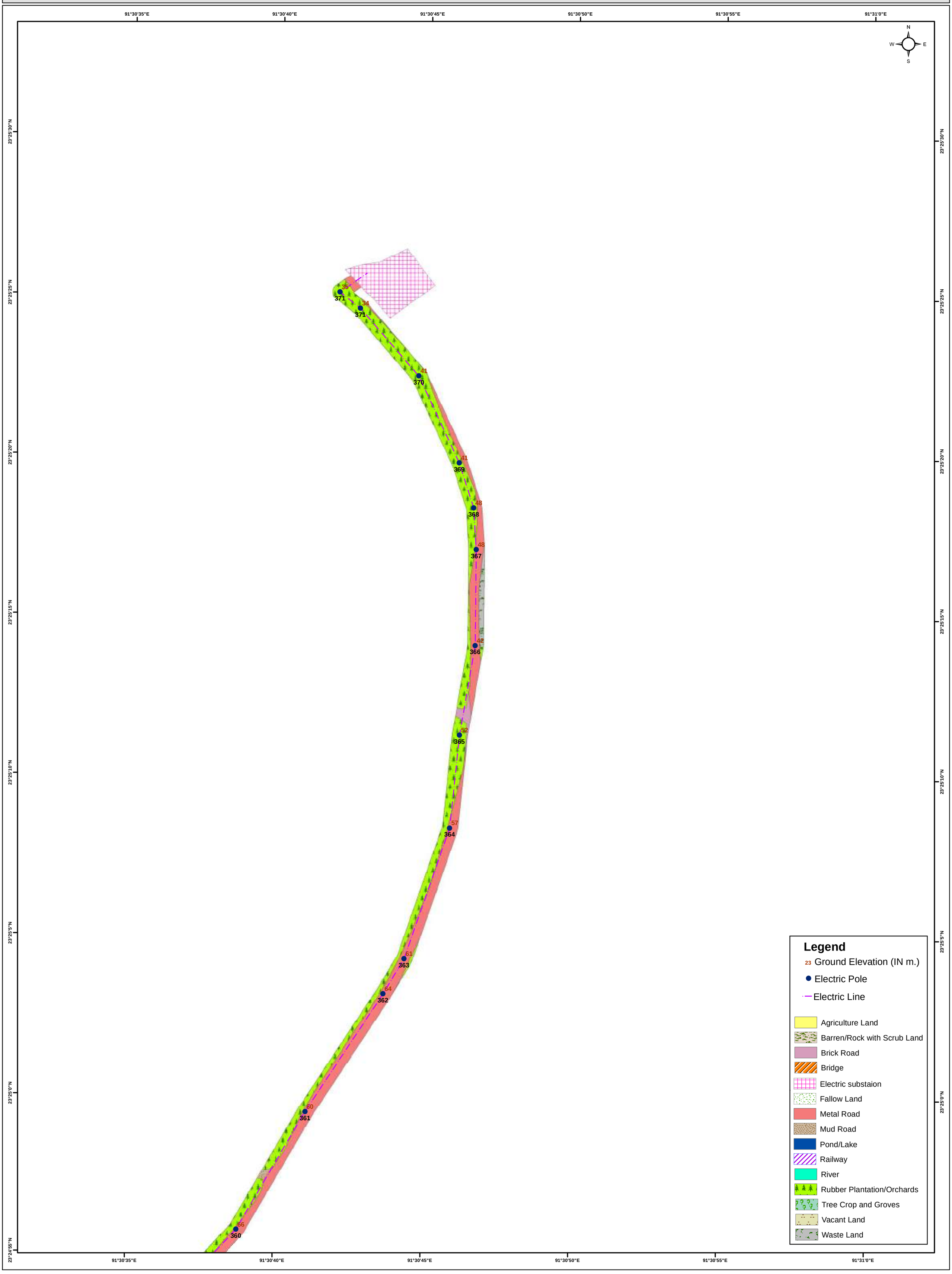
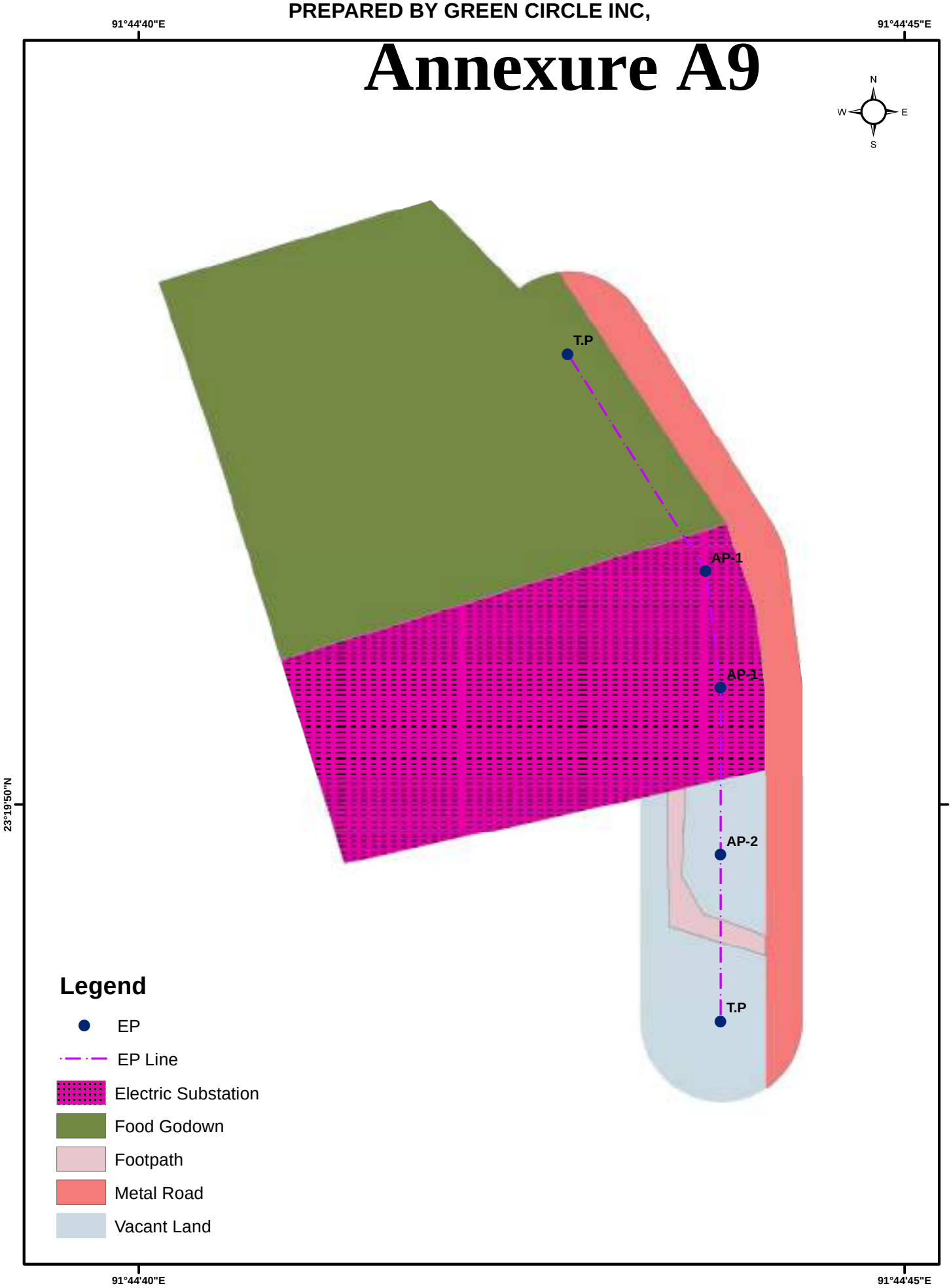


LAND USE/LAND COVER DETAILS OF
KARBOOK S/S -LILO POINT OF TIRTHAMUKH SILACHARI LINE
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,

Annexure A9



LAND USE/LAND COVER DETAILS OF PROPOSED 33 KV BELONIA S/S TO PROPOSED 33 KV CHITTAMARA S/S
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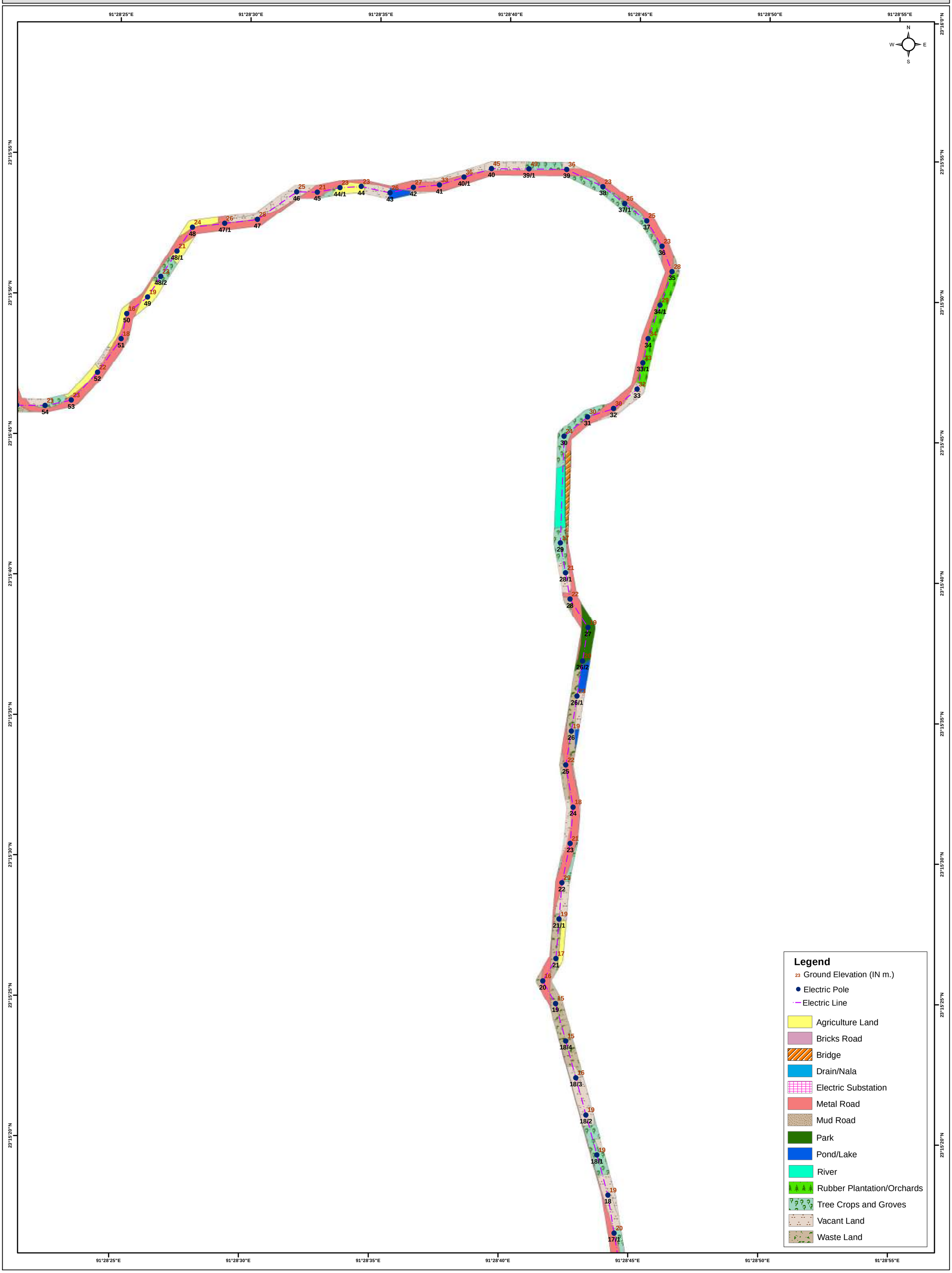

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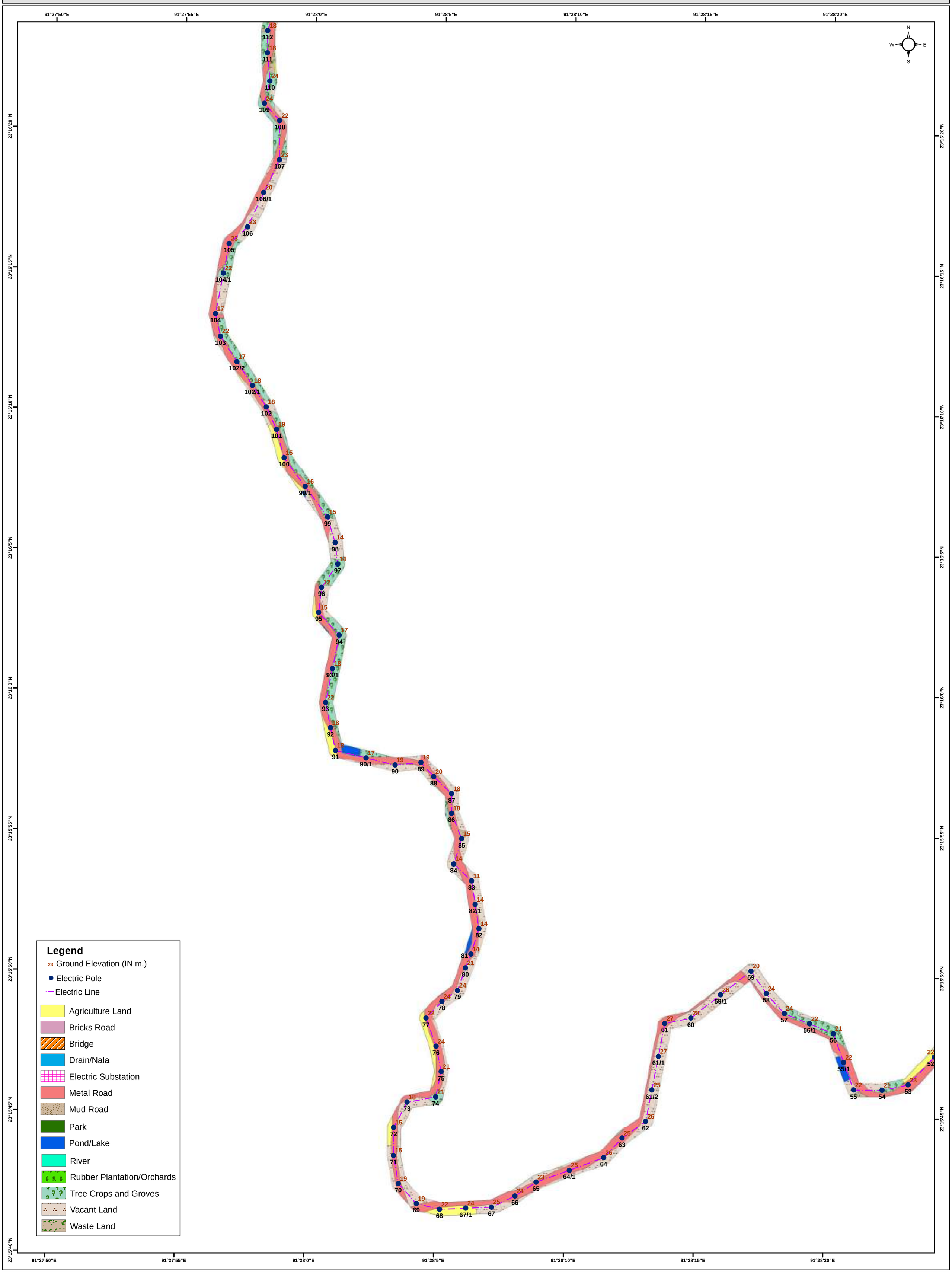

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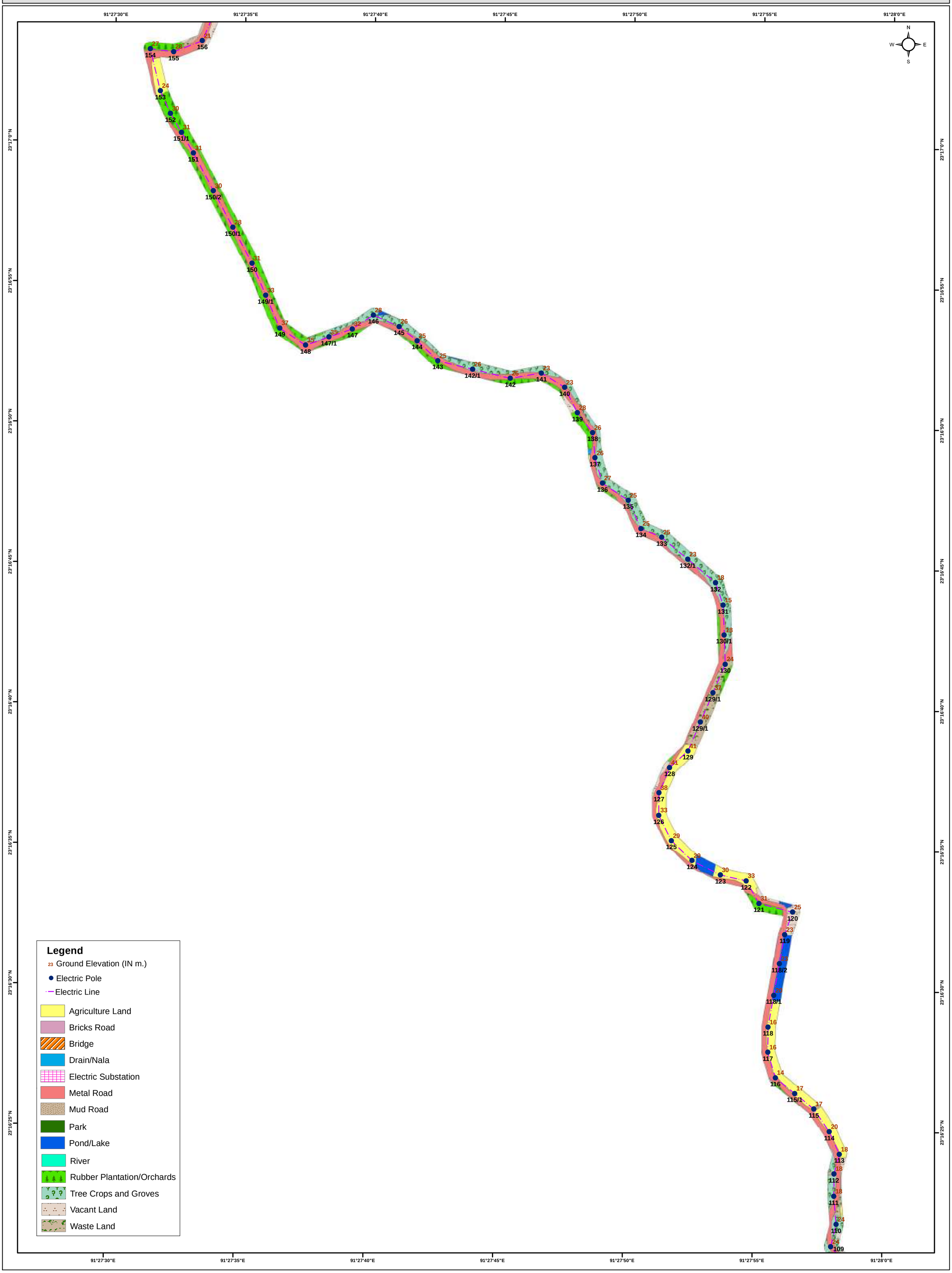

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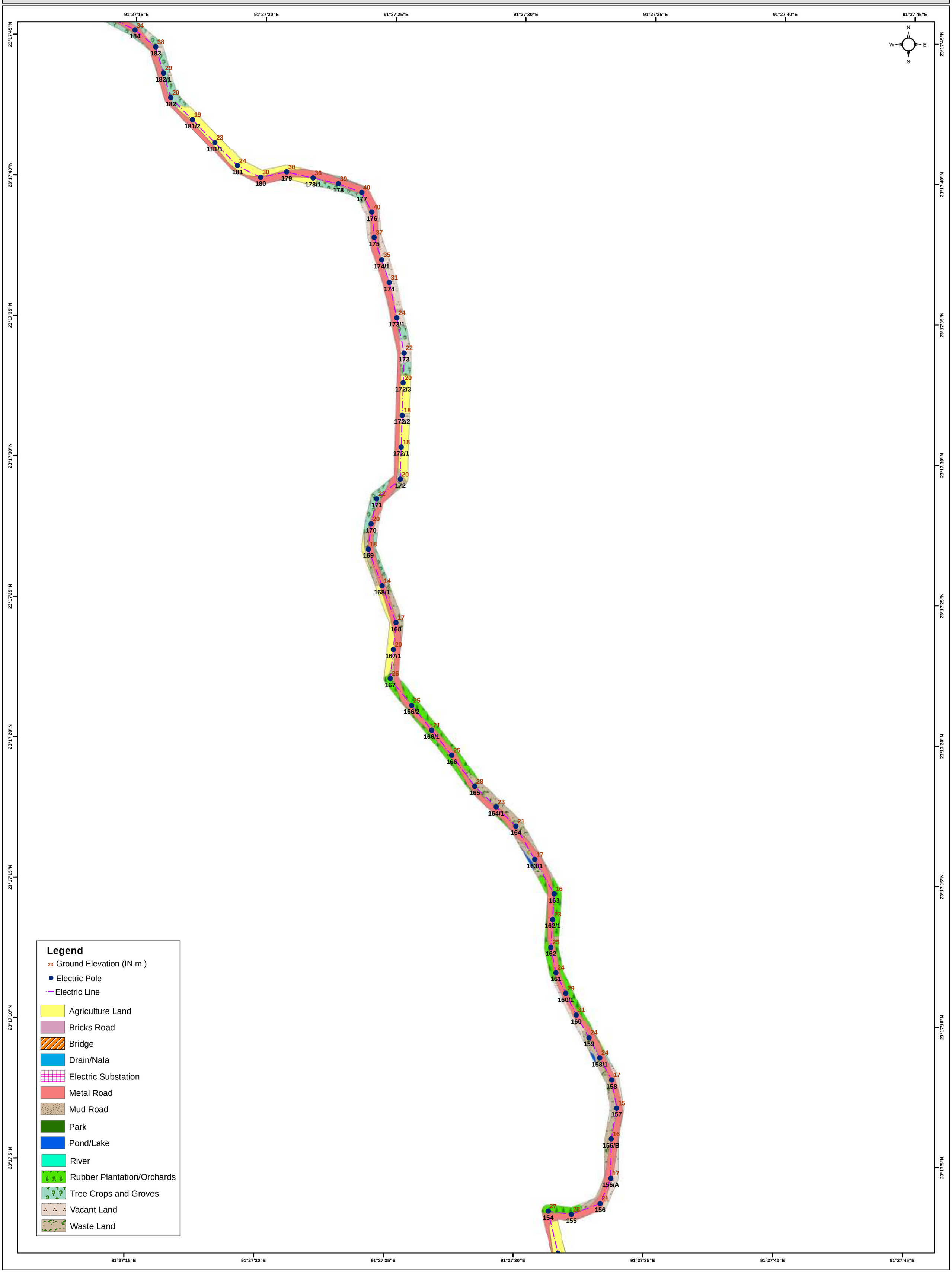

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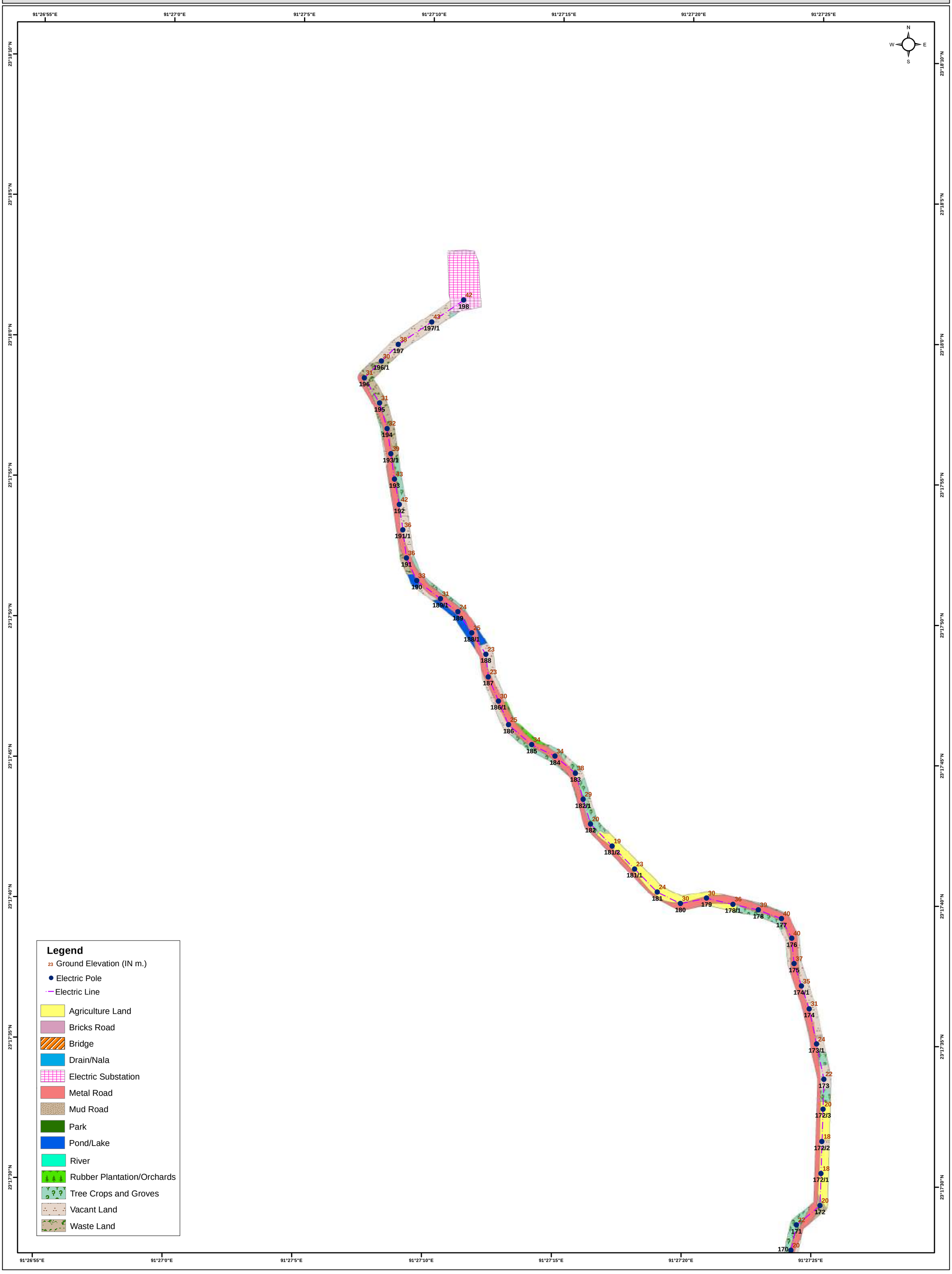
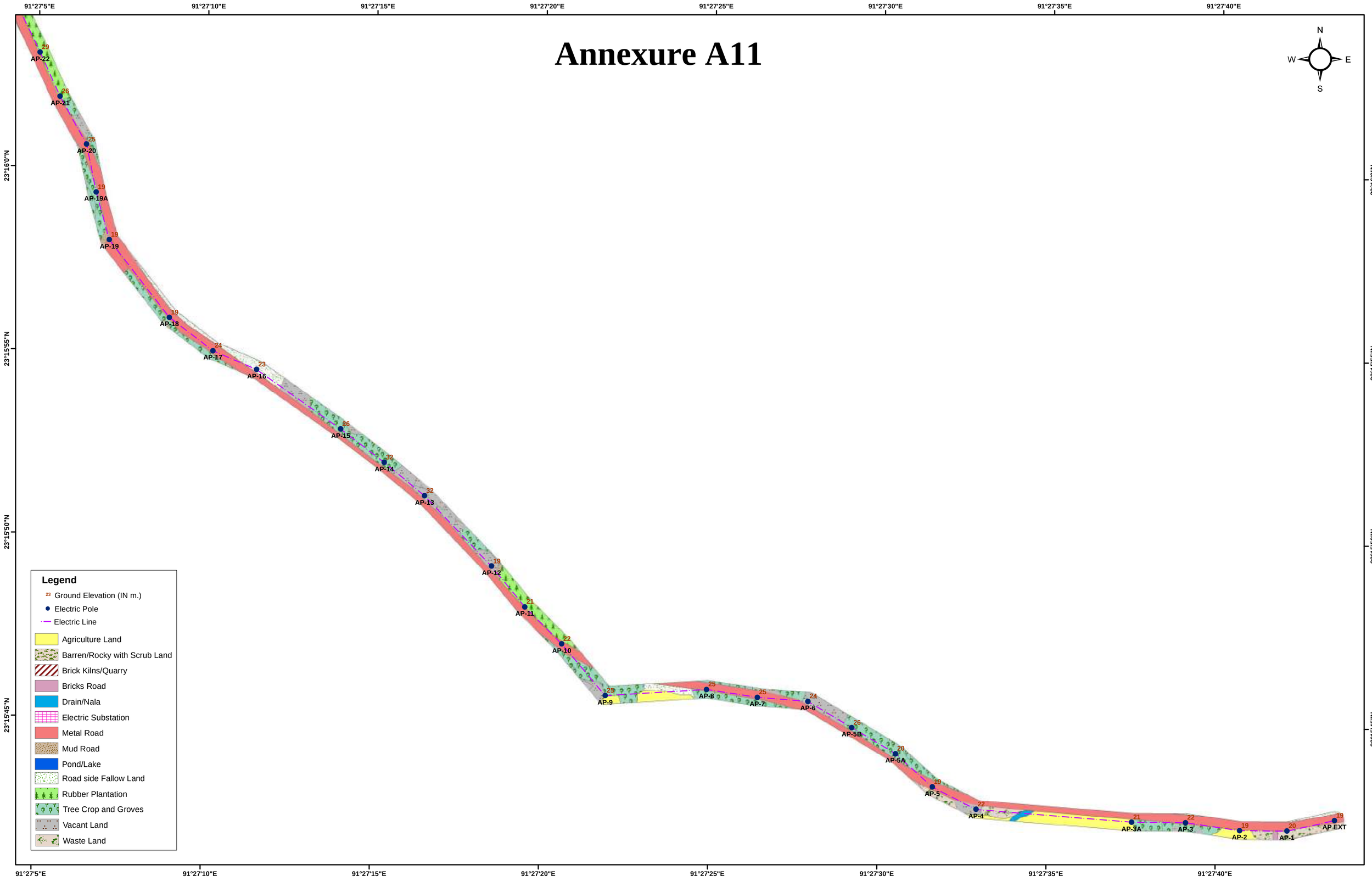


LAND USE/LAND COVER DETAILS OF 33 KV BELONIA TO RAJNAGAR LINE AT PROPOSED BARPATHARI S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



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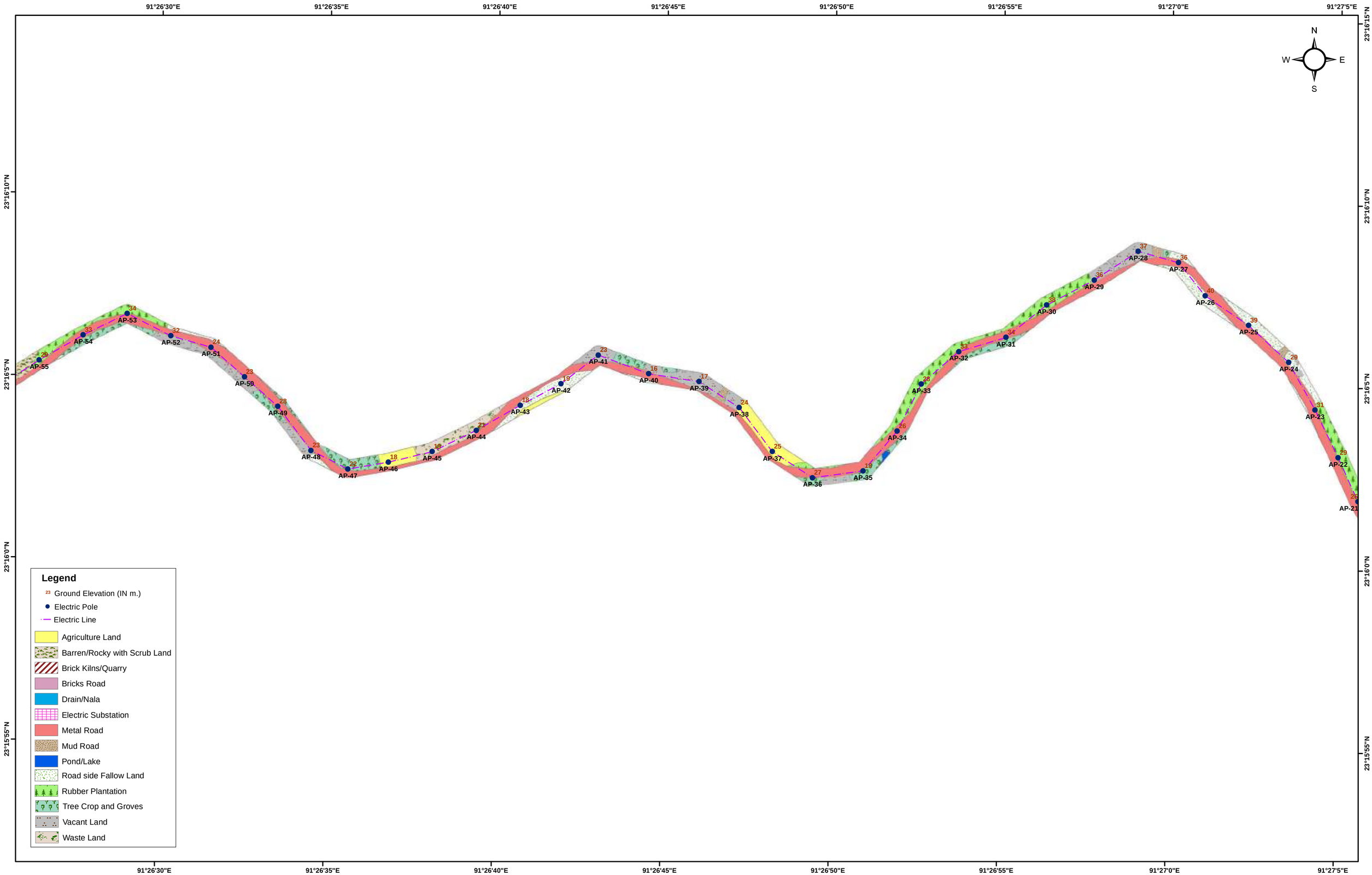

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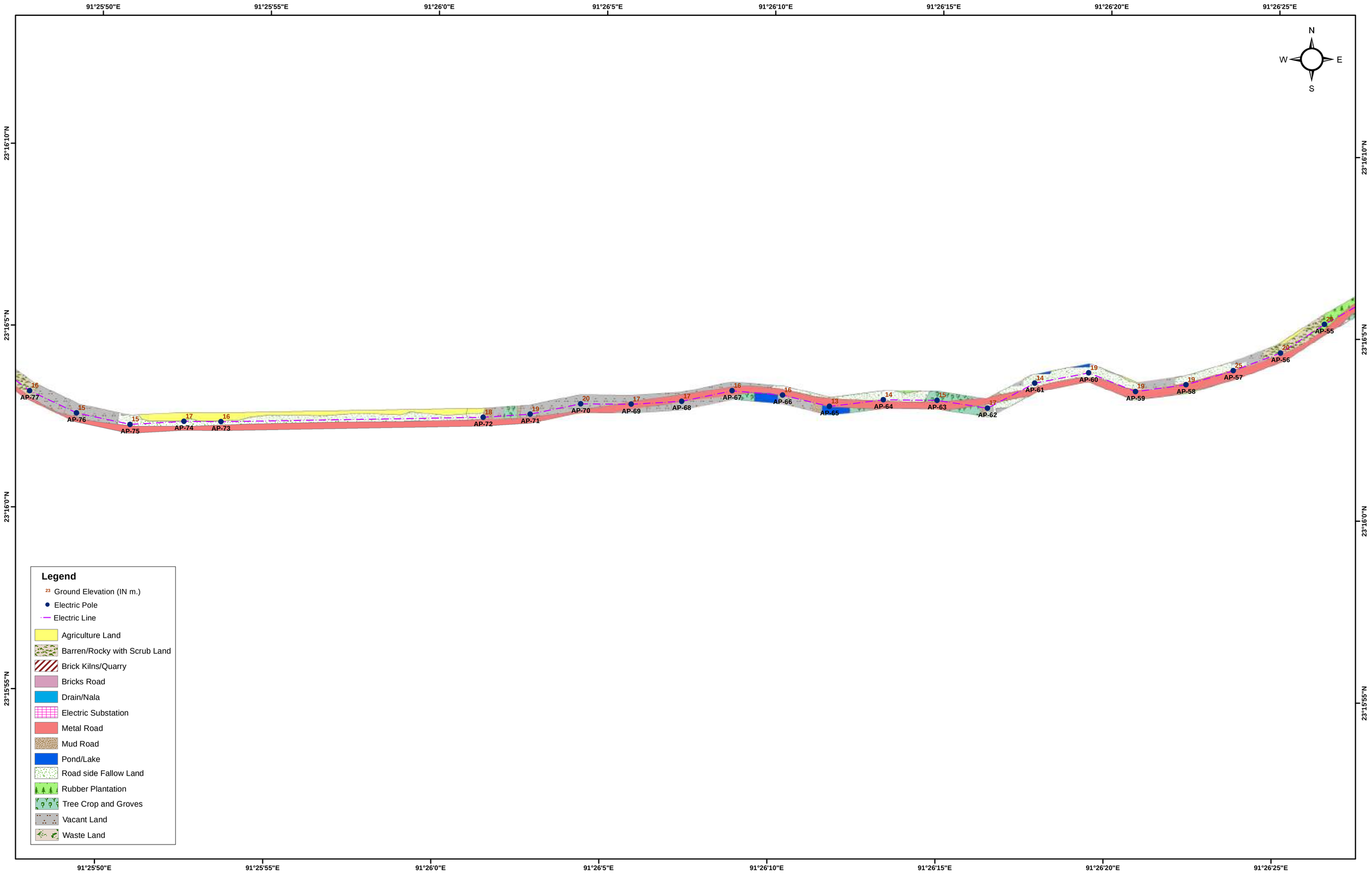

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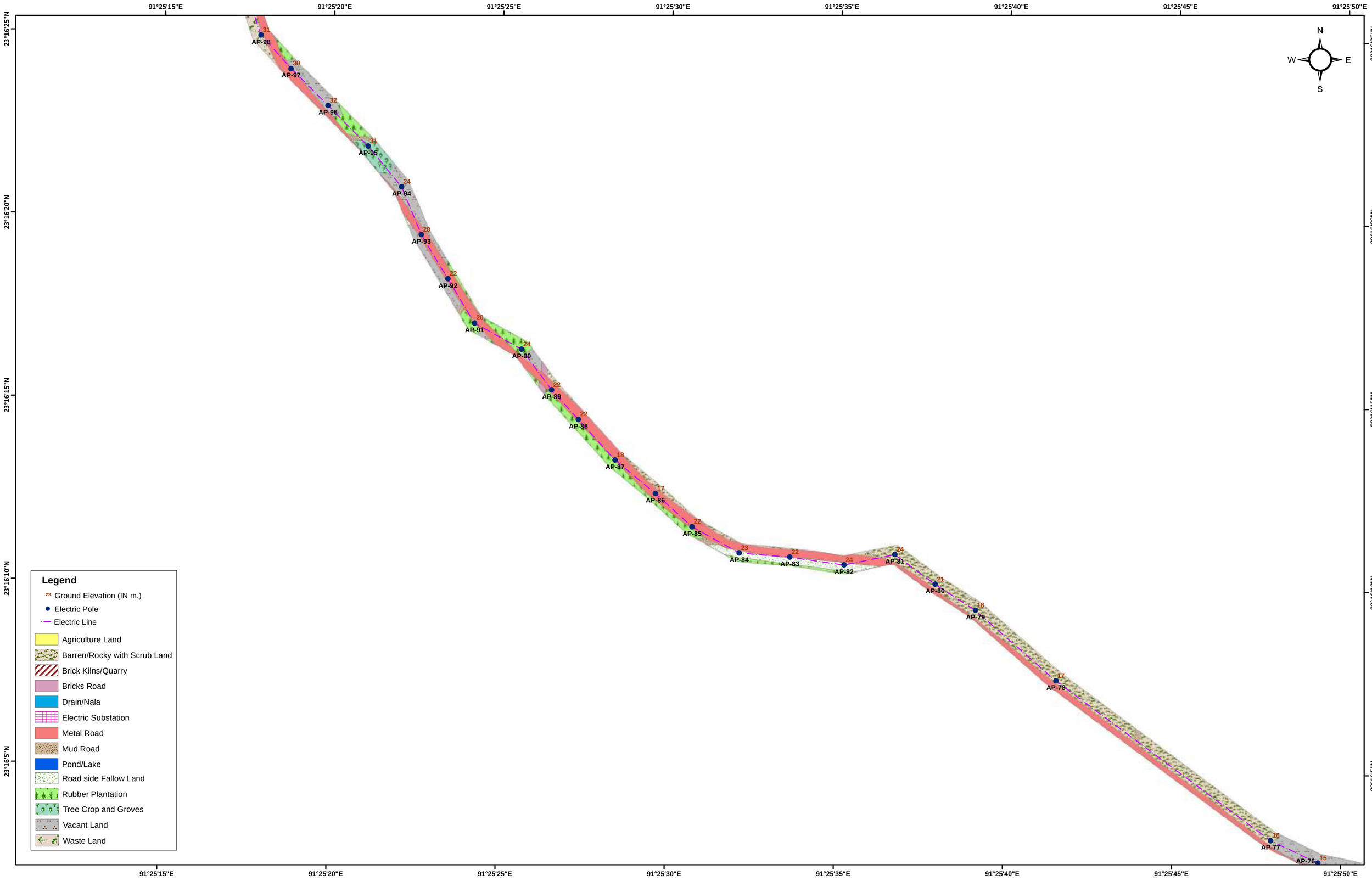

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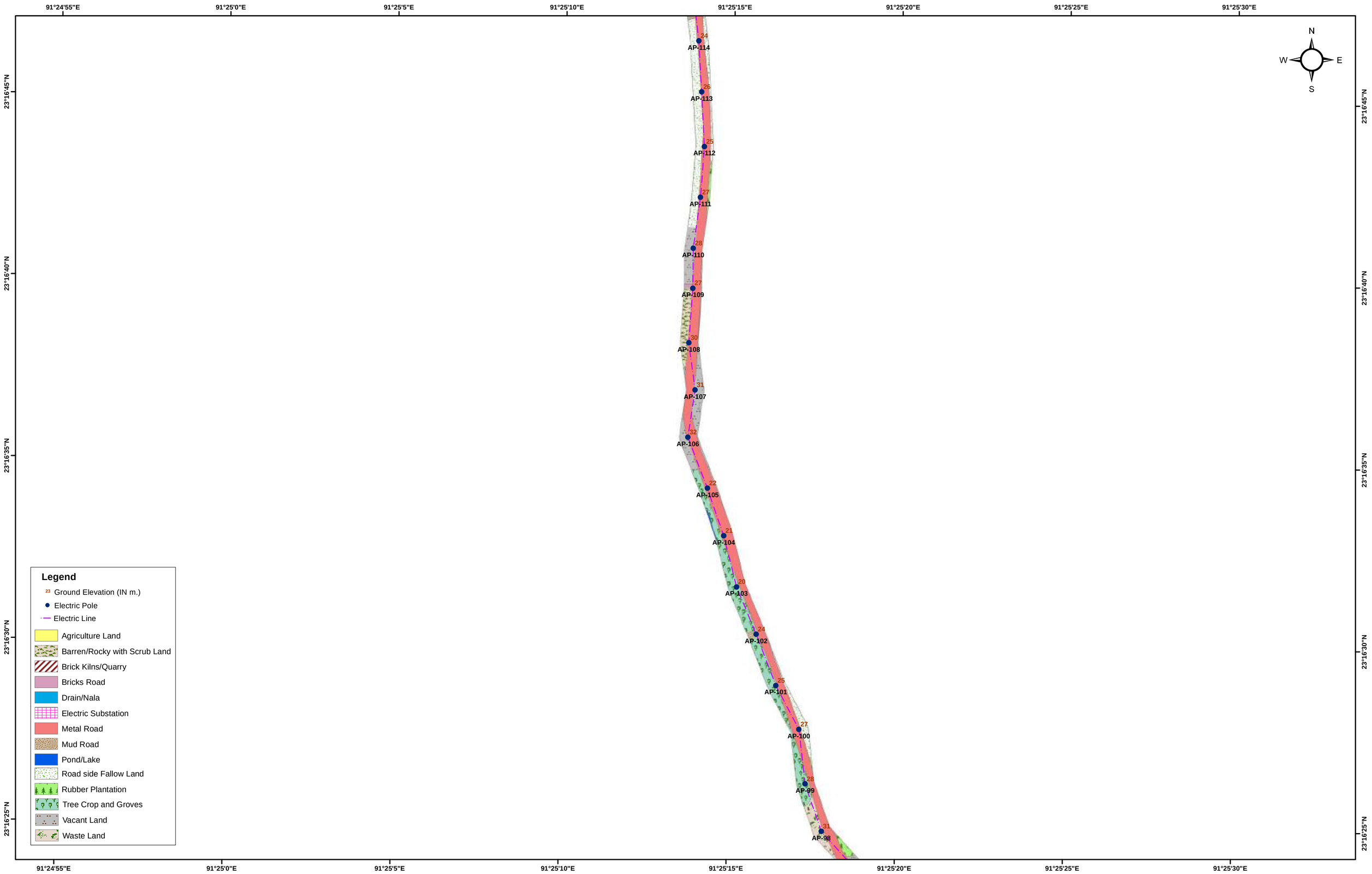

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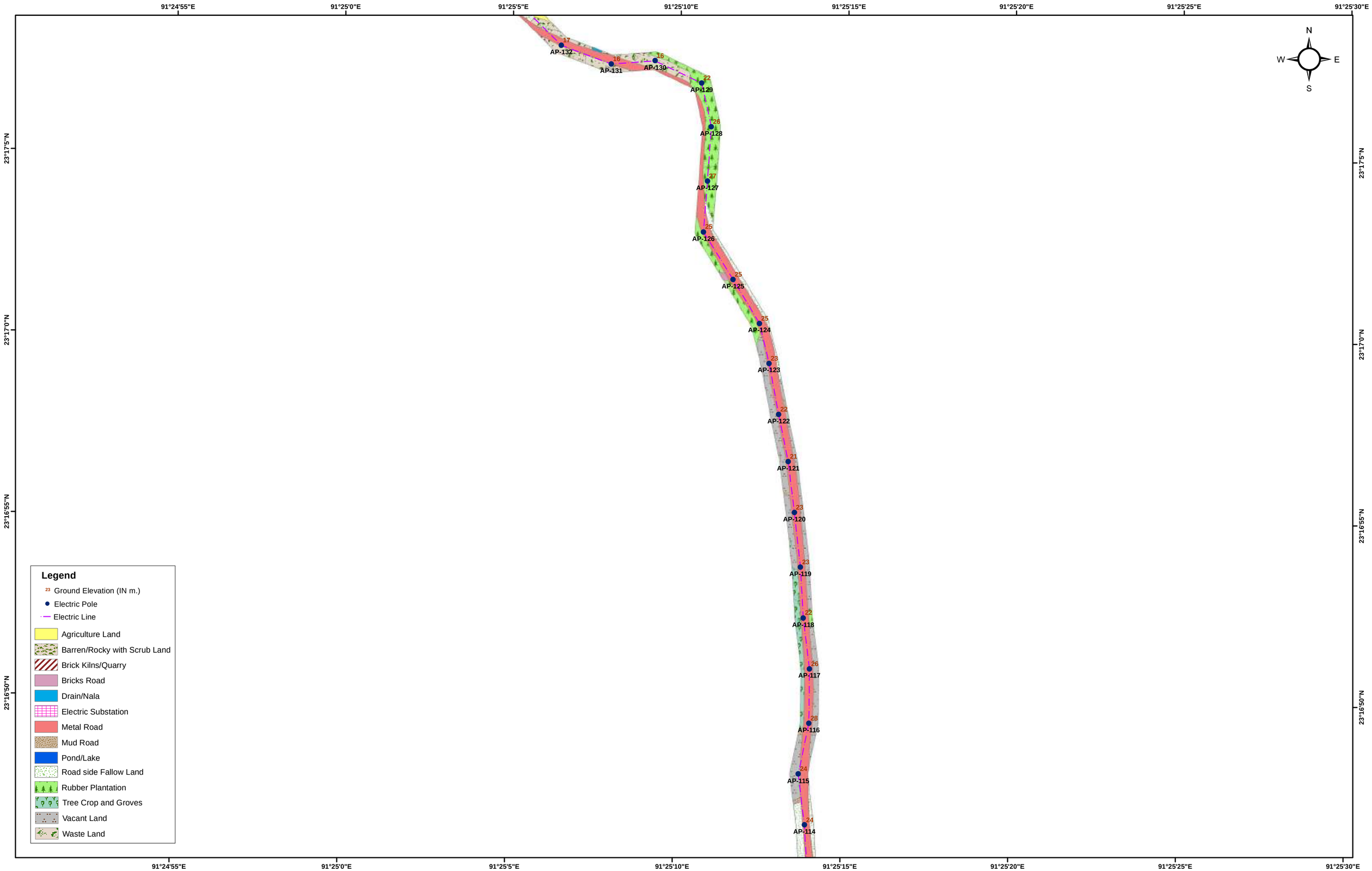

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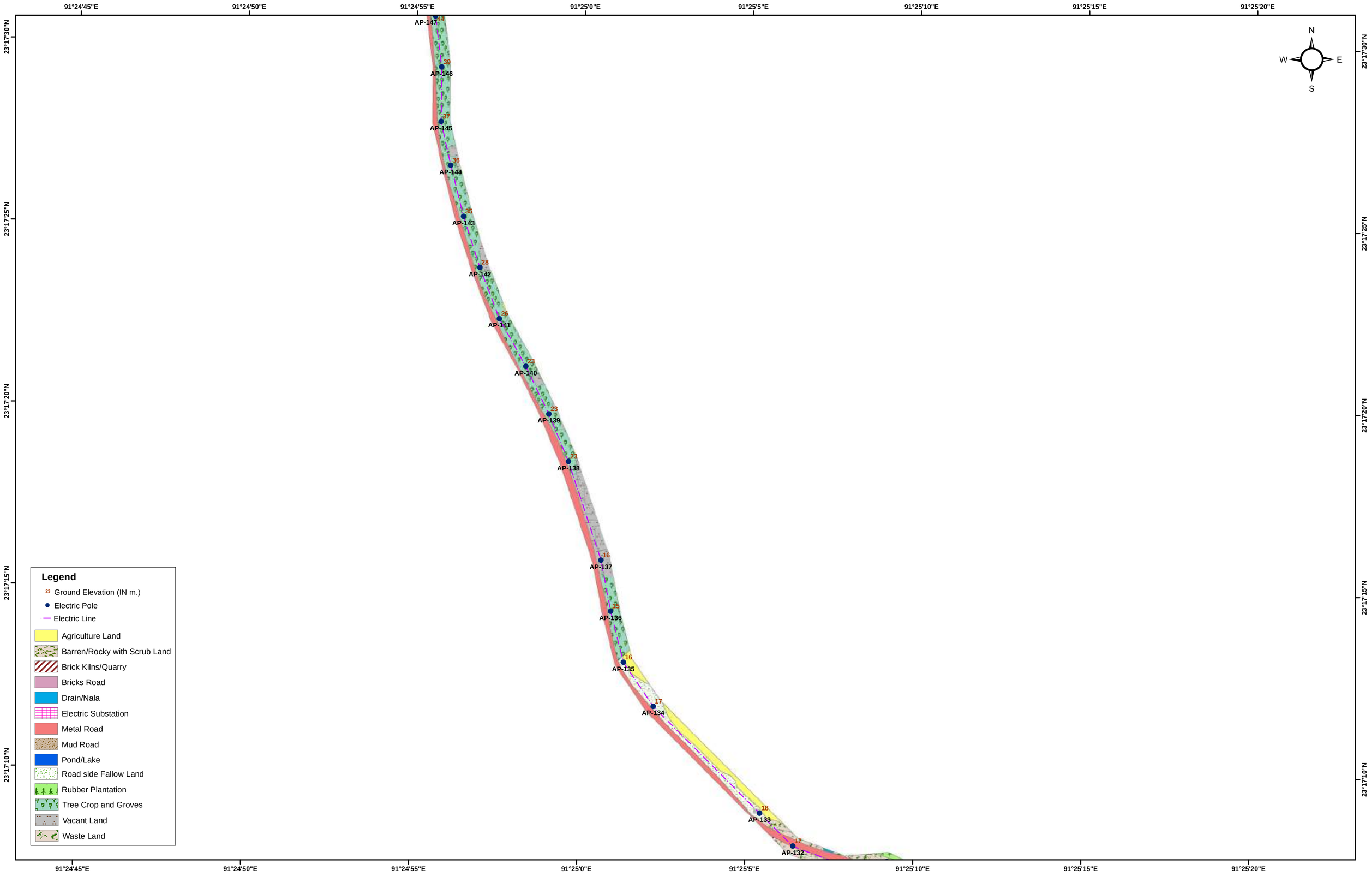

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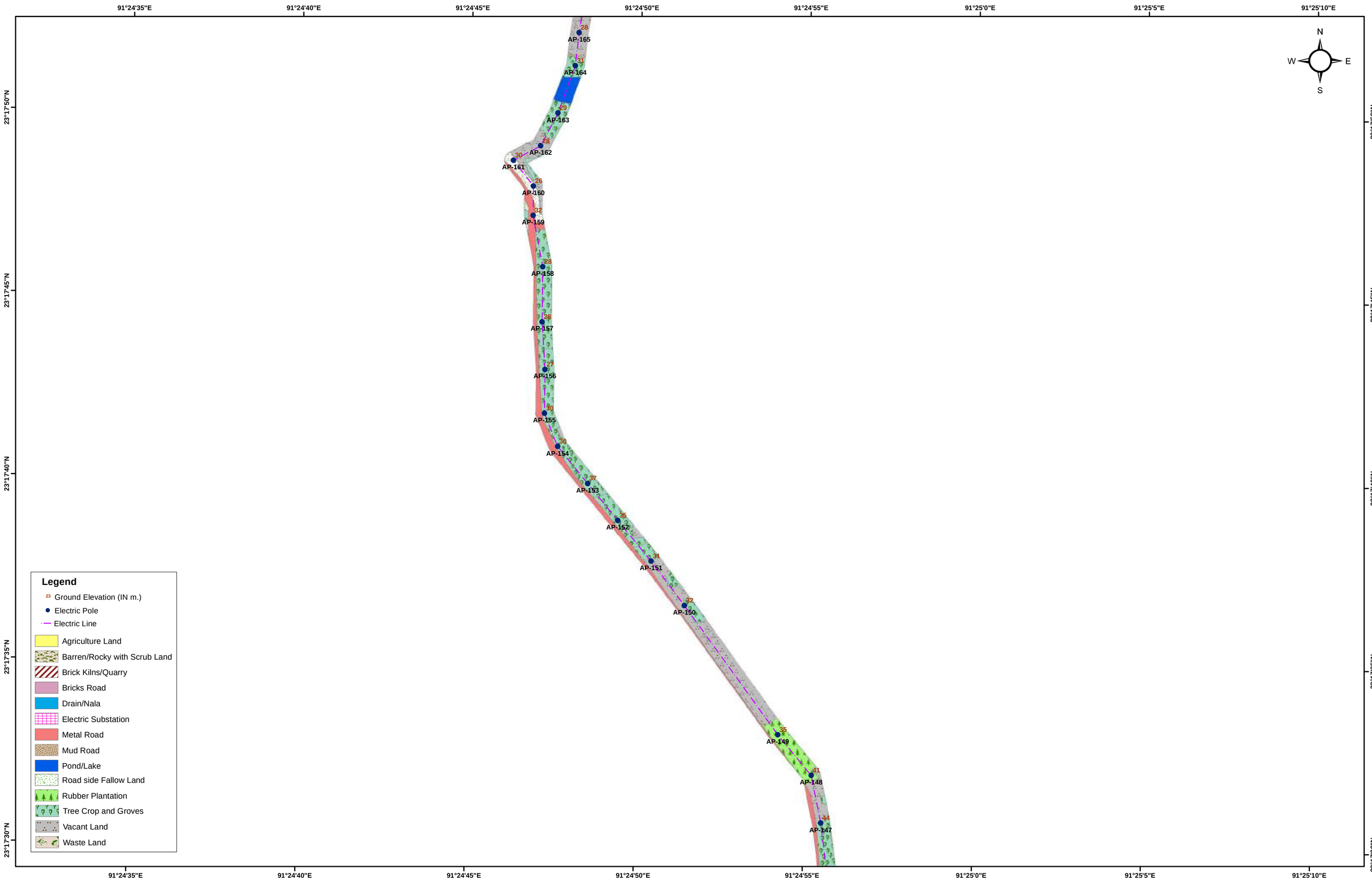

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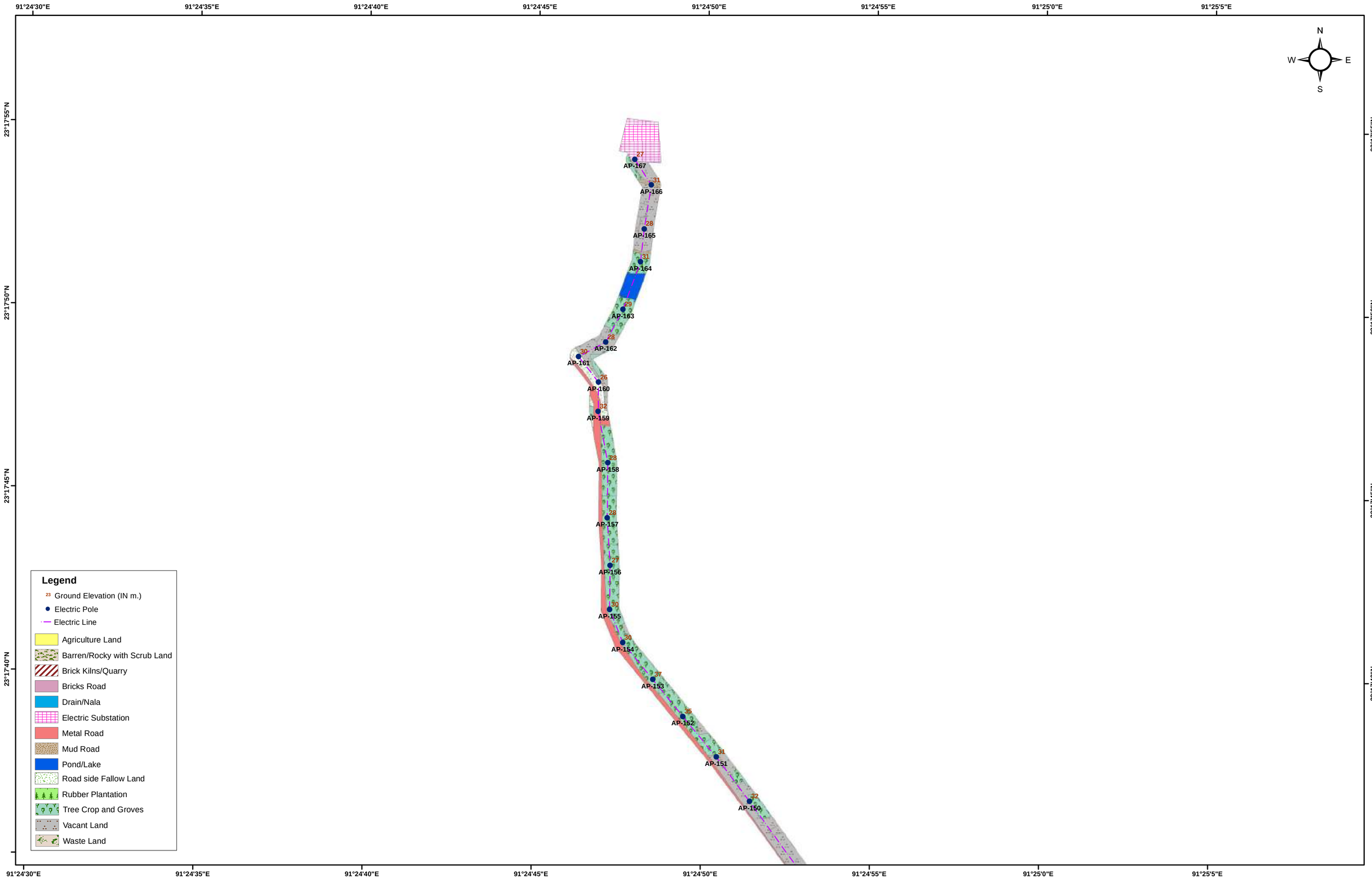

LAND USE/LAND COVER DETAILS OF EXISTING 33/11 KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S
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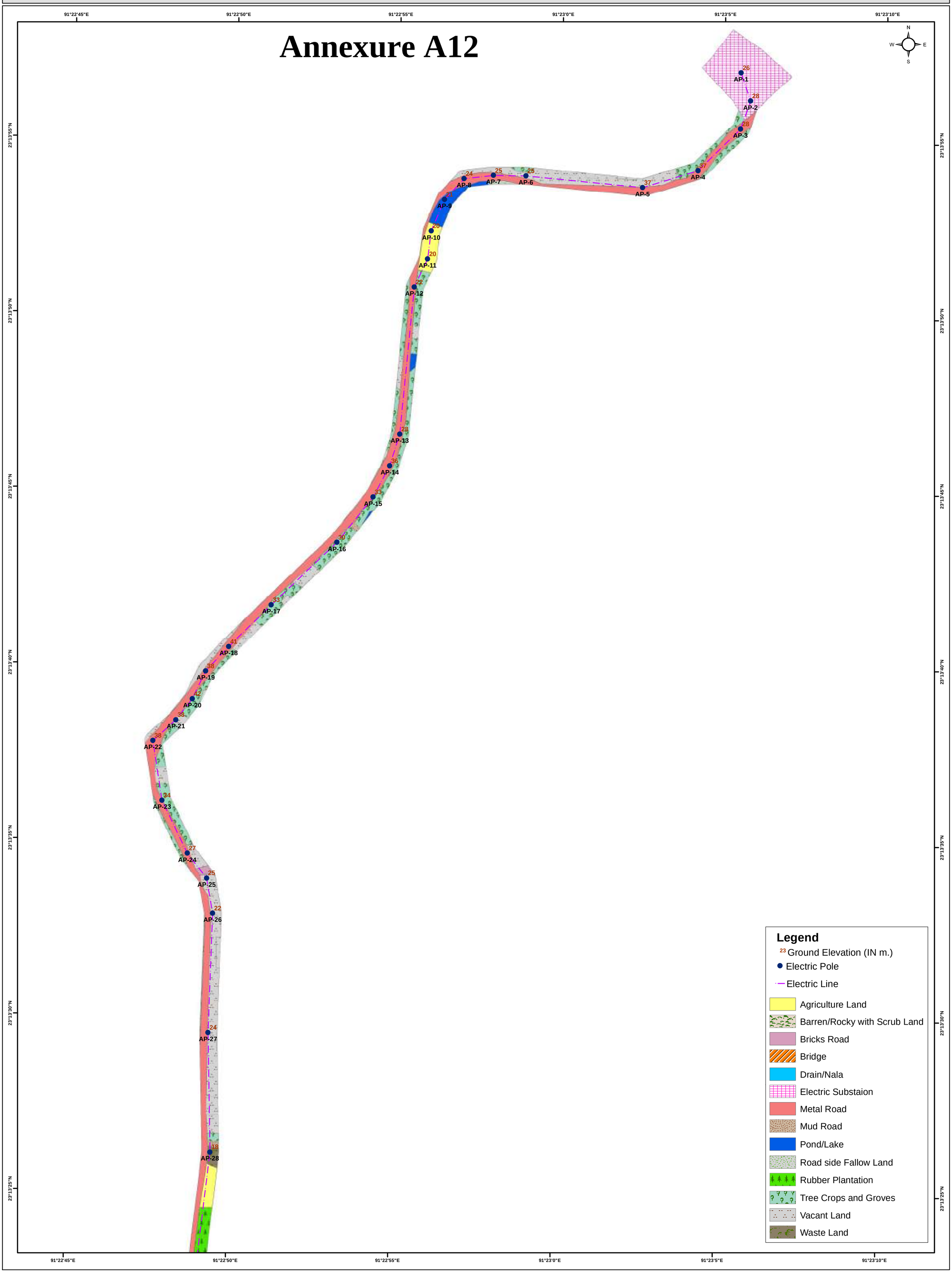

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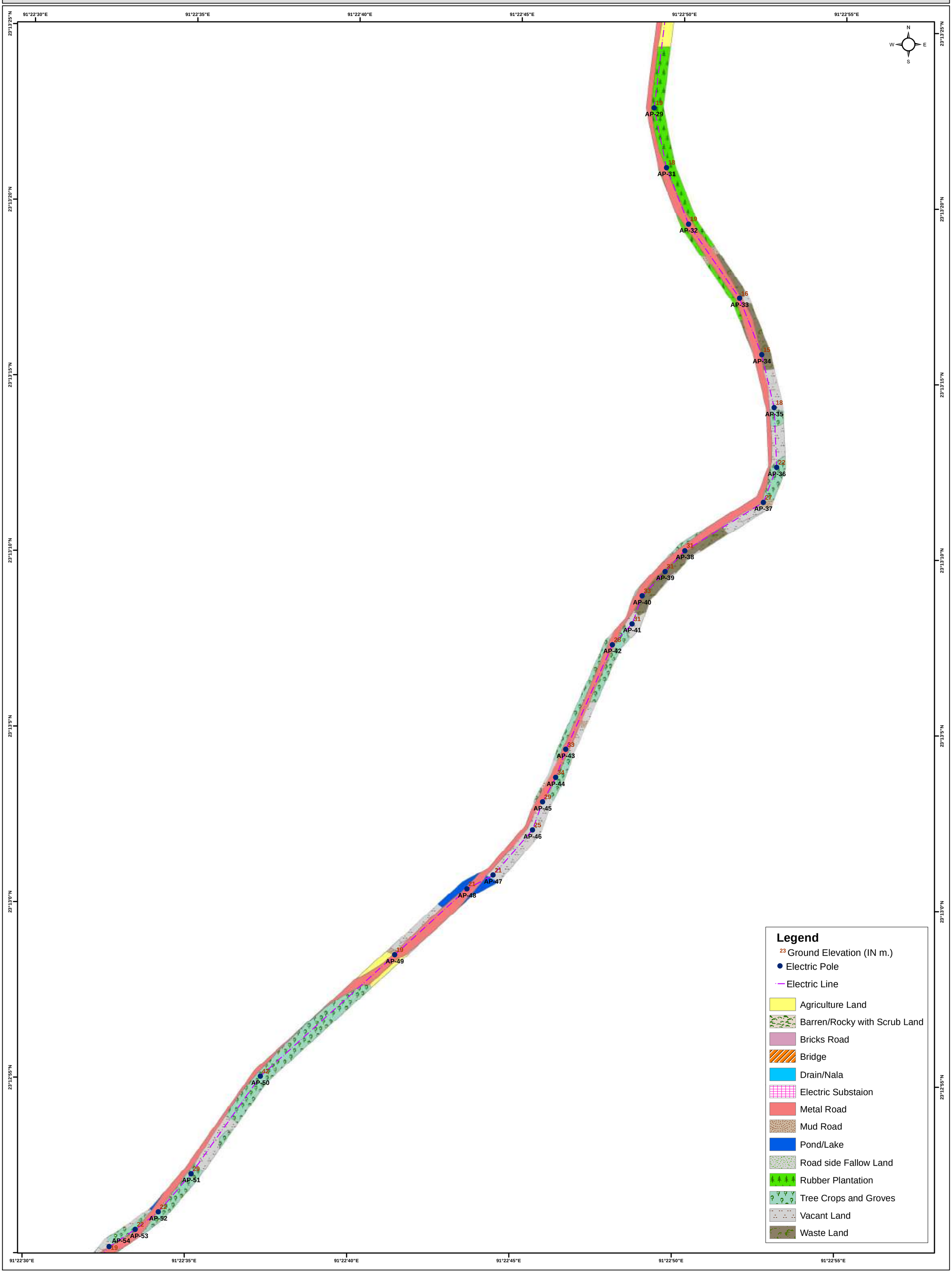

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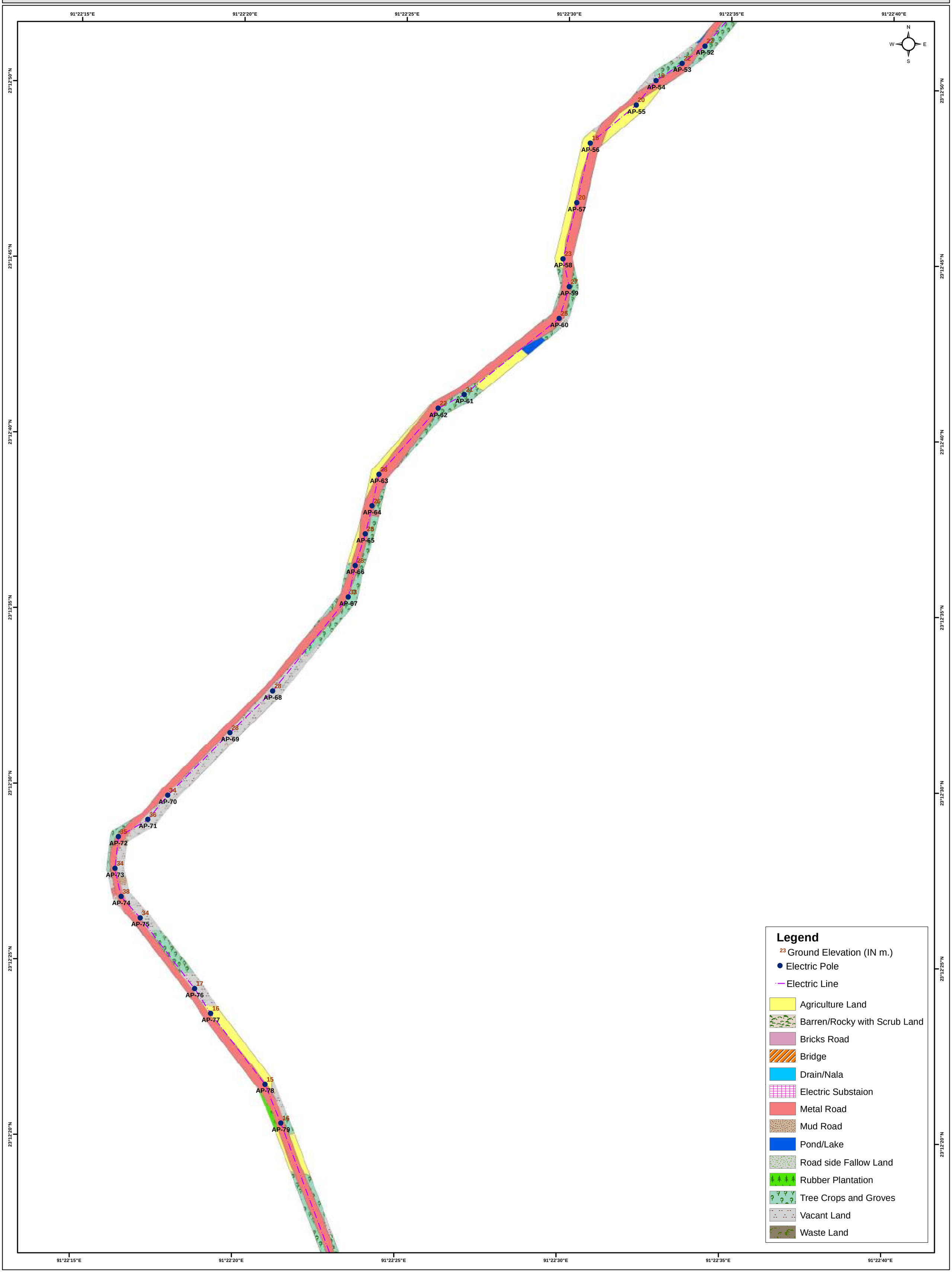

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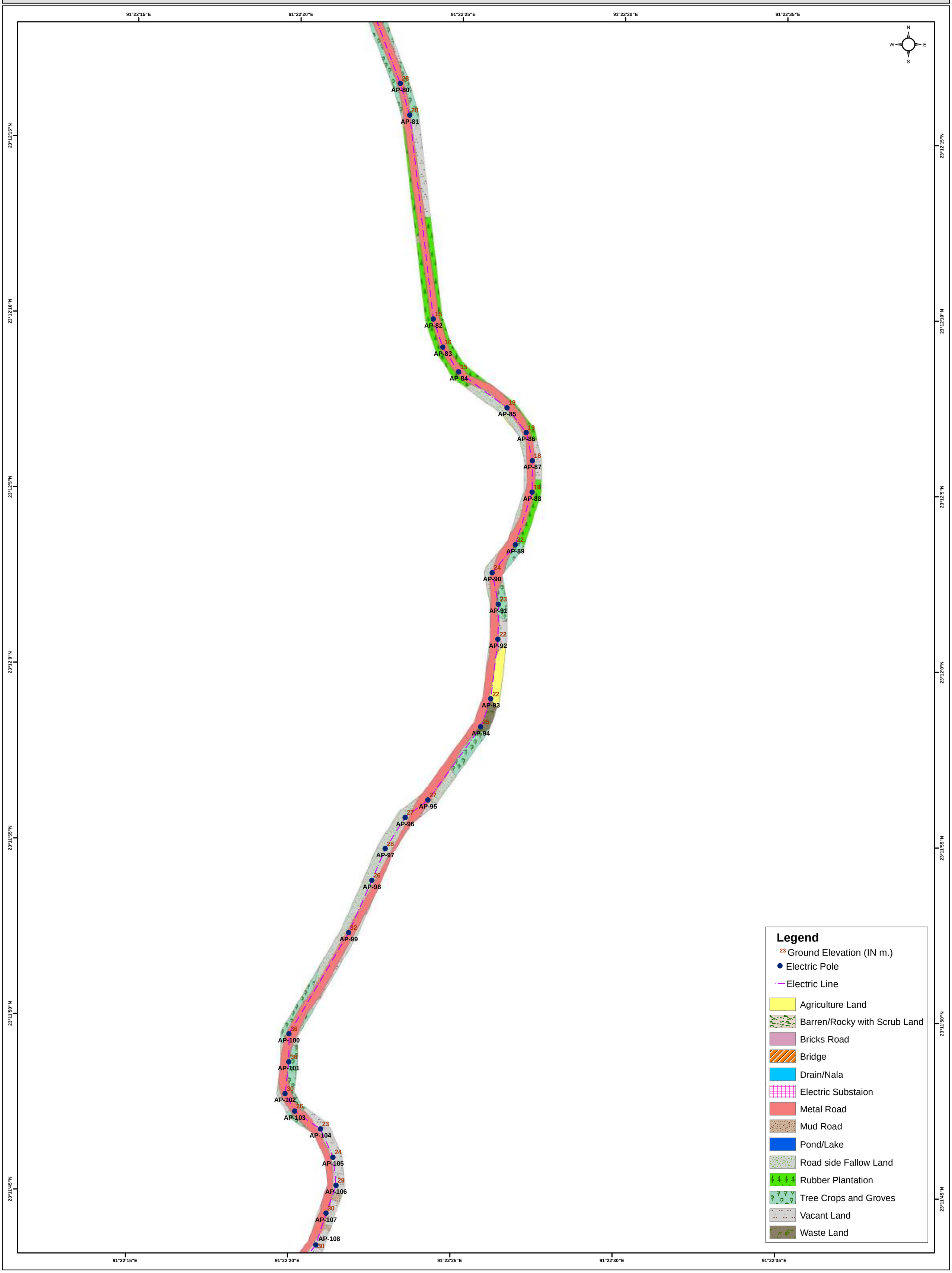

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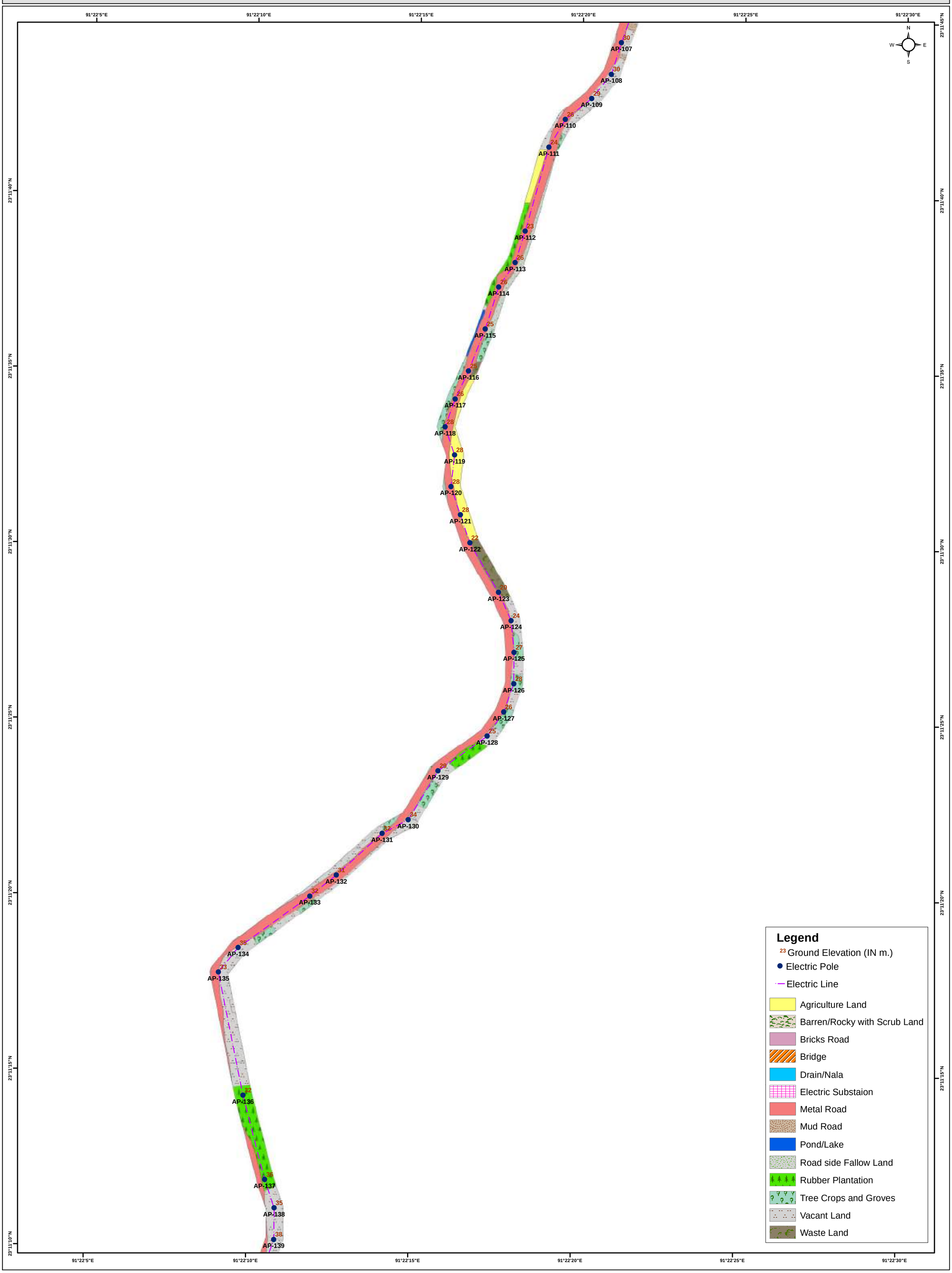

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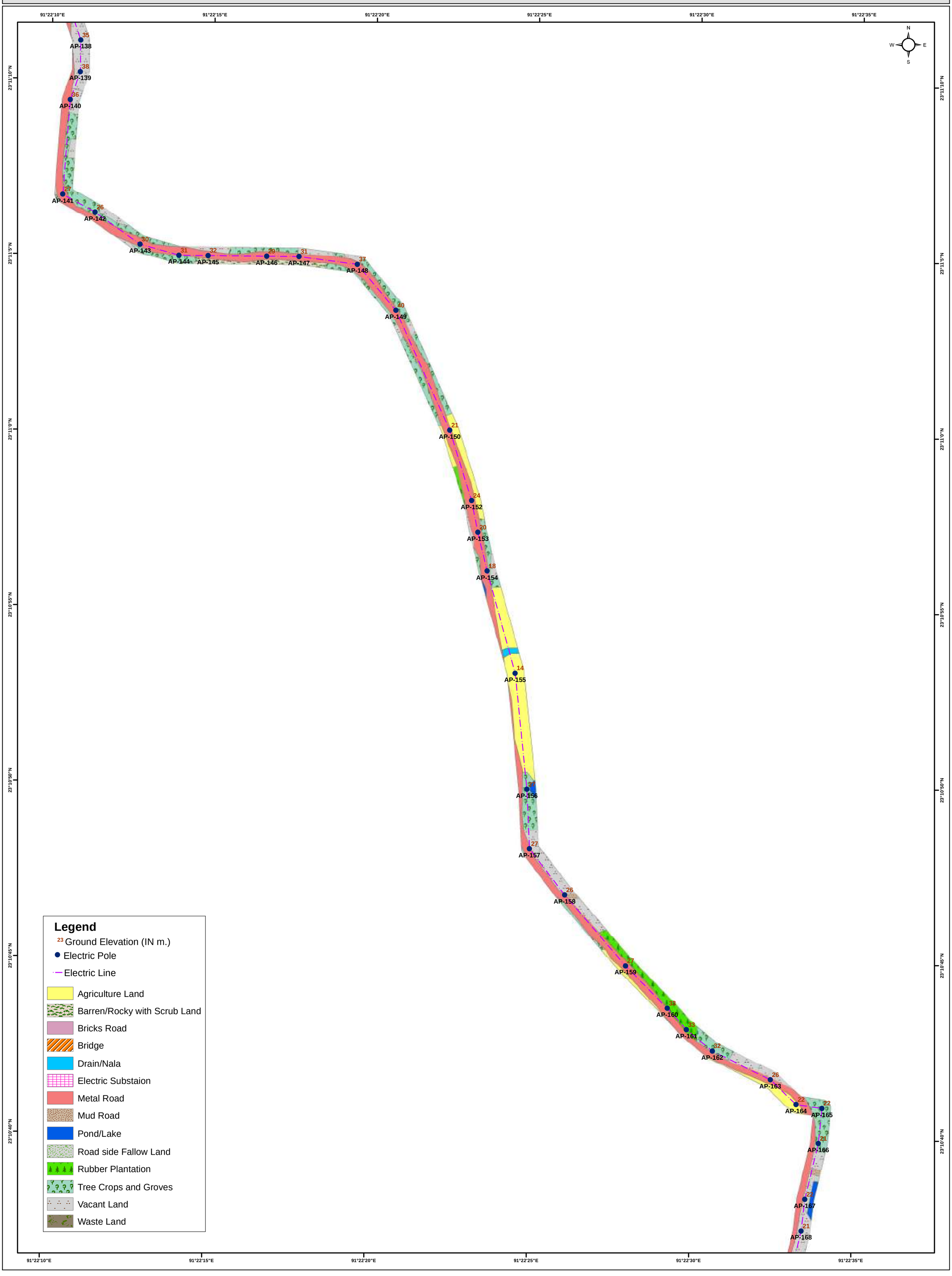

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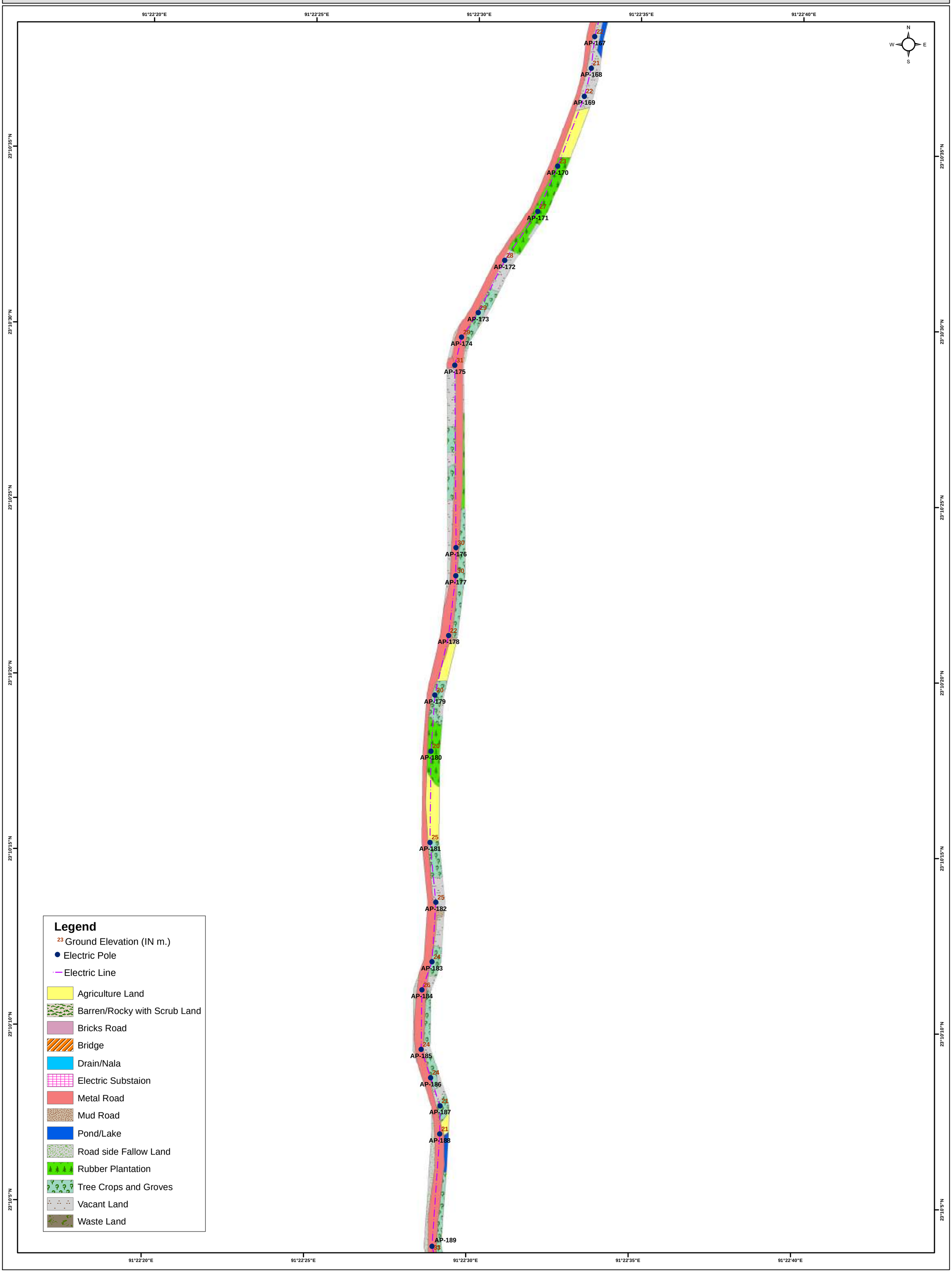

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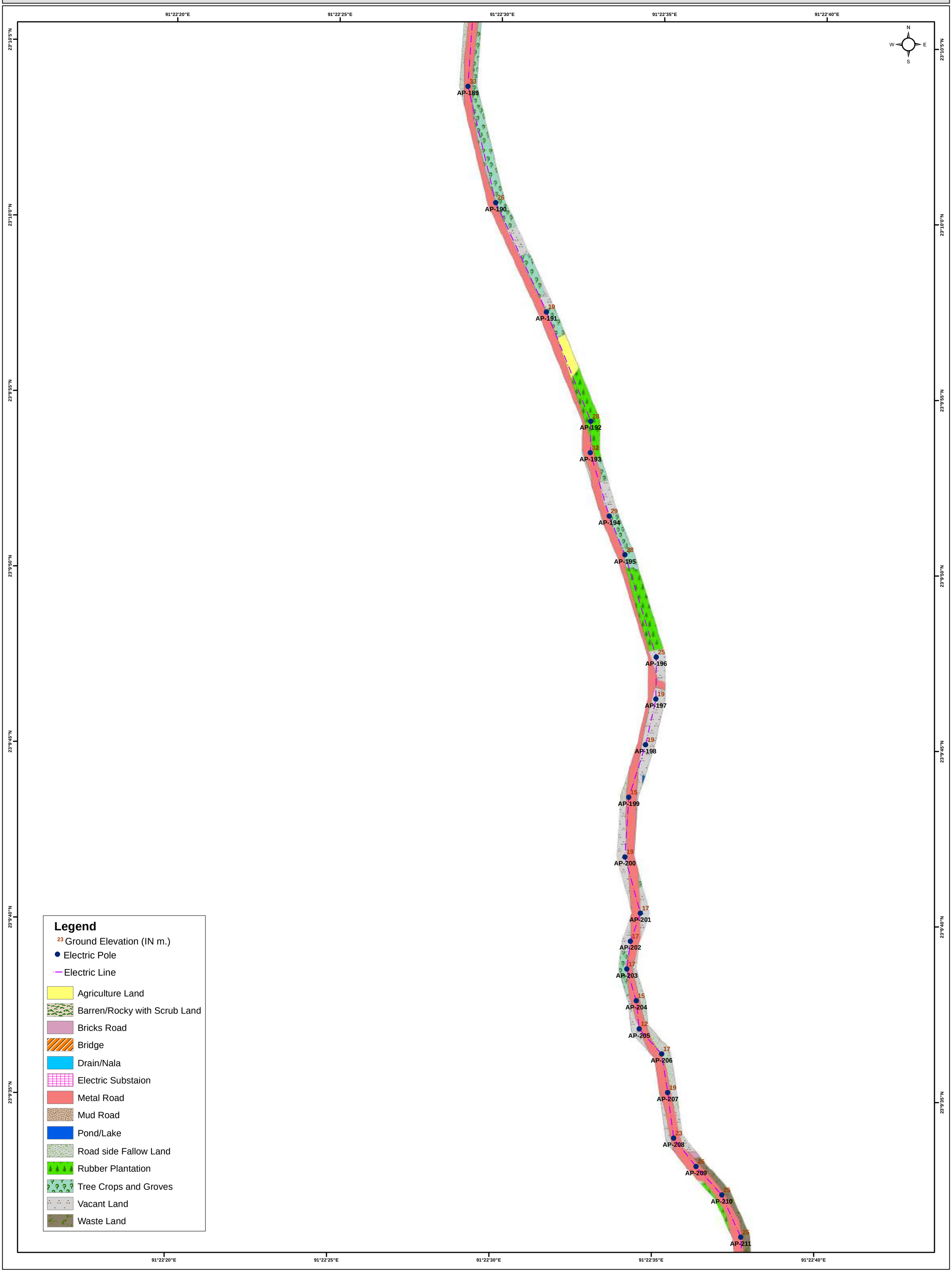

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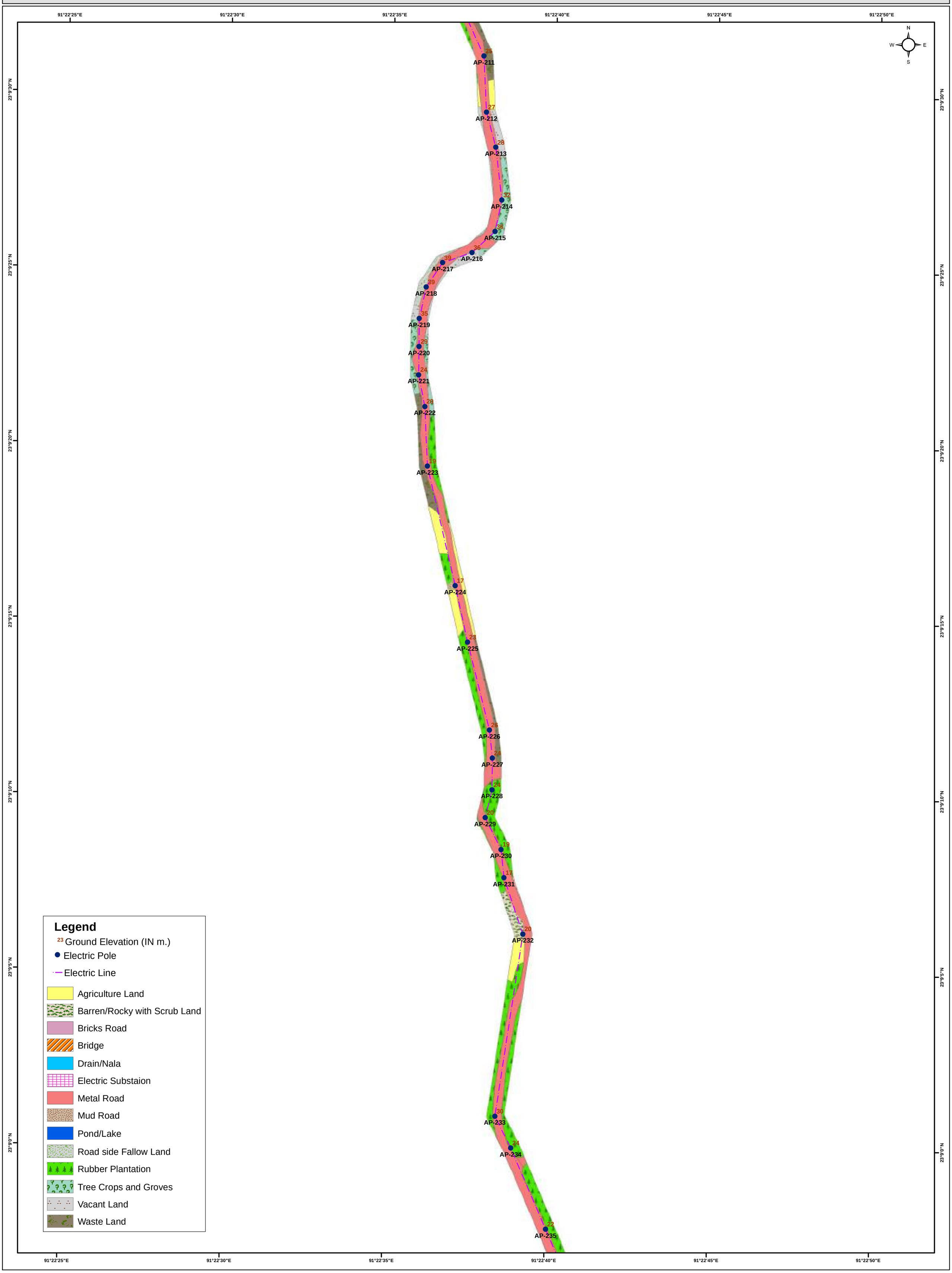

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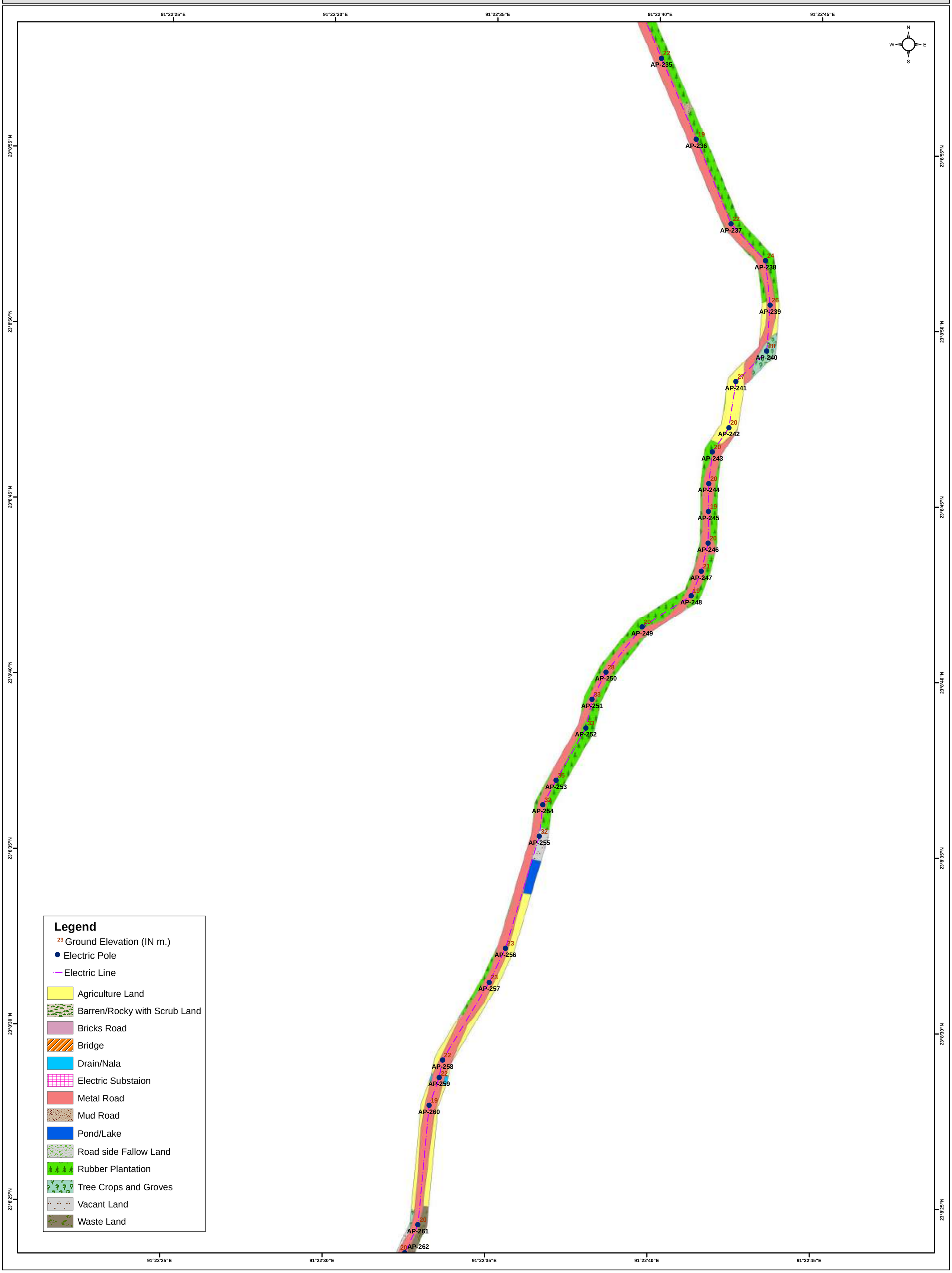

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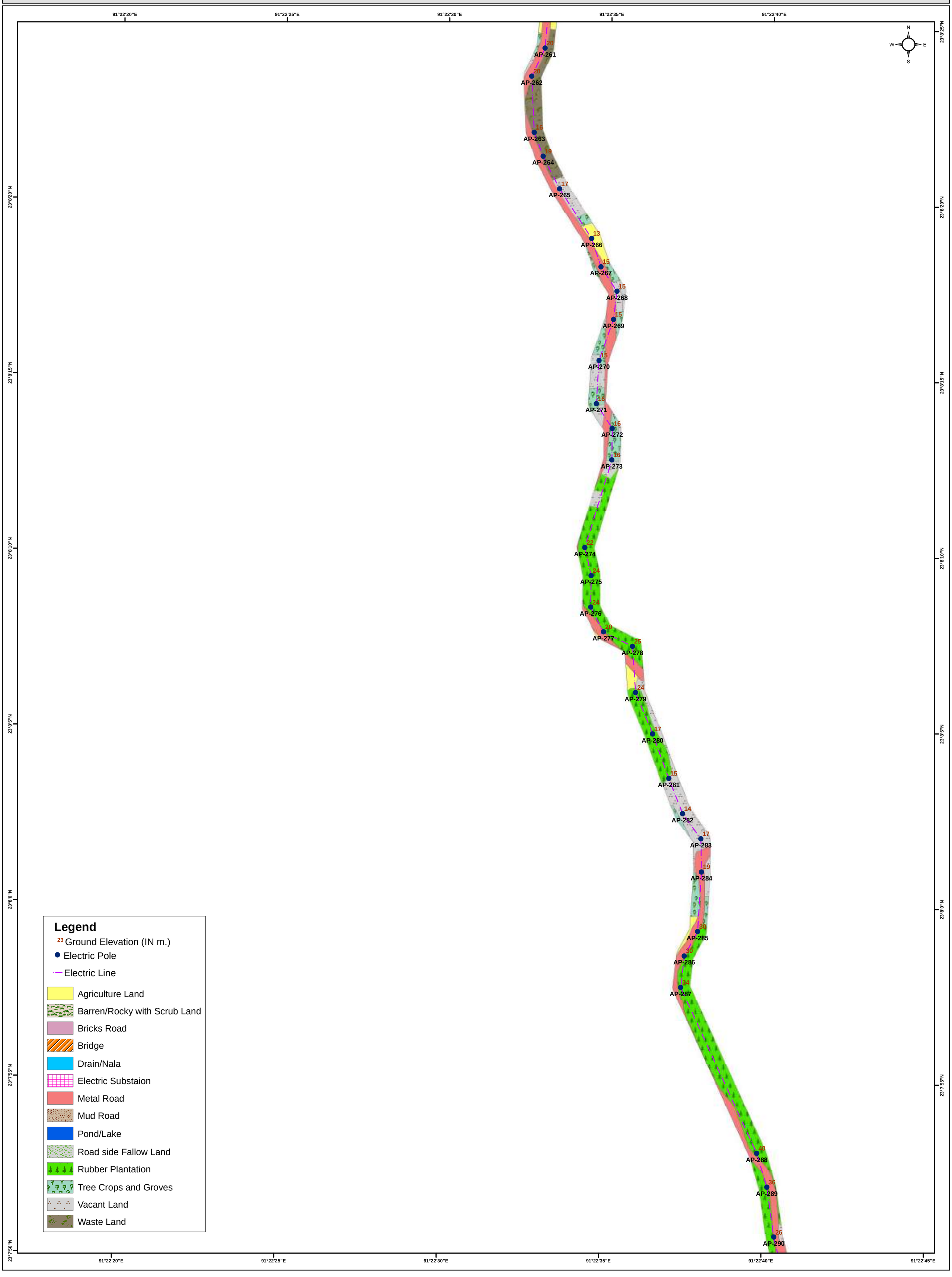
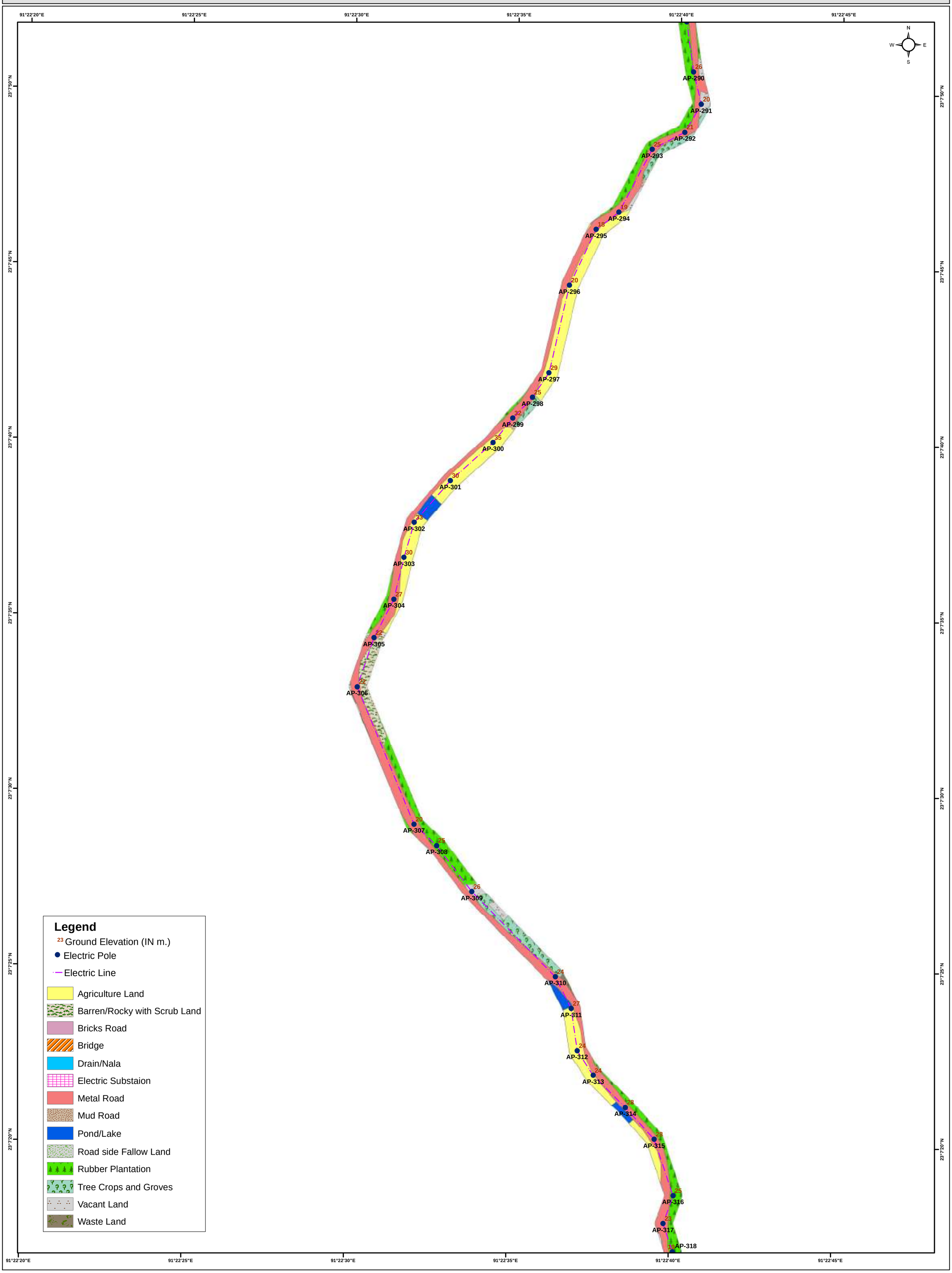
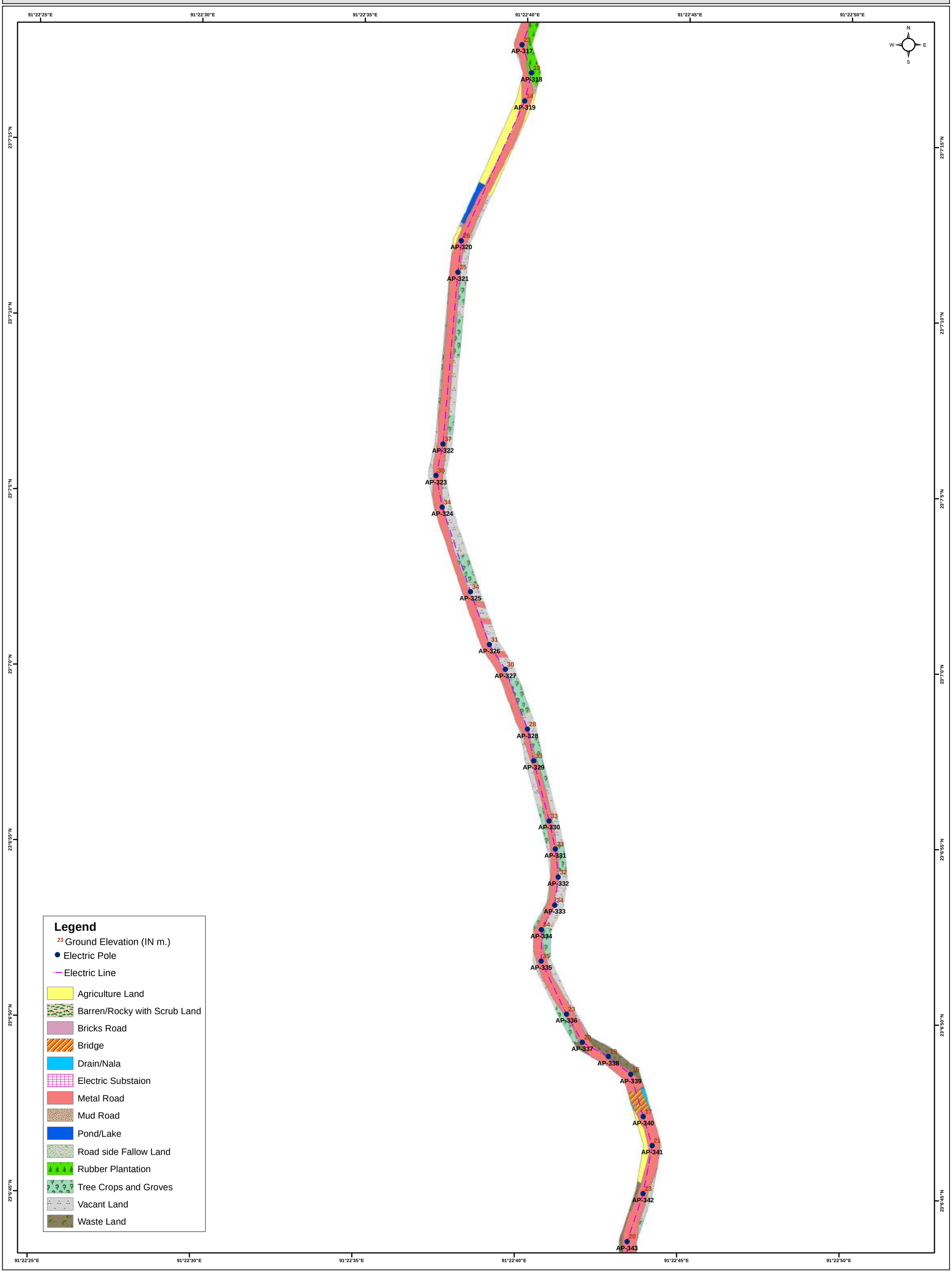


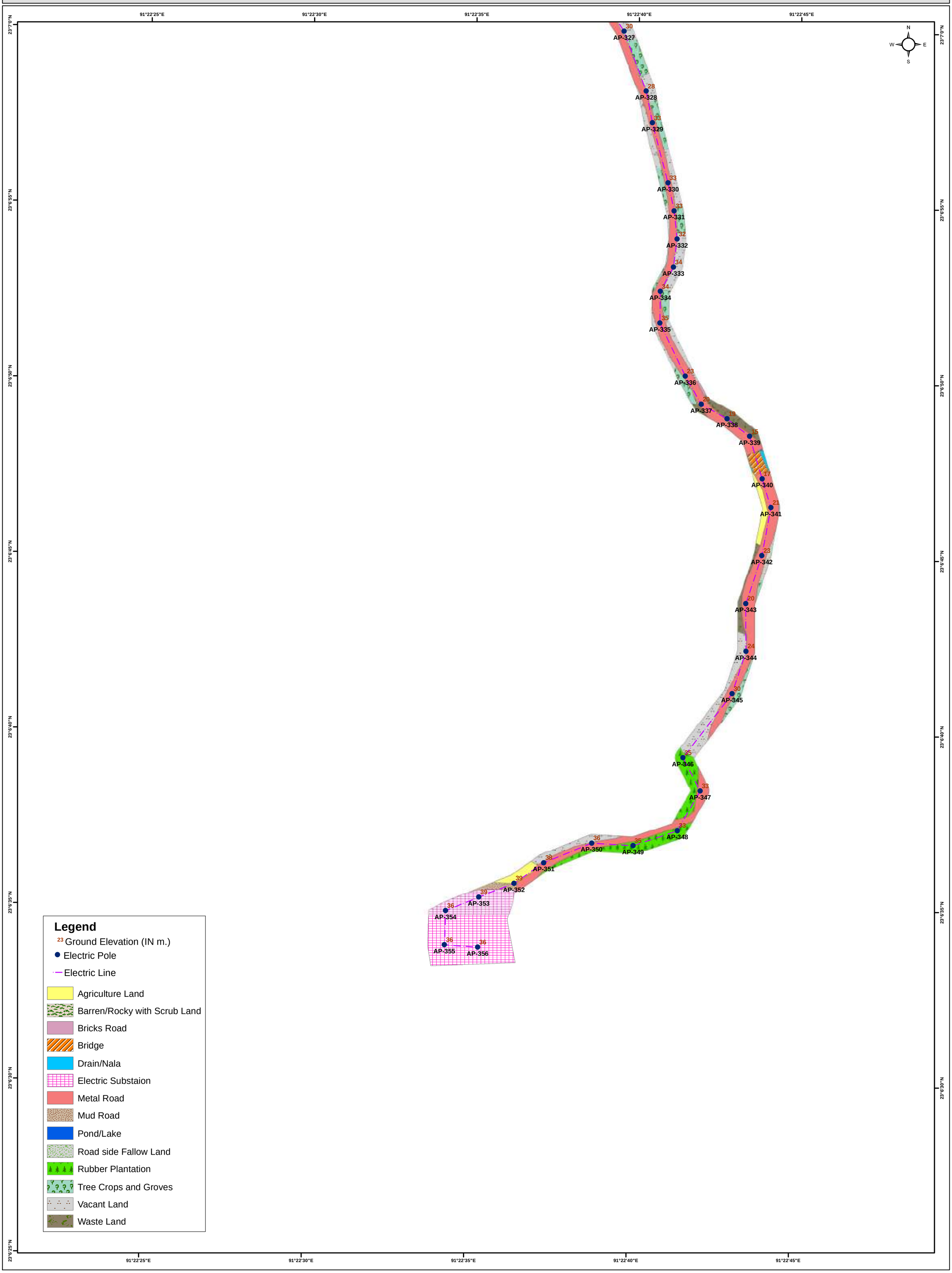
LAND USE/LAND COVER DETAILS OF EXISTING 33/11 KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



LAND USE/LAND COVER DETAILS OF EXISTING 33/11 KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,

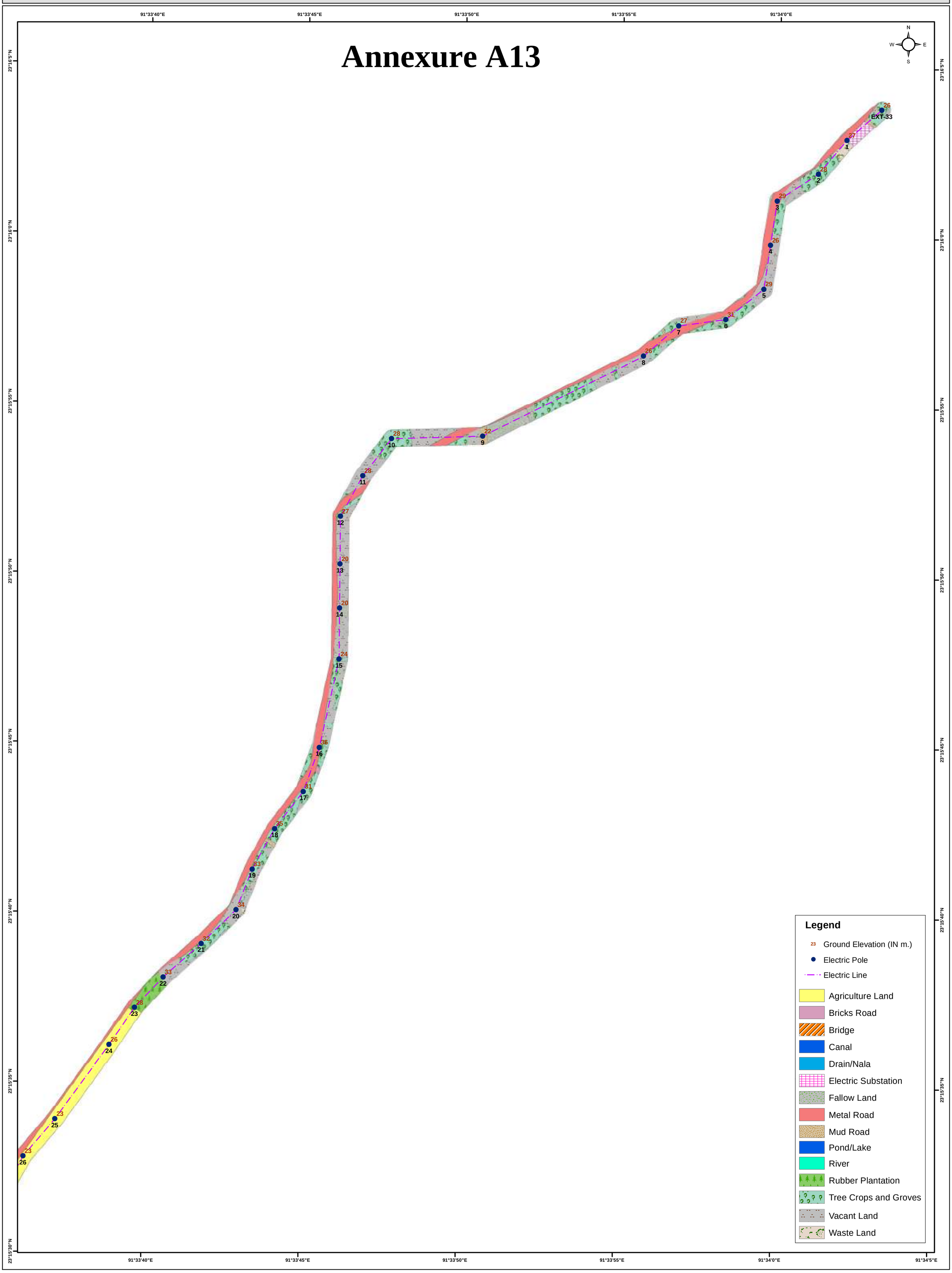


LAND USE/LAND COVER DETAILS OF EXISTING 33/11 KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,

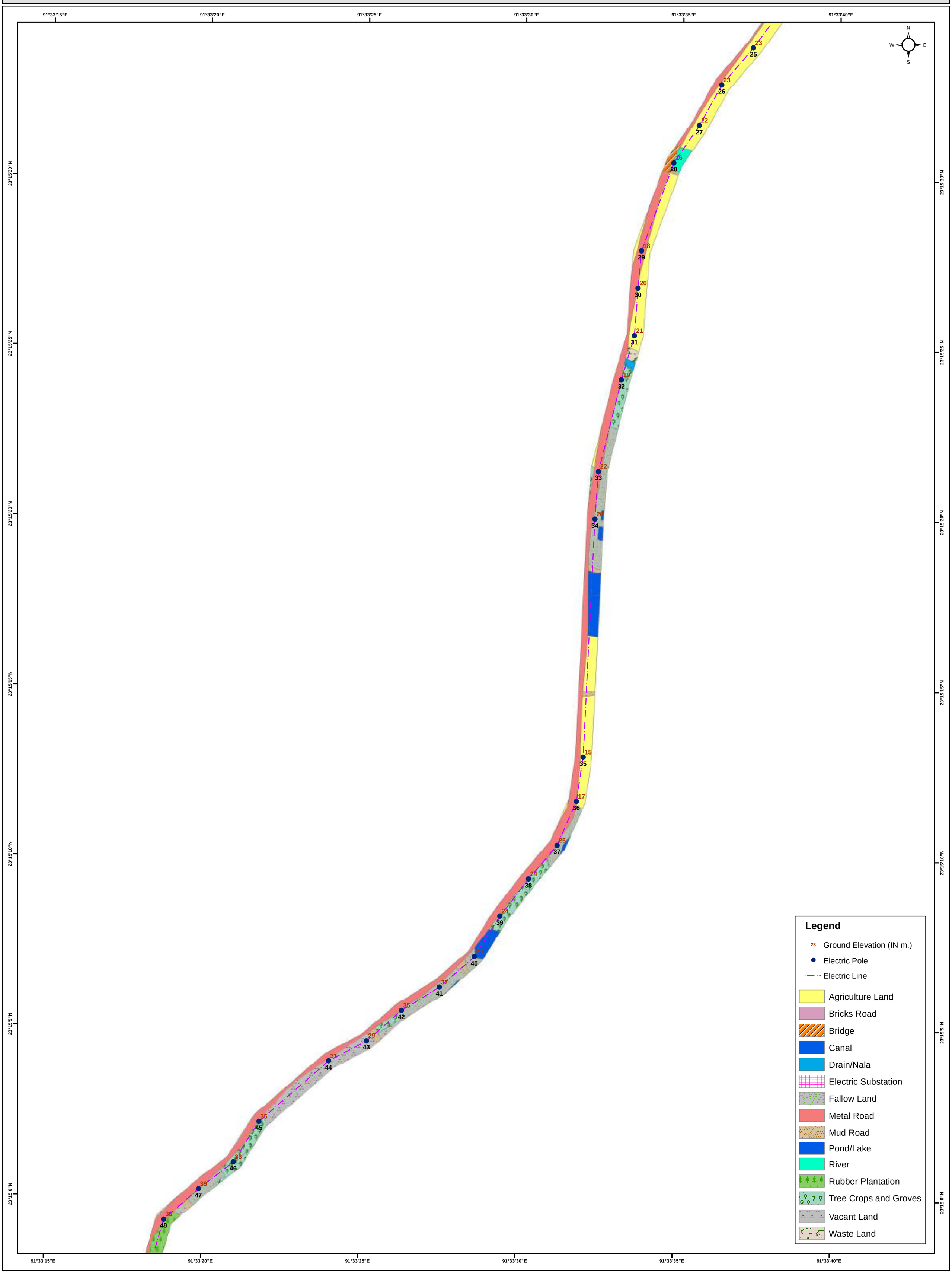


LAND USE/LAND COVER DETAILS OF LILO OF EXISTING JOLAIBARI - BAGAFA LINE TO PROPOSED 33 KV MUHURIPUR S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,

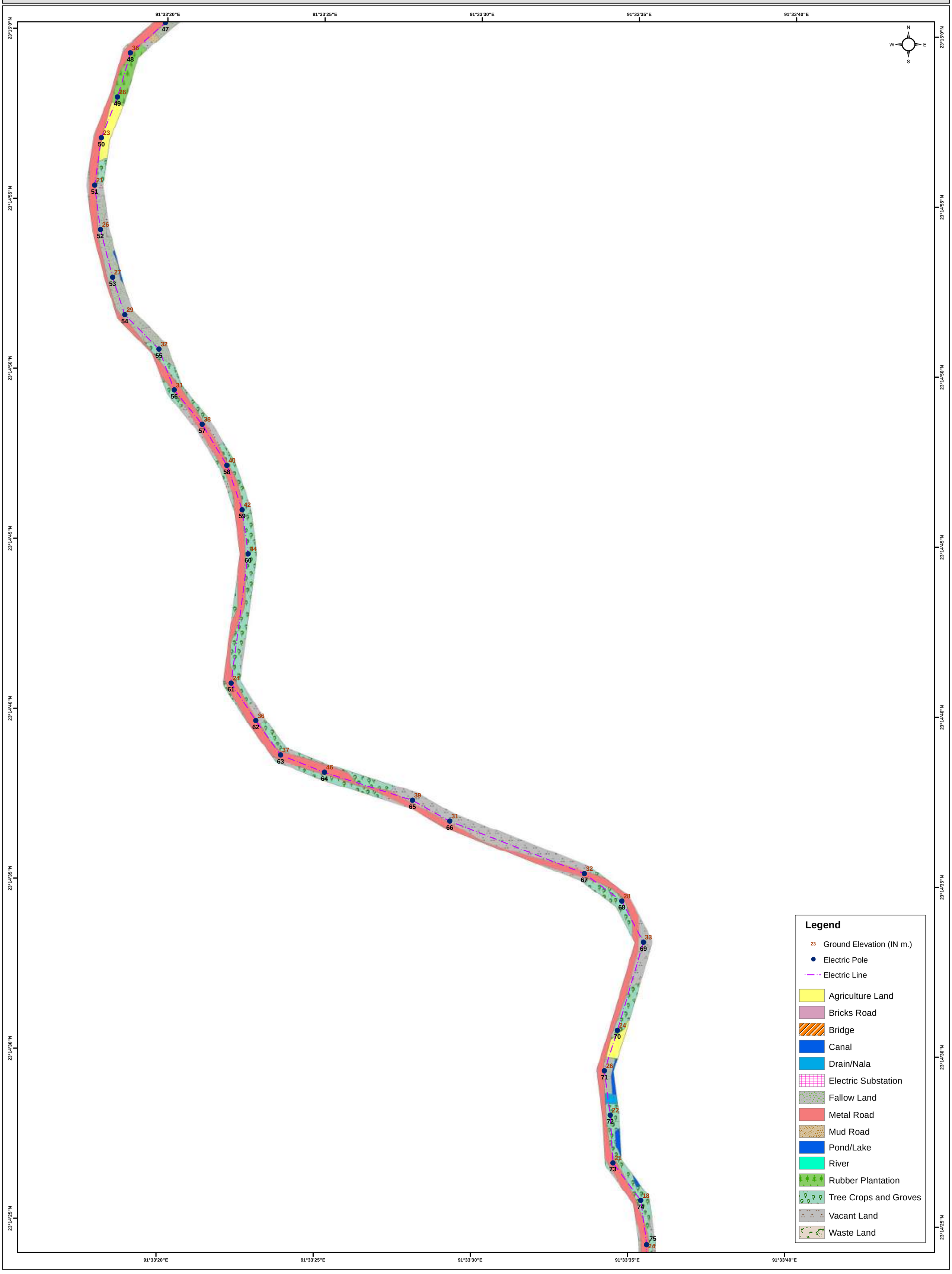
Annexure A13



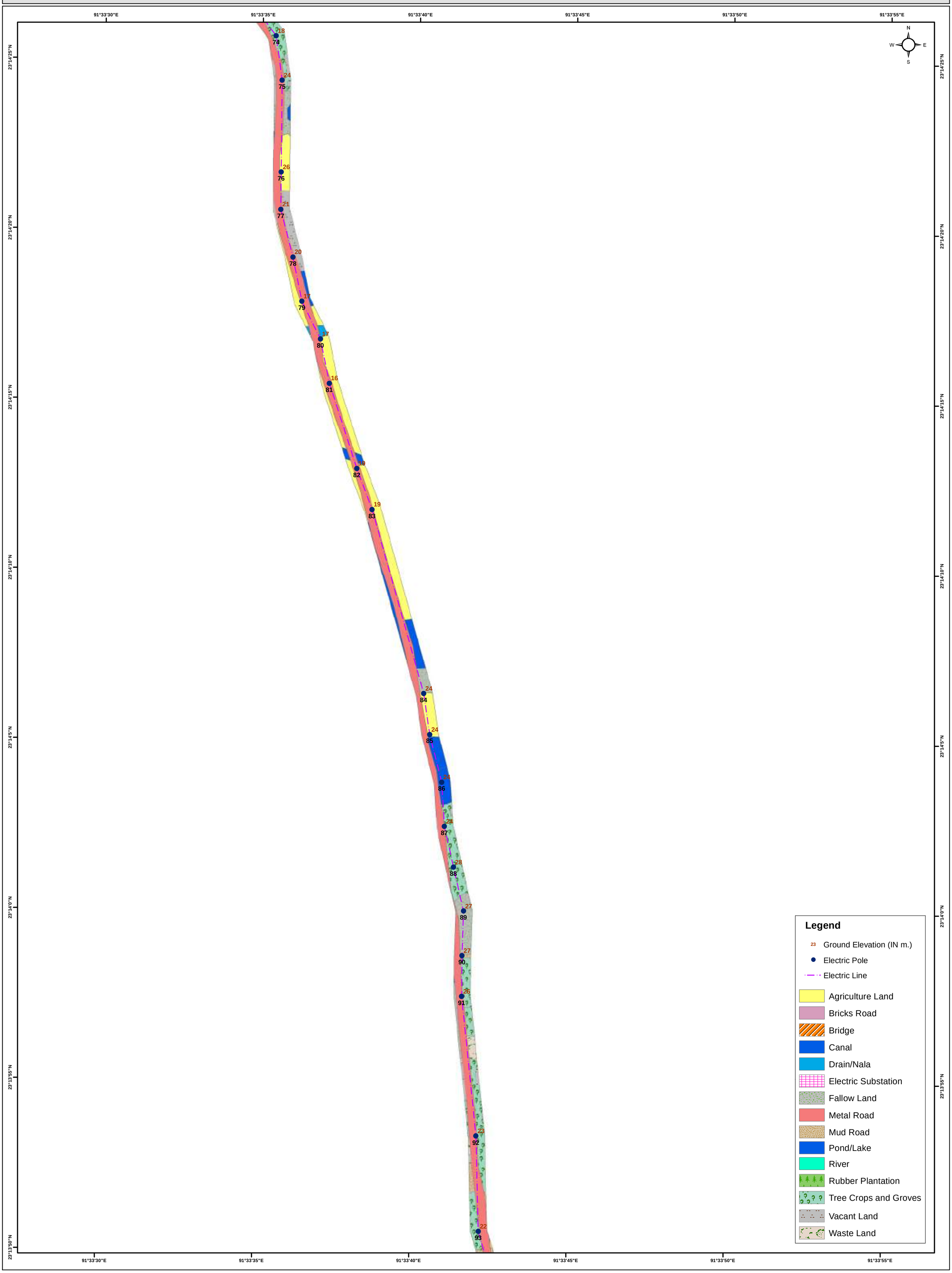
LAND USE/LAND COVER DETAILS OF LILO OF EXISTING JOLAIBARI - BAGAFA LINE TO PROPOSED 33 KV MUHURIPUR S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



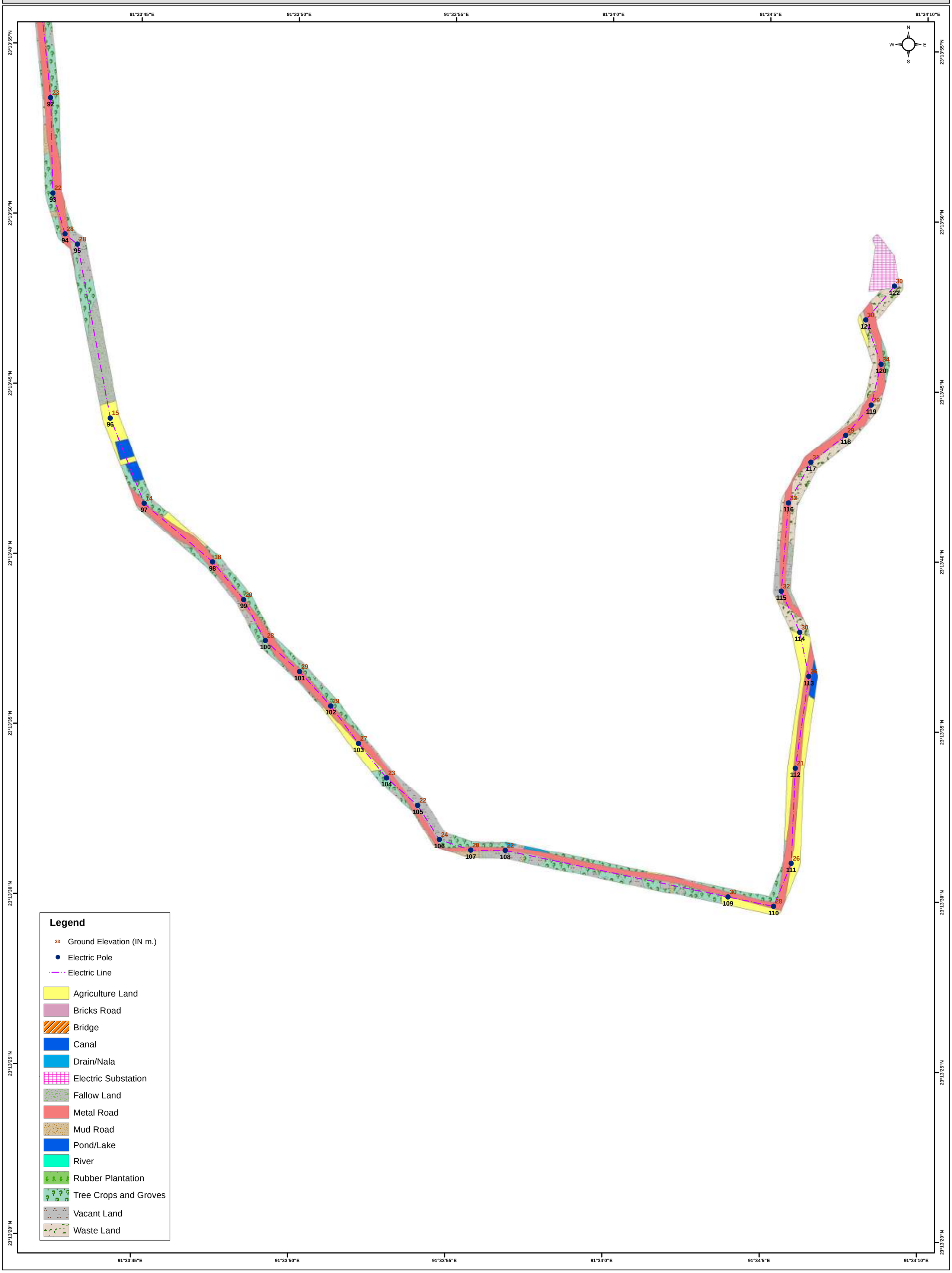
LAND USE/LAND COVER DETAILS OF LILO OF EXISTING JOLAIBARI - BAGAFA LINE TO PROPOSED 33 KV MUHURIPUR S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



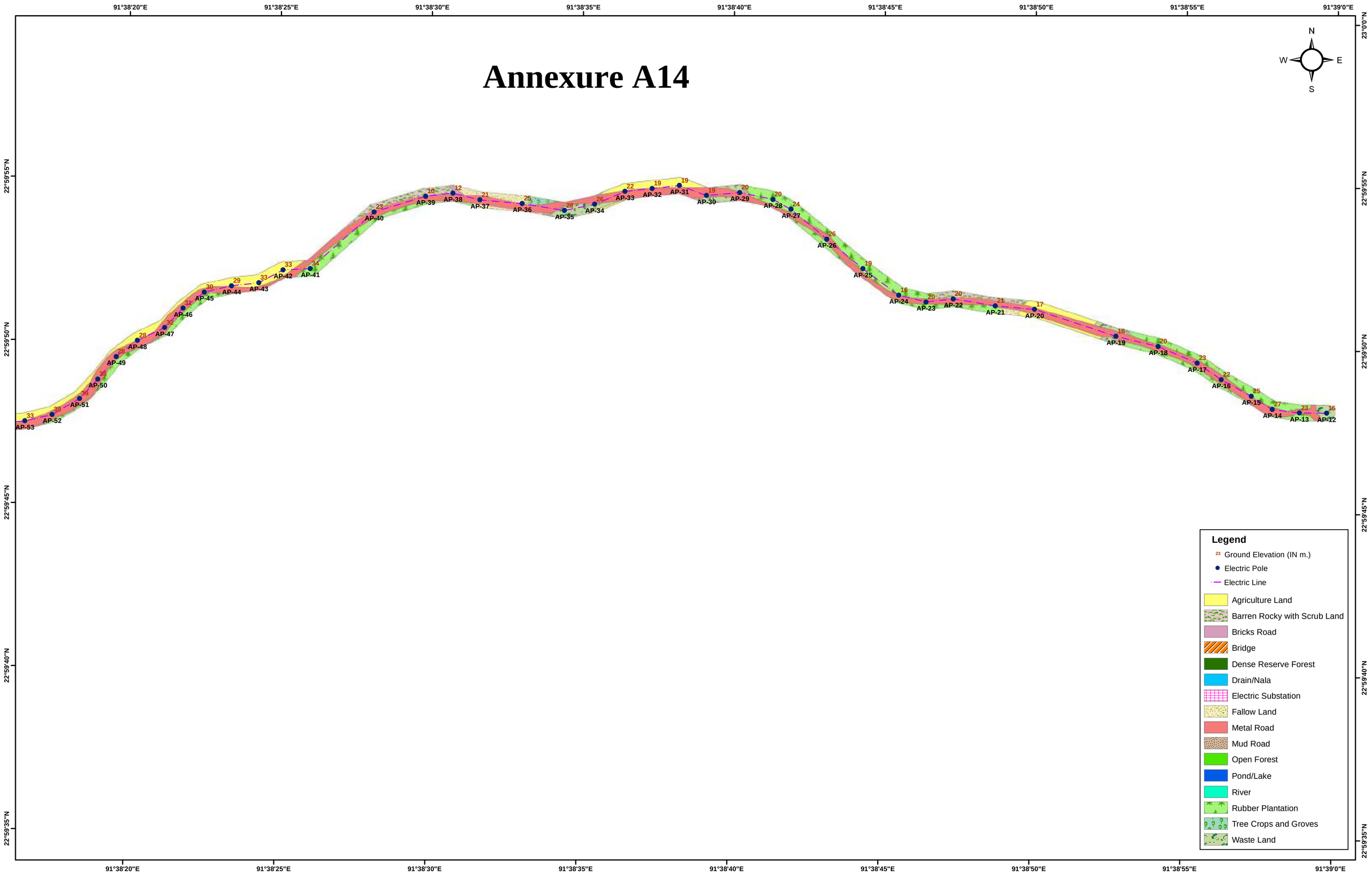
LAND USE/LAND COVER DETAILS OF LILO OF EXISTING JOLAIBARI - BAGAFA LINE TO PROPOSED 33 KV MUHURIPUR S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



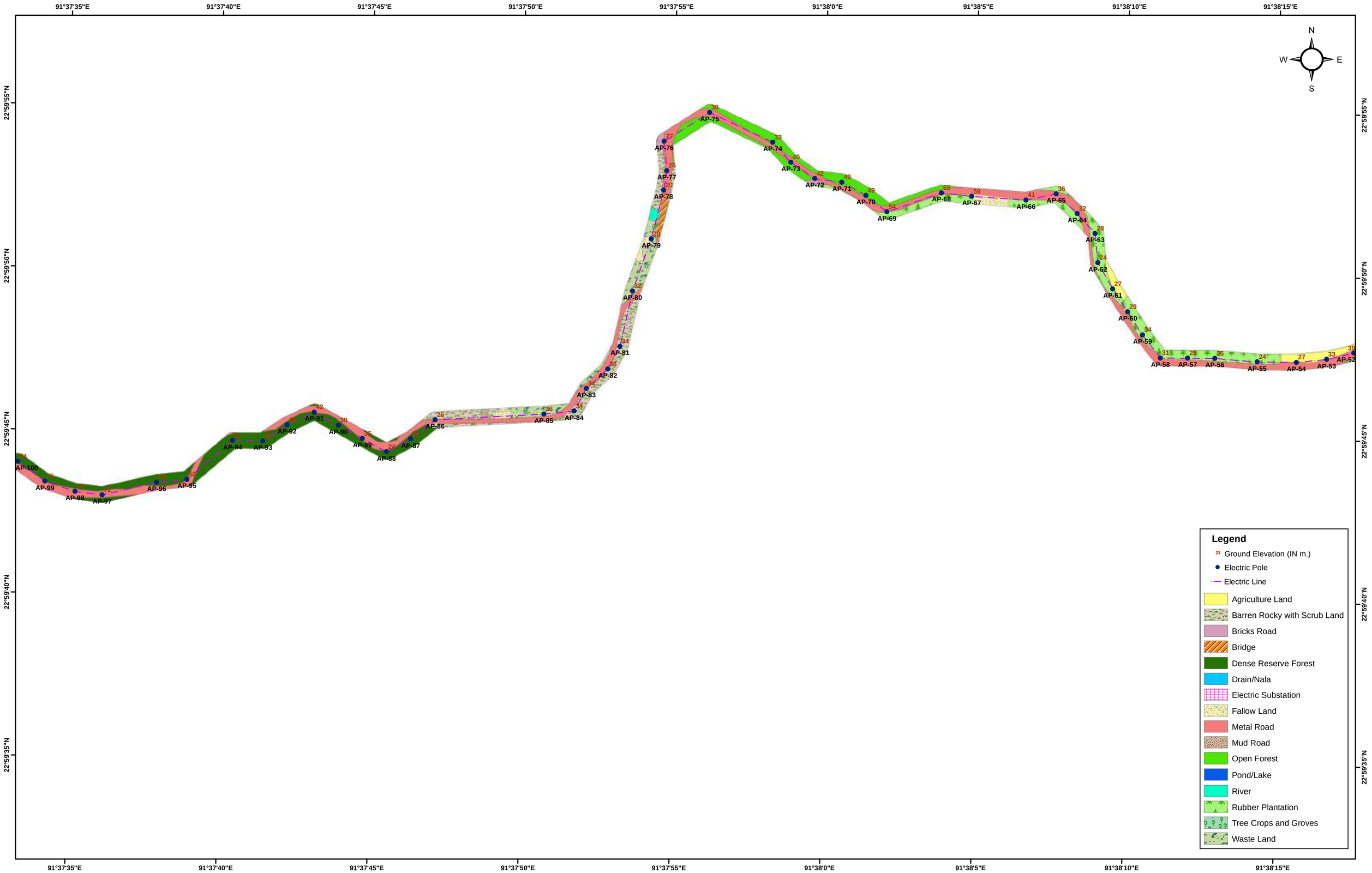
LAND USE/LAND COVER DETAILS OF LILO OF EXISTING JOLAIBARI - BAGAFA LINE TO PROPOSED 33 KV MUHURIPUR S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



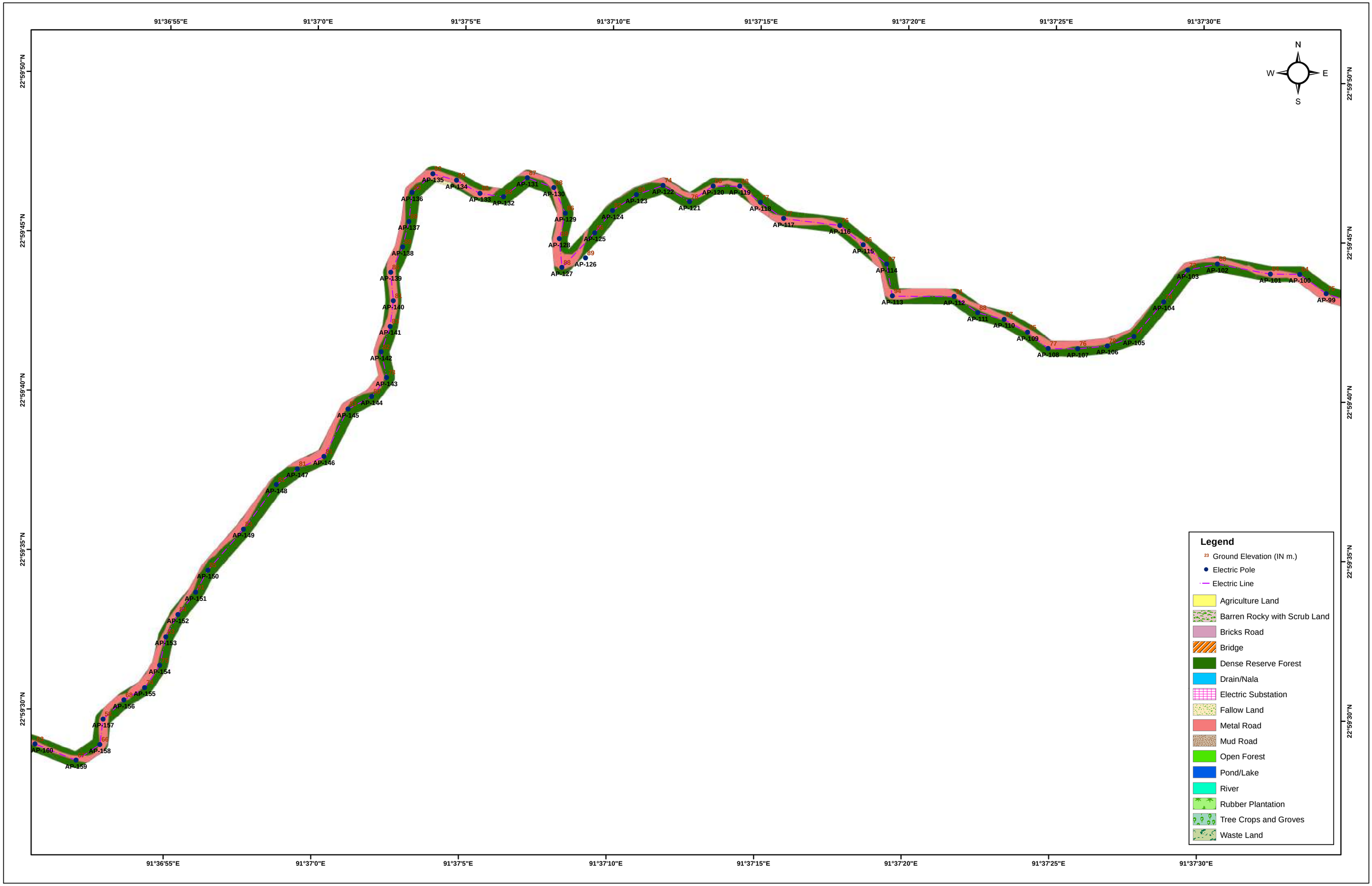
LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED SRINAGAR S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED SRINAGAR S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED SRINAGAR S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED SRINAGAR S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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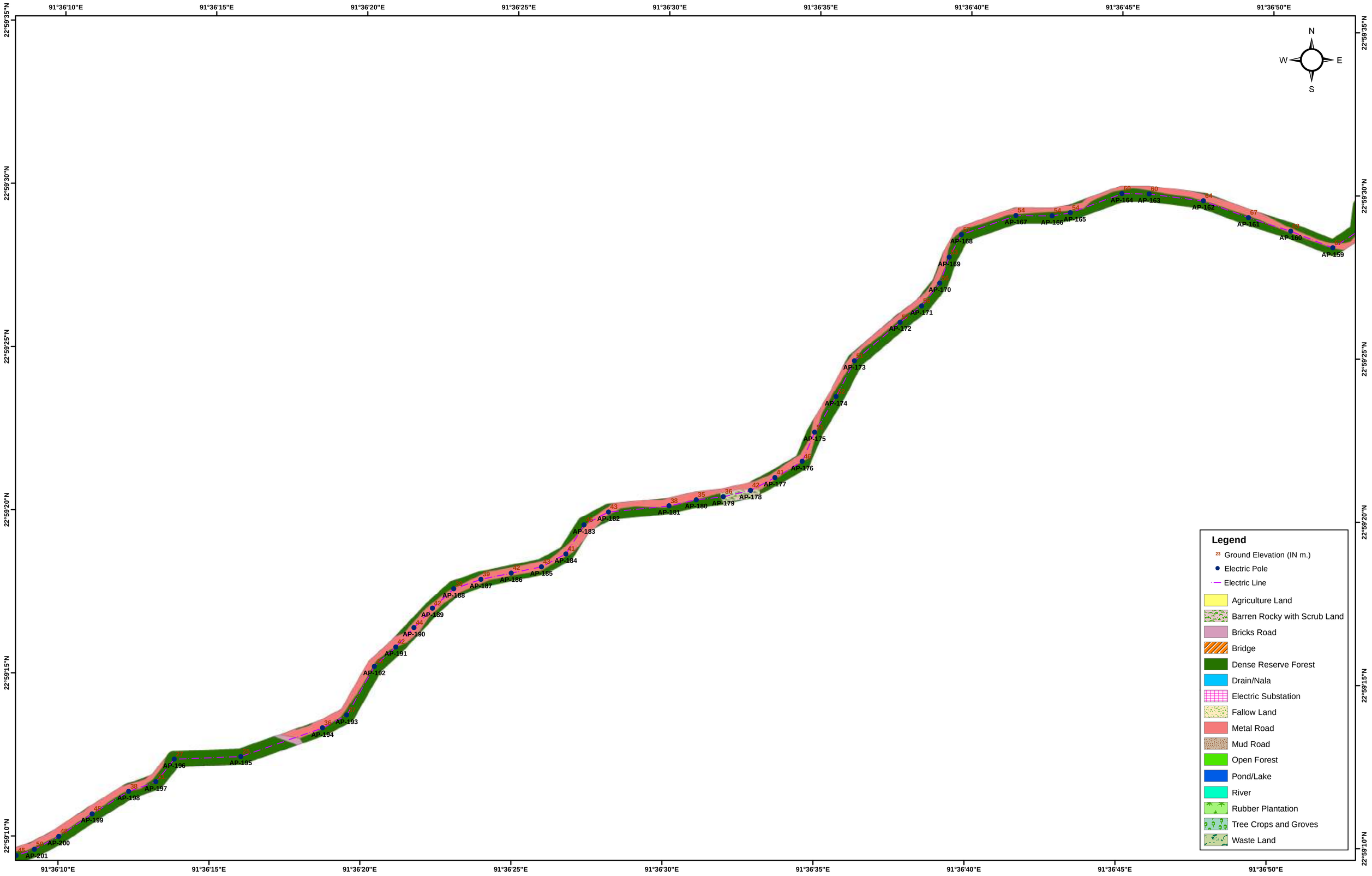

LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED SRINAGAR S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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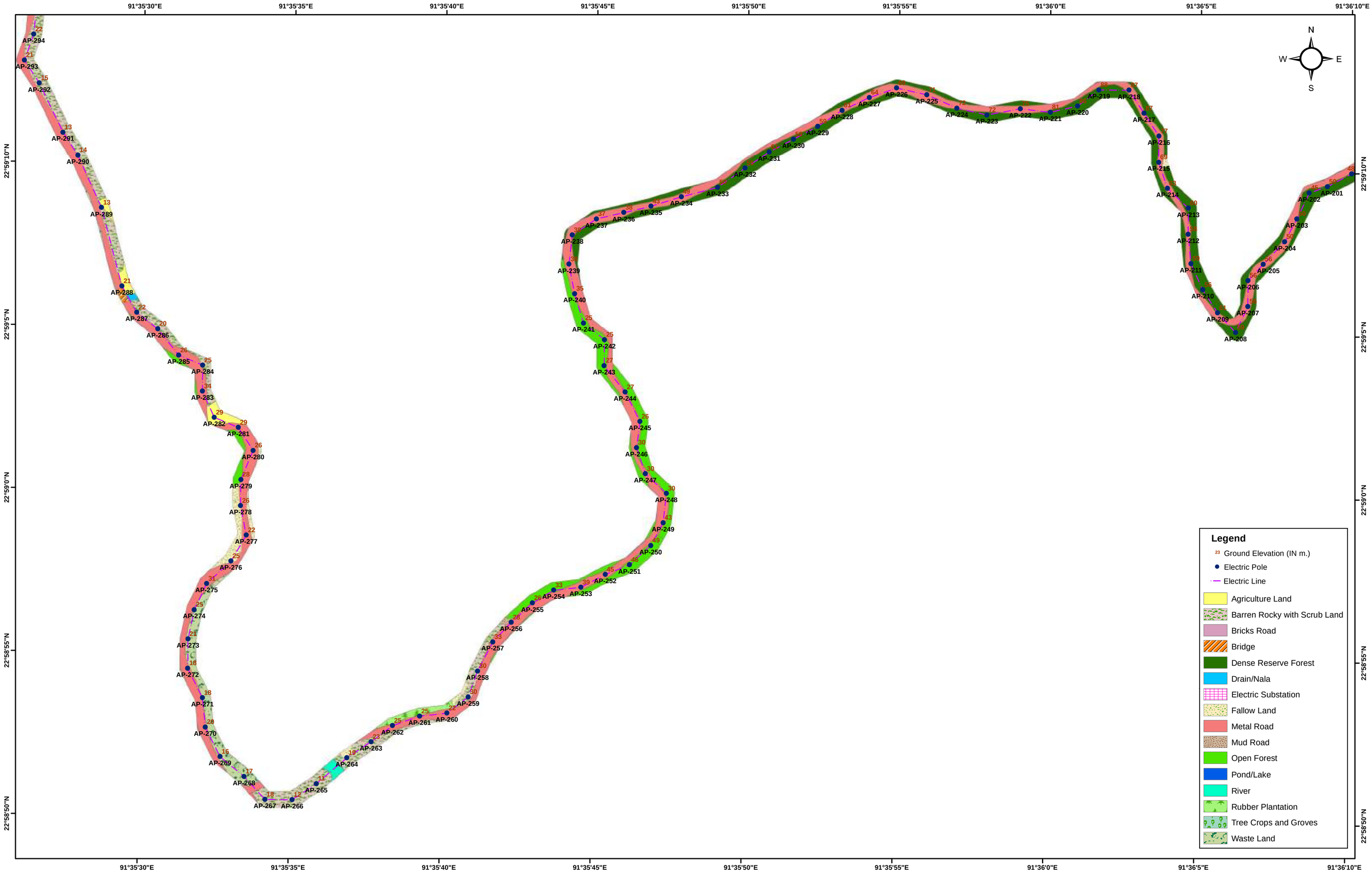

LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED SRINAGAR S/S
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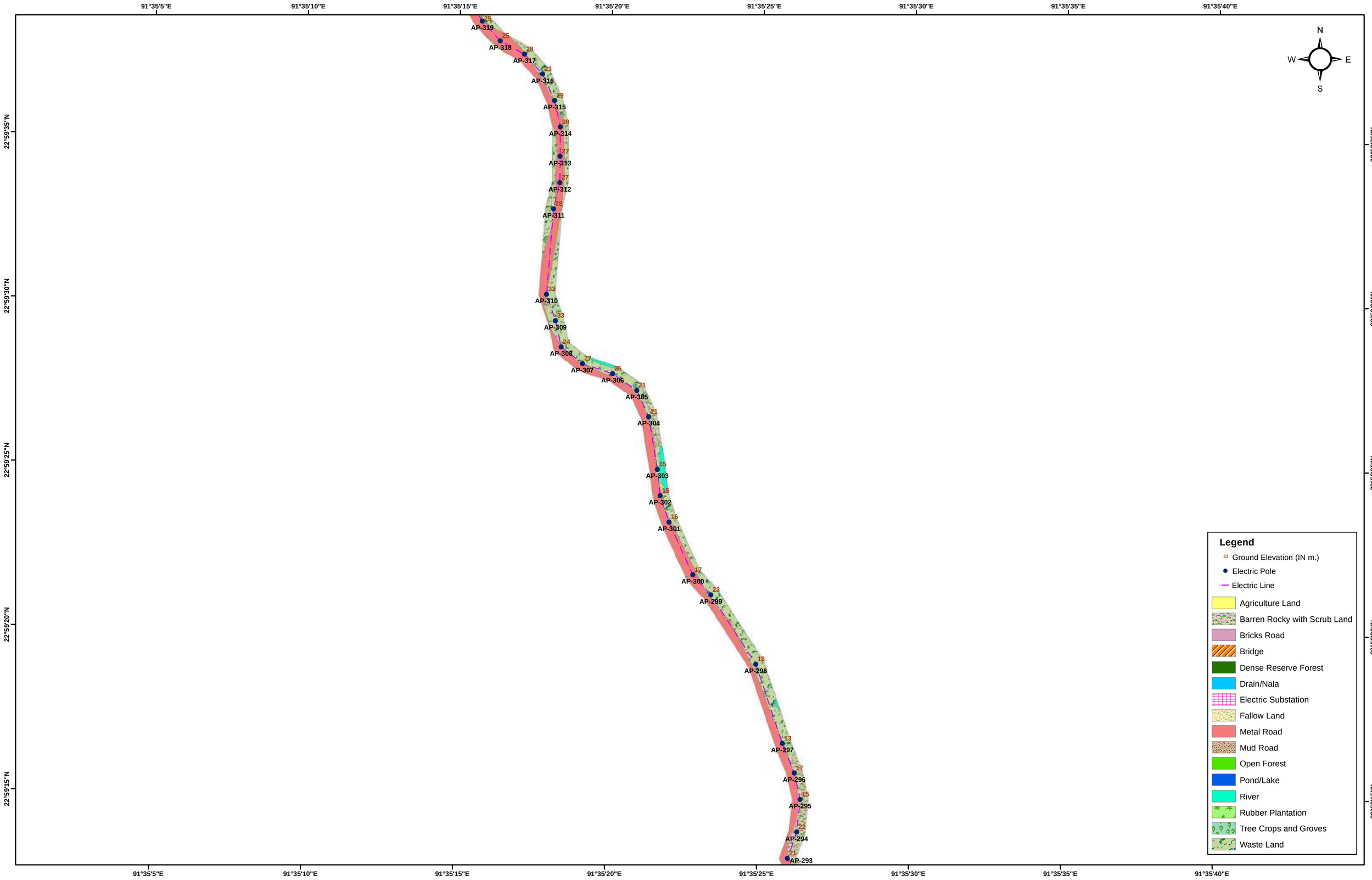

LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED SRINAGAR S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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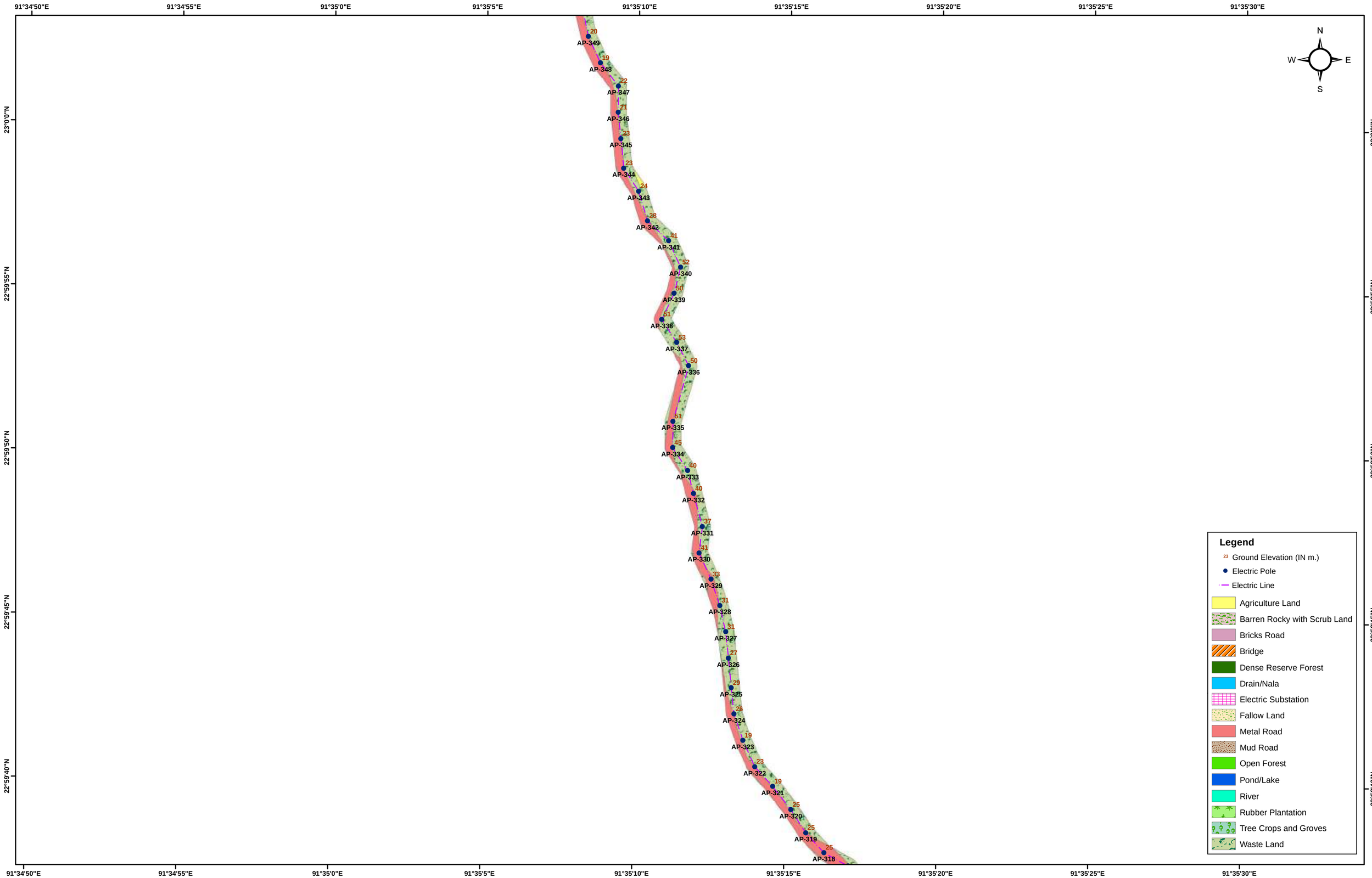

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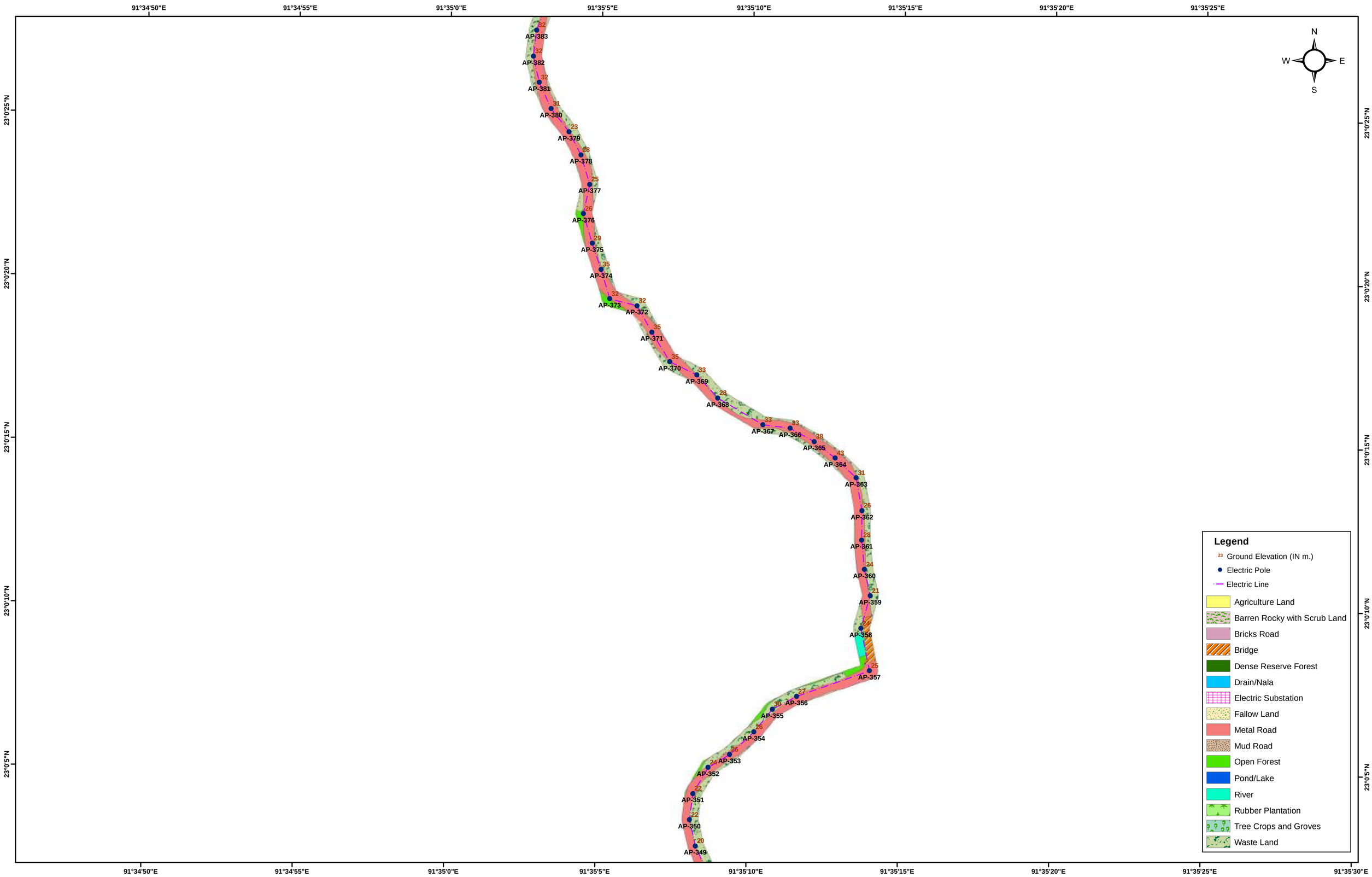

LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED SRINAGAR S/S
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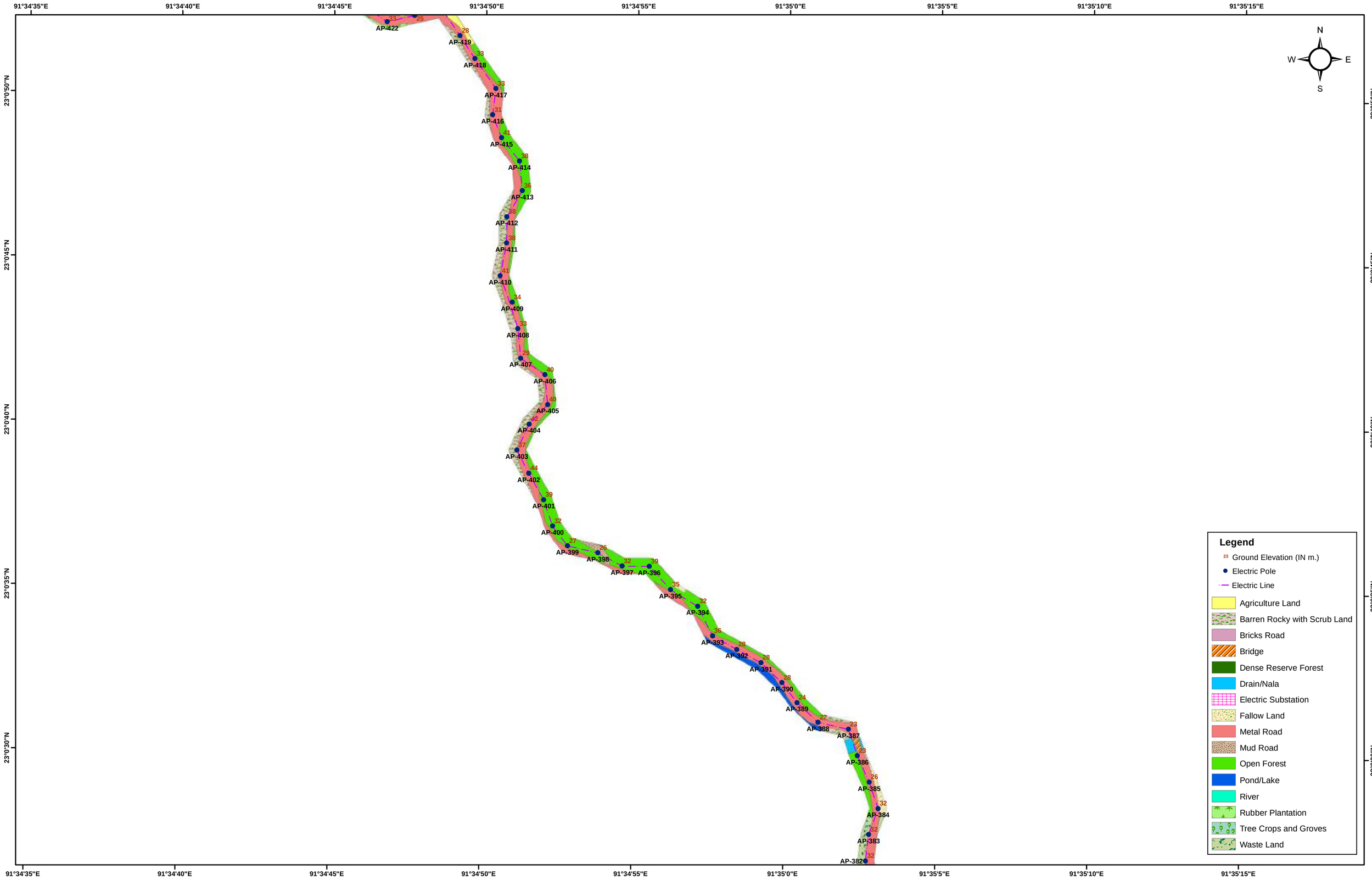

LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED SRINAGAR S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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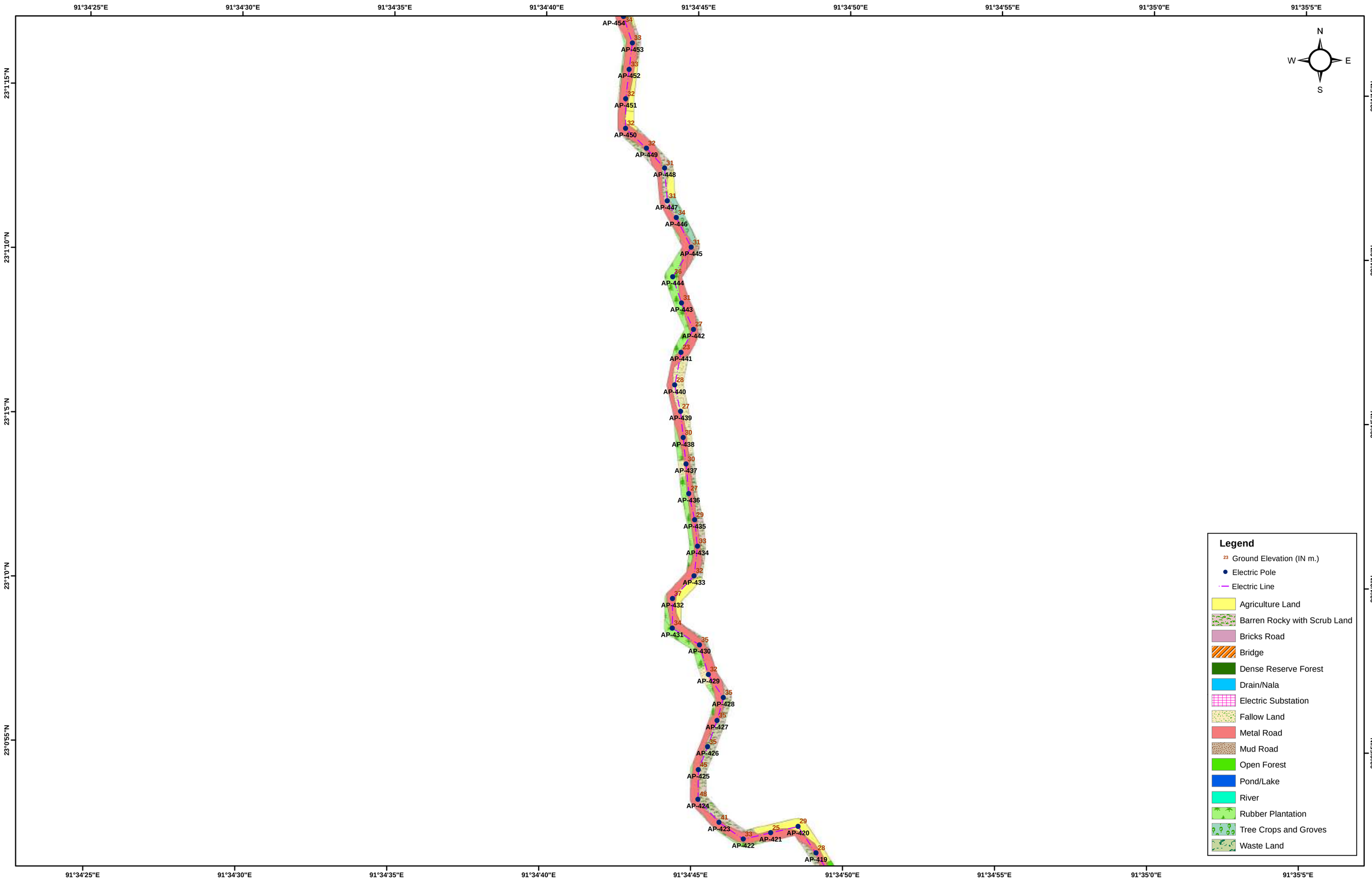

LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED SRINAGAR S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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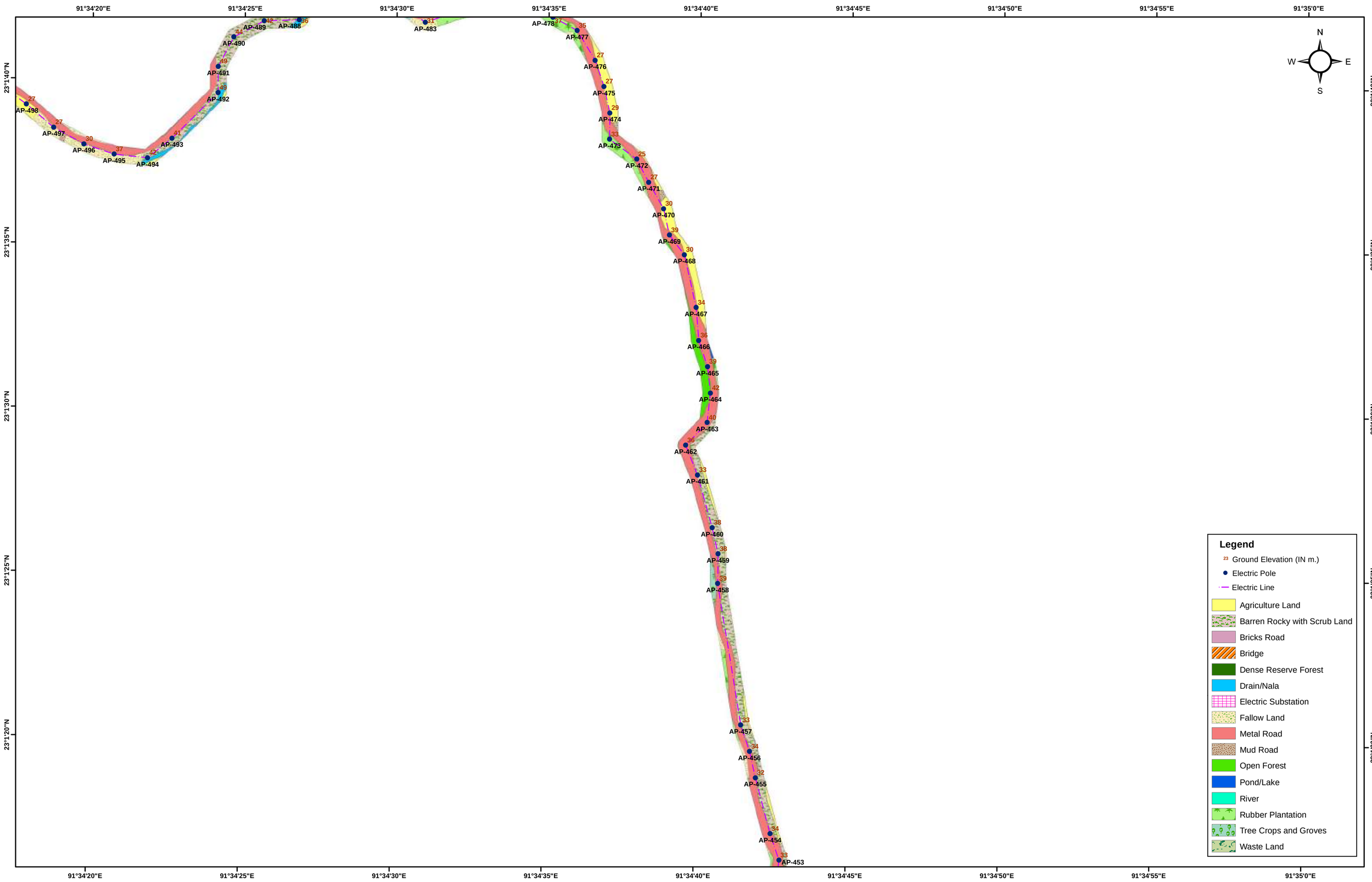

LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED SRINAGAR S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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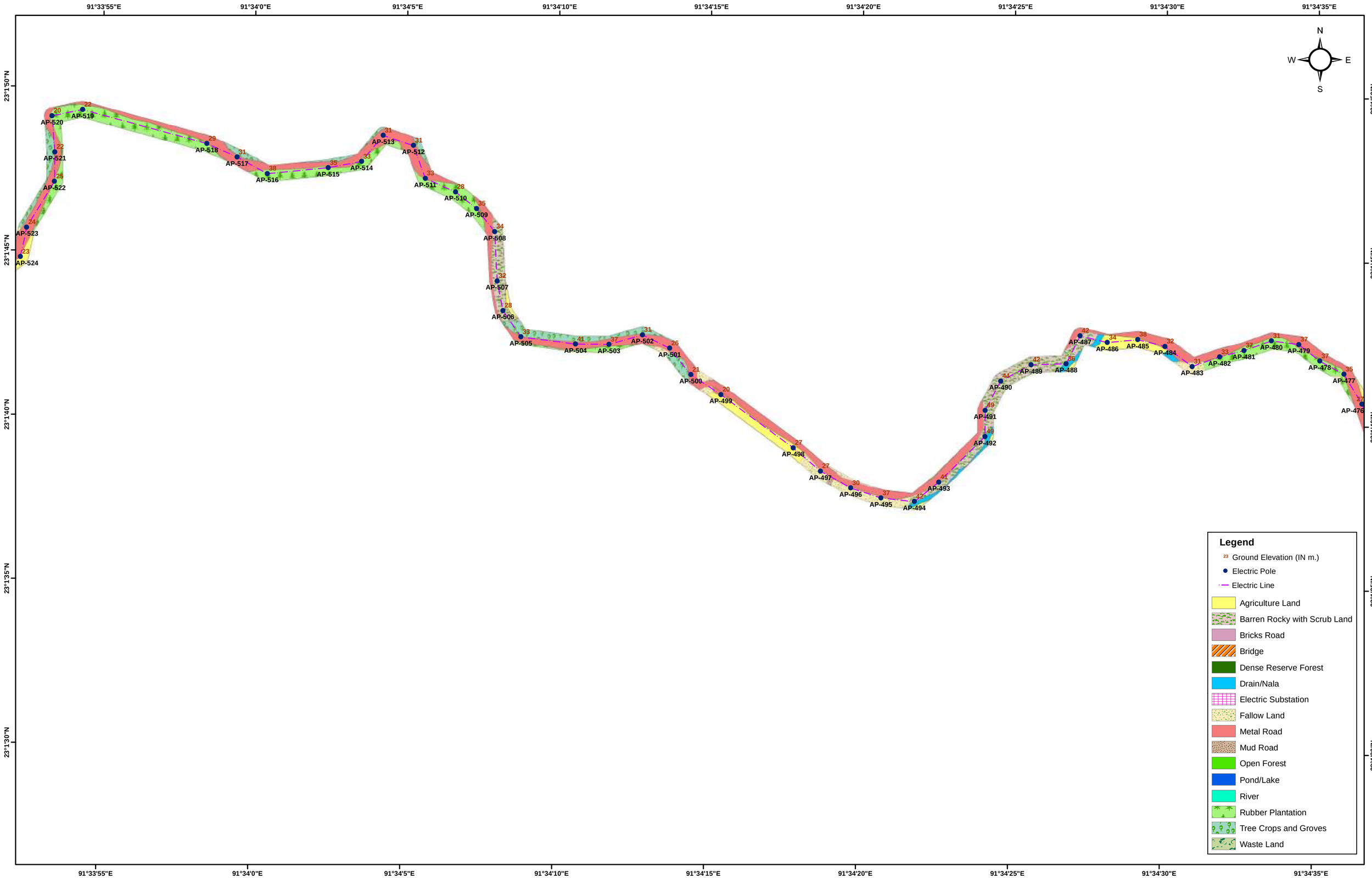

LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED SRINAGAR S/S
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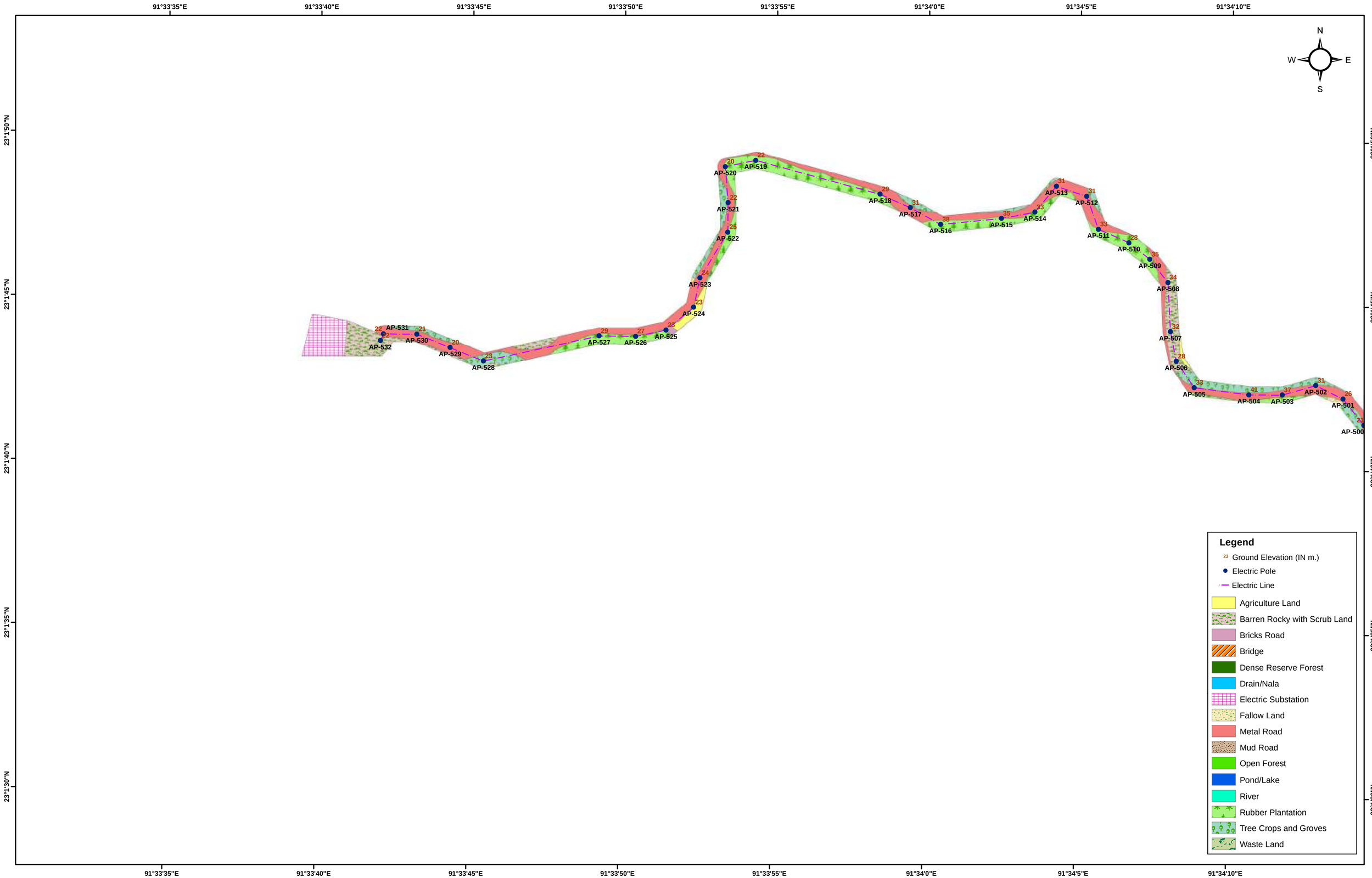
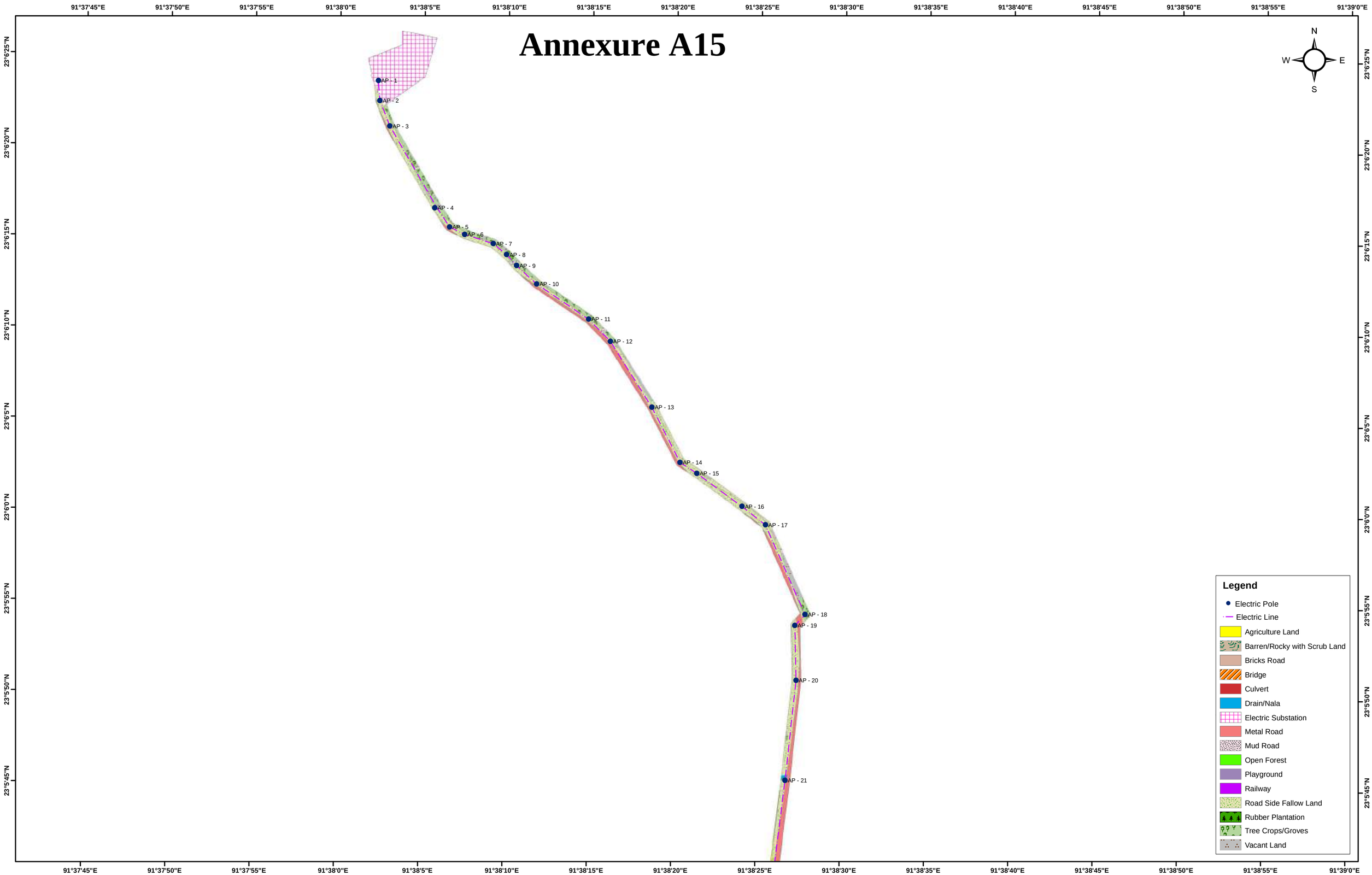


LAND USE/LAND COVER DETAILS OF 33/11KV SRINAGAR S/S TO SATCHAND S/S TRANSMISSION LINE
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



LAND USE/LAND COVER DETAILS OF 33/11KV SRINAGAR S/S TO SATCHAND S/S TRANSMISSION LINE
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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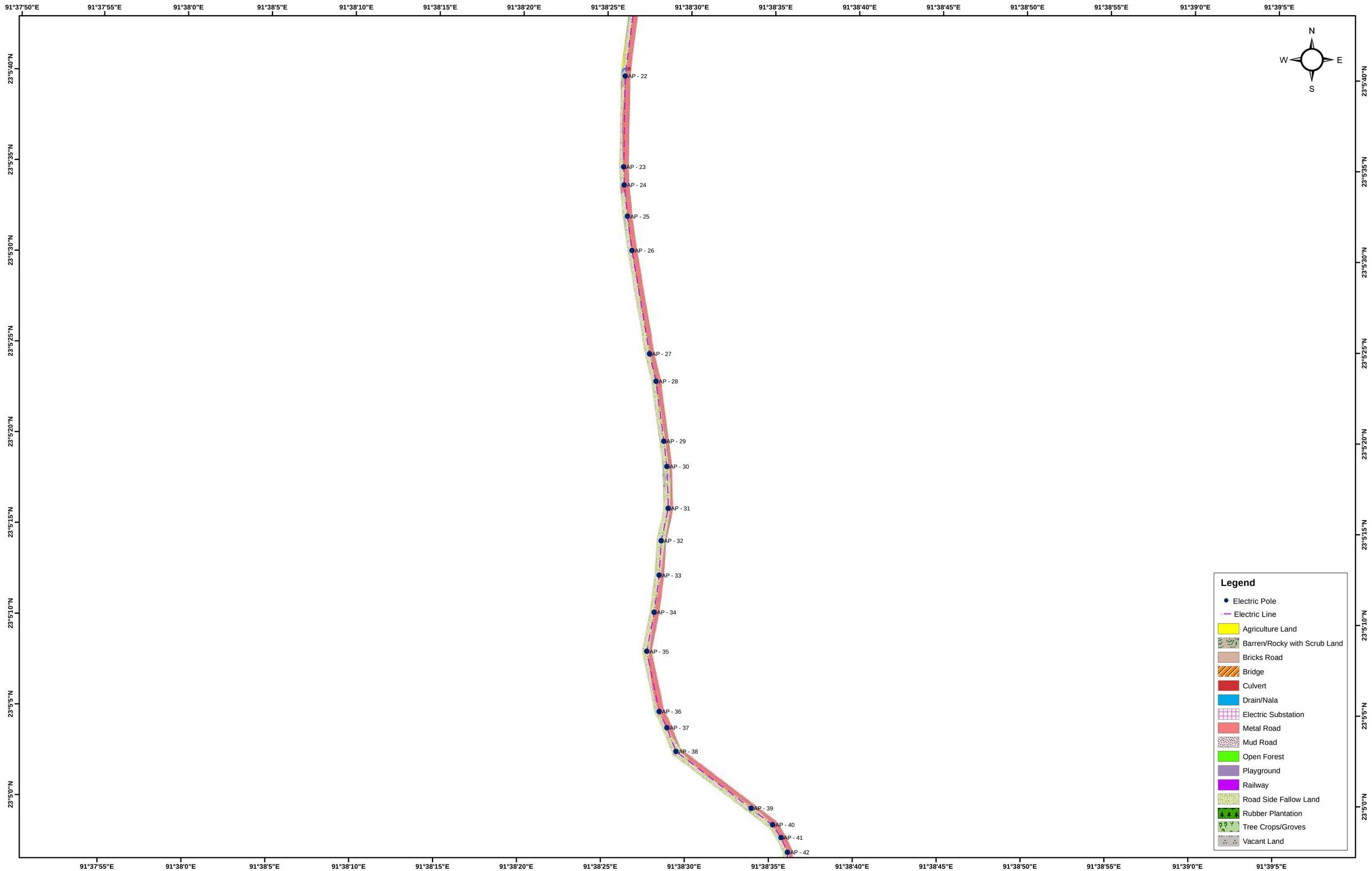

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CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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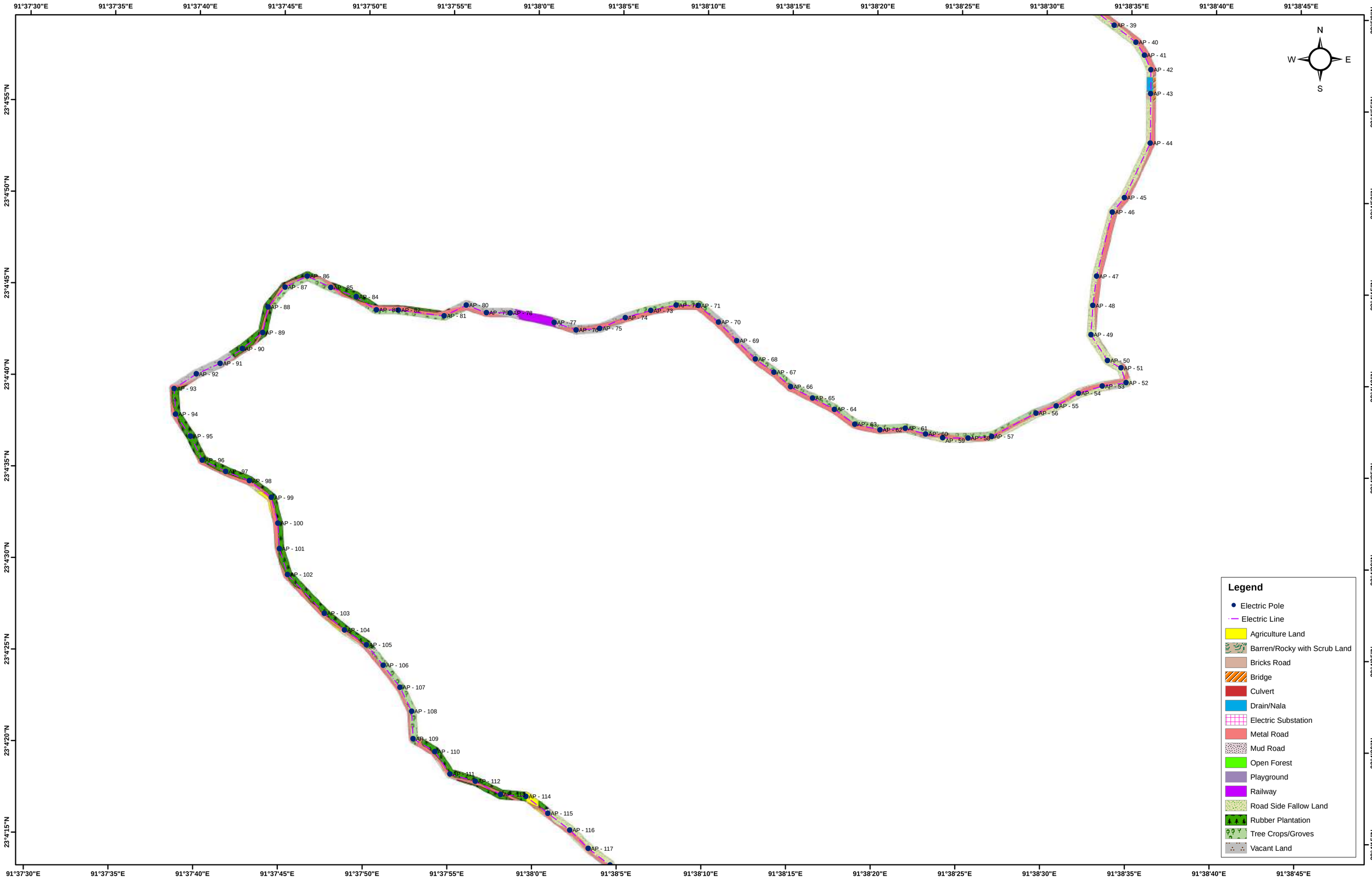

LAND USE/LAND COVER DETAILS OF 33/11KV SRINAGAR S/S TO SATCHAND S/S TRANSMISSION LINE
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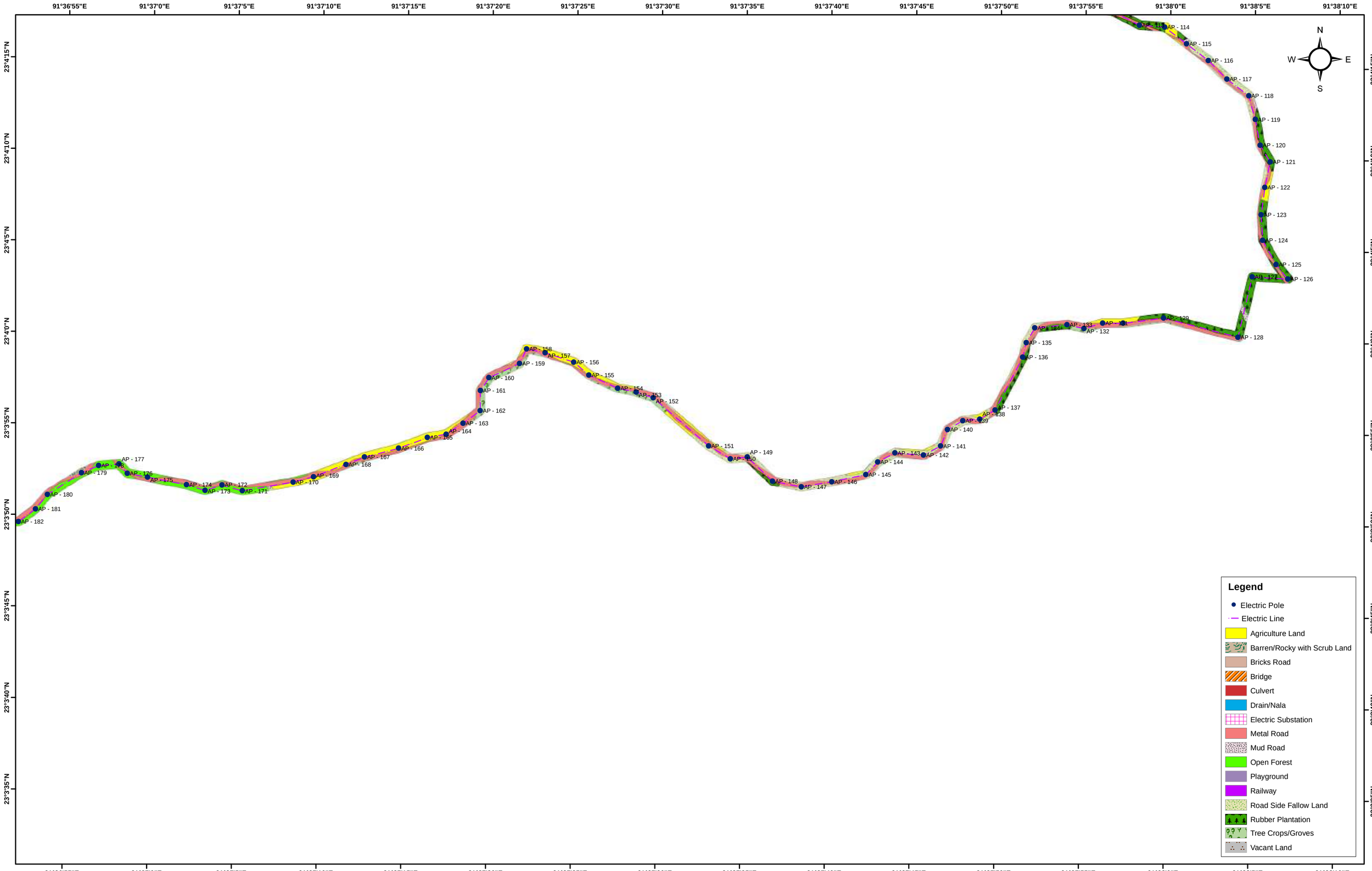

LAND USE/LAND COVER DETAILS OF 33/11KV SRINAGAR S/S TO SATCHAND S/S TRANSMISSION LINE
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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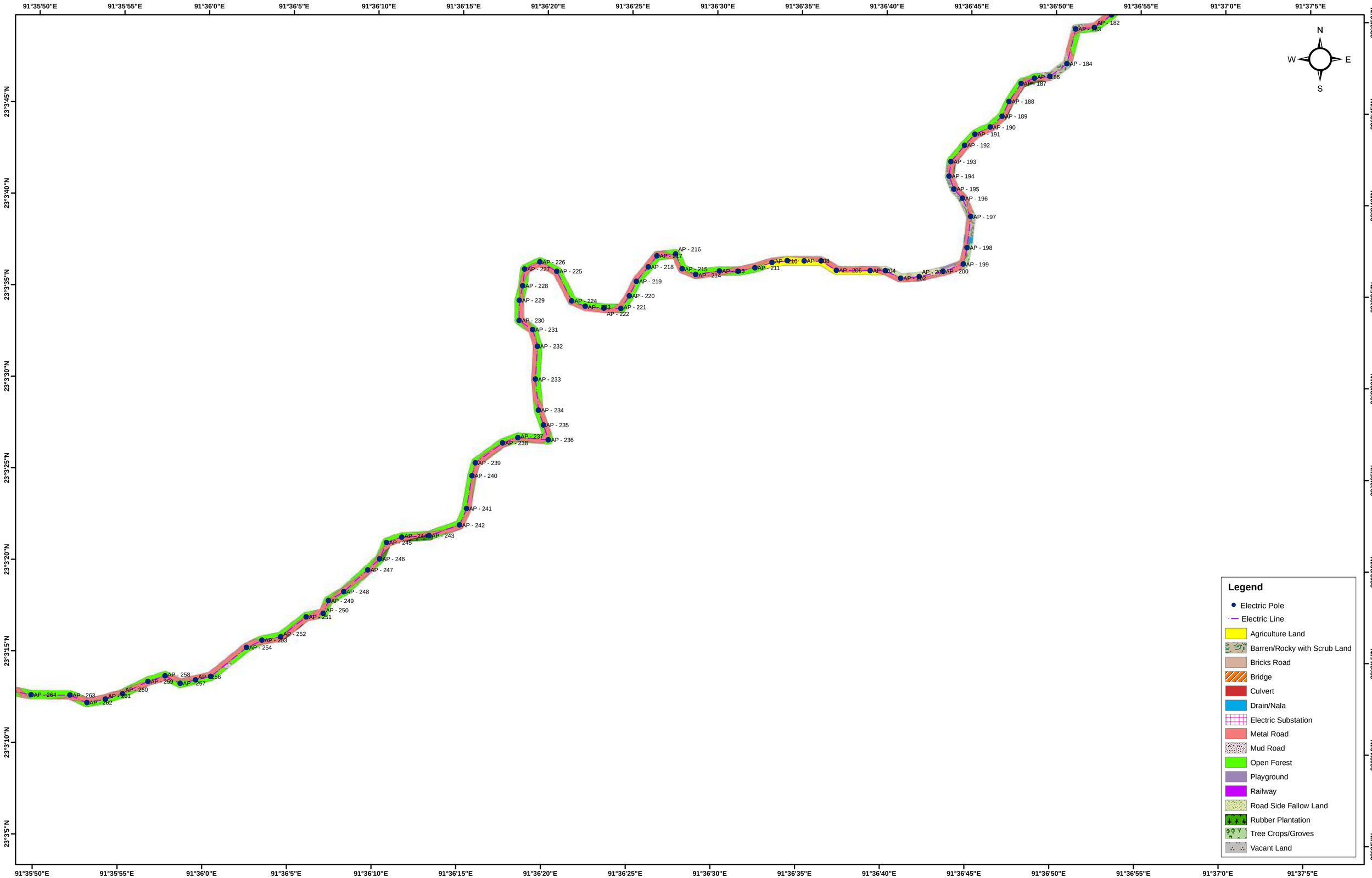

LAND USE/LAND COVER DETAILS OF 33/11KV SRINAGAR S/S TO SATCHAND S/S TRANSMISSION LINE
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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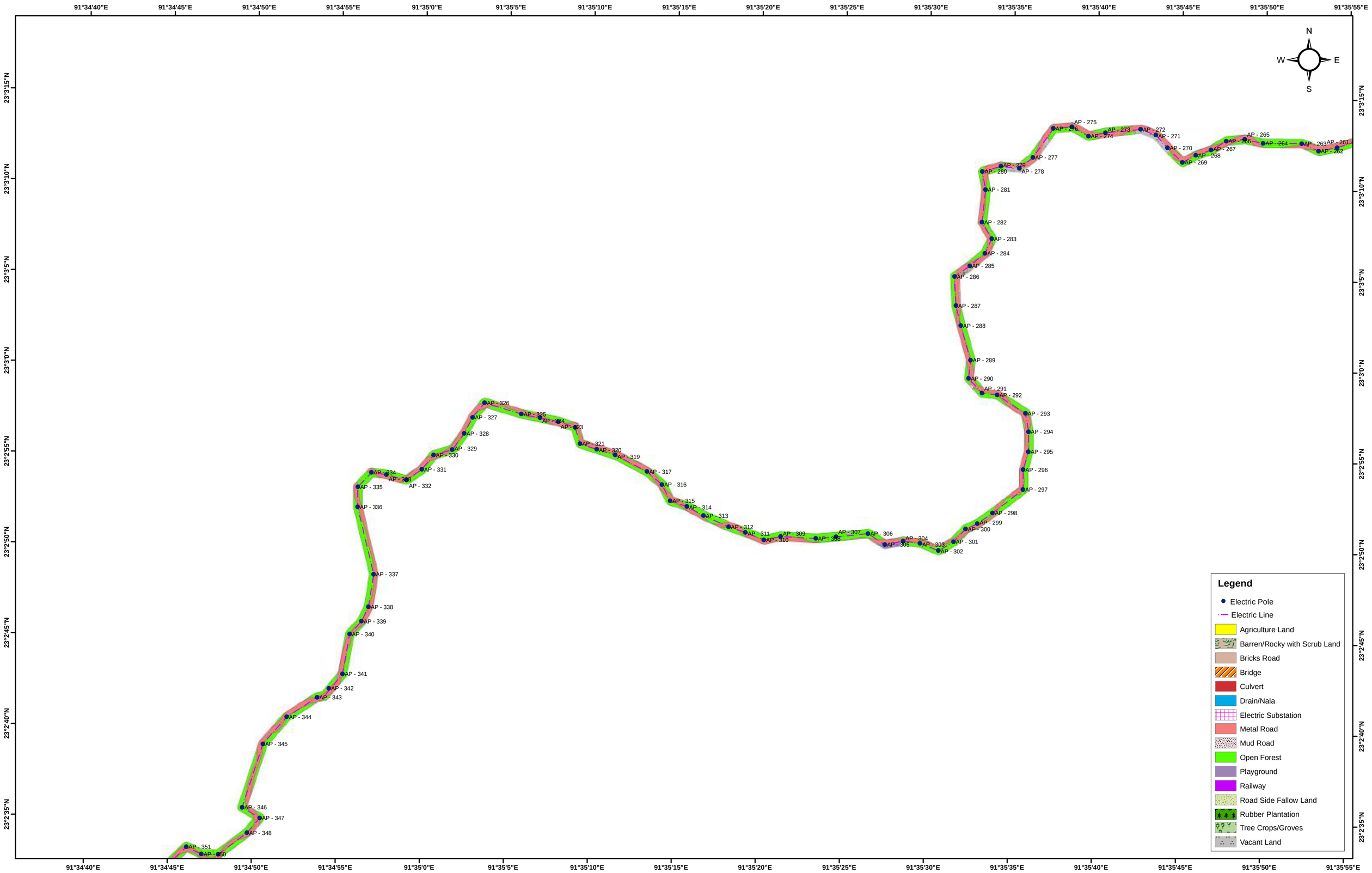

LAND USE/LAND COVER DETAILS OF 33/11KV SRINAGAR S/S TO SATCHAND S/S TRANSMISSION LINE
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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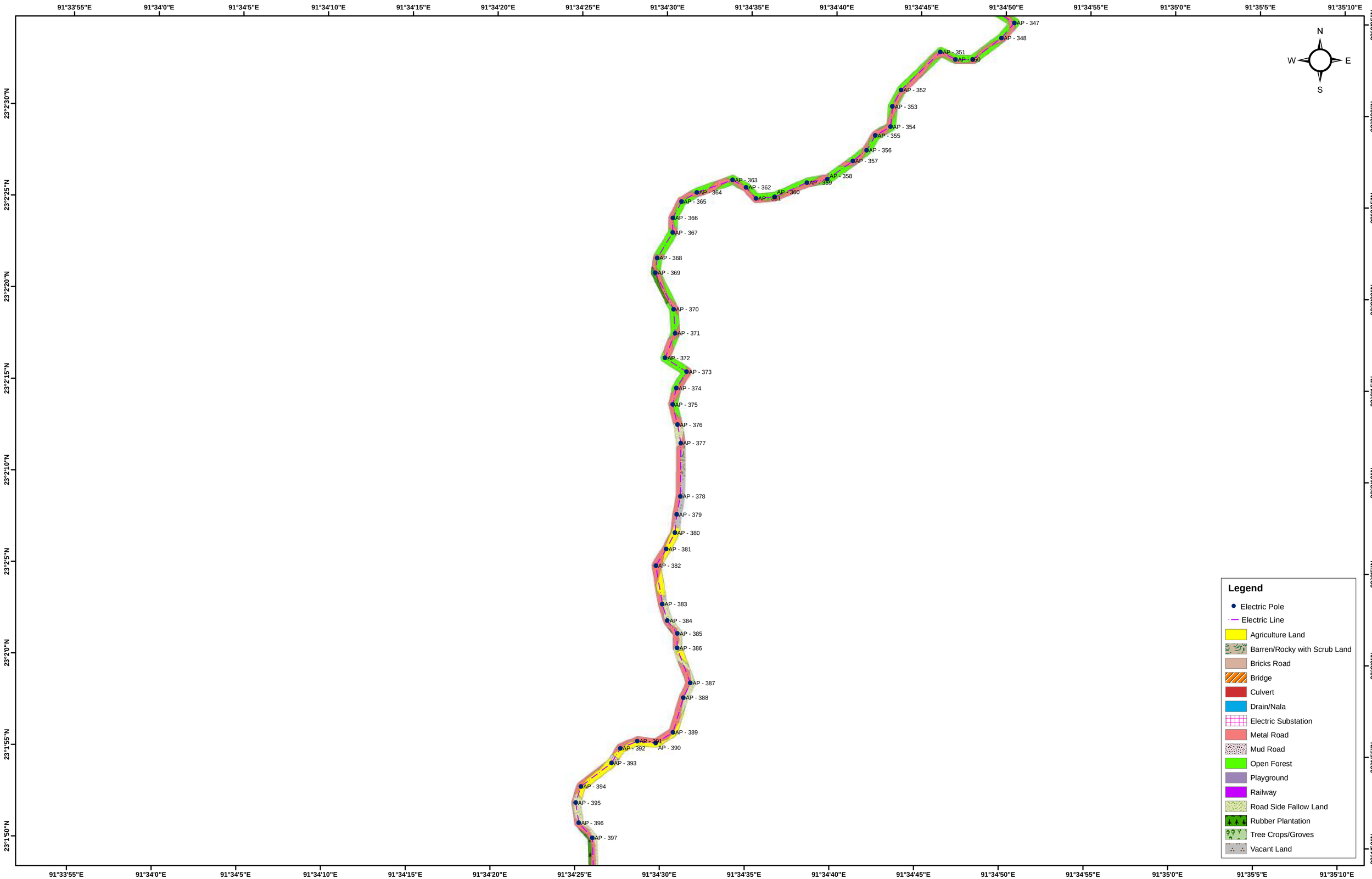

LAND USE/LAND COVER DETAILS OF 33/11KV SRINAGAR S/S TO SATCHAND S/S TRANSMISSION LINE
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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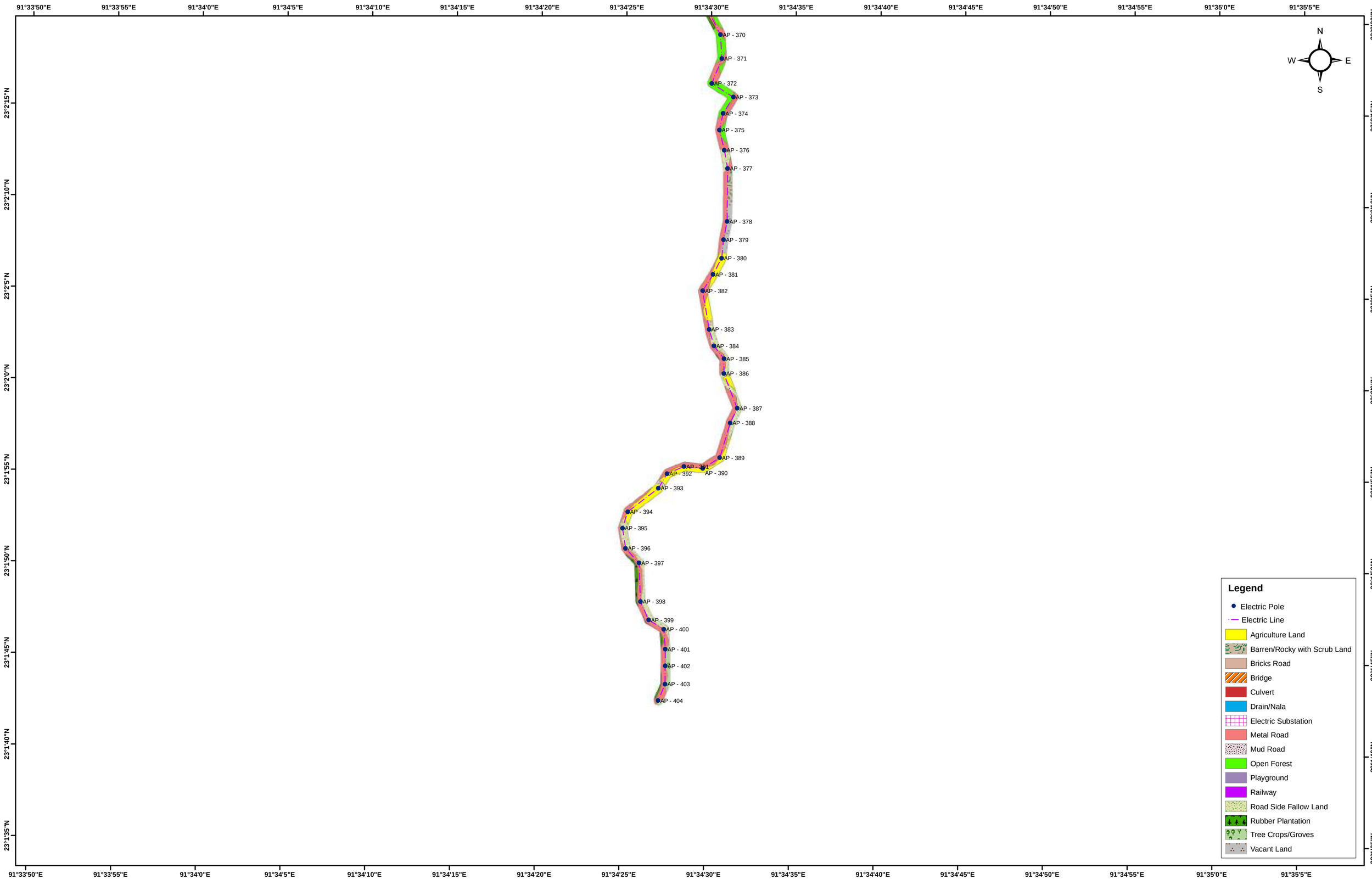
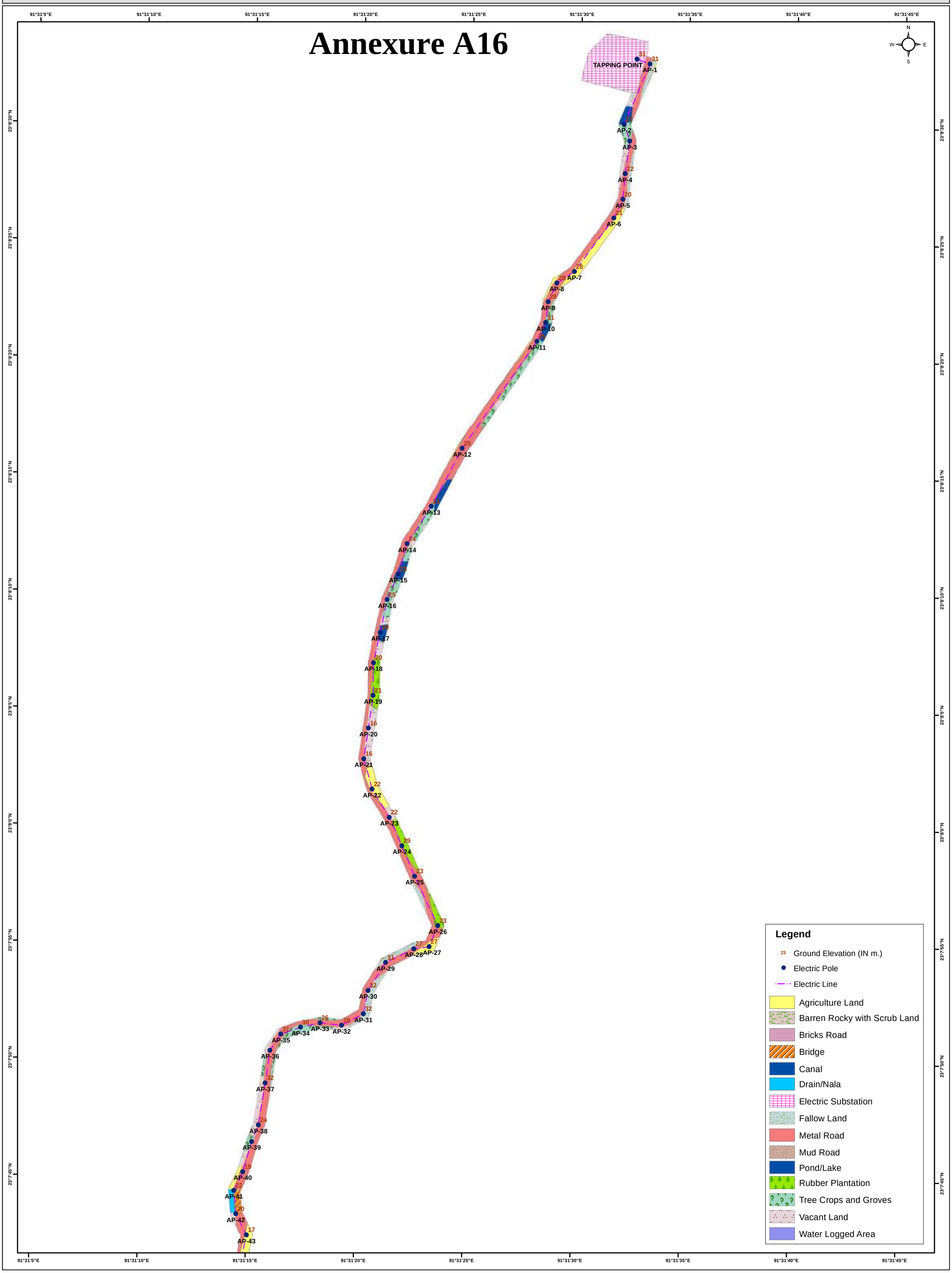


LAND USE/LAND COVER DETAILS OF TAPPING POINT ON EXISTING 33 KV BELONIA - HRISHYAMUKH TO SRINAGAR
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



LAND USE/LAND COVER DETAILS OF TAPPING POINT ON EXISTING 33 KV BELONIA - HRISHYAMUKH TO SRINAGAR
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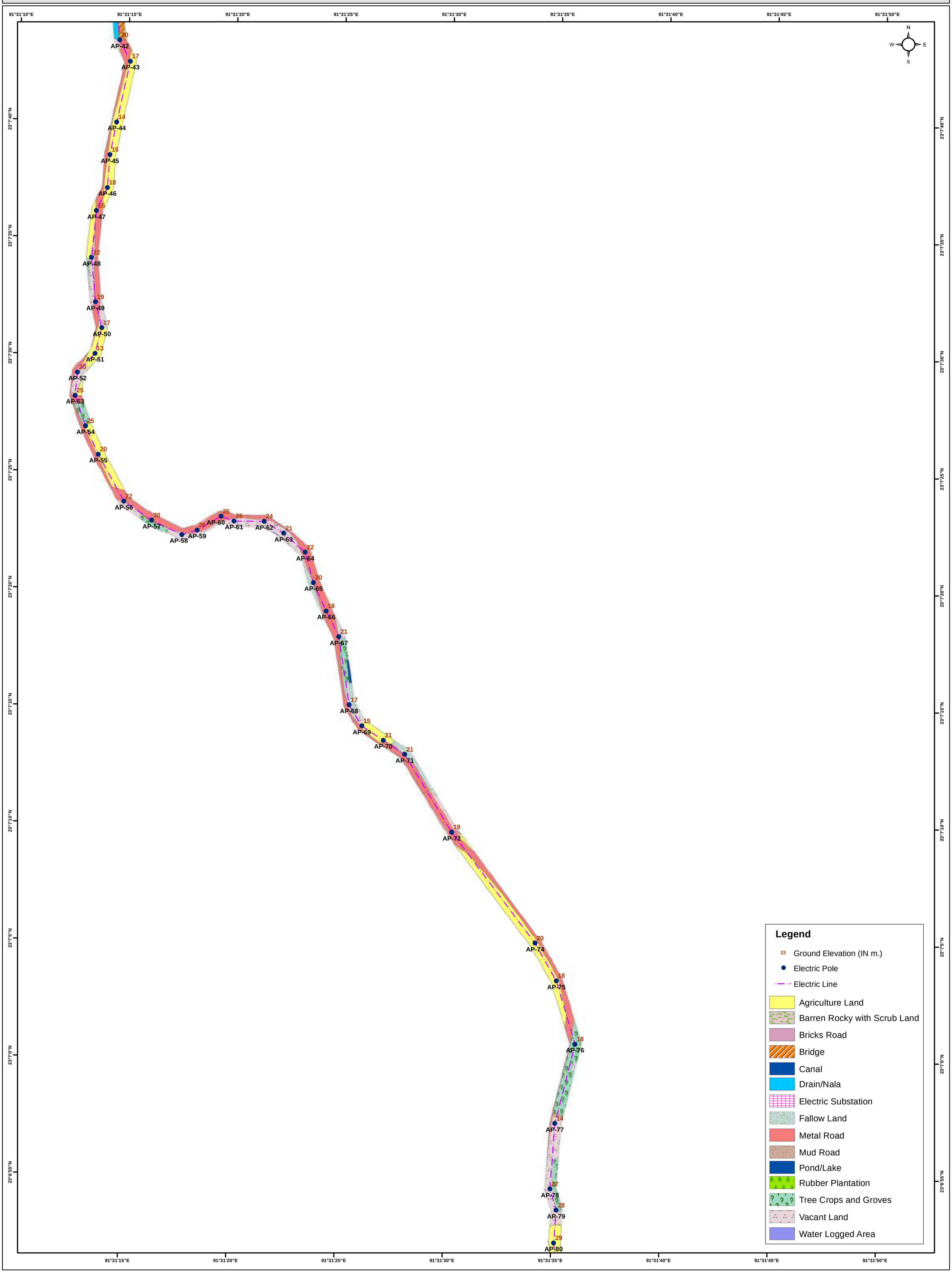

LAND USE/LAND COVER DETAILS OF TAPPING POINT ON EXISTING 33 KV BELONIA - HRISHYAMUKH TO SRINAGAR
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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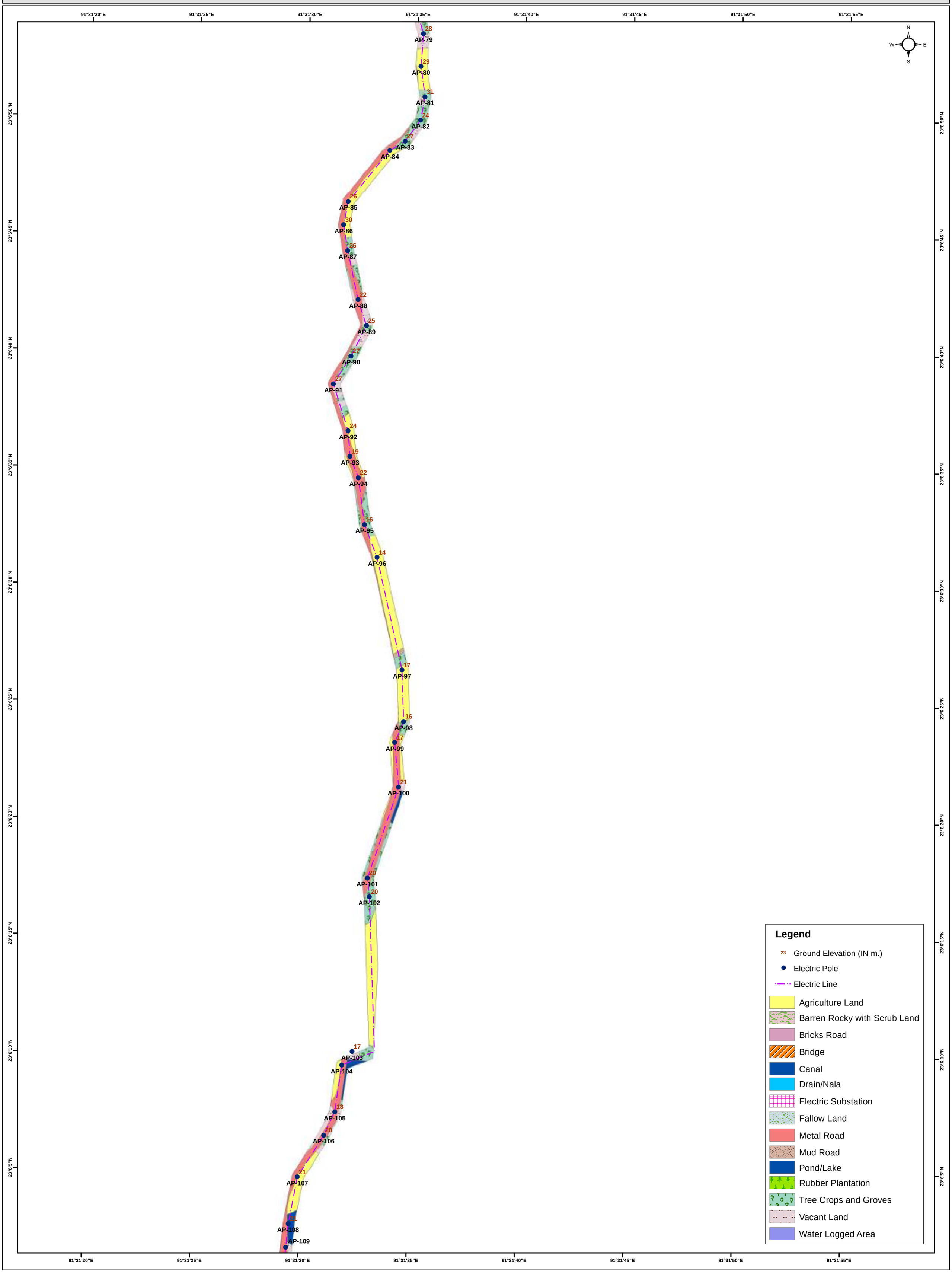

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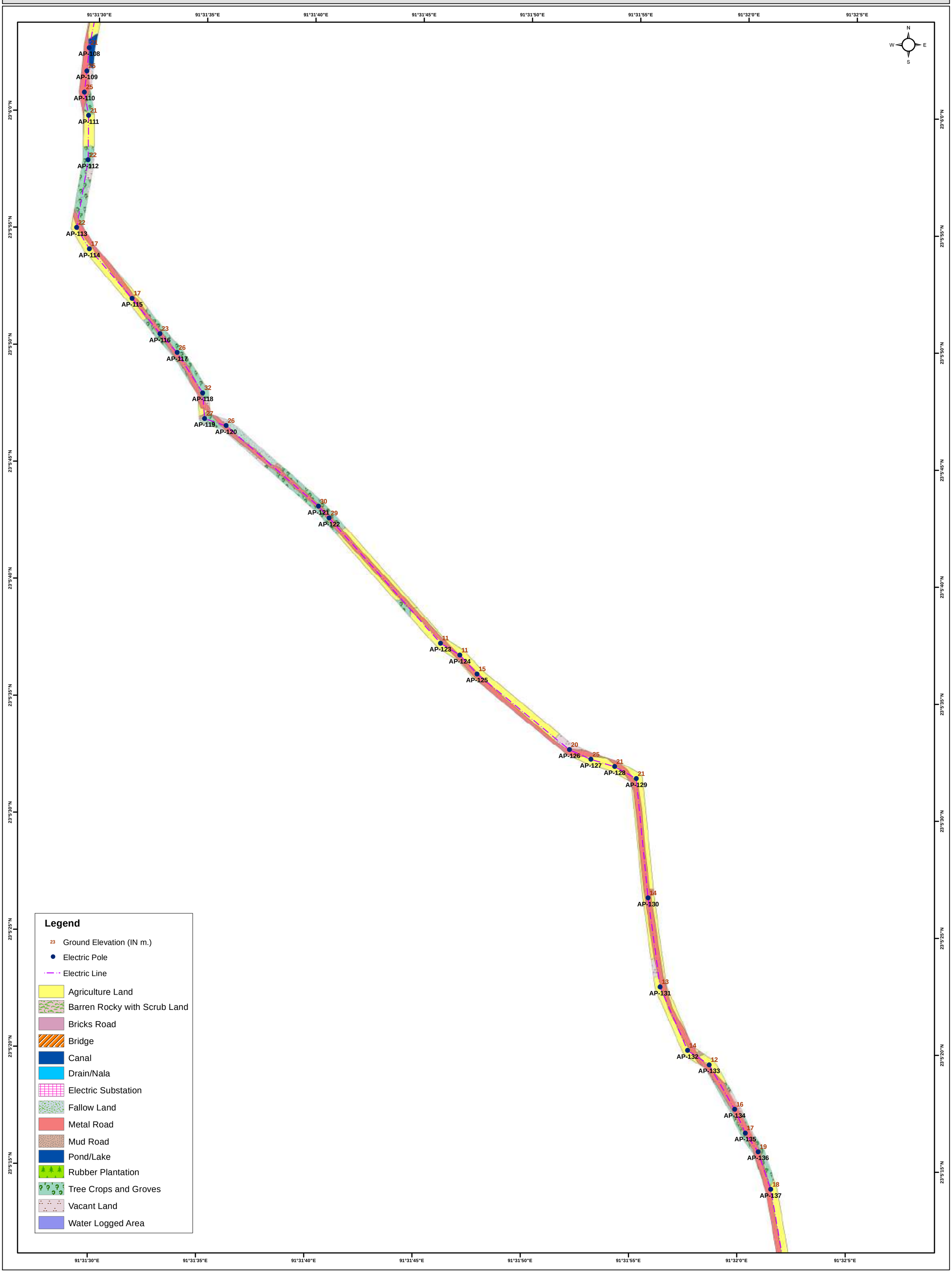

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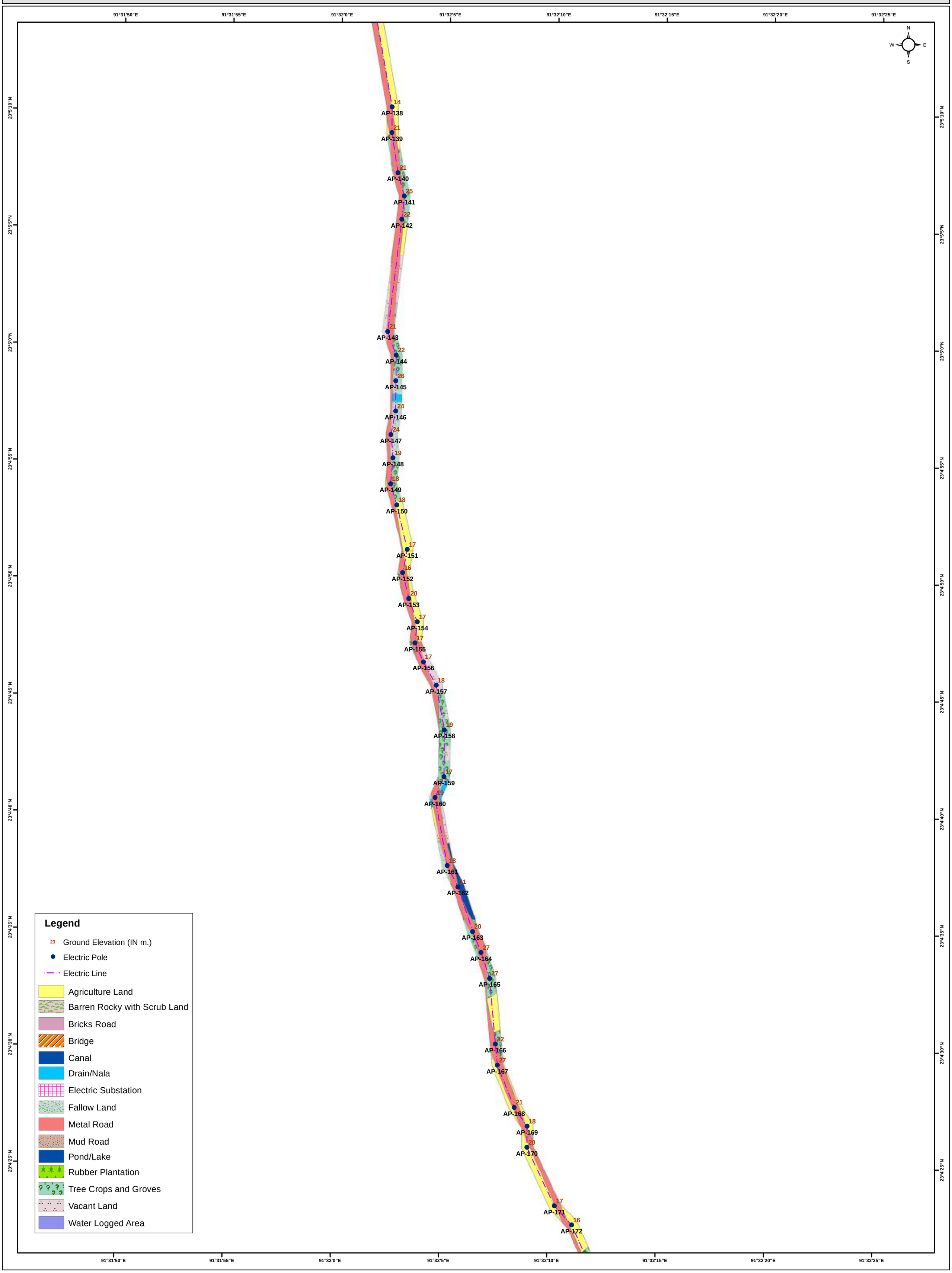

LAND USE/LAND COVER DETAILS OF TAPPING POINT ON EXISTING 33 KV BELONIA - HRISHYAMUKH TO SRINAGAR
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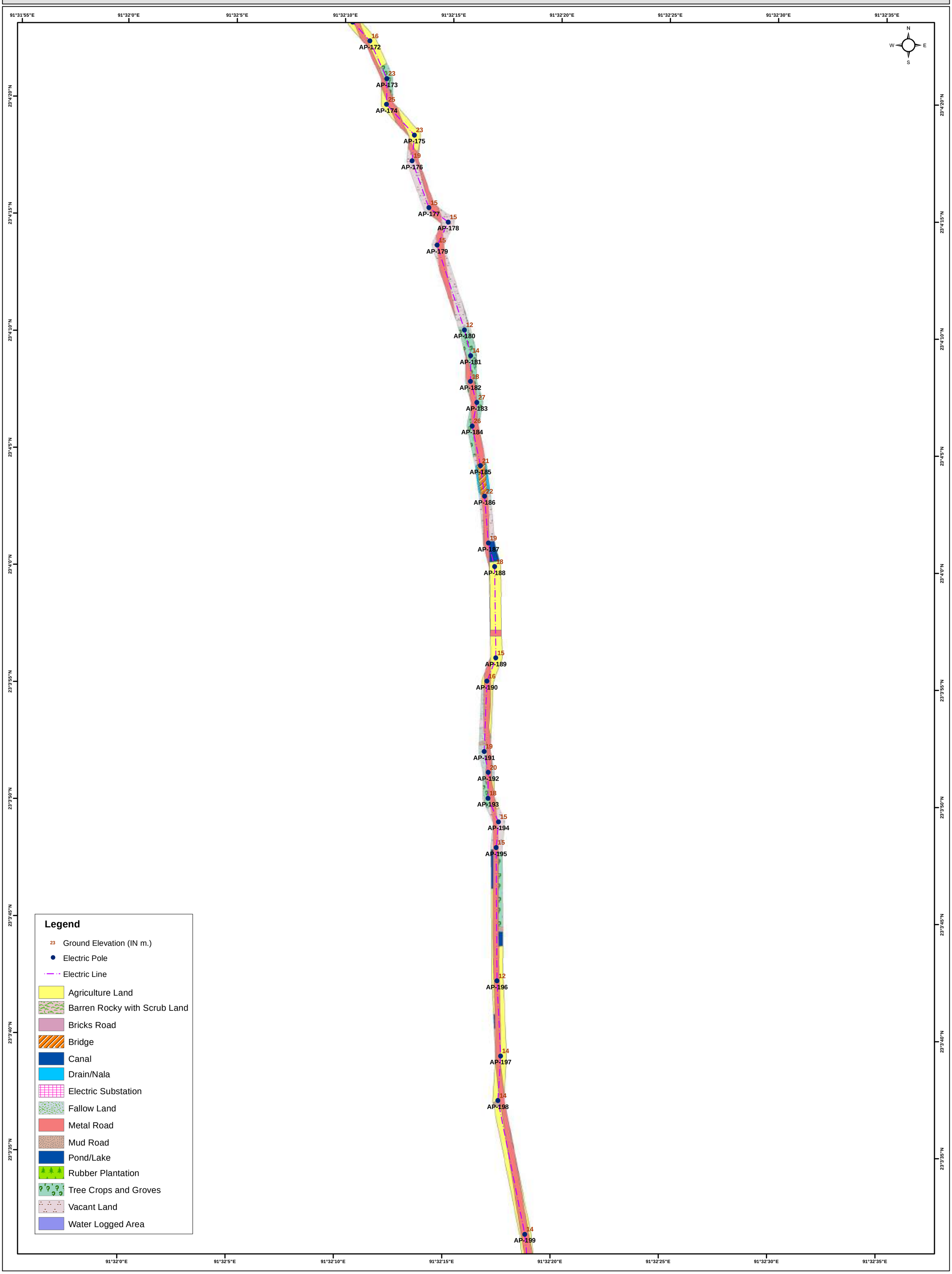

LAND USE/LAND COVER DETAILS OF TAPPING POINT ON EXISTING 33 KV BELONIA - HRISHYAMUKH TO SRINAGAR
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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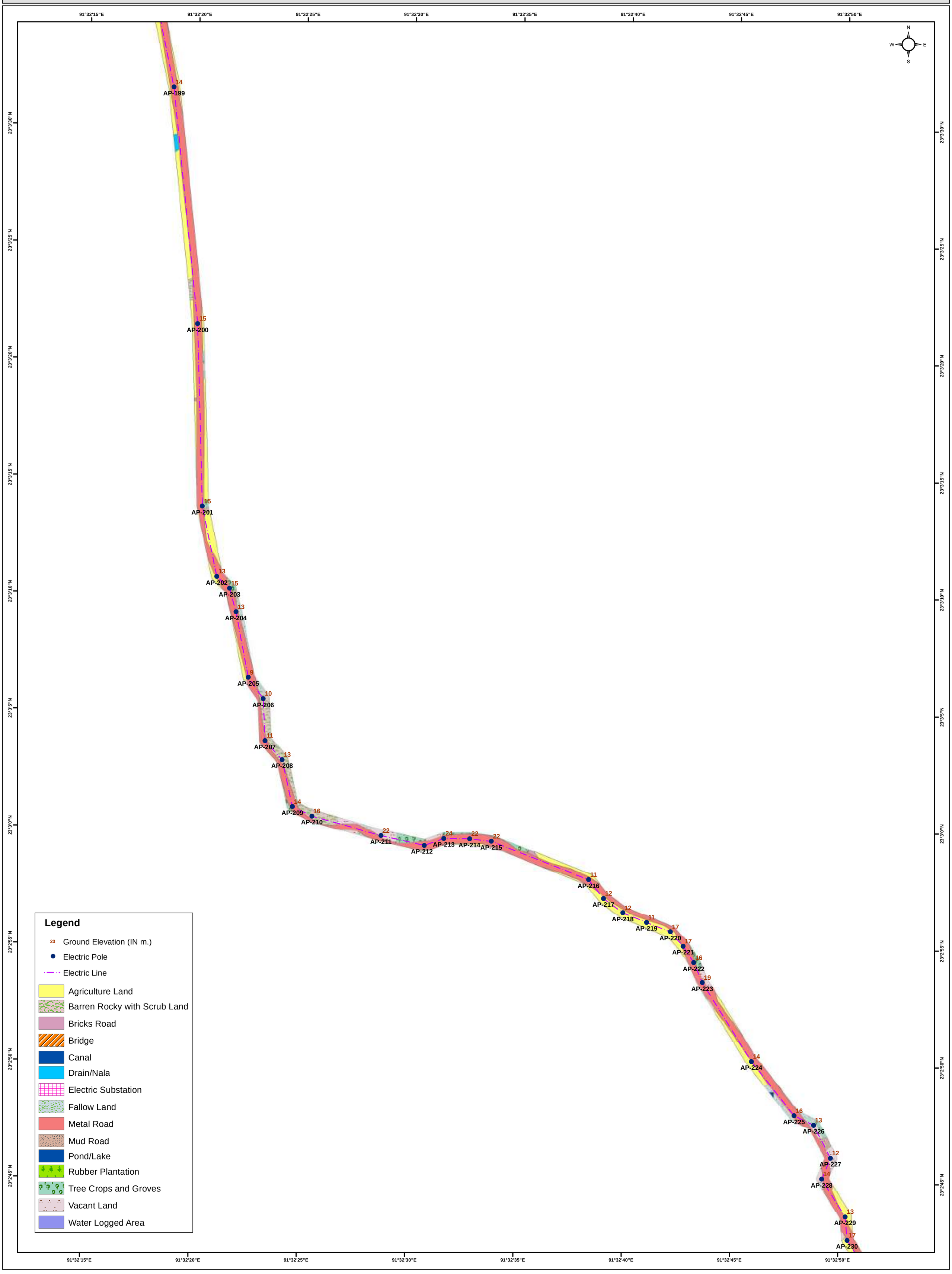
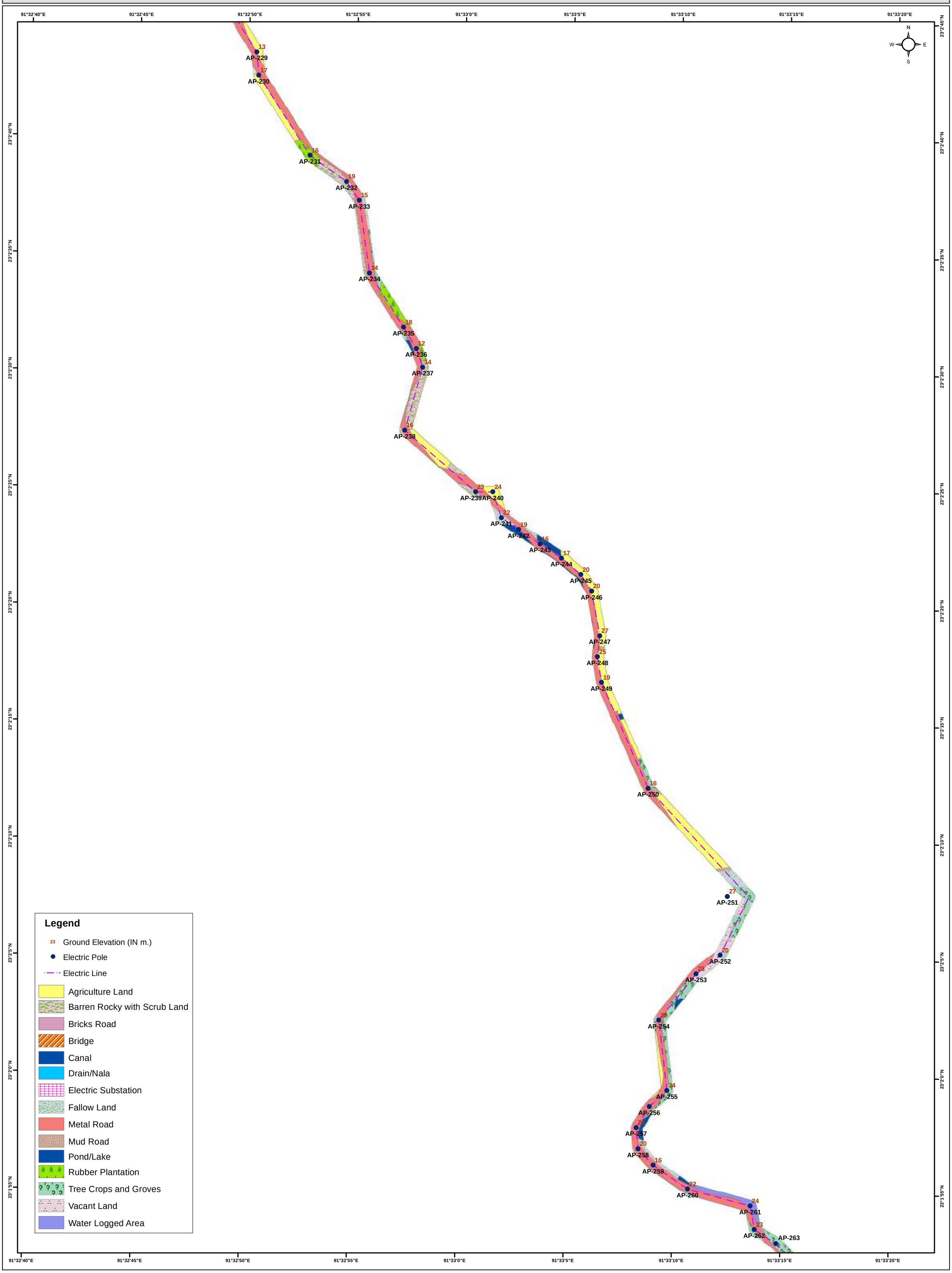


LAND USE/LAND COVER DETAILS OF TAPPING POINT ON EXISTING 33 KV BELONIA - HRISHYAMUKH TO SRINAGAR
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



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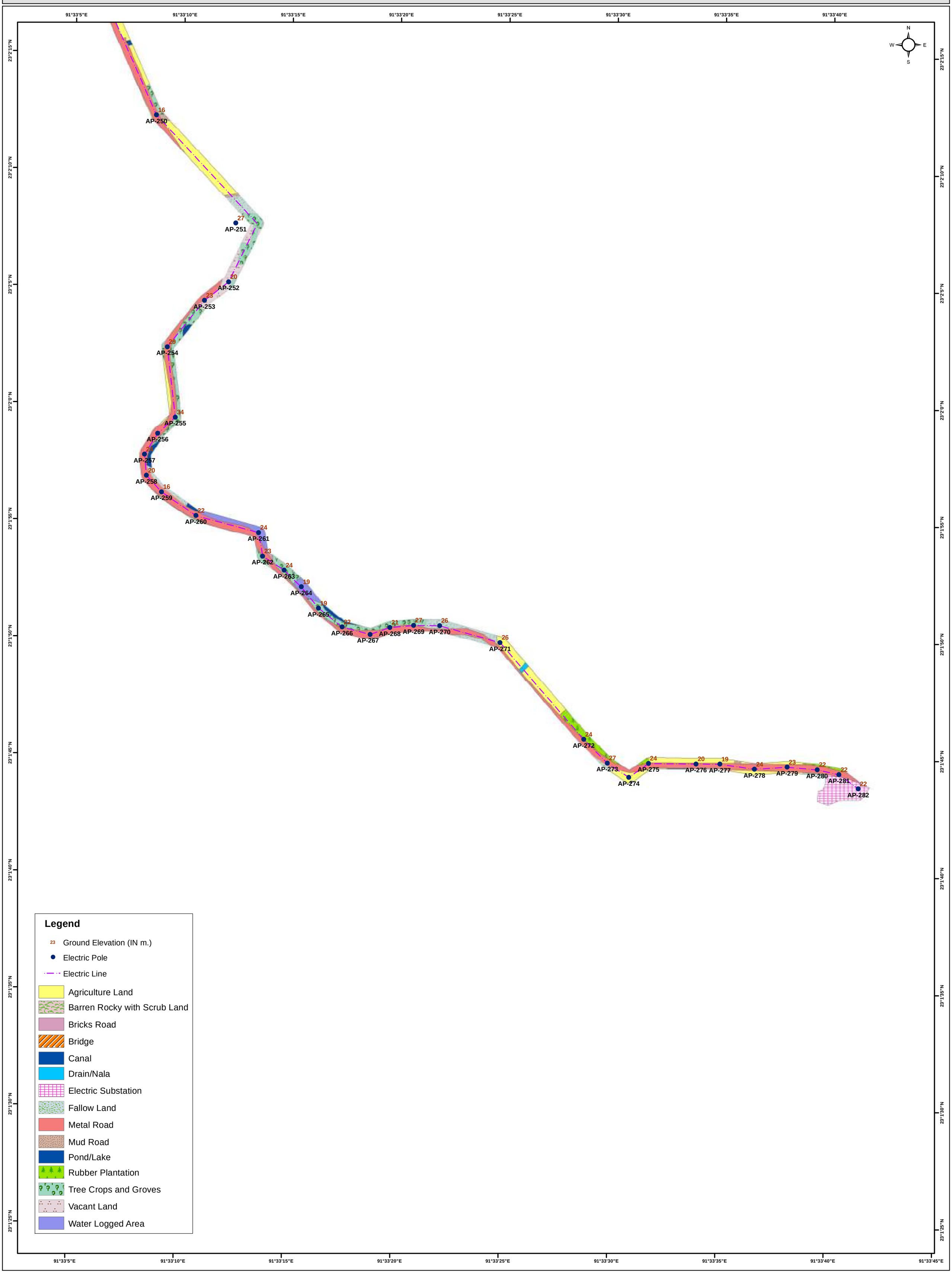
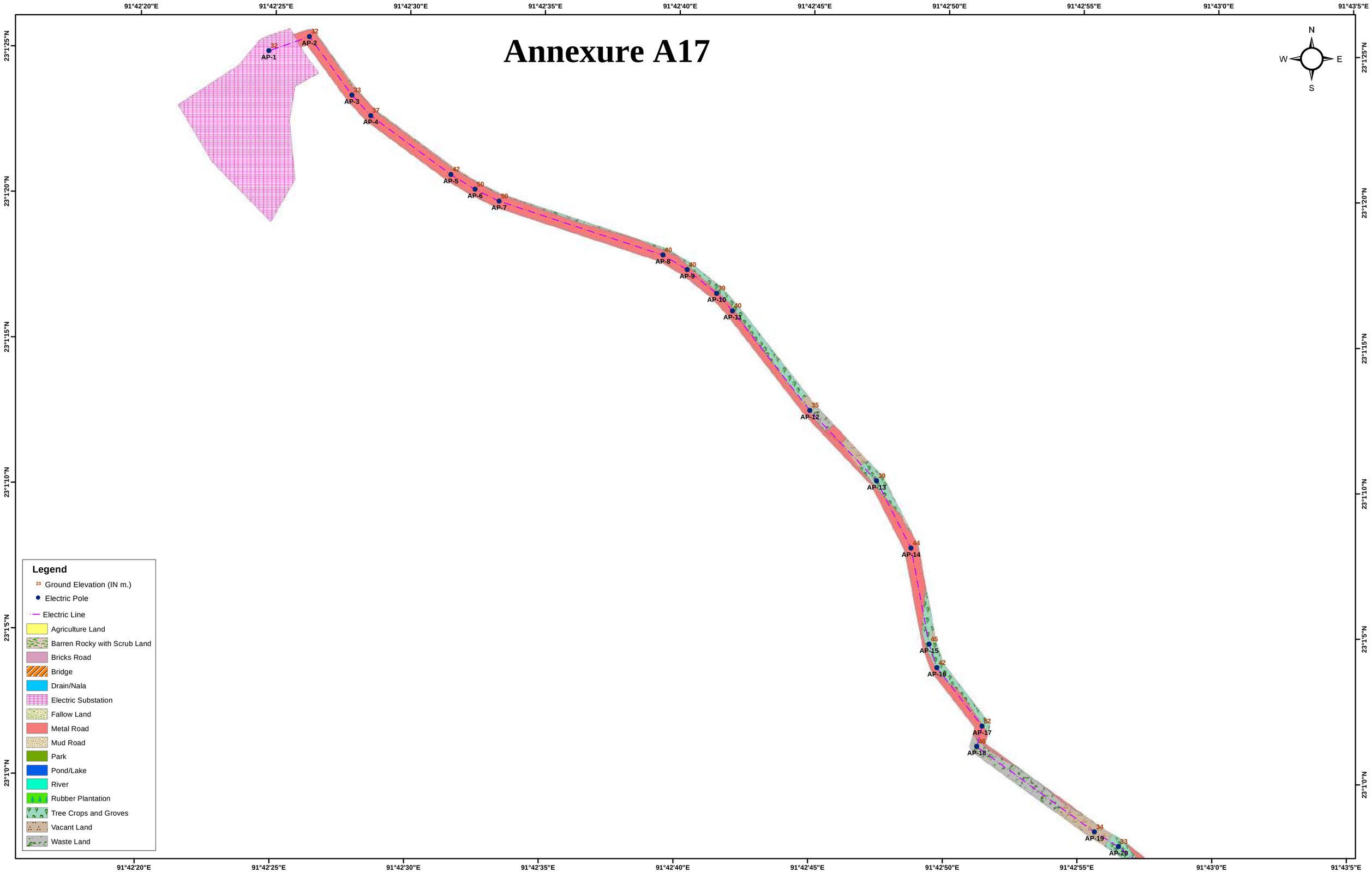
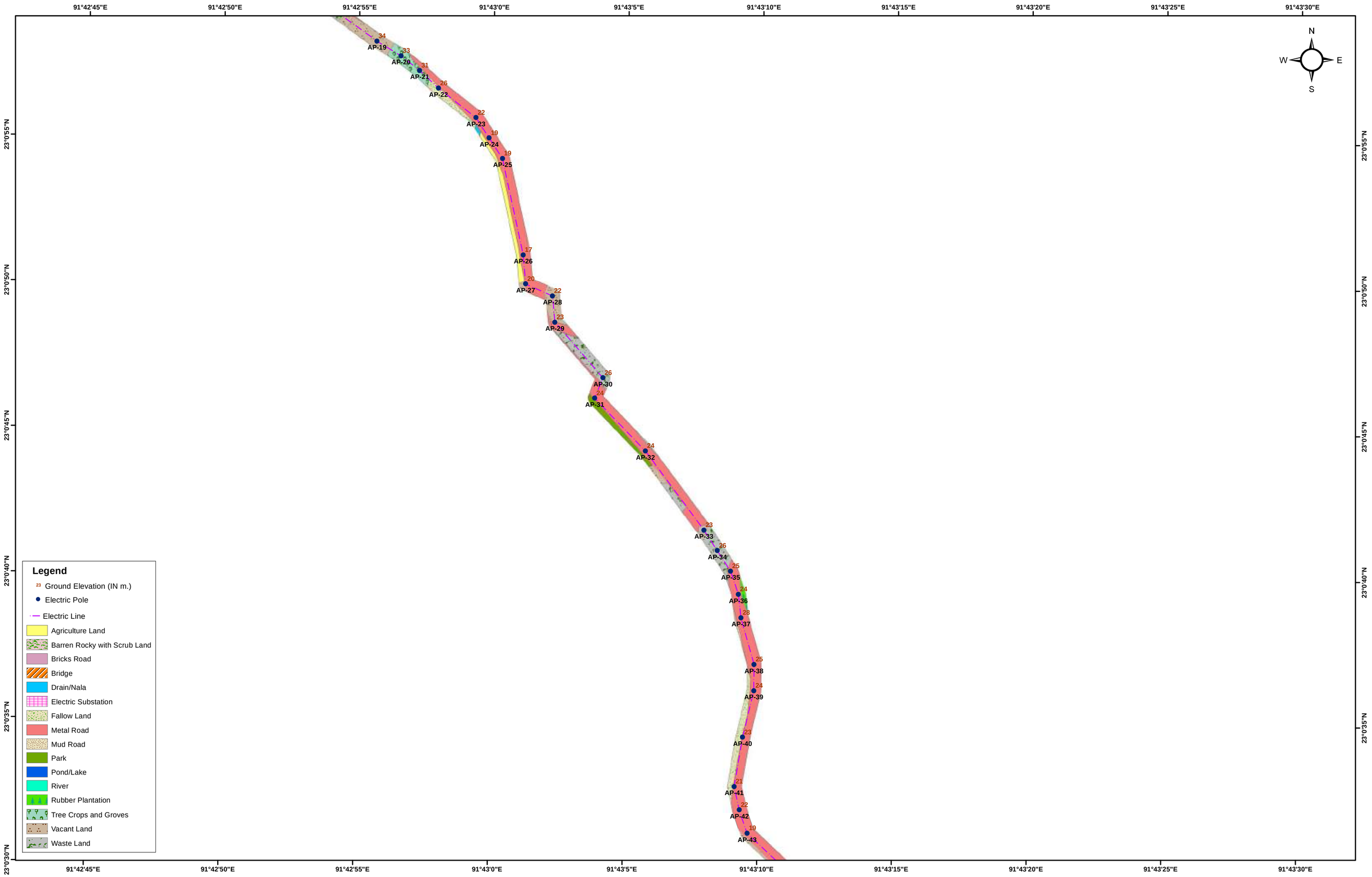


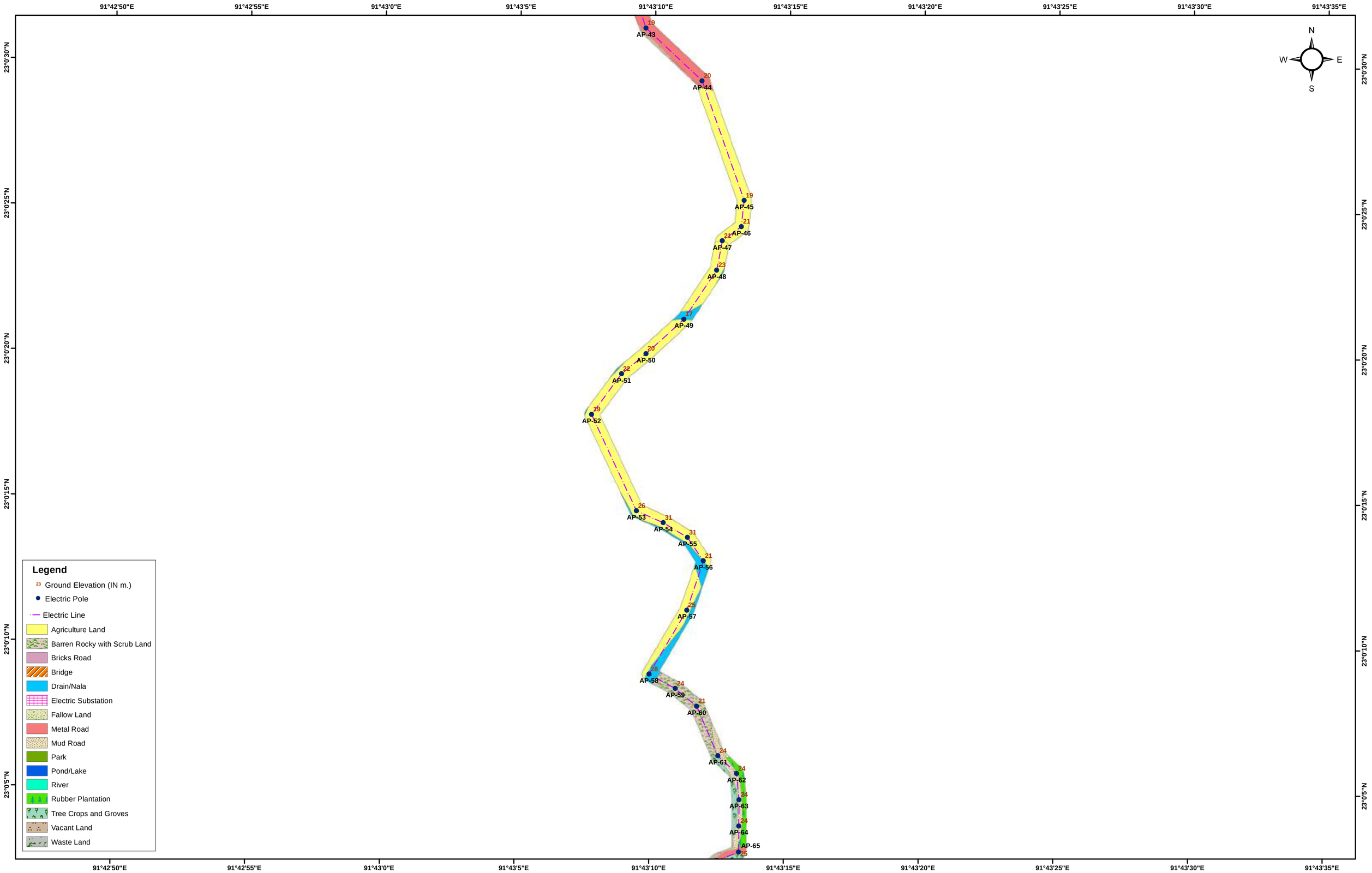
LAND USE/LAND COVER DETAILS OF PROPOSED 132/33 KV SABROOM S/S TO PROPOSED 33/11 KV MANUGHAT S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



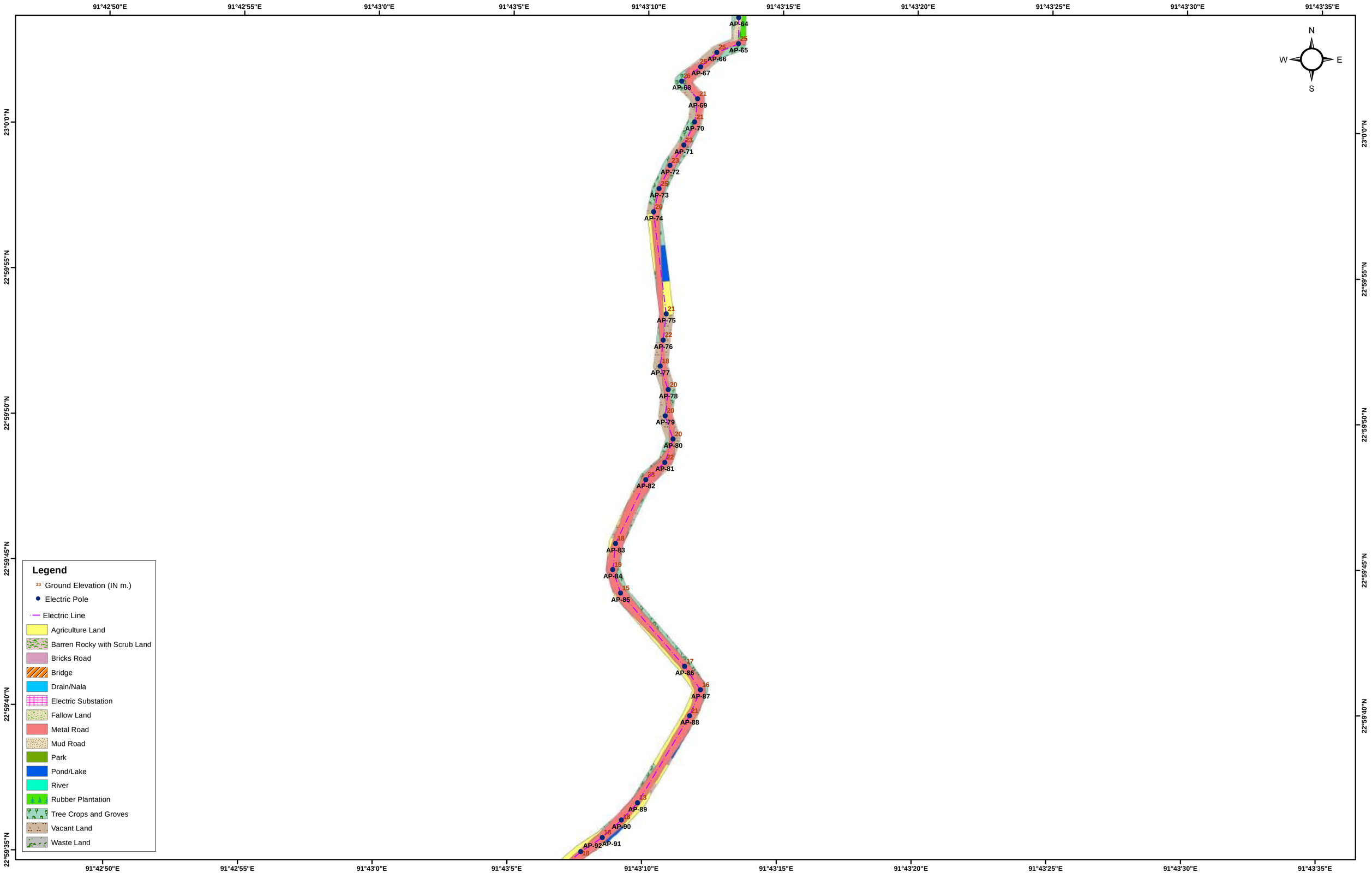
LAND USE/LAND COVER DETAILS OF PROPOSED 132/33 KV SABROOM S/S TO PROPOSED 33/11 KV MANUGHAT S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



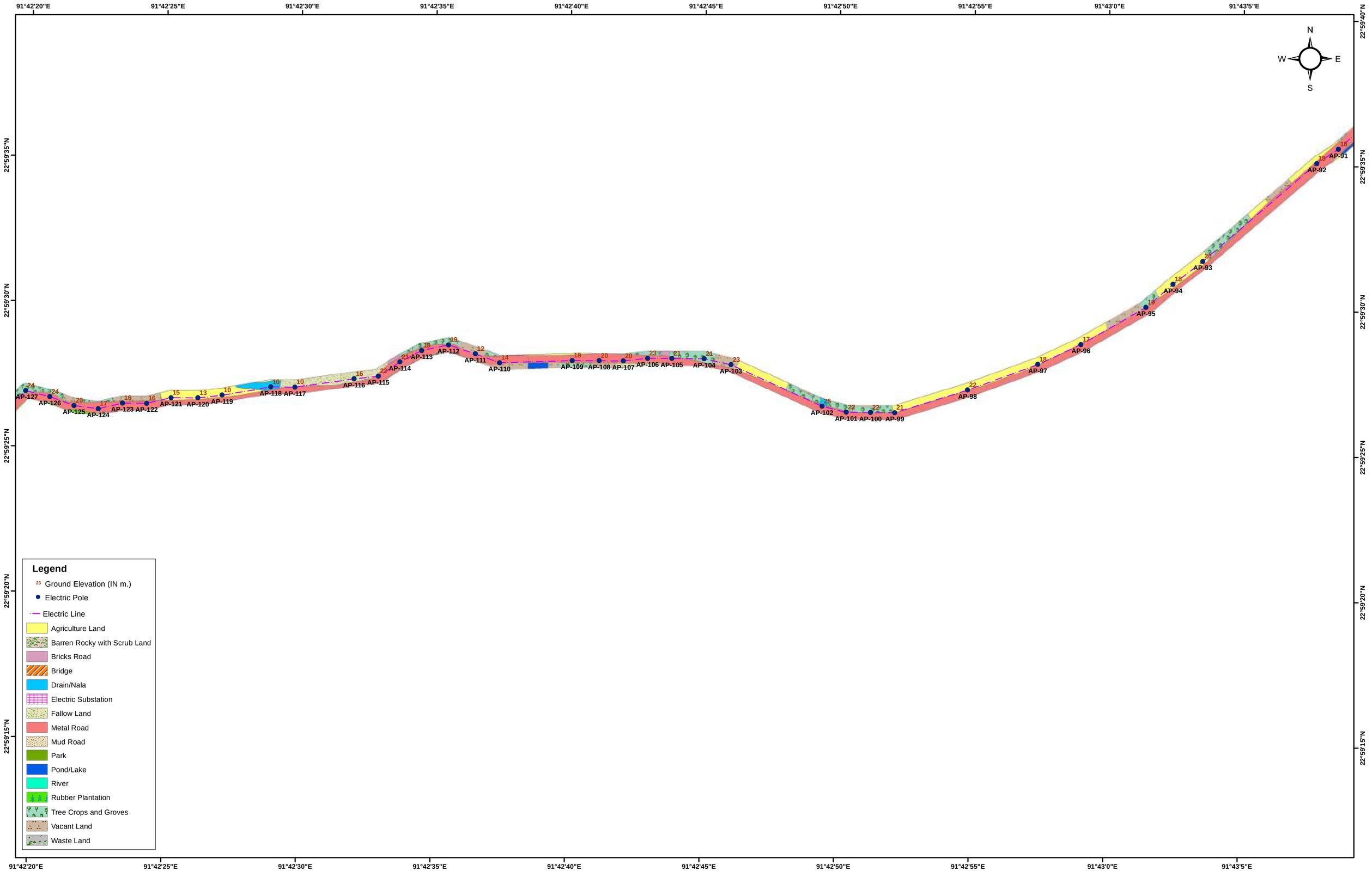
LAND USE/LAND COVER DETAILS OF PROPOSED 132/33 KV SABROOM S/S TO PROPOSED 33/11 KV MANUGHAT S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



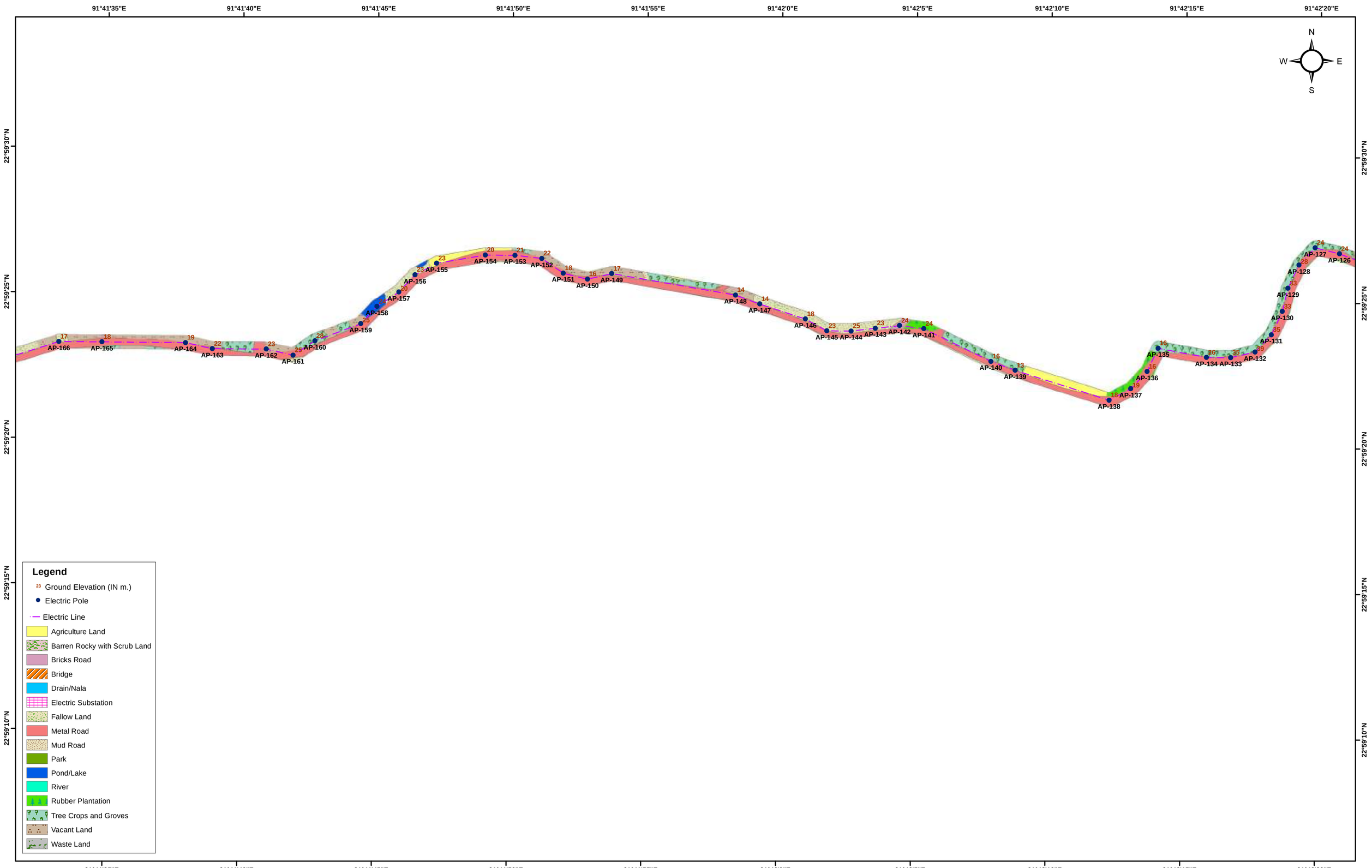
LAND USE/LAND COVER DETAILS OF PROPOSED 132/33 KV SABROOM S/S TO PROPOSED 33/11 KV MANUGHAT S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



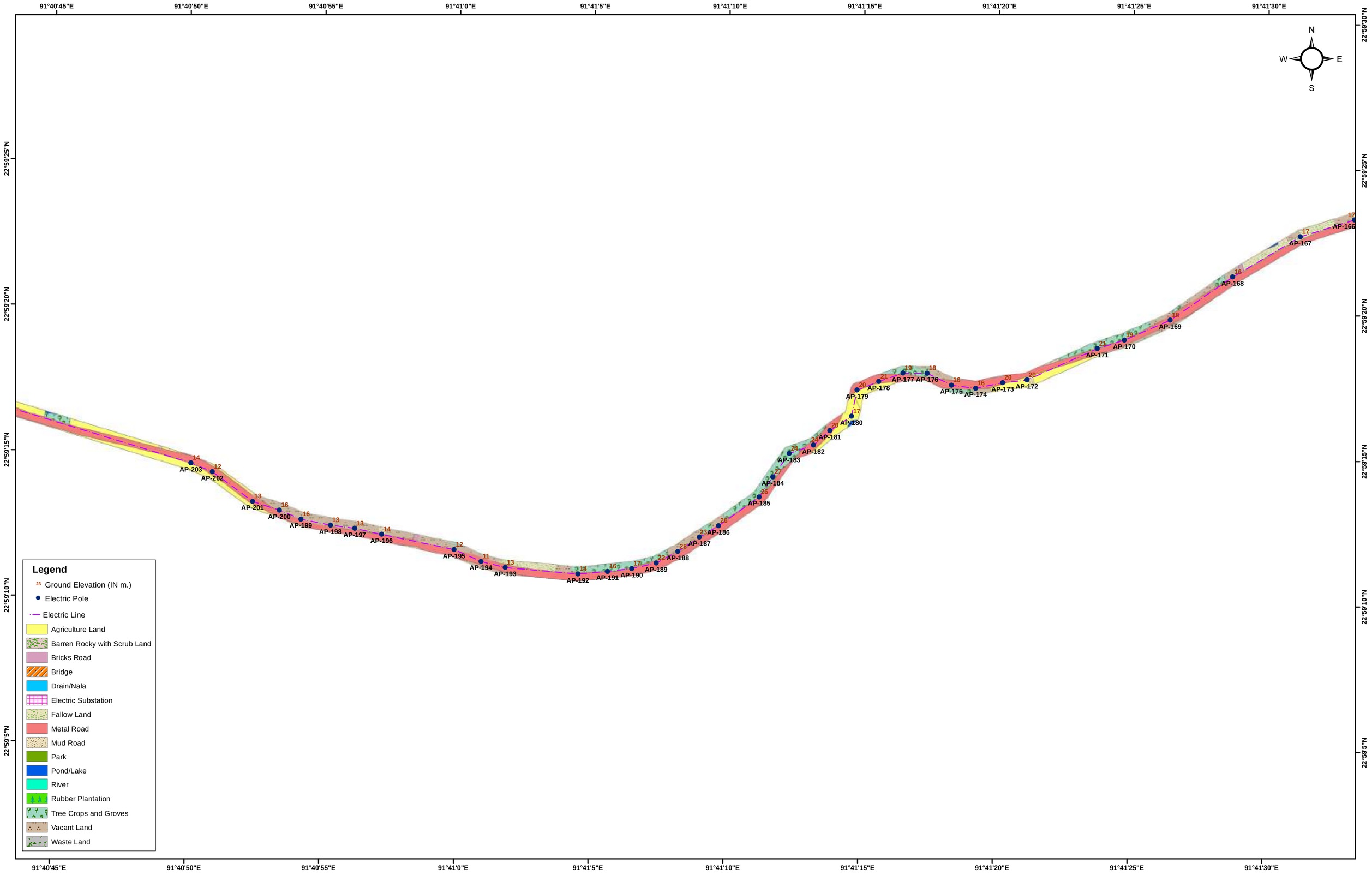
LAND USE/LAND COVER DETAILS OF PROPOSED 132/33 KV SABROOM S/S TO PROPOSED 33/11 KV MANUGHAT S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



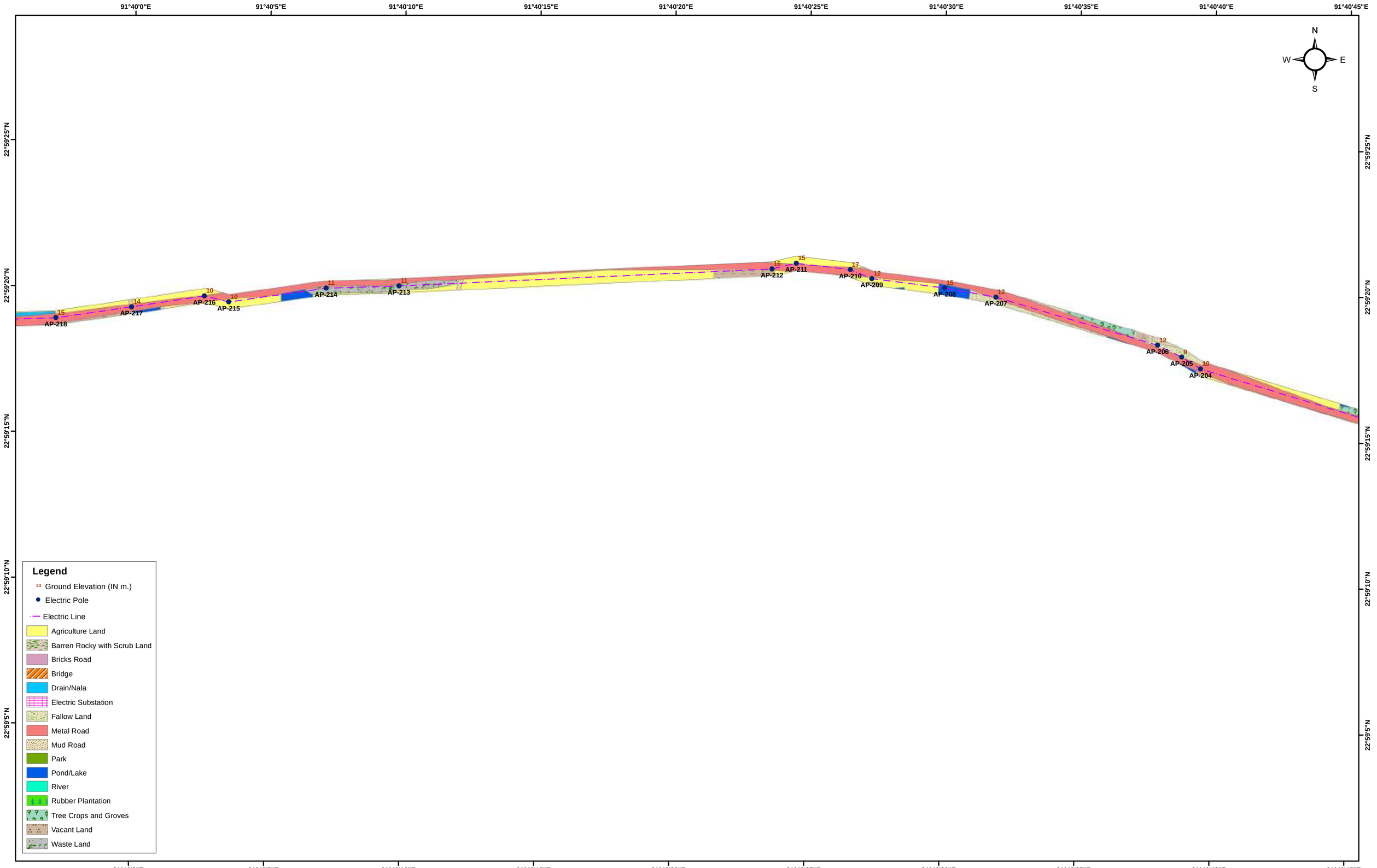
LAND USE/LAND COVER DETAILS OF PROPOSED 132/33 KV SABROOM S/S TO PROPOSED 33/11 KV MANUGHAT S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



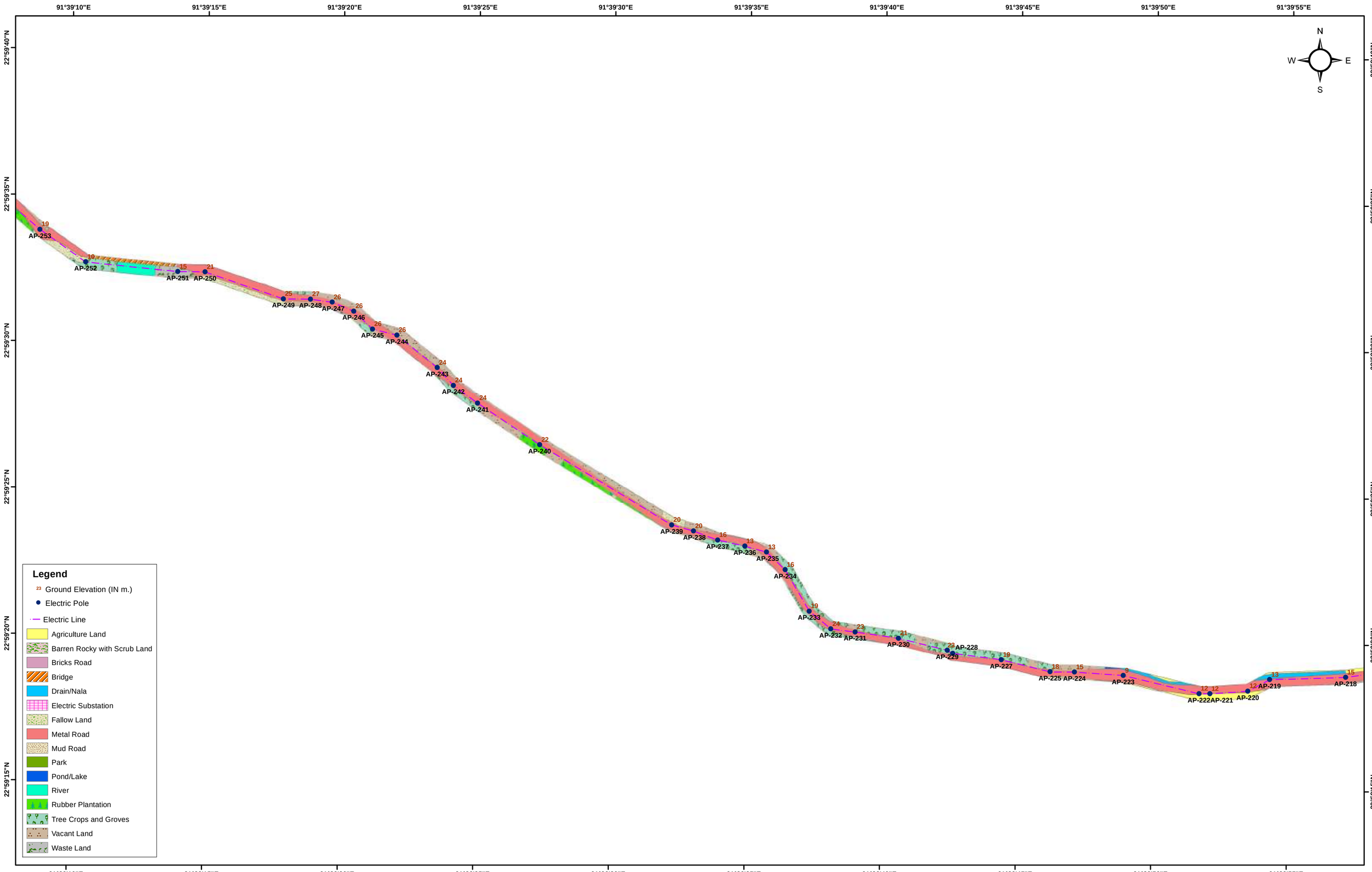
LAND USE/LAND COVER DETAILS OF PROPOSED 132/33 KV SABROOM S/S TO PROPOSED 33/11 KV MANUGHAT S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



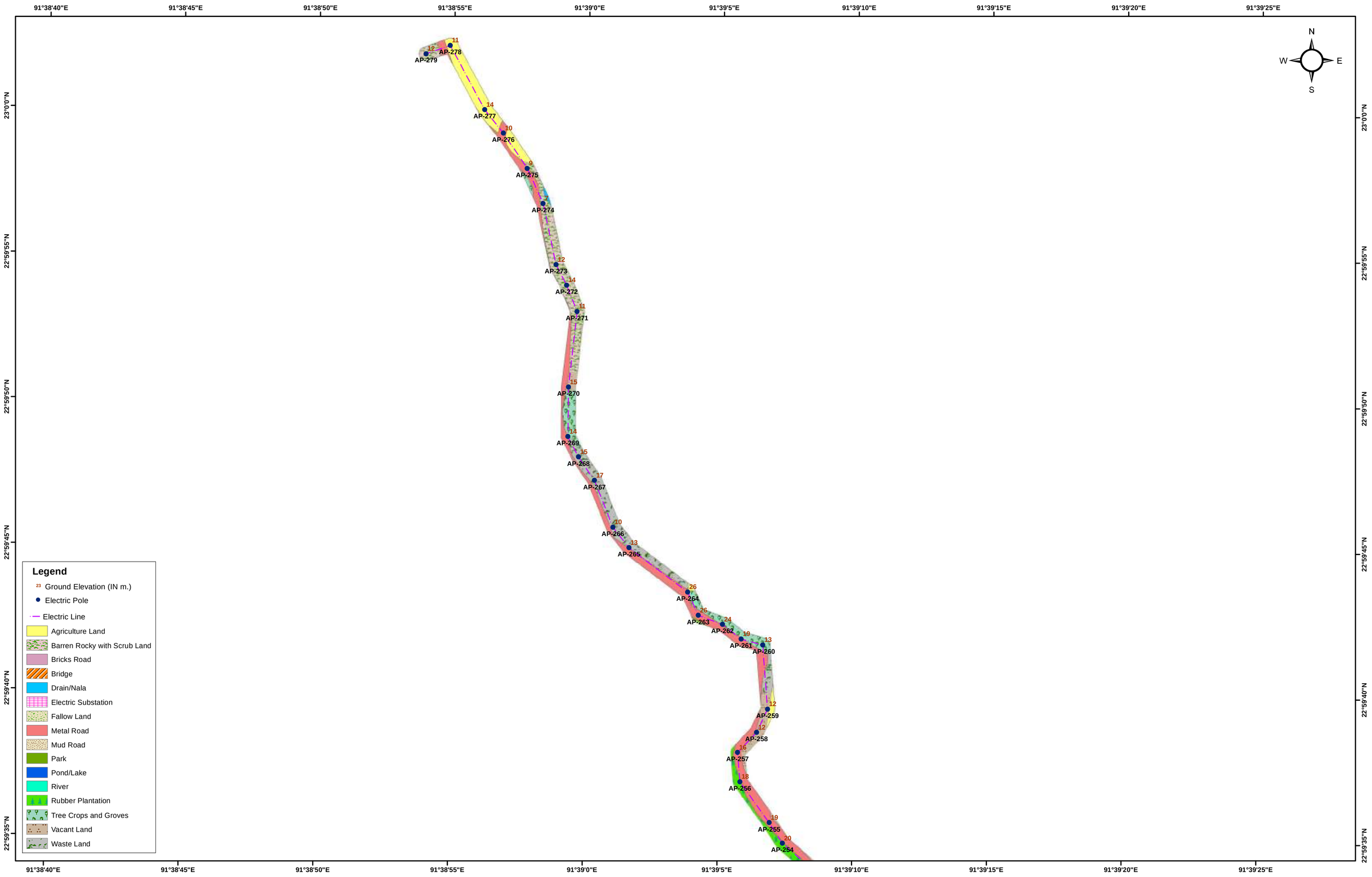
LAND USE/LAND COVER DETAILS OF PROPOSED 132/33 KV SABROOM S/S TO PROPOSED 33/11 KV MANUGHAT S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



LAND USE/LAND COVER DETAILS OF PROPOSED 132/33 KV SABROOM S/S TO PROPOSED 33/11 KV MANUGHAT S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,

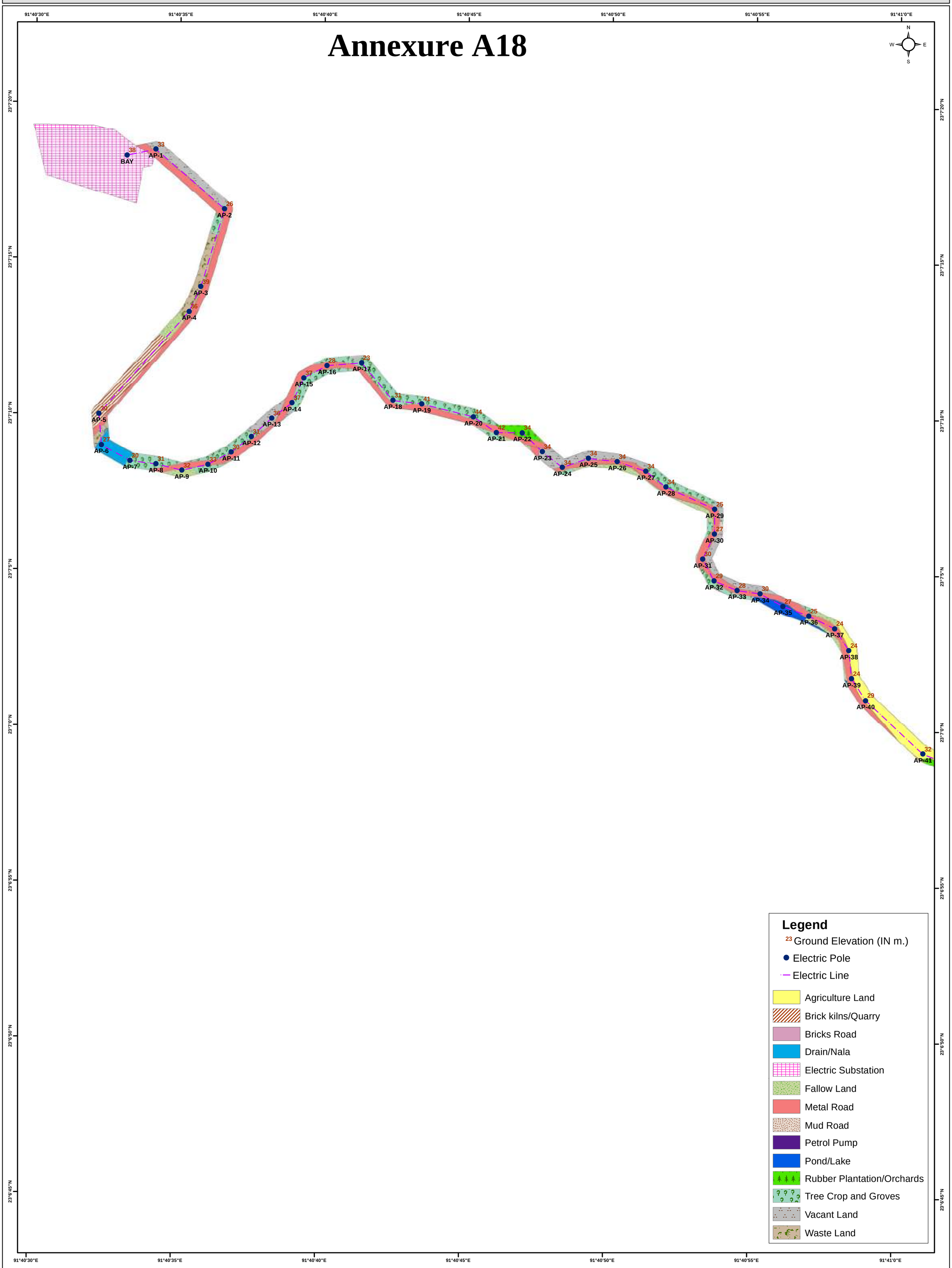


LAND USE/LAND COVER DETAILS OF PROPOSED 132/33 KV SABROOM S/S TO PROPOSED 33/11 KV MANUGHAT S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,

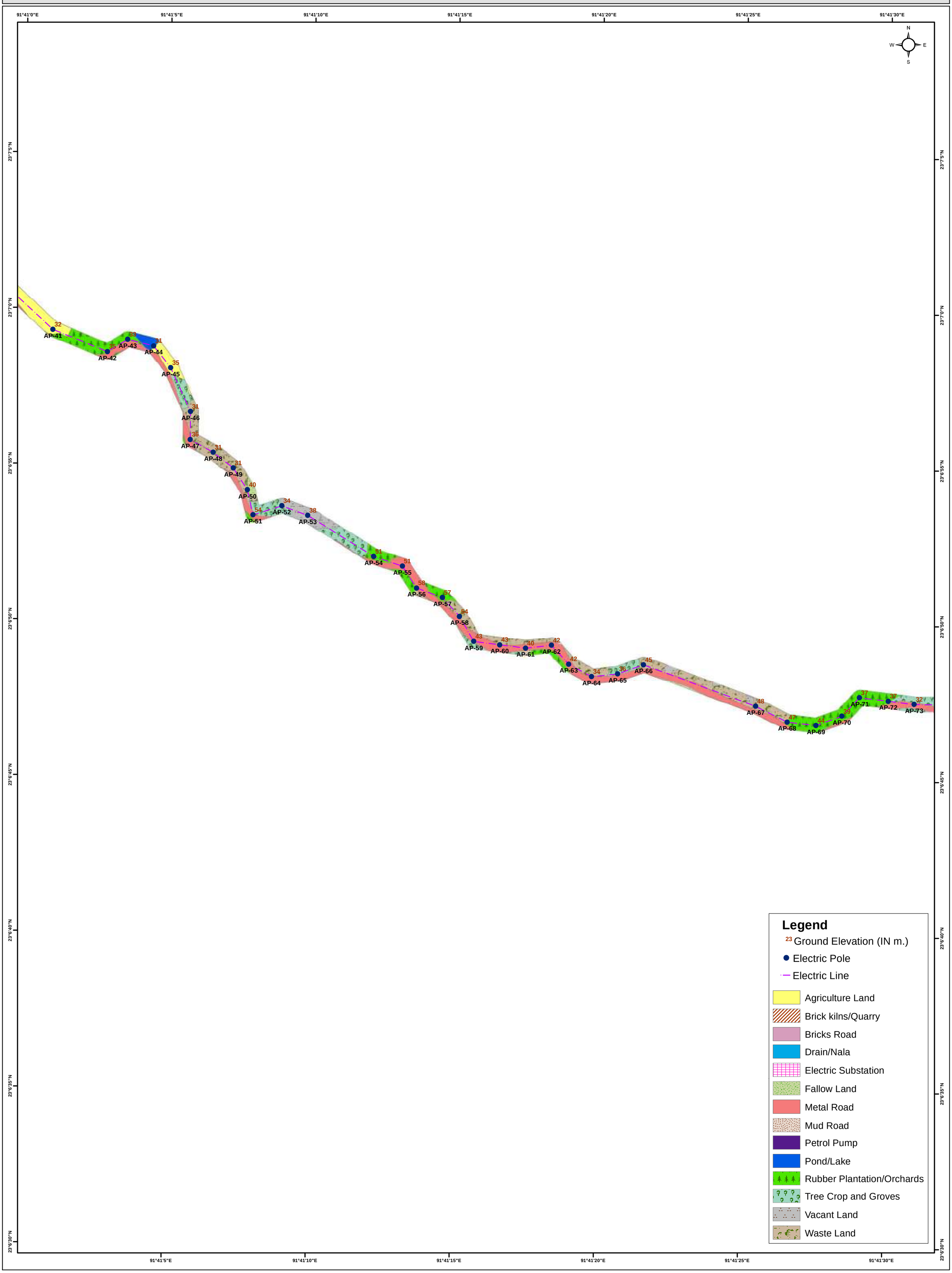


LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33/KV SABROOM S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,

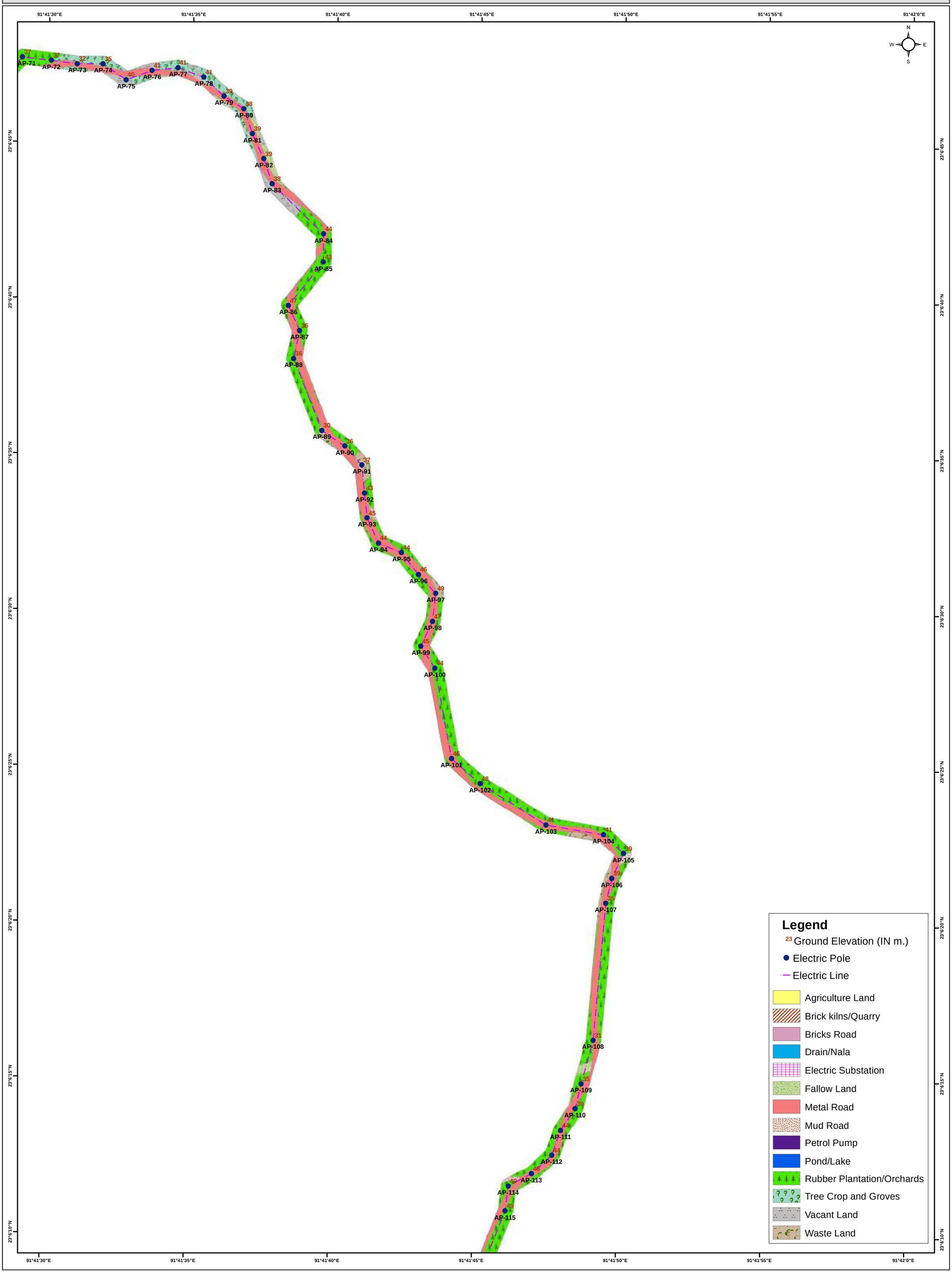
Annexure A18



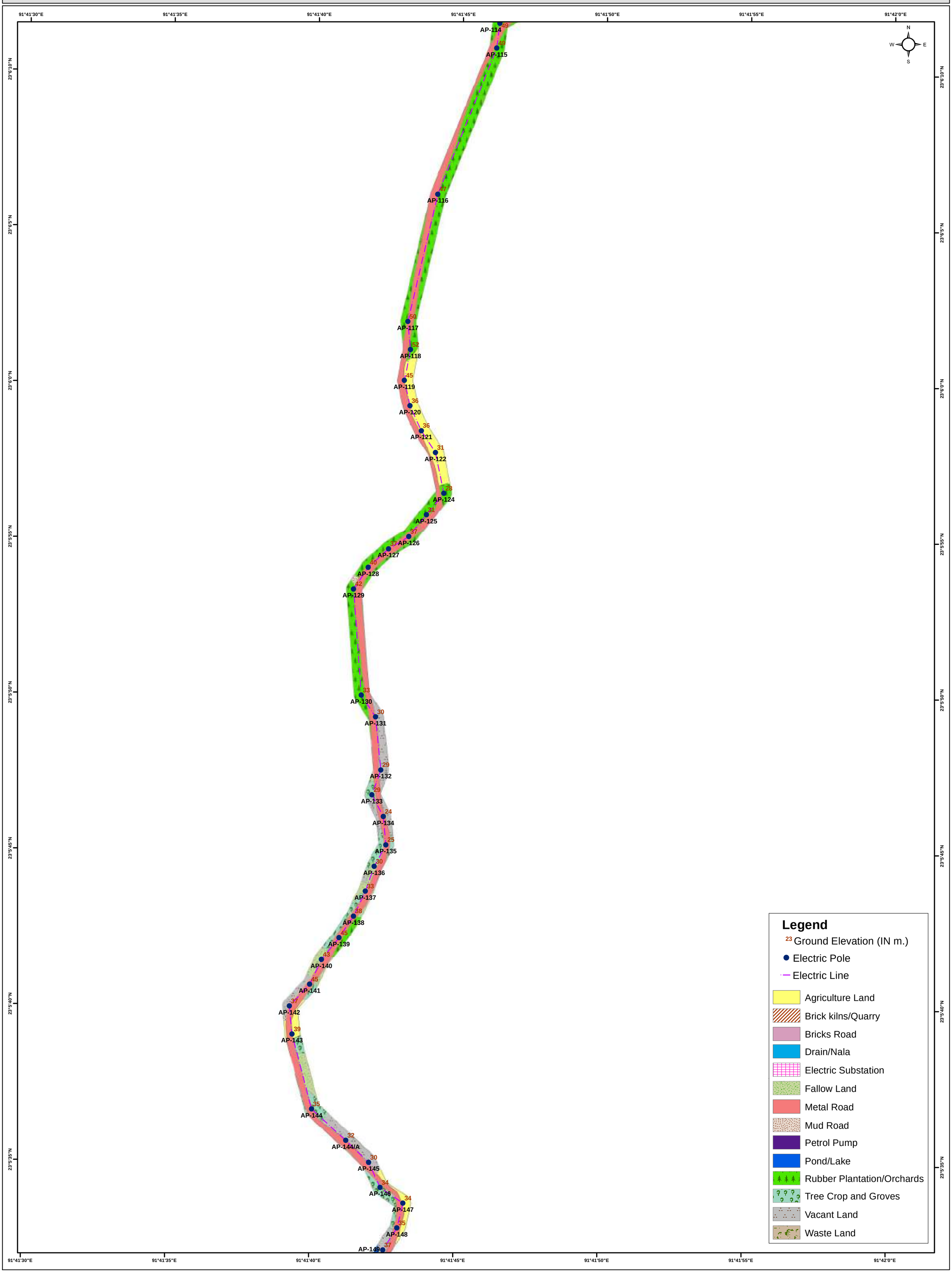
LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33/KV SABROOM S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



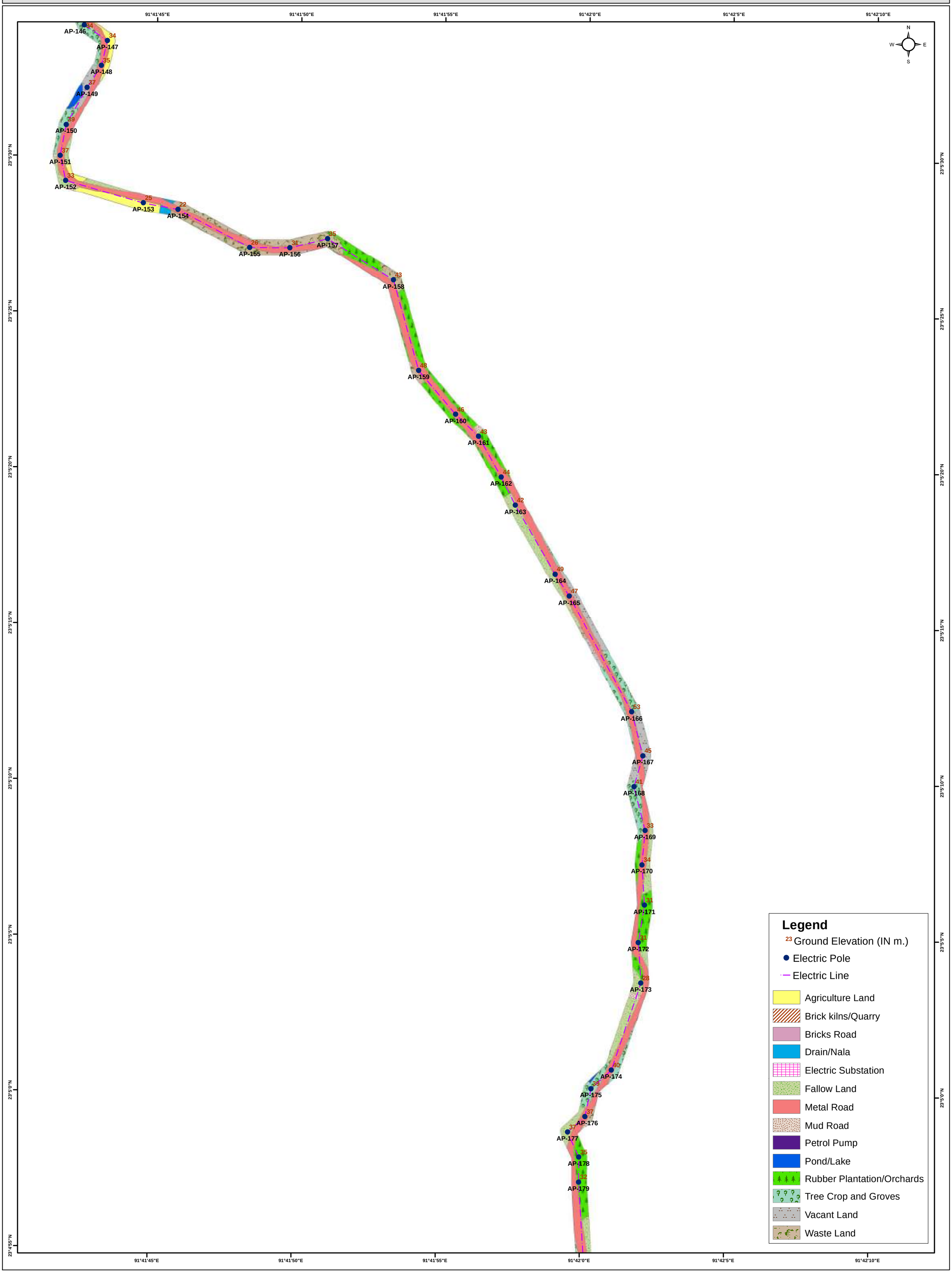
LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33/KV SABROOM S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



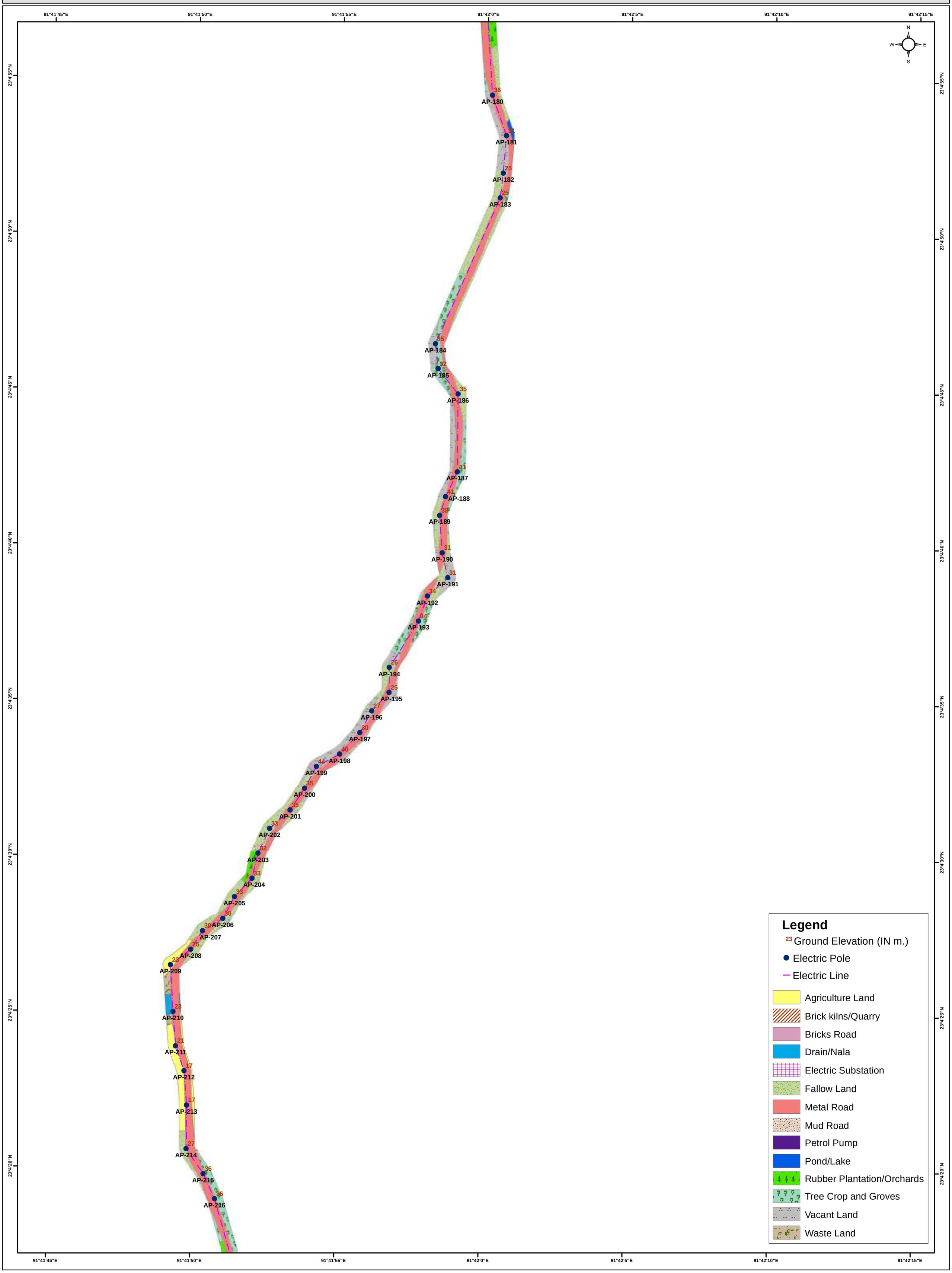
LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33/KV SABROOM S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



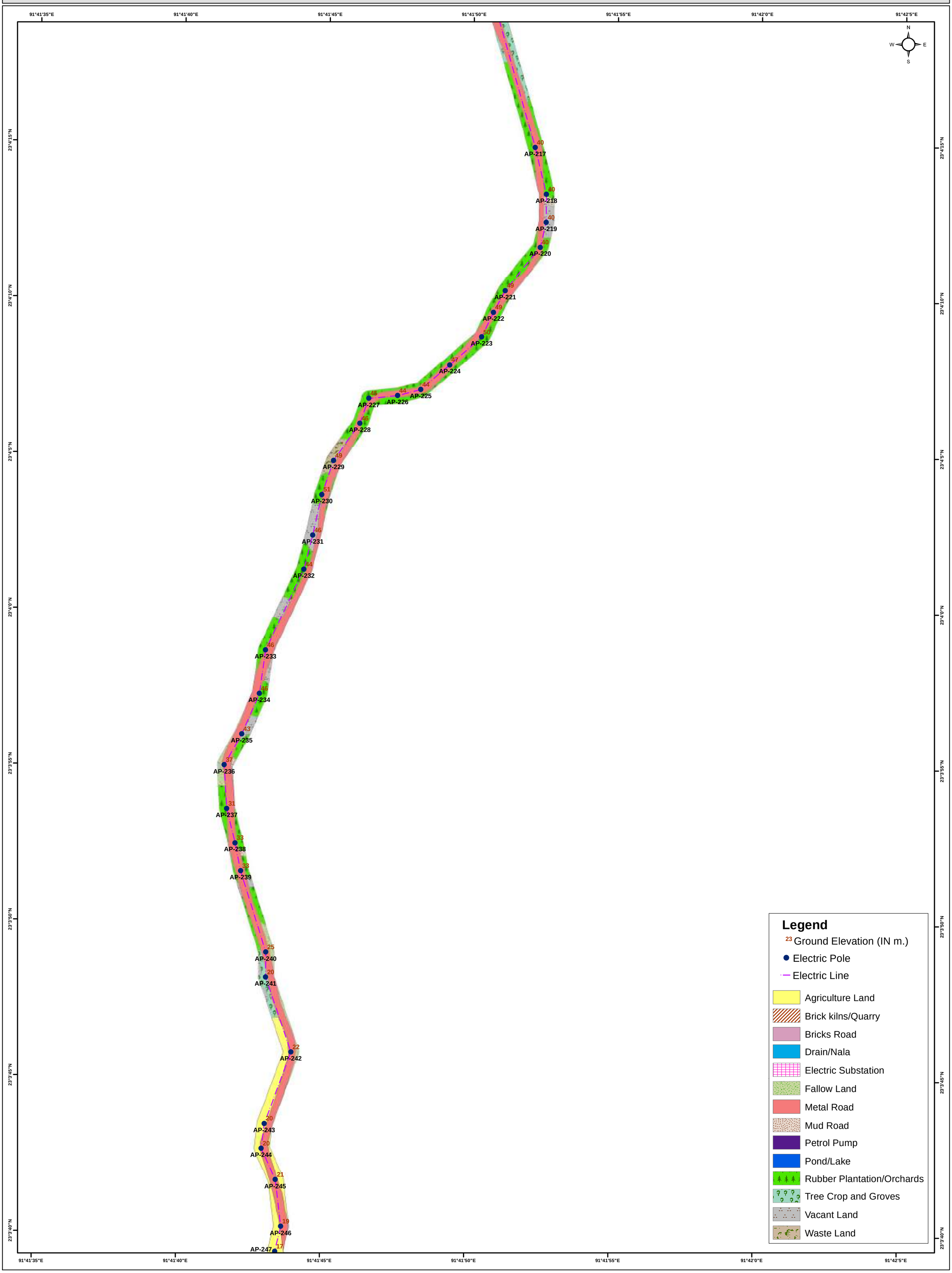
LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33/KV SABROOM S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33/KV SABROOM S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33/KV SABROOM S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33/KV SABROOM S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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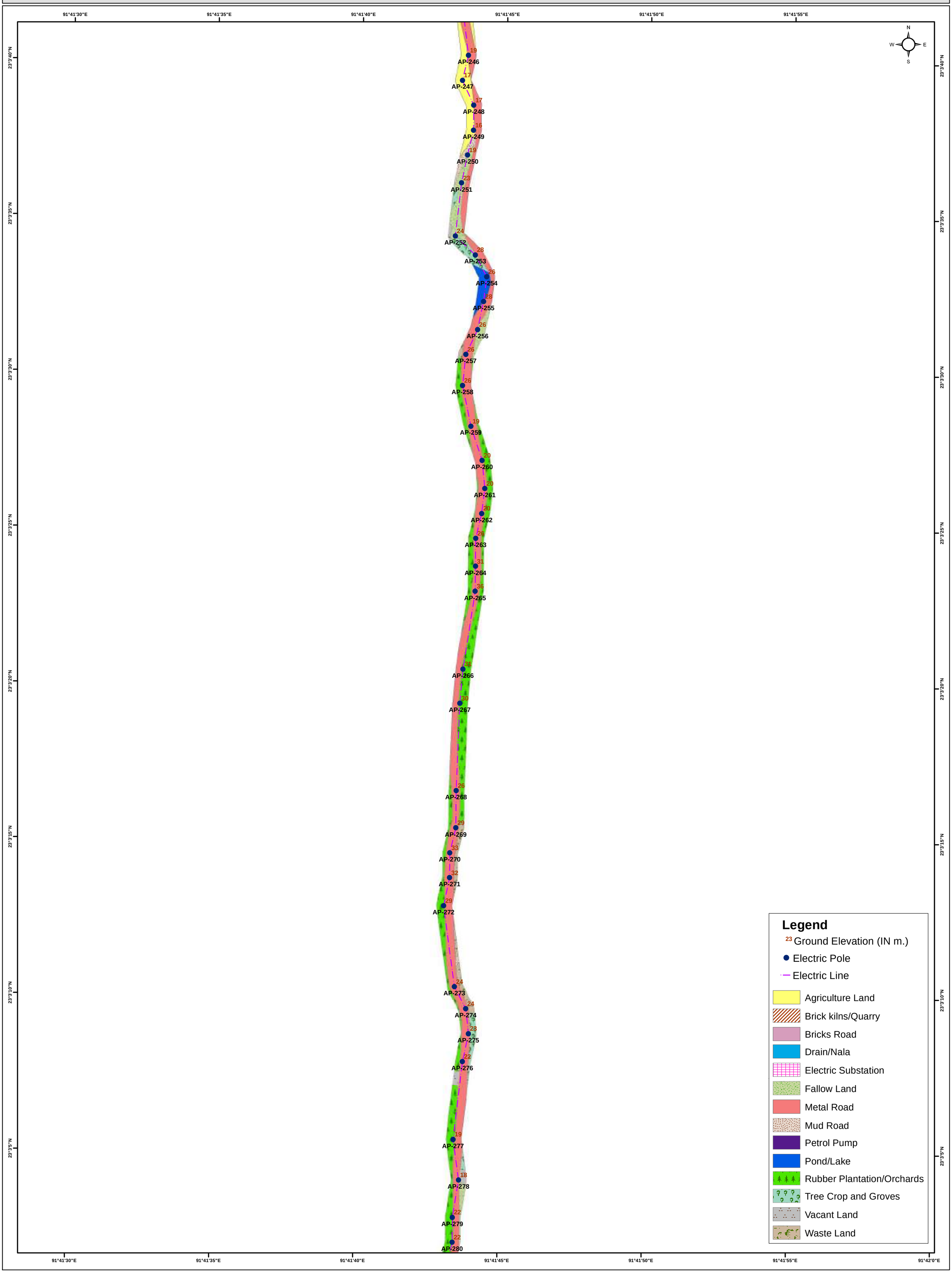

LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33/KV SABROOM S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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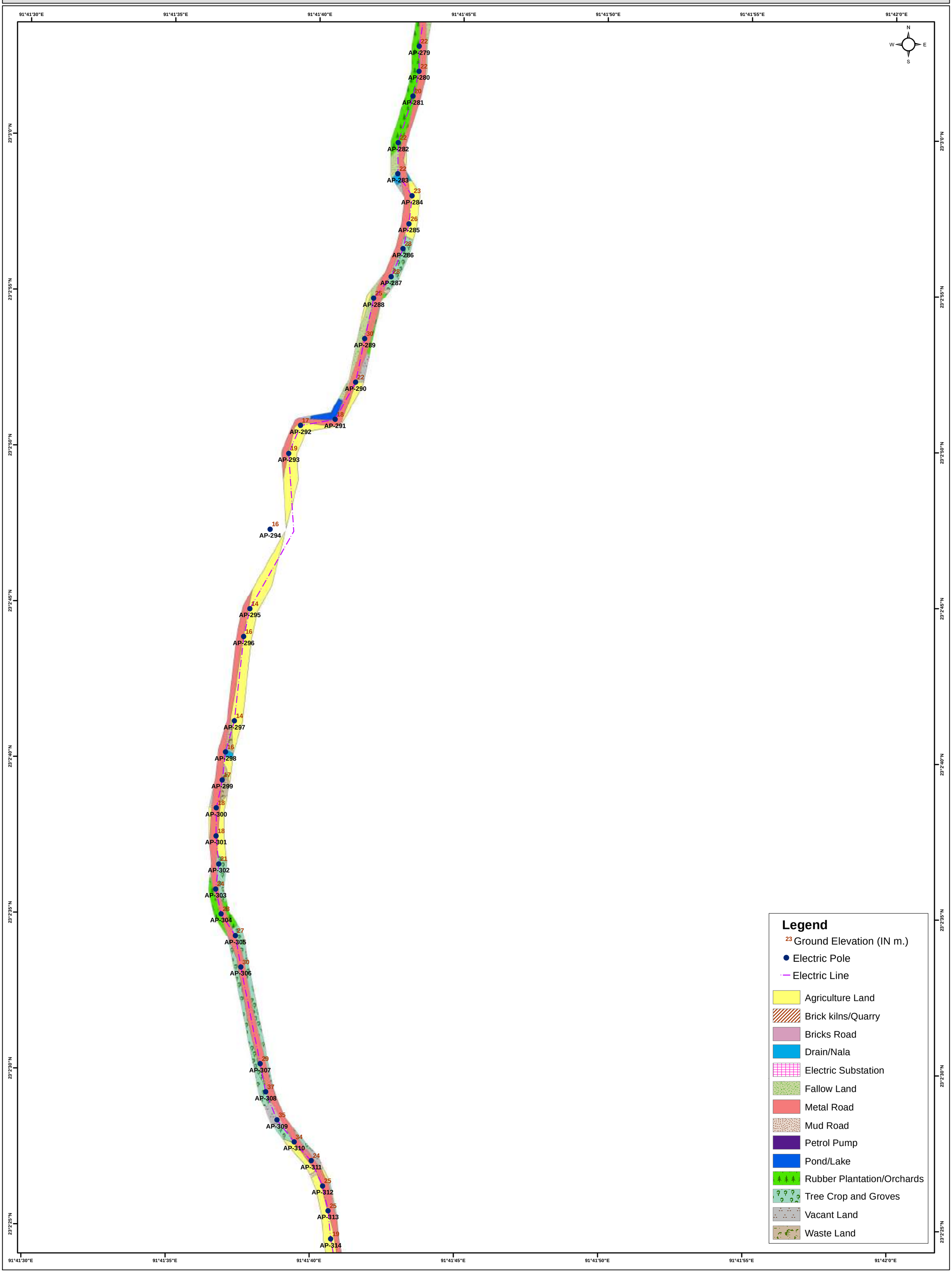

LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33/KV SABROOM S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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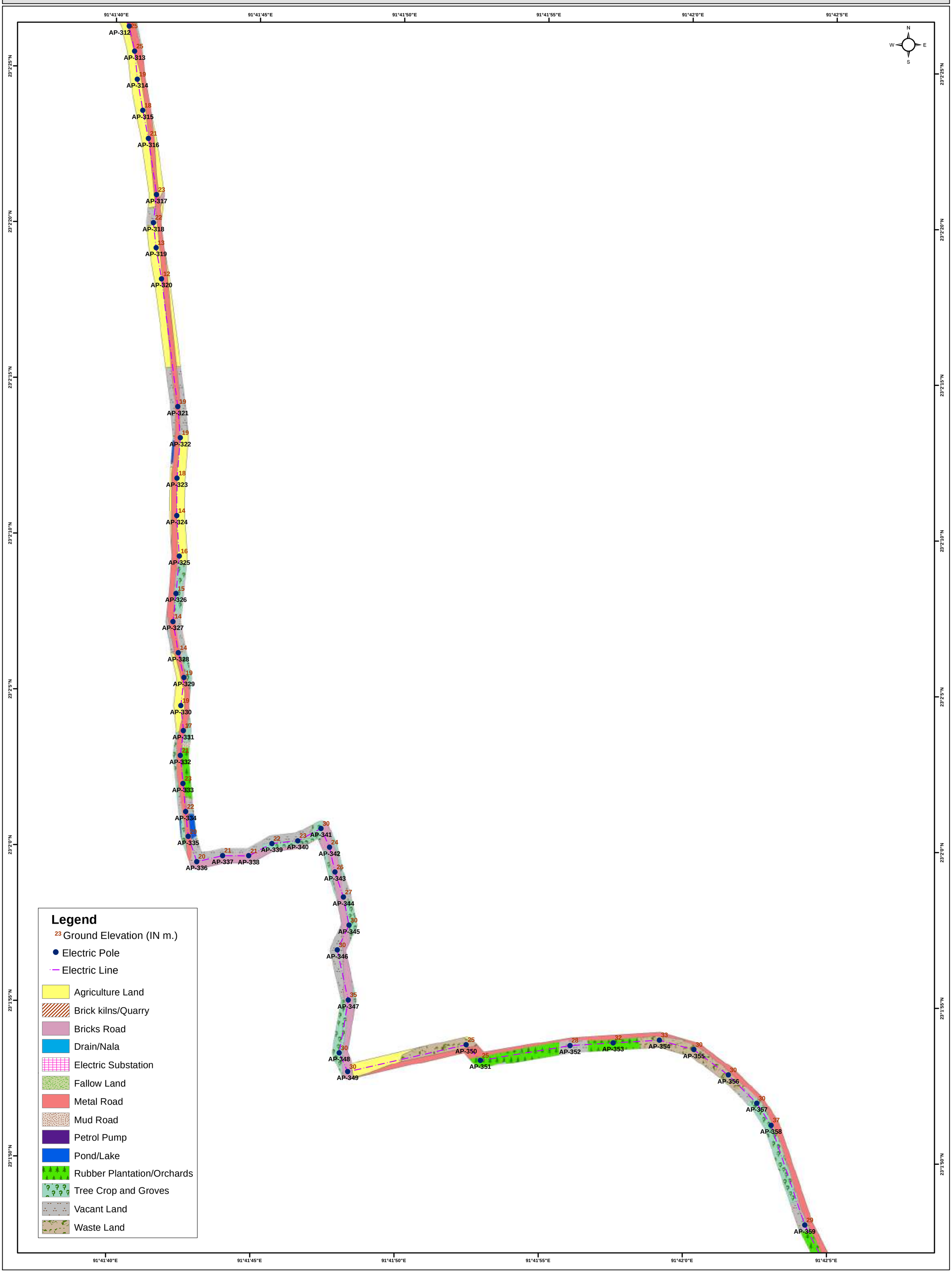
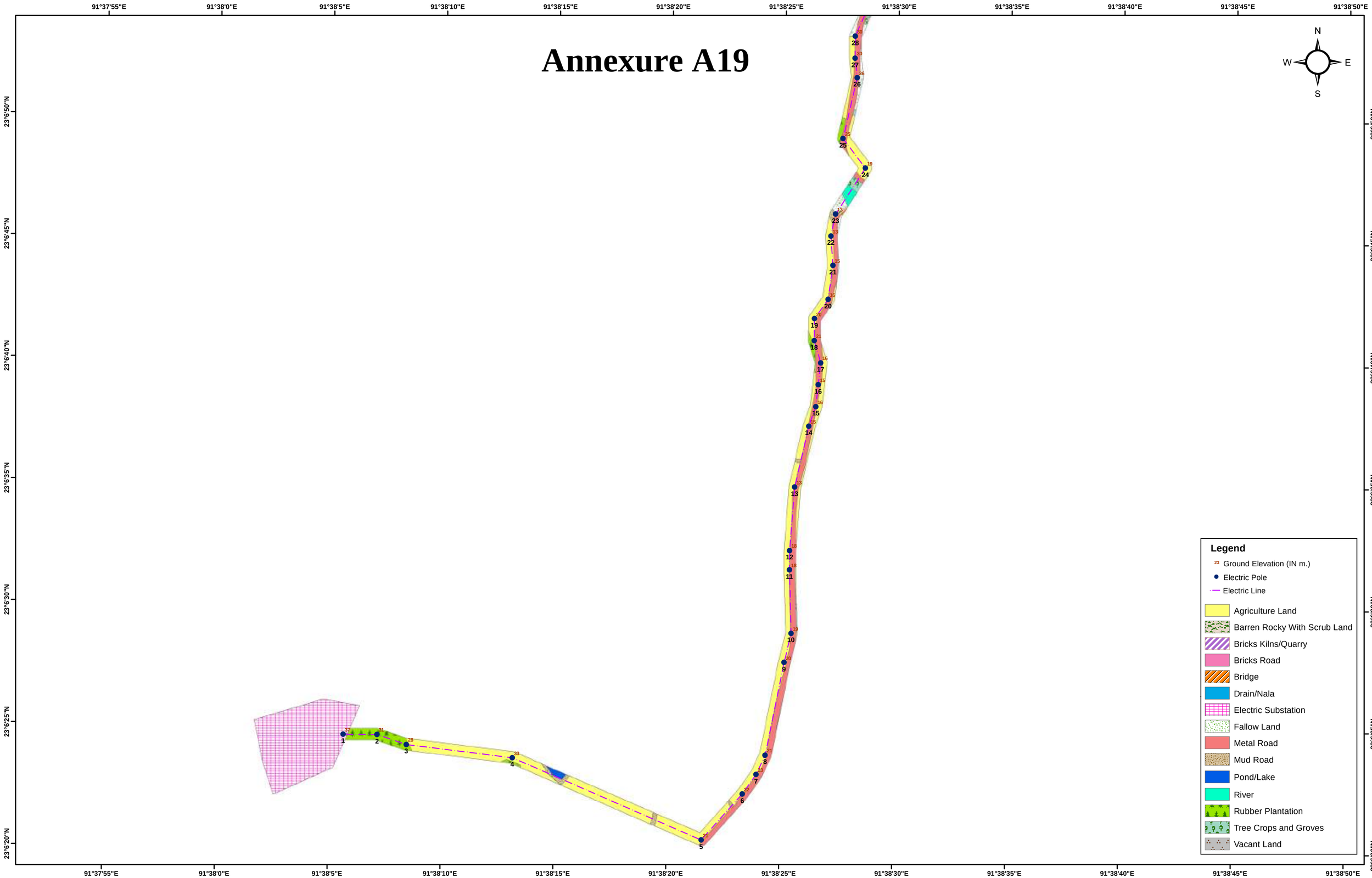
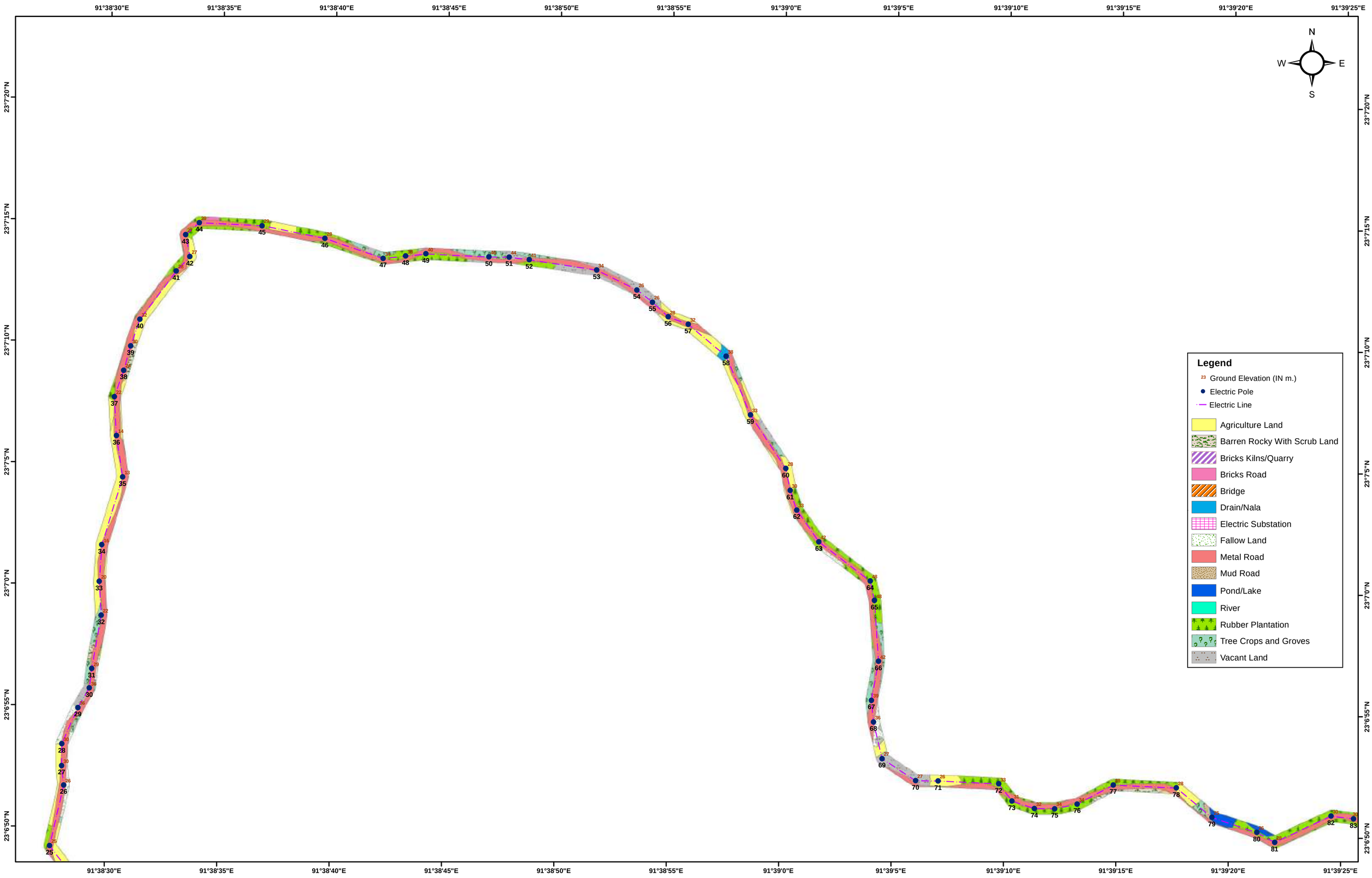


LAND USE/LAND COVER DETAILS OF PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33/KV SABROOM S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,

LAND USE/LAND COVER DETAILS OF PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV RUPAICHARI S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



LAND USE/LAND COVER DETAILS OF PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV RUPAICHARI S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



LAND USE/LAND COVER DETAILS OF PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV RUPAICHARI S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
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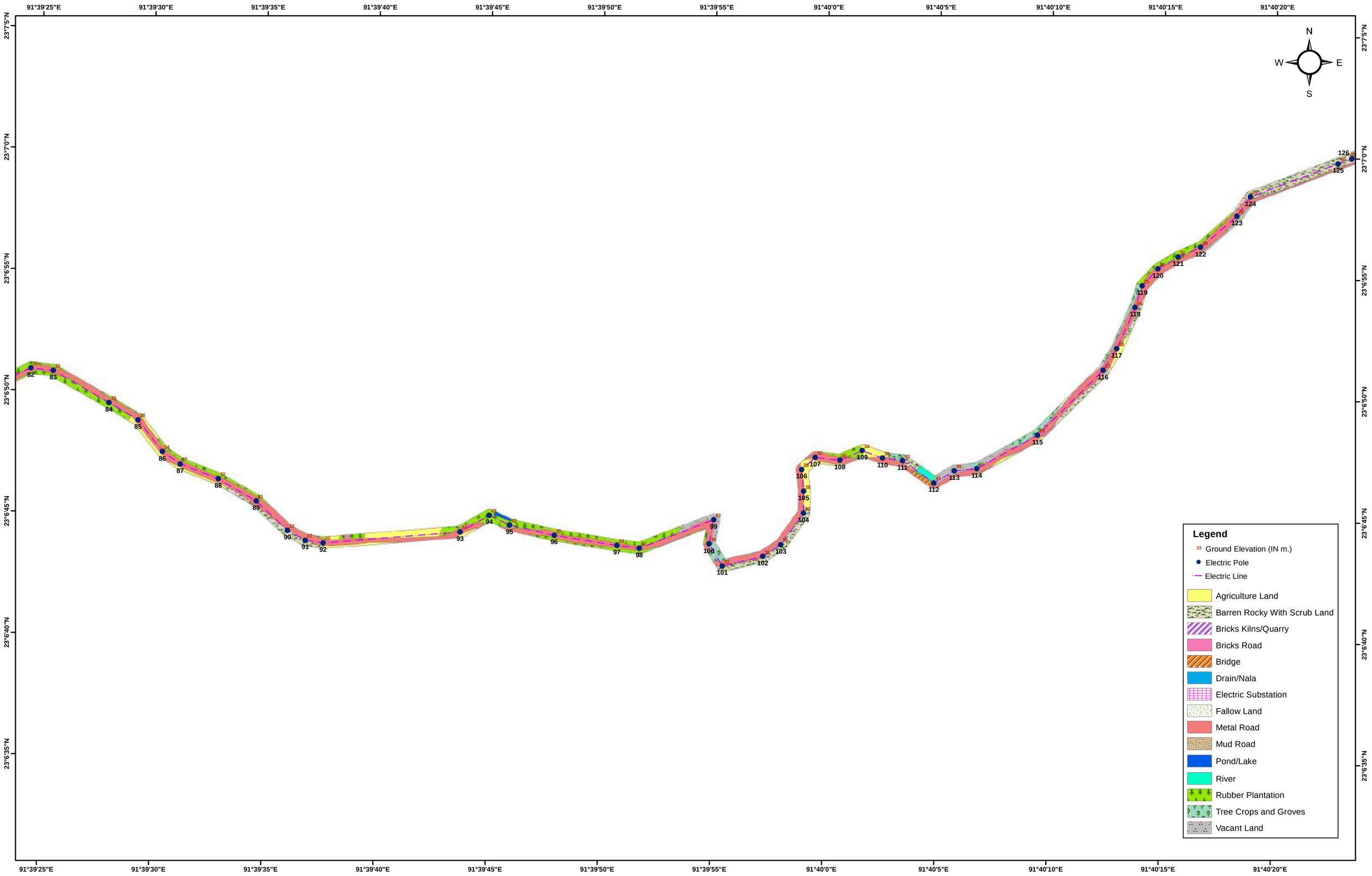
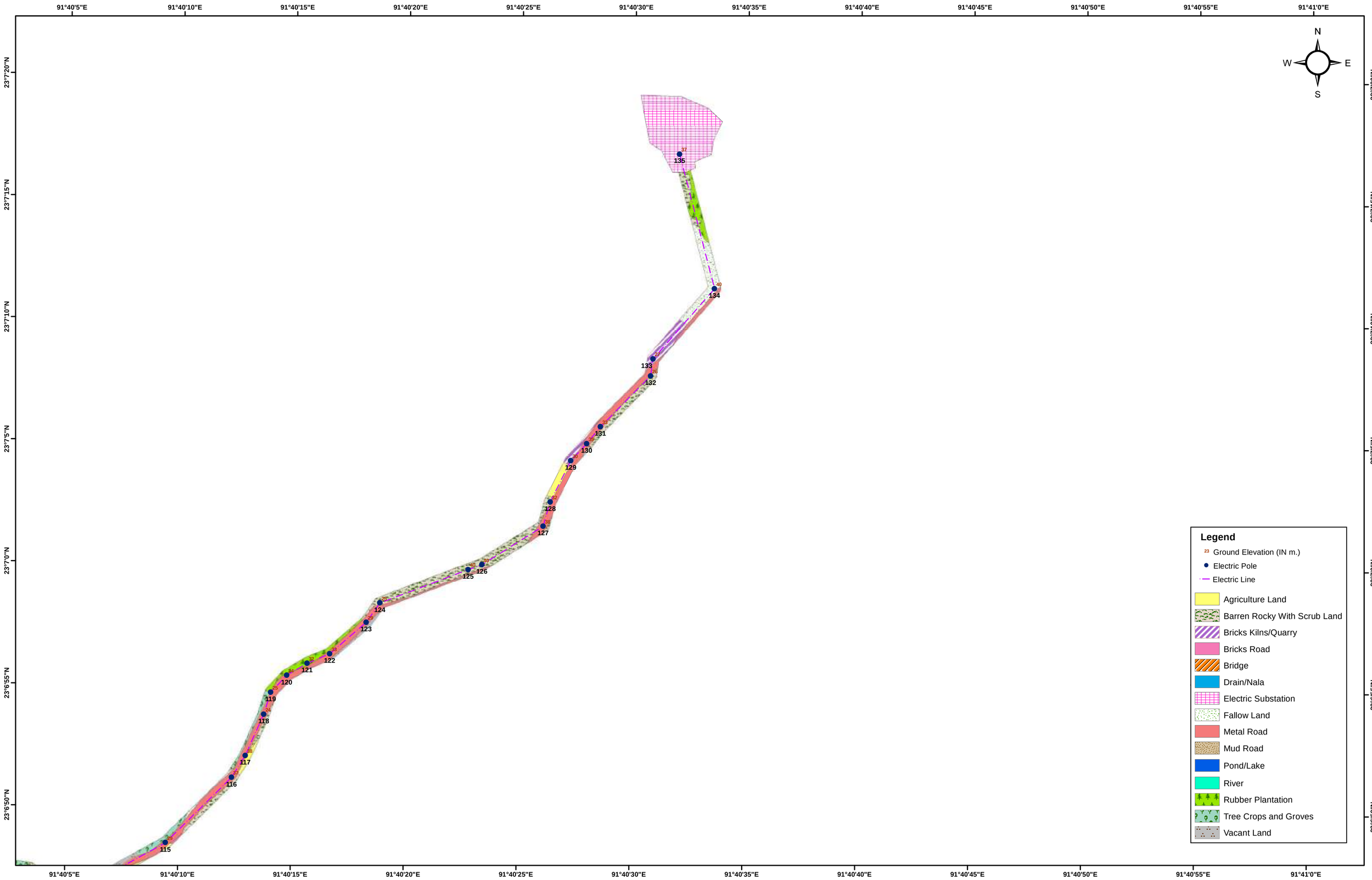


LAND USE/LAND COVER DETAILS OF PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV RUPAICHARI S/S
CLIENT :- POWER GRID CORPORATION OF INDIA LIMITED
PREPARED BY GREEN CIRCLE INC,



Annexure B1

AP_No	Ground Elevation Of EP	EP Fall in Feature	Rock_Type	Rock_Type2	Landslide Study	Flood Study	Hazard Type
1	46	Electric Substation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
2	43	Electric Substation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
3	51	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
4	52	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
5	48	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
6	46	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
7	43	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
8	44	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
9	46	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
10	47	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
11	45	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
12	40	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
13	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
14	49	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
15	46	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
16	41	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
17	44	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
18	46	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
19	56	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
20	57	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
21	47	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
22	49	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
23	48	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
24	52	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
25	49	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
26	59	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
27	57	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
28	58	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
29	56	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
30	53	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
31	41	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
32	49	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
33	54	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
34	48	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
35	48	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
36	51	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
37	58	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
38	61	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
39	60	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
40	61	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
41	59	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
42	58	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
43	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
44	64	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
45	59	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
46	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
47	71	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
48	70	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
49	66	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide

50	57	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
51	50	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
52	44	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
53	43	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
54	47	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
55	45	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
56	35	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
57	35	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
58	36	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
59	42	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
60	39	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
61	38	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
62	35	Waste Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
63	30	Waste Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
64	31	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
65	31	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
66	36	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
67	35	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
68	35	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
69	40	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
70	35	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
71	34	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
72	33	Tree Crops and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
73	30	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
74	34	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
75	36	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
76	35	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
77	35	Waste Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
78	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
79	39	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
80	42	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
81	42	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
82	45	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
83	40	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
84	33	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
85	30	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
86	36	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
87	24	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
88	33	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
89	28	Tree Crops and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
90	32	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
91	38	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
92	40	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
93	33	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
94	41	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
95	40	Drain/Nala	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
96	32	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
97	36	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
98	43	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
99	45	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide

100	43	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
101	44	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
102	52	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
103	51	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
104	46	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
105	46	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
106	45	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
107	45	Tree Crops and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill┼éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
108	47	Tree Crops and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill┼éΓÇôModerate	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
109	42	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
110	42	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
111	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
112	37	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
113	32	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
114	31	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
115	31	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
116	34	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
117	40	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
118	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
119	36	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
120	36	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
121	36	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
122	35	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
123	37	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
124	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
125	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
126	44	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
127	44	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
128	44	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
129	52	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
130	49	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
131	46	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
132	44	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
133	41	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
134	37	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
135	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
136	41	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake,Wind Storm and Low Flood
137	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake,Wind Storm and Low Flood
138	30	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill┼éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
139	33	Waste Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill┼éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
140	36	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill┼éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
141	35	Waste Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill┼éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
142	36	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill┼éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
143	29	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill┼éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
144	31	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill┼éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
145	27	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill┼éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
146	28	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill┼éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
147	31	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill┼éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
148	31	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill┼éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
149	32	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill┼éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood

150	31	Waste Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
151	32	Waste Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
152	36	Waste Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
153	36	Bridge	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
154	35	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake,Wind Storm and Low Flood
155	46	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake,Wind Storm and Low Flood
156	42	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
157	42	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
158	45	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
159	45	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
160	52	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
161	51	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
162	52	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
163	54	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
164	58	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
165	48	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
166	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
167	43	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
168	43	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
169	49	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
170	44	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
171	52	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
172	48	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
173	53	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
174	57	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
175	57	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
176	60	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
177	62	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
178	60	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
179	57	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
180	55	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
181	56	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
182	58	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
183	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
184	58	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
185	55	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
186	57	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
187	66	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
188	66	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
189	68	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
190	69	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
191	71	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
192	74	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
193	72	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
194	64	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
195	62	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
196	60	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
197	58	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
198	53	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
199	49	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide

200	48	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
201	50	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
202	55	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
203	60	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
204	63	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
205	64	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
206	65	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
207	55	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
208	52	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
209	54	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
210	52	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
211	56	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
212	60	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
213	63	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
214	63	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
215	64	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
216	65	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
217	59	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
218	60	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
219	63	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
220	64	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
221	65	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
222	60	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
223	59	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
224	58	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
225	60	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
226	60	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
227	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
228	60	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
229	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
230	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
231	64	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
232	66	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
233	68	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
234	70	Mud Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
235	65	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
236	64	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
237	78	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
238	79	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
239	74	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
240	68	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
241	70	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
242	71	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
243	71	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
244	72	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
245	75	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
246	77	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
247	73	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
248	71	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
249	69	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide

250	71	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
251	70	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
252	66	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
253	65	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
254	67	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
255	71	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
256	66	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
257	70	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
258	79	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
259	77	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
260	75	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
261	80	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
262	81	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
263	78	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
264	72	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
265	77	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
266	73	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
267	69	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
268	70	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
269	74	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
270	72	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
271	71	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
272	67	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
273	67	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
274	63	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
275	56	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
276	56	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
277	68	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
278	67	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
279	72	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
280	73	Mud Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
281	76	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
282	73	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
283	82	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
284	83	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
285	89	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
286	90	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
287	89	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
288	77	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
289	73	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
290	73	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
291	71	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
292	71	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
293	69	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
294	60	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
295	58	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
296	59	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
297	63	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
298	63	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
299	63	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide

300	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
301	68	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
302	82	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
303	85	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
304	85	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
305	88	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
306	83	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
307	77	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
308	77	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
309	74	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
310	77	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
311	76	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
312	79	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
313	77	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
314	76	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
315	80	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
316	84	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
317	86	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide
318	91	Electric Substation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Eartquake, Wind Storm and Landslide

Annexure B2

AP_No	Ground Elevation Of EP	EP Fall in Feature	Rock_Type	Rock_Type2	Landslide Study	Flood Study	Hazard Type
1	62	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
2	59	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
3	66	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
4	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
5	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
6	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
7	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
8	68	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
9	78	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
10	74	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
11	81	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
12	78	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
13	77	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
14	74	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
15	76	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
16	77	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
17	79	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
18	79	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
19	83	Tree Crops and Groves	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
20	83	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
21	81	Tree Crops and Groves	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
22	82	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
23	86	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
24	84	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
25	80	Waste Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
26	0				None		Earthquake, Wind Storm and Landslide
27	79	Waste Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
28	0				None		Earthquake, Wind Storm and Landslide
29	85	Tree Crops and Groves	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
30	76	Waste Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
31	70	Waste Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
32	72	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
33	71	Rubber Plantation/Orchards	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
34	81	Rubber Plantation/Orchards	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
35	80	Rubber Plantation/Orchards	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
36	0				None		Earthquake, Wind Storm and Landslide
37	73	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
38	73	Rubber Plantation/Orchards	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
39	78	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
40	77	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
41	70	Mud Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
42	75	Barren/Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
43	72	Tree Crops and Groves	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
44	68	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
45	65	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
46	61	Waste Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
47	56	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
48	53	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
49	52	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
50	48	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
51	47	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
52	45	Tree Crops and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
53	45	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None		Earthquake, Wind Storm and Landslide

54	52	Tree Crops and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
55	52	Waste Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
56	53	Tree Crops and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
57	52	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
58	50	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
59	51	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
60	52	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
61	47	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
62	47	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
63	48	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
64	45	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
65	48	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
66	50	Tree Crops and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
67	49	Tree Crops and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
68	43	Tree Crops and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
69	42	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
70	42	Waste Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
71	42	Waste Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
72	47	Bricks Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
73	49	Waste Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
74	47	Waste Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
75	42	Waste Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
76	39	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
77	41	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
78	39	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
79	38	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
80	38	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
81	39	Tree Crops and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
82	41	Mud Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
83	45	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
84	45	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
85	42	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
86	40	Brick kilns/Quarry	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
87	37	Brick kilns/Quarry	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
88	35	Brick kilns/Quarry	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
89	40	Brick kilns/Quarry	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
90	41	Brick kilns/Quarry	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
91	35	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
92	33	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
93	32	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
94	31	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
95	32	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
96	32	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
97	34	Mud Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
98	36	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
99	37	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
100	37	Tree Crops and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
101	38	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
102	40	Waste Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
103	42	Waste Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
104	0					None		Earthquake, Wind Storm and Landslide
105	50	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
106	46	Waste Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
107	47	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None		Earthquake, Wind Storm and Landslide

108	46	Waste Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
109	47	Waste Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
110	44	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
111	46	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
112	48	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
113	44	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
114	39	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
115	41	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
116	43	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
117	47	Waste Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
118	59	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None		Earthquake, Wind Storm and Landslide
119	57	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide		Earthquake, Wind Storm and Landslide
120	53	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide		Earthquake, Wind Storm and Landslide
121	56	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
122	58	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
123	58	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
124	56	Barren/Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None		Earthquake, Wind Storm and Landslide
125	44	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
126	45	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
127	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
128	0				None		Earthquake, Wind Storm and Landslide
129	39	Vacant Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
130	49	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
131	48	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
132	49	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
133	58	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
134	54	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None		Earthquake, Wind Storm and Landslide
135	48	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None		Earthquake, Wind Storm and Landslide
136	48	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None		Earthquake, Wind Storm and Landslide
137	54	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
138	55	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
139	54	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
140	49	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
141	46	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Moderate Landslide		Earthquake, Wind Storm and Landslide
142	52	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
143	50	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
144	45	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Moderate Landslide		Earthquake, Wind Storm and Landslide
145	0				None		Earthquake, Wind Storm and Landslide
146	50	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
147	56	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
148	57	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
149	69	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
150	71	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
151	68	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
152	68	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
153	76	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
154	72	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
155	70	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
156	73	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
157	75	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
158	77	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
159	73	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
160	72	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
161	72	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide

162	0				None		Earthquake, Wind Storm and Landslide
163	72	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
164	73	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
165	78	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
166	85	Mud Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
167	82	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
168	82	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
169	83	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
170	86	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide		Earthquake, Wind Storm and Landslide
171	85	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
172	84	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
173	86	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
174	91	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None		Earthquake, Wind Storm and Landslide
175	0				None		Earthquake, Wind Storm and Landslide

Annexure B3

AP_No	Ground Elevation Of EP	EP Fall in Feature	Rock_Type	Rock_Type2	Landslide Study	Flood Study	Hazard Type
1	50	Electric Substation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
2	62	Electric Substation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
3	65	Electric Substation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
4	59	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
5	50	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
6	55	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
7	55	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
8	55	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
9	53	Brick Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
10	57	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
11	67	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
12	75	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
13	63	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
14	61	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
15	57	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
16	52	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
17	51	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
18	50	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
19	47	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
20	55	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
21	45	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
22	58	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
23	62	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
24	45	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
25	41	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
26	50	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
27	50	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
28	55	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
29	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
30	59	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
31	60	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
32	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
33	54	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
34	56	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
35	55	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
36	56	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
37	57	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
38	53	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
39	52	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
40	47	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
41	51	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
42	55	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
43	62	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
44	59	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
45	64	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
46	69	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
47	76	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
48	65	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
49	66	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
50	64	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
51	69	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
52	69	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
53	79	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide

54	72	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
55	58	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
56	54	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
57	58	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
58	68	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
59	70	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
60	67	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
61	71	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
62	0				Low Landslide	None	Earthquake , Wind Storm and Low Landslide
63	58	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
64	56	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
65	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
66	68	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
67	71	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
68	63	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
69	56	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
70	55	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
71	67	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
72	67	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
73	67	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
74	70	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
75	67	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
76	73	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
77	74	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
78	70	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
79	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
80	54	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
81	53	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
82	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
83	0				Low Landslide	None	Earthquake , Wind Storm and Low Landslide
84	65	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
85	65	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
86	66	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
87	66	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
88	64	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
89	62	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
90	63	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
91	59	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
92	48	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
93	50	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
94	47	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
95	50	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
96	45	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
97	46	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
98	51	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
99	51	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
100	47	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
101	47	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
102	42	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
103	46	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
104	54	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
105	57	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
106	65	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
107	66	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide

108	67	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
109	69	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
110	70	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
111	66	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
112	61	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
113	0				Low Landslide	None	Earthquake , Wind Storm and Low Landslide
114	58	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
115	54	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
116	57	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
117	57	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
118	62	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
119	66	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
120	74	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
121	67	Brick Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
122	59	Brick Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
123	56	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
124	55	Brick Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
125	55	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
126	57	Brick Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
127	54	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
128	54	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
129	60	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
130	52	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
131	35	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
132	24	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
133	26	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
134	24	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Point Bar	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
135	0				Low Landslide	None	Earthquake , Wind Storm and Low Landslide
136	23	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
137	31	Brick Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
138	36	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
139	35	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
140	36	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
141	37	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
142	41	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
143	40	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
144	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
145	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
146	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
147	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
148	33	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
149	37	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
150	42	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
151	46	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
152	50	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
153	39	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
154	46	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
155	47	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
156	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
157	29	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
158	0				Low Landslide	None	Earthquake , Wind Storm and Low Landslide
159	32	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
160	39	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
161	41	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide

162	36	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
163	30	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
164	32	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
165	32	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
166	37	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
167	0				Low Landslide	None	Earthquake , Wind Storm and Low Landslide
168	24	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
169	22	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
170	33	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
171	29	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
172	28	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
173	26	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
174	30	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
175	29	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
176	31	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
177	0				Low Landslide	None	Earthquake , Wind Storm and Low Landslide
178	33	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
179	30	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
180	32	Bricks Kilns/Quarry	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
181	26	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
182	27	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
183	27	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
184	27	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
185	30	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
186	28	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
187	28	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
188	29	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
189	28	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
190	32	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
191	37	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
192	40	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
193	31	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
194	27	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
195	26	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
196	34	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
197	35	Bricks Kilns/Quarry	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
198	29	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
199	28	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
200	28	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
201	0				Low Landslide	None	Earthquake , Wind Storm and Low Landslide
202	25	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
203	28	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
204	32	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
205	31	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
206	28	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
207	28	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
208	27	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
209	31	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
210	29	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
211	33	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
212	27	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
213	25	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
214	28	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
215	31	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill ├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood

216	37	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
217	42	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
218	36	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
219	40	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
220	43	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
221	48	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
222	47	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Low Landslide	None	Earthquake , Wind Storm and Low Landslide
223	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Low Landslide	None	Earthquake , Wind Storm and Low Landslide
224	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Low Landslide	None	Earthquake , Wind Storm and Low Landslide
225	33	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Low Landslide	None	Earthquake , Wind Storm and Low Landslide
226	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Low Landslide	None	Earthquake , Wind Storm and Low Landslide
227	31	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Low Landslide	None	Earthquake , Wind Storm and Low Landslide
228	29	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Low Landslide	None	Earthquake , Wind Storm and Low Landslide
229	29	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Low Landslide	None	Earthquake , Wind Storm and Low Landslide
230	27	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
231	34	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
232	33	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
233	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
234	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
235	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
236	38	Vacant Land	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
237	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
238	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
239	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
240	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
241	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
242	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
243	39	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
244	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
245	45	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
246	45	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
247	36	Mud Road	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
248	36	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
249	42	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
250	42	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
251	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
252	0					Low Landslide	None	Earthquake , Wind Storm and Low Landslide
253	42	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
254	45	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill	├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
255	44	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Low Landslide	None	Earthquake , Wind Storm and Low Landslide
256	42	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Low Landslide	None	Earthquake , Wind Storm and Low Landslide
257	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Low Landslide	None	Earthquake , Wind Storm and Low Landslide
258	44	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Low Landslide	None	Earthquake , Wind Storm and Low Landslide
259	48	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Low Landslide	None	Earthquake , Wind Storm and Low Landslide
260	49	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Low Landslide	None	Earthquake , Wind Storm and Low Landslide
261	59	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Low Landslide	None	Earthquake , Wind Storm and Low Landslide
262	57	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Low Landslide	None	Earthquake , Wind Storm and Low Landslide
263	59	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Low Landslide	None	Earthquake , Wind Storm and Low Landslide
264	60	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Low Landslide	None	Earthquake , Wind Storm and Low Landslide
265	66	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Low Landslide	None	Earthquake , Wind Storm and Low Landslide
266	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Low Landslide	None	Earthquake , Wind Storm and Low Landslide
267	62	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Low Landslide	None	Earthquake , Wind Storm and Low Landslide
268	60	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Low Landslide	None	Earthquake , Wind Storm and Low Landslide
269	58	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Low Landslide	None	Earthquake , Wind Storm and Low Landslide

270	54	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
271	48	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
272	47	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
273	41	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
274	44	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
275	43	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
276	47	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
277	45	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
278	44	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
279	43	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
280	41	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
281	0				Low Landslide	None	Earthquake , Wind Storm and Low Landslide
282	38	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
283	39	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
284	34	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
285	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
286	40	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
287	45	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
288	48	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
289	48	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
290	46	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
291	41	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
292	32	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
293	36	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
294	0				Low Landslide	None	Earthquake , Wind Storm and Low Landslide
295	48	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
296	46	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
297	49	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
298	50	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
299	57	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
300	61	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
301	56	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
302	51	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
303	47	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
304	46	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
305	50	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
306	55	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
307	57	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
308	53	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
309	57	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
310	55	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
311	54	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
312	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
313	57	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
314	55	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
315	55	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
316	0				Low Landslide	None	Earthquake , Wind Storm and Low Landslide
317	56	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
318	59	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
319	56	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
320	66	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
321	63	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
322	65	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
323	69	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide

324	64	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
325	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
326	62	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
327	72	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
328	72	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
329	77	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
330	77	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
331	70	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
332	74	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
333	68	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
334	65	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
335	64	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
336	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
337	51	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
338	0				Low Landslide	None	Earthquake , Wind Storm and Low Landslide
339	55	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
340	60	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
341	56	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
342	60	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
343	57	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
344	66	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
345	67	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
346	64	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
347	70	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
348	64	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
349	0				Low Landslide	None	Earthquake , Wind Storm and Low Landslide
350	50	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
351	49	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
352	54	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
353	62	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
354	67	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
355	57	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
356	64	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
357	62	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
358	59	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
359	76	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
360	83	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
361	87	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
362	89	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
363	88	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
364	84	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
365	83	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
366	89	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
367	89	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
368	85	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
369	81	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
370	90	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
371	86	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
372	77	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
373	91	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
374	94	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
375	96	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
376	80	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
377	76	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide

378	63	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
379	70	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
380	60	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
381	62	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
382	60	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
383	65	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
384	71	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
385	69	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
386	64	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
387	73	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
388	71	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
389	76	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
390	73	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
391	66	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
392	63	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
393	65	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
394	55	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
395	51	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
396	58	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
397	49	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
398	58	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
399	58	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
400	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
401	66	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
402	57	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
403	51	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
404	44	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
405	55	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
406	53	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
407	49	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
408	47	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
409	48	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
410	48	Mud Road	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
411	52	Vacant Land	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
412	44	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
413	44	Waste Land	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
414	43	Waste Land	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
415	41	Vacant Land	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
416	46	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
417	46	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	None	Moderate Flood Prone Area	Earthquake, Wind Storm and Flood
418	53	Waste Land	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
419	57	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
420	50	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
421	41	Vacant Land	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
422	43	Vacant Land	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
423	44	Vacant Land	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
424	40	Vacant Land	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
425	41	Vacant Land	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	Low Landslide	None	Earthquake , Wind Storm and Low Landslide
426	49	Electric Substation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake , Wind Storm and Low Landslide

Annexure B4

AP_No	Ground Elevation Of EP	EP Fall in Feature	Rock_Type	Rock_Type2	Landslide Study	Flood Study	Hazard Type
BAY	53	Electric Substation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Landslide
AP-1	41	Vacant Land	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-2	44	Vacant Land	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-3	47	Vacant Land	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-4	43	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-5	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-6	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-7	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-8	36	Vacant Land	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-9	39	Waste Land	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-10	46	Waste Land	Sandstone/ pebble bed/ conglomerate	Valley Fill├éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-11	45	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Landslide
AP-12	50	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Landslide
AP-13	50	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Landslide
AP-14	48	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Landslide
AP-15	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Landslide
AP-16	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Landslide
AP-17	26	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake, Wind Storm and Flood
AP-18	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake, Wind Storm and Flood
AP-19	25	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-20	26	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-21	41	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-22	39	Waste Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-23	42	Waste Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-24	43	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-25	39	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-26	34	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-27	31	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-28	28	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-29	34	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-30	39	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-31	33	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-32	31	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-33	36	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-34	35	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-35	39	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-36	40	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-37	41	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-38	41	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-39	50	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-40	59	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-41	59	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-42	59	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-43	56	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-44	56	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-45	56	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-46	58	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-47	61	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-48	63	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide

AP-49	63	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-50	68	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-51	74	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-52	66	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-53	66	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-54	70	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-55	68	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-56	69	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-57	68	Brick Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-58	69	Brick Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-59	70	Brick Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-60	68	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-61	68	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-62	68	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-63	70	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-64	70	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-65	68	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-66	66	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-67	52	Mud Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-68	55	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-69	57	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-70	54	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-71	57	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-72	57	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-73	61	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-74	62	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-75	61	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-76	61	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-77	64	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-78	61	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-79	54	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-80	51	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-81	52	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-82	47	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-83	43	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-84	50	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-85	61	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-86	68	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-87	59	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-88	51	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-89	52	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-90	52	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-91	49	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-92	49	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-93	49	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-94	49	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-95	43	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-96	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-97	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-98	38	Waste Land	Sandstone/ pebble bed/ conglomerate	Valley Fill éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood

AP-99	46	Waste Land	Sandstone/ pebble bed/ conglomerate	Valley Fill┼éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-100	45	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill┼éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-101	47	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-102	43	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-103	47	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-104	61	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-105	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-106	64	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-107	63	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-108	59	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-109	63	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-110	66	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-111	63	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-112	67	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-113	69	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-114	66	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-115	71	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-116	71	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-117	71	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-118	71	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-119	74	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-120	75	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-121	67	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-122	68	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-123	70	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-124	80	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-125	88	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-126	91	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-127	79	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-128	73	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-129	70	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-130	76	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-131	78	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-132	76	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-133	84	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-134	91	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-135	97	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-136	97	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-137	90	Mud Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-138	76	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-139	68	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-140	71	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-141	62	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-142	62	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-143	66	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-144	59	Mud Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-145	65	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-146	66	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-147	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-148	66	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide

AP-149	67	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-150	74	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-151	74	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-152	73	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-153	81	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-154	78	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-155	65	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-156	65	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-157	68	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-158	66	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-159	62	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-160	54	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-161	54	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-162	60	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-163	57	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-164	56	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-165	56	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-166	63	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-167	63	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-168	59	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-169	58	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-170	61	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-171	61	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-172	57	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-173	57	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-174	60	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-175	53	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-176	57	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-177	45	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-178	45	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-179	45	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-180	42	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-181	41	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-182	39	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-183	47	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-184	49	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-185	48	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-186	48	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-187	45	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-188	50	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-189	51	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-190	49	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-191	49	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-192	47	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-193	47	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-194	46	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-195	48	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-196	41	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-197	40	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-198	37	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide

AP-199	40	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-200	37	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-201	50	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-202	45	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-203	54	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-204	49	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-205	47	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-206	51	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-207	51	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-208	60	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-209	58	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-210	53	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-211	48	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-212	50	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-213	50	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-214	50	Brick Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-215	43	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-216	45	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-217	38	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-218	47	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-219	48	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-220	40	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-221	46	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-222	44	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-223	43	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-224	34	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-225	33	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-226	44	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-227	56	Rubber Plantation	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-228	64	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills	-Moderately dissected	None	None	Earthquake, Wind Storm and Landslide
AP-229	71	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills	-Moderately dissected	None	None	Earthquake, Wind Storm and Landslide
AP-230	72	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills	-Moderately dissected	None	None	Earthquake, Wind Storm and Landslide
AP-231	72	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills	-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-232	70	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills	-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-233	73	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills	-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-234	71	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills	-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-235	73	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills	-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-236	75	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills	-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-237	71	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills	-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-238	71	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills	-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-239	70	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills	-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-240	70	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills	-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-241	64	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills	-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-242	64	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills	-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-243	68	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills	-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-244	67	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills	-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-245	71	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills	-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-246	73	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills	-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-247	73	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills	-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-248	77	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills	-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide

AP-249	71	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-250	71	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-251	67	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-252	66	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-253	66	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-254	78	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-255	77	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-256	75	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-257	68	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-258	66	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-259	66	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-260	71	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-261	79	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-262	79	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-263	85	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-264	77	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-265	77	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-266	76	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-267	75	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-268	75	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-269	69	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-270	72	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-271	88	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-272	93	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-273	84	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-274	83	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-275	83	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-276	80	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-277	78	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-278	79	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-279	79	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-280	77	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-281	75	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-282	83	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-283	83	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-284	83	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-285	81	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-286	81	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-287	71	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-288	70	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-289	70	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-290	71	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-291	69	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-292	71	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-293	64	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-294	64	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-295	64	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-296	78	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-297	78	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-298	74	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide

AP-299	76	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-300	88	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-301	94	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-302	91	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-303	89	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-304	83	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-305	80	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-306	82	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-307	74	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-308	74	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-309	85	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-310	84	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-311	86	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-312	86	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-313	82	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-314	80	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-315	75	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-316	75	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-317	63	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-318	55	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-319	58	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-320	62	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-321	61	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-322	60	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-323	64	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-324	58	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Landslide
AP-325	62	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Landslide
AP-326	62	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Landslide
AP-327	54	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	None	Earthquake, Wind Storm and Landslide
AP-328	55	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Low Flood	Earthquake, Wind Storm and Flood
AP-329	58	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Low Flood	Earthquake, Wind Storm and Flood
AP-330	70	Waste Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Low Flood	Earthquake, Wind Storm and Flood
AP-331	76	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Landslide
AP-332	79	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Landslide
AP-333	79	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Landslide
AP-334	86	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Landslide
AP-335	84	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Landslide
AP-336	89	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-337	90	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-338	81	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-339	86	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-340	79	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-341	82	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-342	81	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-343	77	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-344	78	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-345	80	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-346	77	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-347	82	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-348	76	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide

AP-349	79	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-350	79	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-351	79	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-352	79	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-353	78	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-354	77	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-355	78	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-356	82	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-357	84	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-358	84	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-359	83	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-360	81	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-361	81	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-362	71	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-363	74	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-364	80	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-365	80	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-366	89	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-367	88	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-368	90	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-369	90	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-370	92	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-371	94	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-372	92	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-373	93	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-374	93	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-375	87	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-376	82	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-377	84	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-378	86	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-379	87	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-380	84	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-381	81	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-382	78	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-383	80	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-384	75	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-385	74	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-386	75	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-387	75	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-388	76	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-389	74	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-390	73	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-391	74	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-392	77	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-393	77	Brick Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-394	74	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-395	68	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Landslide
AP-396	73	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-397	77	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-398	77	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide

AP-399	75	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-400	74	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-401	67	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-402	58	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-403	55	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-404	54	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-405	50	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-406	50	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-407	49	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-408	50	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-409	48	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-410	44	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-411	48	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-412	48	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-413	51	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-414	53	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-415	49	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-416	54	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-417	61	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-418	62	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-419	62	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-420	62	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-421	55	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-422	56	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-423	57	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-424	60	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-425	58	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-426	62	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-427	67	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-428	63	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	Low Flood	Earthquake, Wind Storm and Flood
AP-429	61	Tree Crop and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-430	61	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-431	61	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-432	65	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills	Moderately dissected	None	None	Earthquake, Wind Storm and Landslide
AP-433	65	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills	Moderately dissected	None	None	Earthquake, Wind Storm and Landslide
AP-434	69	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills	Moderately dissected	None	None	Earthquake, Wind Storm and Landslide
AP-435	59	Open Forest	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-436	61	Electric Substation	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide
AP-437	67	Electric Substation	Alluvium-sand/ silt & clay alternating beds	Valley Fill	éΓÇôModerate	None	None	Earthquake, Wind Storm and Landslide

Annexure B5

AP_NO	Ground Elevation Of EP	EP fall In Feature	Rock_Type	Rock_Type2	Landslide Study	Flood Study	Hazard Type
AP-1	49	Electric Substation	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-2	48	Electric Substation	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-3	48	Electric Substation	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-4	53	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-5	56	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-6	56	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-7	55	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-8	55	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-9	59	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-10	67	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-11	71	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-12	72	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-13	71	Tree Crops and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-14	73	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-15	66	Bricks Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-16	65	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-17	65	Fallow Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-18	65	Tree Crops and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-19	61	Tree Crops and Groves	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-20	58	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-21	59	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-22	63	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-23	65	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-24	65	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-25	71	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-26	65	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-27	68	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-28	67	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-29	67	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-30	70	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-31	71	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-32	71	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-33	77	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-34	74	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-35	72	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
35/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-36	71	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-37	71	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-38	70	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-39	69	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-40	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
40/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-41	62	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-42	62	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-43	62	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-44	67	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-45	66	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-46	67	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-47	67	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-48	67	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-49	66	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide

AP-50	66	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
50/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-51	73	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-52	75	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-53	76	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-54	76	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-55	79	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-56	75	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-57	70	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-58	72	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
58/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-59	82	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-60	82	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-61	77	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-62	77	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-63	76	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-64	74	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-65	72	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-66	78	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-67	73	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
67/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-68	82	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-69	83	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-70	83	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-71	89	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-72	86	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-73	86	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-74	83	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-75	78	Mud Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-76	78	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-77	76	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-78	79	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-79	79	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-80	83	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-81	83	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-82	80	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-83	78	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-84	81	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-85	79	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-86	81	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-87	84	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
87/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-88	80	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-89	83	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-90	83	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
90/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-91	84	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-92	90	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-93	90	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-94	92	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-95	88	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
95/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide

AP-96	90	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
96/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
96/2	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-97	84	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-98	82	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-99	76	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-100	76	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-101	84	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-102	92	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-103	92	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-104	97	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-105	96	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-106	90	Tree Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-107	90	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-108	91	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
108/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-109	99	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-110	97	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-111	82	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
111/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
111/2	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-112	88	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
112/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-113	101	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-114	101	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
114/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-115	102	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-116	96	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-117	97	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-118	96	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-119	95	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
119/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-120	87	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
120/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-121	79	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-122	79	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-123	87	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-124	84	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-125	90	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-126	89	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-127	91	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-128	91	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-129	93	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-130	93	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-131	94	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-132	100	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
132/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-133	105	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-134	104	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-135	99	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-136	96	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
136/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide

AP-137	99	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-138	96	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-139	97	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-140	97	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-141	101	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-142	102	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-143	102	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-144	102	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
144/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-145	101	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-146	97	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
146/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-147	86	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-148	86	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-149	73	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-150	73	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-151	83	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
151/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-152	84	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-153	79	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-154	80	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-155	89	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-156	89	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-157	100	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-158	98	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-159	105	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
159/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-160	106	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-161	105	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-162	107	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-163	107	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-164	106	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-165	104	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-166	107	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-167	110	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-168	115	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-169	115	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-170	118	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-171	121	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-172	122	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
172/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-173	114	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-174	114	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
174/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-175	106	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-176	107	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-177	107	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
177/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
177/2	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-178	116	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-179	123	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-180	122	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide

AP-181	121	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-182	122	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
182/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-183	112	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
183/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-184	106	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-185	96	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-186	96	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-187	96	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-188	98	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-189	100	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-190	100	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-191	94	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-192	92	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-193	93	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-194	101	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-195	101	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-196	109	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-197	100	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-198	96	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-199	98	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-200	93	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-201	81	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-202	83	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-203	87	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-204	103	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-205	92	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-206	80	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-207	79	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-208	80	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-209	79	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-210	79	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-211	84	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-212	90	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-213	93	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-214	102	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-215	102	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-216	102	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-217	102	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-218	87	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-219	82	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-220	84	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-221	84	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-222	87	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-223	90	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-224	89	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-225	88	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-226	88	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-227	88	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-228	91	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-229	94	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-230	100	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide

AP-231	103	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-232	107	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-233	109	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-234	110	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-235	117	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-236	115	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-237	114	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-238	110	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-239	105	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-240	96	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-241	101	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-242	93	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-243	93	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-244	101	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-245	110	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-246	113	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-247	108	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-248	107	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-249	106	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-250	106	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-251	106	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-252	110	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-253	120	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
253/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-254	121	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-255	121	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-256	115	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-257	100	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
257/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-258	101	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-259	101	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-260	104	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-261	108	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-262	108	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-263	112	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-264	116	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-265	114	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
265/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-266	101	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-267	95	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-268	93	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-269	88	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-270	88	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-271	94	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-272	99	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-273	101	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-274	101	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-275	100	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-276	101	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-277	105	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-278	104	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-279	104	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide

AP-280	111	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-281	106	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-282	104	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-283	104	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-284	97	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-285	101	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-286	107	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-287	108	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-288	108	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-289	109	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-290	107	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-291	102	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-292	95	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-293	93	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-294	94	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-295	89	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-296	89	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-297	86	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-298	86	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-299	85	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-300	88	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-301	105	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-302	107	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-303	107	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-304	110	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-305	106	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-306	101	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-307	97	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-308	102	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-309	98	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-310	98	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
310/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-311	90	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-312	87	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-313	91	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-314	90	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-315	90	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-317	95	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-318	88	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-319	88	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-320	79	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-321	85	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-322	90	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-323	96	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-324	99	Mud Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-325	101	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-326	101	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-327	101	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-328	101	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-329	102	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-330	98	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-331	98	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide

AP-332	99	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-333	100	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-334	95	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-335	91	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-336	87	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-337	90	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-338	89	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-339	89	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-340	92	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-341	92	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-342	95	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-343	91	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-344	95	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-345	92	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-346	93	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-347	92	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-348	85	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-349	85	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-350	81	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-351	78	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-352	78	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-353	77	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-354	72	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-355	73	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-356	72	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-357	73	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-358	69	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-359	65	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-360	65	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-361	66	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-362	62	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-363	66	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-364	66	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-365	83	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
365/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-366	74	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-367	74	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-368	80	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-369	78	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-370	74	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-371	70	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-372	69	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-373	72	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-374	75	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-375	76	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-376	79	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-377	71	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-378	71	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-379	68	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-380	77	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-381	77	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-382	78	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide

AP-383	71	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-384	73	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-385	65	Metal Road	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
385/1	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
385/2	0				Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-386	59	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-387	61	Electric Substation	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
35/1	70	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-40	60	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
40/1	61	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
50/1	69	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
58/1	76	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
67/1	73	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
87/1	80	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
90/1	85	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
95/1	91	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
96/1	93	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
96/2	90	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
108/1	93	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
111/1	80	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
111/2	82	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
112/1	91	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
114/1	106	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
119/1	93	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
120/1	81	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
132/1	104	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
135/1	100	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
136/1	96	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
144/1	103	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
146/1	95	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
151/1	84	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
159/1	108	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
172/1	121	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
174/1	111	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
177/1	107	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
177/2	113	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
182/1	118	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
183/1	109	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
253/1	127	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
257/1	100	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
265/1	107	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
266/1	95	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
310/1	90	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
AP-316	96	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
365/1	78	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
373/1	69	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
385/1	61	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide
385/2	53	Agriculture Land	Alluvium-sand/ silt & clay alternating beds	Valley Fill├éΓÇôModerate	Moderate Landslide	None	Earthquake, Wind Storm and Land Slide

Annexure B6

AP_No	Ground Elevation Of EP	EP Fall in Feature	Rock_Type	Rock_Type2	Landslide Study	Flood Study	Hazard Type
BAY	38	Electric Substation	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	None	None	Earthquake and Wind Storm
AP-1	38	Electric Substation	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	None	None	Earthquake and Wind Storm
AP-2	35	Tree Crop and Groves	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	None	None	Earthquake and Wind Storm
AP-3	46	Tree Crop and Groves	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	None	None	Earthquake and Wind Storm
AP-4	40	Mud Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	None	None	Earthquake and Wind Storm
AP-5	43	Tree Crop and Groves	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	None	None	Earthquake and Wind Storm
AP-6	34	Road Side Fallow Land	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	None	None	Earthquake and Wind Storm
AP-7	34	Road Side Fallow Land	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-8	28	Road Side Fallow Land	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-9	21	Road Side Fallow Land	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-10	32	Road Side Fallow Land	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-11	38	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-12	50	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-13	51	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-14	44	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-15	40	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-16	39	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-17	36	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-18	30	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-19	34	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-20	40	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-21	47	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-22	44	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-23	49	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-24	47	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-25	40	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-26	32	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Earthquake and Wind Storm
AP-27	32	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Earthquake and Wind Storm
AP-28	28	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Earthquake and Wind Storm
AP-29	27	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Earthquake and Wind Storm
AP-30	29	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Very Low Landslide	None	Earthquake and Wind Storm
AP-31	29	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Very Low Landslide	None	Earthquake and Wind Storm
AP-32	34	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Very Low Landslide	None	Earthquake and Wind Storm
AP-33	44	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Very Low Landslide	None	Earthquake and Wind Storm
AP-34	50	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Very Low Landslide	None	Earthquake and Wind Storm
AP-35	48	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Very Low Landslide	None	Earthquake and Wind Storm
AP-36	46	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Very Low Landslide	None	Earthquake and Wind Storm
AP-37	46	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Very Low Landslide	None	Earthquake and Wind Storm
AP-38	38	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Very Low Landslide	None	Earthquake and Wind Storm
AP-39	35	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Very Low Landslide	None	Earthquake and Wind Storm
AP-40	36	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Very Low Landslide	None	Earthquake and Wind Storm
AP-41	41	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Very Low Landslide	None	Earthquake and Wind Storm
AP-42	45	Agriculture Land	Shaly Sandstone	Fracture/Fault Line Valley	Very Low Landslide	None	Earthquake and Wind Storm
AP-43	41	Vacant Land	Shaly Sandstone	Fracture/Fault Line Valley	Very Low Landslide	None	Earthquake and Wind Storm
AP-44	39	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-45	40	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-46	41	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-47	45	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm

AP-48	56	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-49	53	Road Side Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-50	52	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-51	59	Road Side Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-52	60	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-53	62	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-54	57	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-55	55	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-56	61	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-57	54	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-58	51	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-59	47	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-60	42	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-61	40	Road Side Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-62	47	Road Side Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-63	31	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-64	37	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-65	40	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-66	37	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-67	31	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-68	31	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-69	31	Vacant Land	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low Landslide	None	Earthquake and Wind Storm
AP-70	30	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low Landslide	None	Earthquake and Wind Storm
AP-71	32	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-72	34	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-73	32	Road Side Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-74	33	Road Side Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-75	57	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-76	45	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-77	35	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-78	28	Road Side Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-79	23	Vacant Land	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low Landslide	None	Earthquake and Wind Storm
AP-80	30	Mud Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low Landslide	None	Earthquake and Wind Storm
AP-81	29	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-82	29	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-83	29	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-84	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-85	35	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-86	42	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-87	42	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-88	51	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-89	49	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-90	45	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-91	57	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-92	39	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-93	32	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low Landslide	None	Earthquake and Wind Storm
AP-94	25	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low Landslide	None	Earthquake and Wind Storm
AP-95	53	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-96	54	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm

AP-97	64	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-98	73	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-99	70	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-100	65	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-101	55	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-102	61	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-103	67	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-104	59	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-105	59	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-106	59	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-107	61	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-108	61	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-109	56	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-110	55	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-111	58	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-112	59	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-113	60	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-114	54	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-115	54	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-116	62	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-117	56	Park	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-118	54	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-119	62	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-120	50	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-121	37	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake and Wind Storm
AP-122	27	Waste Land	Shaly Sandstone	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake and Wind Storm
AP-123	28	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-124	32	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-125	31	Tree Crop and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-126	33	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-127	36	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-128	36	Tree Crop and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-129	35	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-130	27	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-131	25	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-132	28	Waste Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-133	35	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-134	39	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-135	36	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-136	37	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-137	28	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-138	22	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-139	21	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-140	21	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-141	23	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-142	24	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-143	27	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-144	29	Tree Crop and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-145	35	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood

AP-146	40	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-147	33	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-148	32	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-149	34	Bricks Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-150	33	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-151	27	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-152	27	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-153	24	Waste Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-154	22	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-155	22	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-156	30	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-157	23	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-158	25	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-159	25	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-160	24	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-161	23	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-162	20	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-163	21	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-164	29	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-165	35	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-166	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-167	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-168	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-169	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-170	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-171	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-172	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-173	31	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-174	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-175	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-176	29	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-177	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-178	30	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-179	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-180	24	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-181	22	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-182	20	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-183	17	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-184	20	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-185	19	Waste Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-186	17	Waste Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-187	18	Waste Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-188	20	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-189	21	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-190	24	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-191	21	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-192	20	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-193	23	Waste Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-194	21	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood

AP-195	28	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-196	35	Road Side Fallow Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-197	24	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-198	32	Road Side Fallow Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-199	24	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-200	18	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-201	18	Road Side Fallow Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-202	19	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-203	15	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-204	16	Road Side Fallow Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-205	16	Road Side Fallow Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-206	19	Road Side Fallow Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-207	20	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-208	20	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-209	19	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-210	16	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-211	14	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-212	15	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-213	14	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-214	21	Road Side Fallow Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-215	28	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-216	28	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-217	29	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-218	22	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-219	19	Road Side Fallow Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-220	18	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-221	23	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-222	29	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-223	32	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-224	34	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-225	30	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-226	40	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-227	35	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-228	35	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-229	37	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-230	37	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-231	38	Bricks Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-232	38	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-233	37	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-234	29	Tree Crop and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-235	29	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-236	25	Tree Crop and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-237	26	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-238	29	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-239	29	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-240	20	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Wind Storm and Flood
AP-241	22	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-242	26	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-243	28	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood Prone Area	Wind Storm and Flood

AP-244	30	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-245	31	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-246	38	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-247	38	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-248	32	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood Prone Area	Wind Storm and Flood
AP-249	32	Road Side Fallow Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood Prone Area	Wind Storm and Flood

Annexure B7

AP_No	Ground Elevation Of EP	EP Fall in Feature	Rock_Type	Rock_Type2	Landslide Study	Flood Study	Hazard Type
AP-1	30	Mud Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-2	30	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-3	29	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-4	28	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-5	29	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-6	28	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-7	26	Tree Crops and Groves	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-8	32	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-9	34	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-10	37	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-11	37	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-12	35	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-13	36	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-14	38	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-15	32	Tree Crops and Groves	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-16	32	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-17	39	Tree Crops and Groves	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-18	36	Tree Crops and Groves	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-19	37	Tree Crops and Groves	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-20	30	Tree Crops and Groves	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-21	25	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-22	31	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-23	36	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-24	38	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-25	38	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-26	40	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-27	42	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-28	44	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-29	45	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-30	47	Rubber Plantation	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-31	45	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	None	Earthquake, Wind Storm and Low Land slide
AP-32	49	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-33	45	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-34	42	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-35	43	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-36	47	Rubber Plantation	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-37	63	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-38	64	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-39	63	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-40	64	Barren/Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-41	61	Barren/Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-42	54	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-43	54	Barren/Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-44	56	Barren/Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-45	55	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-46	54	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-47	52	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-48	57	Rubber Plantation	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-49	56	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide

AP-50	55	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-51	56	Rubber Plantation	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-52	53	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-53	53	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-54	48	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-55	47	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-56	52	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-57	50	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-58	49	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-59	49	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-60	43	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-61	44	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-62	39	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-63	41	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-64	42	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-65	42	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-66	43	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-67	54	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-68	53	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-69	49	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-70	50	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-71	47	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-72	48	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-73	56	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-74	40	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-75	31	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-76	31	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-77	26	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-78	27	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-79	29	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-80	32	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-81	29	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-82	28	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land slide
AP-83	24	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-84	27	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-85	26	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-86	27	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-87	26	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-88	26	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-89	22	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-90	21	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-91	23	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-92	24	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-93	23	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-94	23	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-95	21	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-96	19	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-97	17	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-98	20	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-99	18	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood

AP-100	18	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-101	22	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-102	22	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-103	22	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-104	22	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-105	23	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-106	22	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-107	15	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-108	15	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-109	14	Waste Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-110	15	Waste Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-111	17	Waste Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-112	19	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-113	26	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-114	26	Tree Crops and Groves	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-115	24	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-116	25	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-117	24	Metal Road	Alluvium-sand/ silt & clay alternating beds	Point Bar	None	High Flood	Earthquake, Wind Storm and High Flood
AP-118	24	Metal Road	Alluvium-sand/ silt & clay alternating beds	Point Bar	None	High Flood	Earthquake, Wind Storm and High Flood
AP-119	23	Metal Road	Alluvium-sand/ silt & clay alternating beds	Point Bar	None	High Flood	Earthquake, Wind Storm and High Flood
AP-120	22	Metal Road	Alluvium-sand/ silt & clay alternating beds	Point Bar	None	High Flood	Earthquake, Wind Storm and High Flood
AP-121	19	Vacant Land	Alluvium-sand/ silt & clay alternating beds	Point Bar	None	High Flood	Earthquake, Wind Storm and High Flood
AP-122	19	Metal Road	Alluvium-sand/ silt & clay alternating beds	Point Bar	None	High Flood	Earthquake, Wind Storm and High Flood
AP-123	21	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-124	23	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-125	25	Waste Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-126	28	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-127	29	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-128	28	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-129	32	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-130	27	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-131	24	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-132	22	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-133	22	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-134	25	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-135	20	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-136	19	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-137	17	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-138	22	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-139	23	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-140	25	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-141	25	Tree Crops and Groves	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-142	27	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-143	29	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-144	28	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-145	26	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-146	26	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-147	26	Tree Crops and Groves	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-148	27	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-149	35	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood

AP-150	37	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-151	44	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-152	26	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-153	24	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood
AP-154	38	Electric Substation	Shale with sandstone/ limestone bands	Structural Hills-Highly Dissected	None	High Flood	Earthquake, Wind Storm and High Flood

Annexure B8

AP_No	Ground Elevation Of EP	EP Fall in Feature	Rock_Type	Rock_Type2	Landslide Study	Flood Study	Hazard Type
1	47	Electric substaion	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
2	40	Mud Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
3	36	Mud Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
4	30	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
5	23	Mud Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
6	17	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
7	24	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
8	21	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
9	23	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
10	21	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
11	22	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
12	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
13	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
14	28	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
15	39	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
16	28	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
17	28	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
18	29	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
19	25	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
20	29	Mud Road	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
21	39	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
22	39	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
23	41	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
24	39	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
25	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
26	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
27	35	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
28	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
29	34	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
30	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
31	35	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
32	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
33	43	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
34	41	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
35	48	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
36	47	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
37	41	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
38	42	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
39	42	Barren/Rock with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
40	44	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
41	46	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
42	45	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
43	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
44	33	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
45	40	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
46	42	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
47	49	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
48	62	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
49	57	Barren/Rock with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
50	54	Barren/Rock with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
51	68	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
52	70	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
53	64	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide

54	57	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
55	56	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
56	57	Rubber Plantation/Orchards	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
57	53	Rubber Plantation/Orchards	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
58	48	Rubber Plantation/Orchards	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
59	50	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
60	45	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
61	40	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
62	44	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
63	44	Tree Crop and Groves	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
64	41	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
65	42	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
66	44	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
67	44	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
68	48	Waste Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
69	48	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
70	41	Agriculture Land	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
71	41	Agriculture Land	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
72	41	Agriculture Land	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
73	34	Agriculture Land	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
74	30	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
75	26	Barren/Rock with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
76	33	Tree Crop and Groves	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
77	37	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
78	35	Tree Crop and Groves	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
79	32	Tree Crop and Groves	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
80	41	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
81	37	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
82	35	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
83	33	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
84	38	Fallow Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
85	31	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
86	40	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
87	49	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
88	51	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
89	47	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
90	45	Rubber Plantation/Orchards	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
91	37	Rubber Plantation/Orchards	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
92	38	Rubber Plantation/Orchards	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
93	32	Rubber Plantation/Orchards	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
94	38	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
95	38	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
96	35	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
97	31	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
98	33	Waste Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
99	36	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
100	28	Agriculture Land	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
101	28	Metal Road	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
102	28	Metal Road	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
103	26	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
104	26	Fallow Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
105	23	Agriculture Land	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
106	23	Agriculture Land	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
107	28	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood

108	33	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
109	41	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
110	41	Fallow Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
111	34	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
112	32	Metal Road	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	None	Earthquake and Wind Storm
113	26	Metal Road	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	None	Earthquake and Wind Storm
114	32	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
115	42	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
116	40	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
117	39	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
118	35	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
119	34	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
120	38	Waste Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
121	29	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
122	28	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
123	39	Metal Road	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
124	47	Fallow Land	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
125	45	Metal Road	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
126	48	Fallow Land	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
127	52	Metal Road	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
128	56	Fallow Land	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
129	52	Fallow Land	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
130	57	Metal Road	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
131	49	Metal Road	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
132	43	Rubber Plantation/Orchards	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
133	37	Rubber Plantation/Orchards	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
134	32	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
135	28	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
136	29	Metal Road	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	None	Earthquake and Wind Storm
137	28	Agriculture Land	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	None	Earthquake and Wind Storm
138	26	Rubber Plantation/Orchards	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	None	Earthquake and Wind Storm
139	26	Rubber Plantation/Orchards	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	None	Earthquake and Wind Storm
140	23	Rubber Plantation/Orchards	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	None	Earthquake and Wind Storm
141	29	Rubber Plantation/Orchards	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
142	30	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
143	37	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
144	40	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
145	37	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
146	24	Tree Crop and Groves	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
147	25	Metal Road	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	None	Earthquake and Wind Storm
148	32	Vacant Land	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	None	Earthquake and Wind Storm
149	32	Waste Land	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	None	Earthquake and Wind Storm
150	29	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
151	26	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
152	31	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
153	29	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
154	26	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
155	27	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
156	28	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
157	28	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
158	27	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
159	32	Metal Road	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
160	38	Metal Road	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
161	39	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm

162	30	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
163	30	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
164	27	Tree Crop and Groves	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
165	37	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
166	37	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
167	34	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
168	30	Metal Road	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
169	28	Metal Road	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
170	27	Metal Road	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
171	33	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
172	33	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
173	36	Vacant Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
174	38	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
175	41	Tree Crop and Groves	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
176	42	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
177	41	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
178	44	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
179	44	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
180	40	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
181	34	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
182	30	Fallow Land	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	None	Earthquake and Wind Storm
183	22	Agriculture Land	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	None	Earthquake and Wind Storm
184	29	Metal Road	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	None	Earthquake and Wind Storm
185	44	Metal Road	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	None	None	Earthquake and Wind Storm
186	39	Metal Road	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
187	40	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
188	34	Metal Road	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
189	38	Metal Road	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
190	46	Metal Road	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
191	47	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
192	44	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
193	43	Waste Land	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
194	53	Metal Road	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
195	51	Barren/Rock with Scrub Land	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
196	46	Barren/Rock with Scrub Land	Shale with sandstone/ limestone bands	Valley Fill ├éΓÇô Shallow	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
197	43	Barren/Rock with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
198	43	Barren/Rock with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
199	57	Barren/Rock with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
200	59	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
201	55	Barren/Rock with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
202	48	Barren/Rock with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
203	51	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
204	56	Barren/Rock with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
205	60	Rubber Plantation/Orchards	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
206	64	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
207	59	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
208	51	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
209	50	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
210	45	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
211	40	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
212	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
213	43	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
214	44	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
215	46	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide

216	49	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
217	47	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
218	44	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
219	43	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
220	42	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
221	49	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
222	48	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
223	46	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
224	41	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
225	40	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
226	43	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
227	47	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
228	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
229	41	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
230	29	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
231	31	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
232	27	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
233	17	Fallow Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
234	17	Waste Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
235	25	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
236	25	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
237	27	Metal Road	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
238	36	Metal Road	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
239	35	Rubber Plantation/Orchards	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
240	34	Metal Road	Shaly Sandstone	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
241	34	Barren/Rock with Scrub Land	Shaly Sandstone	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
242	39	Barren/Rock with Scrub Land	Shaly Sandstone	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
243	41	Metal Road	Shaly Sandstone	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
244	43	Metal Road	Shaly Sandstone	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
245	40	Metal Road	Shaly Sandstone	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
246	42	Waste Land	Shaly Sandstone	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
247	44	Waste Land	Shaly Sandstone	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
248	41	Vacant Land	Shaly Sandstone	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
249	43	Waste Land	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
250	43	Waste Land	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
251	47	Vacant Land	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
252	51	Vacant Land	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
253	50	Metal Road	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
254	47	Tree Crop and Groves	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
255	52	Vacant Land	Shaly Sandstone	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
256	53	Rubber Plantation/Orchards	Shaly Sandstone	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
257	54	Rubber Plantation/Orchards	Shaly Sandstone	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
258	54	Metal Road	Shaly Sandstone	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
259	54	Rubber Plantation/Orchards	Shaly Sandstone	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
260	46	Metal Road	Shaly Sandstone	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
261	42	Rubber Plantation/Orchards	Shaly Sandstone	Structural Hills-Moderately dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
262	48	Metal Road	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
263	50	Metal Road	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
264	44	Vacant Land	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
265	44	Tree Crop and Groves	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
266	48	Metal Road	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
267	45	Metal Road	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
268	46	Tree Crop and Groves	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
269	48	Vacant Land	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm

270	48	Metal Road	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
271	44	Agriculture Land	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
272	36	Metal Road	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
273	30	Metal Road	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
274	34	Metal Road	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
275	44	Vacant Land	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
276	36	Vacant Land	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
277	43	Vacant Land	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
278	42	Metal Road	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
279	44	Metal Road	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
280	41	Vacant Land	Shaly Sandstone	Structural Hills-Moderately dissected	None	None	Earthquake and Wind Storm
281	34	Tree Crop and Groves	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
282	21	Agriculture Land	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
283	25	Agriculture Land	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
284	31	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	None	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
285	30	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
286	24	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
287	28	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
288	29	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
289	39	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
290	42	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
291	35	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
292	29	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
293	31	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
294	39	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
295	50	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
296	51	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
297	48	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
298	49	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
299	47	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
300	57	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
301	56	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
302	58	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
303	48	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
304	45	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
305	54	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
306	54	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
307	59	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
308	54	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
309	46	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
310	48	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
311	47	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
312	58	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
313	61	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
314	62	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
315	61	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
316	62	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
317	67	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
318	63	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
319	54	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
320	51	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
321	51	Barren/Rock with Scrub Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
322	49	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
323	50	Barren/Rock with Scrub Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide

324	55	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
325	64	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
326	66	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
327	62	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
328	62	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
329	65	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
330	69	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
331	48	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
332	47	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
333	50	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
334	62	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
335	76	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
336	75	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
337	77	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
338	75	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
339	72	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
340	63	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
341	54	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
342	56	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
343	60	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
344	61	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
345	56	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
346	54	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
347	54	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
348	57	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
349	58	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
350	51	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
351	50	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
352	56	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
353	59	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
354	58	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
355	56	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
356	55	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
357	56	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
358	61	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
359	65	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
360	66	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
361	60	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
362	64	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
363	61	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
364	57	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
365	52	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
366	42	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
367	48	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
368	48	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
369	41	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
370	41	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
371	34	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide
372	35	Rubber Plantation/Orchards	Shaly Sandstone	Valley Fill ├érÇô Shallow	Low Landslide	None	Earthquake, Wind Storm and Low Land Slide

Annexure B9

AP_NO	Ground Elevation of EP	EP Fall in Feature	Rocks Type	Rock Structure	Landslide Study	Flodd Study	Type of Agend for Hazard
T.P	62	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	None	Earthquake, Low Landslide & Wind
AP-2	60	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	None	Earthquake, Low Landslide & Wind
AP-1	60	Electric Substation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	None	Earthquake, Low Landslide & Wind
AP-1	60	Electric Substation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	None	Earthquake, Low Landslide & Wind
T.P	73	Food Godown	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	None	Earthquake, Low Landslide & Wind

Annexure B10

AP_No	Ground Elevation Of EP	EP Fall in Feature	Rock_Type	Rock_Type2	Landslide Study	Flood Study	Hazard Type
AP-BAY	27	Electric Substation	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-1	27	Electric Substation	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-4	34	Electric Substation	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-3	35	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Wind Storm
AP-4	35	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Wind Storm
AP-5	27	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-6	20	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Wind Storm
AP-7	19	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-8	16	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-9	21	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-10	23	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-11	20	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-12	25	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-13	23	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-14	22	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-15	21	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-16	20	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-17	20	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-18	19	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-19	15	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-20	16	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-21	17	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-22	29	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-23	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-24	18	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-25	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-26	19	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-27	19	Park	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-28	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-29	17	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	None	Wind Storm
AP-30	24	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	None	Wind Storm
AP-31	30	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-32	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-33	32	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-34	34	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-35	28	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-36	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-37	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-38	23	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-39	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-40	45	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-41	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-42	27	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-43	26	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-44	23	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-45	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-46	25	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-47	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-48	24	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-49	19	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood

AP-50	16	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-51	18	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-52	22	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-53	23	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-54	21	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-55	22	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-56	21	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-57	24	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-58	24	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-59	20	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-60	28	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-61	27	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-62	26	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-63	25	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-64	26	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-65	23	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-66	24	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-67	25	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-68	22	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-69	19	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-70	19	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-71	15	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-72	15	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-73	18	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-74	21	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-75	21	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-76	24	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-77	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-78	24	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-79	24	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-80	21	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-81	14	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-82	14	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-83	11	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-84	14	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-85	15	Mud Road	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-86	18	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-87	18	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-88	20	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-89	19	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-90	19	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-91	18	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-92	18	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-93	22	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-94	17	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-95	15	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-96	12	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-97	0				None	None	Wind Storm
AP-98	14	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-99	15	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-100	15	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood

AP-101	19	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-102	18	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-103	22	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	None	Wind Storm
AP-104	17	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	None	Wind Storm
AP-105	23	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-106	23	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-107	23	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-108	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-109	24	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
AP-110	24	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-111	18	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-112	18	Mud Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-113	18	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-114	20	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-115	17	Mud Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-116	14	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-117	16	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-118	16	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-119	23	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-120	25	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-121	31	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-122	33	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-123	30	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-124	29	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-125	29	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-126	33	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-127	38	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-128	41	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-129	41	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-130	24	Waste Land	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-131	15	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-132	18	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-133	25	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-134	25	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-135	25	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-136	27	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-137	26	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-138	26	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-139	28	Rubber Plantation/Orchards	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-140	23	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-141	23	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-142	26	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-143	25	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-144	25	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-145	26	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-146	28	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-147	32	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-148	35	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-149	37	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-150	31	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-151	31	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide

AP-152	30	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-153	24	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-154	27	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-155	23	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-156	21	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-156/A	17	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
AP-156/B	16	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-157	15	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-158	17	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-159	24	Waste Land	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-160	31	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-161	24	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-162	25	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-163	16	Rubber Plantation/Orchards	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-164	21	Waste Land	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-165	28	Waste Land	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-166	25	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-167	26	Rubber Plantation/Orchards	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
AP-168	17	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-169	18	Waste Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-170	20	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-171	22	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-172	20	Waste Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-173	22	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-174	31	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-175	37	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-176	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-177	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-178	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-179	30	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-180	30	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-181	24	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-182	20	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
AP-183	38	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-184	34	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	None	Wind Storm
AP-185	34	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	None	Wind Storm
AP-186	25	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	None	Wind Storm
AP-187	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-188	23	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-189	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-190	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-191	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-192	42	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-193	43	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-194	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-195	31	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-196	31	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-197	38	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
AP-198	42	Electric Substation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
1/1	28	Electric Substation	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
4/1	36	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Wind Storm

4/1	29	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Wind Storm
5/1	27	Waste Land	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Wind Storm
7/1	19	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
8/1	20	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
9/1	23	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
11/1	19	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
11/2	18	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
11/3	23	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
12/1	22	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
12/2	19	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
12/3	19	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
12/4	19	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
12/5	21	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
13/1	25	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
13/2	23	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
14/1	22	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
17/1	20	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
18/1	19	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
18/2	19	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
18/3	16	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
18/4	15	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
21/1	19	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
26/1	23	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
26/2	20	Park	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
28/1	21	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
33/1	33	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
34/1	29	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
37/1	25	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
39/1	49	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
40/1	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
44/1	23	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
47/1	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
48/1	21	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
48/2	23	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
55/1	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
56/1	22	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
59/1	26	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
61/1	27	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
61/2	25	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
64/1	25	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
67/1	24	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
82/1	14	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
90/1	17	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
93/1	18	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
97	14	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	Moderate Flood Prone Area	Wind Storm and Flood
99/1	16	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
102/1	18	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	None	Wind Storm
102/2	17	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	None	Wind Storm
104/1	22	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
106/1	20	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Wind Storm
115/1	17	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide

118/1	20	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
118/2	23	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
129/1	40	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
129/1	37	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
130/1	18	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
132/1	23	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
142/1	26	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
147/1	35	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
149/1	33	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
150/1	28	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
150/2	30	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
151/1	31	Rubber Plantation/Orchards	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
158/1	24	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
160/1	29	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
162/1	23	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
163/1	17	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
164/1	23	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
166/1	21	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Low Landslide Area	None	Wind Storm and Low landslide
166/2	25	Rubber Plantation/Orchards	Shaly Sandstone	Alluvial Younger Shallow	Low Landslide Area	None	Wind Storm and Low landslide
167/1	20	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
168/1	14	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
172/1	18	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
172/2	18	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
172/3	20	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
173/1	24	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
174/1	35	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
178/1	36	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	None	Wind Storm
181/1	23	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
181/2	19	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood Prone Area	Wind Storm and Flood
182/1	29	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	None	Wind Storm
186/1	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
188/1	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
189/1	31	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
191/1	36	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
193/1	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
196/1	30	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm
197/1	43	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Wind Storm

Annexure B11

AP_No	Ground Elevation Of EP	EP Fall in Feature	Rock_Type	Rock_Type2	Landslide Study	Flood Study	Hazard Type
AP EXT	19	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
AP-1	20	Waste Land	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
AP-2	19	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
AP-3	22	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
AP-3A	21	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
AP-4	22	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
AP-5	19	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-5A	20	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-5B	26	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-6	24	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-7	25	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-8	25	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-9	25	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-10	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-11	21	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-12	19	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-13	32	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-14	32	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-15	26	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-16	23	Road side Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-17	24	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-18	19	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-19	19	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Earthquake and Wind Storm
AP-19A	19	Tree Crop and Groves	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Earthquake and Wind Storm
AP-20	25	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-21	26	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-22	29	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-23	31	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-24	29	Road side Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-25	39	Road side Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-26	40	Road side Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-27	36	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-28	37	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-29	36	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-30	38	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-31	34	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-32	33	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-33	28	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-34	26	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm

AP-35	18	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-36	27	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-37	25	Agriculture Land	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Earthquake and Wind Storm
AP-38	24	Agriculture Land	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Earthquake and Wind Storm
AP-39	17	Vacant Land	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Earthquake and Wind Storm
AP-40	16	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-41	23	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-42	19	Road side Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-43	18	Road side Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-44	21	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-45	19	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-46	18	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-47	22	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-48	23	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-49	28	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-50	23	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-51	24	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-52	32	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-53	34	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-54	33	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-55	29	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-56	20	Barren/Rocky with Scrub Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-57	25	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-58	19	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-59	19	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-60	19	Road side Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-61	14	Road side Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-62	17	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-63	15	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-64	14	Road side Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-65	13	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-66	16	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-67	16	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-68	17	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-69	17	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-70	20	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-71	19	Vacant Land	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Earthquake and Wind Storm
AP-72	18	Mud Road	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Earthquake and Wind Storm
AP-73	16	Road side Fallow Land	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Earthquake and Wind Storm
AP-74	17	Road side Fallow Land	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Earthquake and Wind Storm

AP-75	15	Road side Fallow Land	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Earthquake and Wind Storm
AP-76	15	Vacant Land	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Earthquake and Wind Storm
AP-77	16	Barren/Rocky with Scrub Land	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Earthquake and Wind Storm
AP-78	17	Barren/Rocky with Scrub Land	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Earthquake and Wind Storm
AP-79	18	Barren/Rocky with Scrub Land	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Earthquake and Wind Storm
AP-80	21	Barren/Rocky with Scrub Land	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Earthquake and Wind Storm
AP-81	24	Barren/Rocky with Scrub Land	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Earthquake and Wind Storm
AP-82	24	Road side Fallow Land	Shaly Sandstone	Fracture/Fault Line Valley	None	None	Earthquake and Wind Storm
AP-83	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-84	23	Road side Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-85	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-86	17	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-87	18	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-88	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-89	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-90	24	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-91	20	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-92	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-93	20	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-94	24	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-95	31	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-96	32	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-97	30	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-98	31	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-99	28	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-100	27	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-101	25	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-102	24	Mud Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-103	20	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-104	21	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-105	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-106	32	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-107	31	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-108	30	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-109	27	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-110	28	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-111	27	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-112	25	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-113	26	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-114	24	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm

AP-115	24	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-116	28	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-117	26	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-118	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-119	23	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-120	23	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-121	21	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-122	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-123	23	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-124	25	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-125	25	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-126	25	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-127	27	Rubber Plantation	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
AP-128	26	Rubber Plantation	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
AP-129	22	Rubber Plantation	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
AP-130	16	Waste Land	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
AP-131	16	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
AP-132	17	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
AP-133	18	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
AP-134	17	Road side Fallow Land	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
AP-135	16	Road side Fallow Land	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
AP-136	15	Tree Crop and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	None	Earthquake and Wind Storm
AP-137	16	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-138	23	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-139	23	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-140	23	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-141	26	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-142	28	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-143	35	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-144	36	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-145	37	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-146	39	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-147	44	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-148	41	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-149	35	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-150	32	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-151	31	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-152	35	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-153	37	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-154	30	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm

AP-155	30	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-156	27	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-157	28	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-158	28	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-159	32	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-160	26	Road side Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-161	30	Road side Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-162	28	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-163	29	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-164	31	Tree Crop and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-165	28	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-166	31	Mud Road	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm
AP-167	27	Electric Substation	Shaly Sandstone	Denudational Hills-Less dissected	None	None	Earthquake and Wind Storm

Annexure B12

AP_No	Ground Elevation Of EP	EP Fall in Feature	Rock_Type	Rock_Type2	Landslide Study	Flood Study	Hazard Type
AP-1	26	Electric Substaion	Shaly Sandstone	Fracture/Fault Line Valley	Very Low	None	Earthquake and Wind Storm
AP-2	28	Electric Substaion	Shaly Sandstone	Fracture/Fault Line Valley	Very Low	None	Earthquake and Wind Storm
AP-3	28	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Very Low	None	Earthquake and Wind Storm
AP-4	37	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Very Low	None	Earthquake and Wind Storm
AP-5	37	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Very Low	None	Earthquake and Wind Storm
AP-6	25	Vacant Land	Shaly Sandstone	Fracture/Fault Line Valley	Very Low	None	Earthquake and Wind Storm
AP-7	25	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Very Low	None	Earthquake and Wind Storm
AP-8	24	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Very Low	None	Earthquake and Wind Storm
AP-9	21	Vacant Land	Shaly Sandstone	Fracture/Fault Line Valley	Very Low	None	Earthquake and Wind Storm
AP-10	20	Agriculture Land	Shaly Sandstone	Fracture/Fault Line Valley	Very Low	None	Earthquake and Wind Storm
AP-11	20	Agriculture Land	Shaly Sandstone	Fracture/Fault Line Valley	Very Low	None	Earthquake and Wind Storm
AP-12	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-13	28	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-14	36	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-15	33	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-16	30	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-17	33	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-18	41	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-19	38	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-20	42	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-21	38	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-22	38	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-23	34	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-24	27	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-25	25	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-26	22	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-27	24	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-28	18	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-29	19	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-31	18	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-32	19	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-33	16	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-34	15	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-35	18	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-36	22	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-37	27	Mud Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-38	31	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-39	31	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-40	33	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-41	31	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-42	28	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-43	33	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-44	34	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-45	29	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-46	25	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm

AP-47	21	Vacant Land	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-48	21	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-49	19	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-50	42	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-51	29	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-52	22	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-53	22	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-54	19	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-55	20	Agriculture Land	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-56	15	Agriculture Land	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-57	20	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-58	23	Agriculture Land	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-59	27	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-60	25	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-61	21	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-62	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-63	28	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-64	26	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-65	28	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-66	28	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-67	33	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-68	28	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-69	28	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-70	34	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-71	36	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-72	35	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-73	34	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-74	38	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-75	34	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-76	17	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-77	16	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-78	15	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-79	16	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-80	28	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-81	28	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-82	15	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-83	16	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-84	15	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-85	19	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-86	19	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-87	18	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-88	19	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-89	22	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-90	24	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-91	23	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-92	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm

AP-93	22	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-94	25	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-95	27	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-96	27	Road side Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-97	28	Road side Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-98	26	Road side Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-99	32	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-100	36	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-101	36	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-102	30	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-103	26	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-104	23	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-105	24	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-106	29	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-107	30	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-108	30	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-109	29	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-110	26	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-111	24	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-112	23	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-113	26	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-114	26	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-115	25	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-116	25	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-117	26	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-118	28	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-119	28	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-120	28	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-121	28	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-122	22	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-123	20	Waste Land	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-124	24	Vacant Land	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-125	27	Tree Crops and Groves	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-126	28	Tree Crops and Groves	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-127	26	Tree Crops and Groves	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-128	25	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-129	29	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-130	34	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-131	32	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-132	31	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-133	32	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-134	35	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-135	33	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-136	32	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-137	36	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-138	35	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm

AP-139	38	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-140	36	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-141	27	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-142	26	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-143	30	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-144	31	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-145	32	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-146	29	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-147	31	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-148	37	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-149	40	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-150	21	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-152	24	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-153	20	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-154	18	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-155	14	Agriculture Land	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-156	27	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-157	27	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-158	26	Mud Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-159	27	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-160	33	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-161	33	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-162	32	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-163	26	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-164	22	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-165	22	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-166	21	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-167	22	Road side Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-168	21	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-169	22	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-170	23	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-171	27	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-172	28	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-173	29	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-174	29	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-175	31	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-176	30	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-177	30	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-178	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-179	20	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-180	20	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-181	25	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-182	25	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-183	24	Tree Crops and Groves	Shaly Sandstone	Fracture/Fault Line Valley	Very Low	None	Earthquake and Wind Storm
AP-184	26	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Very Low	None	Earthquake and Wind Storm
AP-185	24	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Very Low	None	Earthquake and Wind Storm

AP-186	24	Tree Crops and Groves	Shaly Sandstone	Fracture/Fault Line Valley	Very Low	None	Earthquake and Wind Storm
AP-187	21	Tree Crops and Groves	Shaly Sandstone	Fracture/Fault Line Valley	Very Low	None	Earthquake and Wind Storm
AP-188	21	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Very Low	None	Earthquake and Wind Storm
AP-189	33	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-190	26	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-191	19	Tree Crops and Groves	Shaly Sandstone	Fracture/Fault Line Valley	Very Low	None	Earthquake and Wind Storm
AP-192	28	Rubber Plantation	Shaly Sandstone	Fracture/Fault Line Valley	Very Low	None	Earthquake and Wind Storm
AP-193	32	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-194	29	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-195	28	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-196	25	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-197	19	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-198	19	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-199	15	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-200	19	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-201	17	Vacant Land	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-202	17	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-203	17	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-204	15	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-205	12	Vacant Land	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-206	17	Road side Fallow Land	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-207	19	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-208	23	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-209	26	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-210	25	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-211	25	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-212	27	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-213	28	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-214	32	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-215	36	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-216	36	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-217	39	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-218	39	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-219	35	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-220	29	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-221	24	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-222	20	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-223	19	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-224	17	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-225	23	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-226	26	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-227	24	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-228	24	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-229	20	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-230	19	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-231	17	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm

AP-232	20	Barren/Rocky with Scrub Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-233	30	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-234	24	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-235	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-236	19	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-237	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-238	24	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-239	26	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-240	28	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-241	27	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-242	20	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-243	20	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-244	20	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-245	19	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-246	20	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-247	21	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Very Low	None	Earthquake and Wind Storm
AP-248	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-249	20	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-250	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-251	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-252	33	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-253	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-254	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-255	32	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-256	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-257	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-258	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-259	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-260	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-261	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-262	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-263	16	Waste Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-264	19	Waste Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-265	17	Vacant Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-266	13	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-267	15	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-268	15	Vacant Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-269	15	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-270	15	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-271	16	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-272	16	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-273	16	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-274	22	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-275	24	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-276	24	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-277	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm

AP-278	25	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-279	24	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-280	17	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-281	15	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-282	14	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-283	17	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-284	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-285	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-286	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-287	34	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-288	40	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-289	36	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-290	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-291	20	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-292	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-293	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-294	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-295	18	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-296	20	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-297	29	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-298	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-299	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-300	35	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-301	30	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-302	33	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-303	30	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-304	27	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-305	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-306	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-307	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-308	25	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-309	26	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-310	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-311	27	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-312	24	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-313	24	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-314	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-315	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-316	25	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-317	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-318	19	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-319	14	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low	None	Earthquake and Wind Storm
AP-320	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-321	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-322	37	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-323	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm

AP-324	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-325	34	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-326	31	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-327	30	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-328	28	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-329	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-330	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-331	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-332	32	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-333	34	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-334	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-335	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-336	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-337	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-338	19	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-339	15	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-340	17	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-341	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-342	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-343	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-344	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-345	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-346	35	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-347	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-348	33	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-349	35	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-350	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-351	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-352	39	Mud Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-353	39	Electric Substaion	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-354	36	Electric Substaion	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-355	36	Electric Substaion	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm
AP-356	36	Electric Substaion	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low	None	Earthquake and Wind Storm

Annexure B13

AP_NO	Ground Elevation Of EP	EP Fall in Feature	Rock_Type	Rock_Type2	Landslide Study	Flood Study	Hazard Type
EXT-33	26	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
1	27	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
2	28	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
3	29	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
4	26	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
5	29	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
6	31	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
7	27	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
8	26	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
9	22	Mud Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
10	28	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
11	28	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
12	27	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
13	20	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
14	20	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
15	24	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
16	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
17	31	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
18	35	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
19	33	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
20	34	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
21	32	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
22	33	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
23	28	Rubber Plantation	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
24	26	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
25	23	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
26	23	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
27	22	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
28	16	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
29	18	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
30	20	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
31	21	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
32	19	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
33	22	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
34	20	Fallow Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
35	15	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Moderate Flood	Earthquake , Wind Storm and Flood
36	17	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Moderate Flood	Earthquake , Wind Storm and Flood
37	25	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Moderate Flood	Earthquake , Wind Storm and Flood
38	24	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Moderate Flood	Earthquake , Wind Storm and Flood
39	24	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
40	28	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
41	37	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
42	35	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
43	29	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
44	31	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
45	35	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
46	36	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood

47	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
48	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
49	26	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
50	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
51	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
52	26	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
53	27	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
54	29	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
55	32	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
56	31	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
57	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
58	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
59	42	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
60	44	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
61	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
62	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
63	37	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
64	46	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
65	39	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
66	31	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
67	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
68	28	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
69	33	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
70	24	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
71	26	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
72	22	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
73	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Moderate Flood	Earthquake , Wind Storm and Flood
74	18	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
75	24	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
76	26	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
77	21	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
78	20	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
79	17	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
80	17	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
81	16	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
82	19	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
83	19	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
84	24	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
85	24	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
86	24	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
87	24	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
88	28	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
89	27	Fallow Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
90	27	Mud Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
91	26	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
92	23	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
93	22	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
94	28	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood

95	28	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
96	15	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
97	14	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
98	18	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
99	20	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
100	28	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
101	29	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Low Flood	Earthquake , Wind Storm and Flood
102	29	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Low Flood	Earthquake , Wind Storm and Flood
103	27	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Low Flood	Earthquake , Wind Storm and Flood
104	23	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	Low Flood	Earthquake , Wind Storm and Flood
105	22	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	Low Flood	Earthquake , Wind Storm and Flood
106	24	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	Low Flood	Earthquake , Wind Storm and Flood
107	20	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Low Flood	Earthquake , Wind Storm and Flood
108	22	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
109	30	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
110	28	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
111	26	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
112	21	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
113	26	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
114	30	Waste Land	Shaly Sandstone	Alluvial Younger Shallow	None	Moderate Flood	Earthquake , Wind Storm and Flood
115	32	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Low Flood	Earthquake , Wind Storm and Flood
116	32	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Low Flood	Earthquake , Wind Storm and Flood
117	31	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Low Flood	Earthquake , Wind Storm and Flood
118	29	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Low Flood	Earthquake , Wind Storm and Flood
119	29	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	Low Flood	Earthquake , Wind Storm and Flood
120	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
121	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood
122	30	Electric Substation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Low Flood	Earthquake , Wind Storm and Flood

Annexure B14

AP_NO	Ground Elevation Of EP	EP Fall in Feature	Rock_Type	Rock_Type2	Landslide Study	Flood Study	Hazard Type
AP-12	15	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-13	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-14	27	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-15	25	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-16	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-17	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-18	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-19	18	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-20	17	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-21	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-22	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-23	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-24	16	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-25	19	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-26	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-27	24	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-28	20	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-29	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-30	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-31	19	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-32	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-33	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-34	26	Waste Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-35	28	Waste Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-36	25	Fallow Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-37	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-38	12	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-39	10	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-40	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-41	34	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-42	33	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-43	33	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-44	29	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-45	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-46	31	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-47	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-48	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-49	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-50	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-51	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-52	39	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-53	33	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-54	27	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-55	24	Rubber Plantation	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-56	25	Rubber Plantation	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-57	29	Rubber Plantation	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-58	31	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-59	34	Rubber Plantation	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-60	29	Rubber Plantation	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-61	27	Rubber Plantation	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide

AP-62	24	Rubber Plantation	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-63	28	Rubber Plantation	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-64	32	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-65	36	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-66	41	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-67	59	Rubber Plantation	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-68	65	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-69	54	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-70	49	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-71	49	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-72	42	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-73	40	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-74	33	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-75	30	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-76	27	Metal Road	Shale with sandstone/ limestone bands	Fracture/Fault Line Valley	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-77	25	Metal Road	Shale with sandstone/ limestone bands	Fracture/Fault Line Valley	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-78	20	Metal Road	Shale with sandstone/ limestone bands	Fracture/Fault Line Valley	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-79	20	Waste Land	Shale with sandstone/ limestone bands	Fracture/Fault Line Valley	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-80	32	Waste Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-81	34	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-82	38	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-83	34	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-84	34	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-85	36	Waste Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-86	25	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-87	31	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-88	24	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-89	36	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-90	39	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-91	42	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-92	48	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-93	48	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-94	51	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-95	52	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-96	58	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-97	72	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-98	75	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-99	75	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-100	64	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-101	64	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-102	68	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-103	73	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-104	74	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-105	77	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-106	79	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-107	76	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-108	77	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-109	85	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-110	87	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-111	88	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-112	91	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide

AP-113	94	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-114	87	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-115	86	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-116	76	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-117	77	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-118	77	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-119	68	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-120	68	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-121	76	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-122	74	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-123	80	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-124	82	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-125	86	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-126	89	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-127	88	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-128	89	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-129	86	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-130	88	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-131	87	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-132	88	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-133	88	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-134	89	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-135	92	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-136	93	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-137	89	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-138	89	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-139	86	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-140	81	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-141	83	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-142	82	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-143	78	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-144	80	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-145	83	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-146	81	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-147	81	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-148	81	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-149	83	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-150	85	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-151	91	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-152	84	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-153	83	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-154	75	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-155	74	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-156	68	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-157	58	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-158	66	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-159	67	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-160	63	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-161	67	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-162	64	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-163	60	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide

AP-164	60	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-165	54	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-166	54	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-167	54	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-168	57	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-169	53	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-170	56	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-171	56	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-172	57	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-173	51	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-174	52	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-175	51	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-176	46	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-177	41	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-178	42	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-179	36	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-180	35	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-181	38	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-182	43	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-183	46	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-184	41	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-185	43	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-186	42	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-187	39	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-188	39	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-189	42	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-190	44	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-191	42	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-192	43	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-193	37	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-194	36	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-195	25	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-196	27	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-197	31	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-198	38	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-199	45	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-200	48	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-201	50	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-202	45	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-203	50	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-204	50	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-205	56	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-206	56	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-207	56	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-208	59	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-209	61	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-210	56	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-211	59	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-212	58	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-213	60	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-214	63	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide

AP-215	69	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-216	77	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-217	87	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-218	87	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-219	88	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-220	86	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-221	81	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-222	75	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-223	72	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-224	72	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-225	71	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-226	69	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-227	64	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-228	61	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-229	59	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-230	59	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-231	61	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-232	55	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-233	50	Dense Reserve Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-234	49	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-235	43	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-236	38	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-237	37	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-238	38	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-239	38	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-240	35	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-241	25	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-242	25	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-243	27	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-244	27	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-245	26	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-246	30	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-247	30	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-248	30	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-249	43	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-250	49	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-251	46	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-252	45	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-253	39	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-254	33	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-255	26	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-256	28	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-257	33	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-258	30	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-259	30	Barren Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-260	22	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-261	25	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-262	25	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-263	23	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-264	19	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-265	11	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide

AP-266	12	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-267	18	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-268	17	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-269	16	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-270	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-271	18	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-272	18	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-273	21	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-274	25	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-275	31	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-276	25	Waste Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-277	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-278	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-279	28	Open Forest	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-280	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-281	29	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-282	29	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-283	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-284	25	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-285	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-286	20	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-287	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-288	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-289	13	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-290	14	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-291	13	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-292	15	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-293	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-294	22	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-295	15	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-296	17	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-297	13	Waste Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-298	18	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-299	23	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-300	17	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-301	16	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-302	15	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-303	15	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-304	21	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-305	21	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-306	25	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-307	27	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-308	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-309	33	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-310	33	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-311	28	Waste Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-312	27	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-313	27	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-314	30	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-315	29	Waste Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-316	23	Waste Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide

AP-317	28	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-318	25	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-319	25	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-320	25	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-321	19	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-322	23	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-323	19	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-324	26	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-325	29	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-326	27	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-327	31	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-328	31	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-329	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-330	41	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-331	37	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-332	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-333	40	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-334	45	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-335	51	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-336	50	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-337	53	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-338	51	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-339	50	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-340	52	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-341	41	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-342	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-343	24	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-344	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-345	23	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-346	21	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-347	22	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-348	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-349	20	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-350	22	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-351	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-352	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-353	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-354	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-355	30	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-356	27	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-357	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-358	24	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-359	21	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-360	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-361	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-362	26	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-363	31	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-364	43	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-365	38	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-366	33	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-367	33	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide

AP-368	28	Waste Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-369	33	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-370	35	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-371	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-372	32	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-373	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-374	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-375	29	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-376	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-377	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-378	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-379	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-380	31	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-381	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-382	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-383	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-384	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-385	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-386	23	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-387	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-388	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-389	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-390	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-391	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-392	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-393	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-394	32	Open Forest	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-395	35	Open Forest	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-396	39	Open Forest	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-397	32	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-398	26	Mud Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-399	27	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-400	32	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-401	39	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-402	44	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-403	37	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-404	42	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-405	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-406	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-407	29	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-408	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-409	34	Open Forest	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-410	41	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-411	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-412	38	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-413	36	Open Forest	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-414	38	Open Forest	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-415	41	Open Forest	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-416	31	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-417	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-418	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide

AP-419	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-420	29	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-421	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-422	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-423	41	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-424	48	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-425	45	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-426	35	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-427	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-428	35	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-429	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-430	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-431	34	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-432	37	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-433	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-434	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-435	29	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-436	27	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-437	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-438	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-439	27	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-440	28	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-441	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-442	27	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-443	31	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-444	36	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-445	31	Mud Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-446	34	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-447	31	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-448	31	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-449	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-450	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-451	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-452	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-453	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-454	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-455	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-456	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-457	33	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-458	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-459	38	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-460	38	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-461	33	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-462	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-463	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-464	42	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-465	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-466	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-467	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-468	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-469	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide

AP-470	30	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-471	27	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-472	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-473	33	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-474	29	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-475	27	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-476	27	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-477	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-478	37	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-479	37	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-480	31	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-481	37	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-482	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-483	31	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-484	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-485	38	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-486	34	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-487	42	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-488	36	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-489	42	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-490	44	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	High Landslide	None	Earthquake , Wind Strom and Landslide
AP-491	49	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-492	49	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-493	41	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-494	42	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-495	37	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-496	30	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-497	27	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-498	27	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-499	20	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-500	21	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-501	26	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-502	31	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-503	37	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-504	41	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-505	33	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-506	28	Barren Rocky with Scrub Land	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-507	32	Barren Rocky with Scrub Land	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-508	34	Barren Rocky with Scrub Land	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-509	35	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-510	28	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-511	33	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-512	31	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-513	31	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-514	33	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-515	35	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-516	38	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-517	31	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-518	29	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-519	22	Rubber Plantation	Shaly Sandstone	Fracture/Fault Line Valley	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-520	20	Rubber Plantation	Shaly Sandstone	Fracture/Fault Line Valley	Moderate Landslide	None	Earthquake , Wind Strom and Landslide

AP-521	22	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-522	25	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-523	24	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-524	23	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-525	23	Bricks Road	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-526	27	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-527	29	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-528	23	Tree Crops and Groves	Shaly Sandstone	Fracture/Fault Line Valley	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-529	20	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-530	21	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-531	22	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	Moderate Landslide	None	Earthquake , Wind Strom and Landslide
AP-532	22	Barren Rocky with Scrub Land	Shaly Sandstone	Fracture/Fault Line Valley	Moderate Landslide	None	Earthquake , Wind Strom and Landslide

Annexure B15

AP_NO	Ground Elevation of EP	EP Fall in Feature	Rocks Type	Rock Structure	Landslide Study	Flodd Study	Type of Agend for Hazard
AP - 1	41	Electric Substation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 2	41	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 3	41	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 4	34	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 5	32	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 6	32	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 7	31	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 8	26	Tree Crops/Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 9	26	Tree Crops/Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 10	28	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 11	34	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 12	24	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 13	29	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 14	22	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 15	26	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 16	25	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 17	22	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 18	23	Tree Crops/Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 19	25	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 20	22	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 21	19	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 22	20	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 23	28	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 24	33	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 25	32	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 26	34	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 27	30	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 28	34	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 29	30	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 30	33	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 31	37	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 32	30	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 33	28	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 34	29	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 35	33	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 36	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 37	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 38	19	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 39	20	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 40	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 41	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 42	18	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 43	18	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 44	16	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 45	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 46	19	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 47	30	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 48	32	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 49	28	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 50	27	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 51	28	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind

AP - 52	22	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 53	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 54	27	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 55	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 56	27	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 57	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 58	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 59	46	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 60	43	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 61	45	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 62	43	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 63	43	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 64	41	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 65	43	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 66	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 67	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 68	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 69	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 70	34	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 71	41	Tree Crops/Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 72	45	Tree Crops/Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 73	45	Tree Crops/Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 74	41	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 75	40	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 76	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 77	39	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 78	38	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 79	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 80	37	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 81	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 82	31	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 83	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 84	30	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 85	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 86	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 87	42	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 88	41	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 89	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 90	43	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 91	36	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 92	34	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 93	31	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 94	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 95	29	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 96	21	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 97	26	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 98	25	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 99	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 100	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 101	21	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 102	22	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 103	23	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind

AP - 104	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 105	16	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 106	16	Tree Crops/Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 107	18	Tree Crops/Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 108	18	Tree Crops/Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 109	19	Tree Crops/Groves	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 110	24	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 111	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 112	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 113	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 114	15	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 115	18	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 116	17	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 117	15	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 118	18	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 119	18	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 120	16	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 121	19	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 122	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 123	20	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 124	20	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 125	24	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 126	24	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 127	31	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 128	29	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 129	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 130	31	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 131	27	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 132	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 133	23	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 134	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 135	29	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 136	31	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 137	43	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 138	39	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 139	37	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 140	29	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 141	37	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 142	36	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 143	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 144	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 145	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 146	27	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 147	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 148	37	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 149	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 150	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 151	29	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 152	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 153	31	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 154	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 155	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind

AP - 156	23	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 157	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 158	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 159	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 160	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 161	43	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 162	47	Tree Crops/Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 163	53	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ┬û Shallow	Severe	None	Eartquake, High Landslide & Wind
AP - 164	50	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ┬û Shallow	Severe	None	Eartquake, High Landslide & Wind
AP - 165	39	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ┬û Shallow	Severe	None	Eartquake, High Landslide & Wind
AP - 166	38	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 167	41	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 168	42	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 169	50	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 170	51	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 171	52	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 172	61	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 173	63	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 174	72	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 175	69	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 176	66	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 177	72	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 178	68	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 179	70	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 180	75	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 181	78	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 182	74	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 183	73	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 184	70	Barren/Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 185	65	Barren/Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 186	62	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 187	66	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 188	69	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 189	72	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 190	68	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 191	51	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 192	55	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 193	45	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 194	41	Barren/Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 195	41	Barren/Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 196	40	Barren/Rocky with Scrub Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 197	32	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 198	28	Tree Crops/Groves	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 199	27	Tree Crops/Groves	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 200	25	Road Side Fallow Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 201	30	Road Side Fallow Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 202	34	Road Side Fallow Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 203	39	Road Side Fallow Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 204	43	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 205	0				Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 206	41	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 207	48	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind

AP - 208	44	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 209	40	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 210	39	Agriculture Land	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 211	39	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 212	37	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 213	37	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 214	35	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 215	36	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 216	37	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 217	43	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 218	46	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 219	46	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 220	47	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 221	54	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 222	56	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 223	51	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 224	51	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 225	32	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 226	29	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 227	30	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 228	34	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 229	43	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 230	52	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 231	52	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 232	64	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 233	59	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 234	68	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 235	68	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 236	78	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 237	75	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 238	74	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 239	87	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 240	90	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 241	89	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 242	92	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 243	94	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 244	98	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 245	101	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 246	102	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 247	102	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 248	100	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 249	98	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 250	98	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 251	98	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 252	100	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 253	104	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 254	103	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 255	115	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 256	118	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 257	110	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 258	109	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 259	105	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind

AP - 260	101	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 261	103	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 262	105	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 263	109	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 264	115	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 265	114	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 266	109	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 267	108	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 268	110	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 269	115	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 270	111	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 271	110	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 272	109	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 273	110	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 274	111	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 275	117	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 276	125	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 277	125	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 278	122	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 279	117	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 280	113	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 281	118	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 282	123	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 283	127	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 284	129	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 285	129	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 286	126	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 287	128	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 288	123	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 289	119	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 290	117	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 291	120	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 292	113	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 293	108	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 294	106	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 295	110	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 296	113	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 297	119	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 298	127	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 299	127	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 300	125	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 301	125	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 302	123	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 303	121	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 304	123	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 305	119	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 306	117	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 307	116	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 308	116	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 309	124	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 310	122	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 311	120	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind

AP - 312	119	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 313	113	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 314	112	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 315	101	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 316	101	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 317	102	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 318	0				Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 319	119	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 320	116	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 321	110	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 322	106	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 323	109	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 324	113	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 325	114	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 326	110	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 327	107	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 328	112	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 329	108	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 330	103	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 331	102	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 332	106	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 333	101	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 334	99	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 335	94	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 336	92	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 337	96	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 338	97	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 339	97	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 340	97	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 341	95	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 342	87	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 343	93	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 344	87	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 345	87	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 346	81	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 347	85	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 348	88	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 349	80	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 350	78	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 351	75	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 352	77	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 353	89	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 354	88	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 355	92	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 356	88	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 357	86	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 358	77	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 359	75	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 360	73	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 361	70	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 362	66	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 363	66	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind

AP - 364	61	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 365	62	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 366	75	Open Forest	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 367	76	Metal Road	Shale with sandstone/ limestone bands	Structural Hills-Moderately dissected	Severe	None	Eartquake, High Landslide & Wind
AP - 368	72	Open Forest	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 369	73	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 370	82	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 371	78	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 372	58	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 373	63	Open Forest	Sandstone/ pebble bed/ conglomerate	Valley Fill┬û Shallow	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 374	62	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 375	68	Open Forest	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 376	61	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 377	52	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 378	45	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 379	43	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 380	37	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 381	36	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 382	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 383	32	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 384	35	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 385	33	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 386	33	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 387	32	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 388	37	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 389	37	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 390	37	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 391	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 392	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 393	29	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 394	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 395	36	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 396	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 397	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 398	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 399	29	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 400	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 401	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 402	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 403	42	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind
AP - 404	42	Road Side Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Land Slide	Low Flood Prone	Eartquake, Low Flood, Low Landslide & Wind

Annexure B16

AP_NO	Ground Elevation of EP	EP Fall in Feature	Rock_Type	Rock_Type2	Landslide Study	Flood Study	Hazard Type
TAPPING POINT	31	Electric Substation	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-1	31	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-2	27	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-3	25	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-4	22	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-5	20	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-6	21	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-7	28	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-8	28	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-9	28	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-10	31	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-11	25	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-12	25	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-13	21	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-14	24	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-15	23	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-16	25	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-17	20	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-18	20	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-19	21	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-20	16	Waste Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-21	16	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-22	22	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-23	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-24	29	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-25	23	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-26	23	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-27	27	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-28	27	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-29	31	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-30	32	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-31	32	Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-32	28	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-33	26	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-34	30	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-35	31	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-36	31	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-37	32	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-38	24	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-39	30	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-40	19	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-41	22	Vacant Land	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-42	20	Metal Road	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-43	17	Agriculture Land	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-44	14	Agriculture Land	Shaly Sandstone	Valley Fill ├éΓÇô Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood

AP-45	15	Agriculture Land	Shaly Sandstone	Valley Fill	├éΓÇô Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-46	18	Agriculture Land	Shaly Sandstone	Valley Fill	├éΓÇô Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-47	15	Metal Road	Shaly Sandstone	Valley Fill	├éΓÇô Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-48	22	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-49	19	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-50	17	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-51	13	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-52	20	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-53	25	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-54	25	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-55	20	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-56	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-57	30	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-58	31	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-59	26	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-60	26	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-61	26	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-62	24	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-63	21	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-64	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-65	20	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-66	18	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-67	21	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-68	17	Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-69	15	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-70	21	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-71	21	Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-72	19	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-74	20	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-75	18	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-76	18	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-77	14	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-78	27	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-79	28	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-80	29	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-81	31	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-82	24	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-83	27	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-84	31	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-85	26	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-86	30	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-87	26	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-88	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-89	25	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-90	27	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-91	27	Metal Road	Shaly Sandstone	Valley Fill	├éΓÇô Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood

AP-92	24	Agriculture Land	Shaly Sandstone	Valley Fill ÷éΓÇô Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-93	19	Metal Road	Shaly Sandstone	Valley Fill ÷éΓÇô Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-94	22	Metal Road	Shaly Sandstone	Valley Fill ÷éΓÇô Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-95	16	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-96	14	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-97	17	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-98	16	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-99	17	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-100	21	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-101	20	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-102	20	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-103	17	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-104	15	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-105	18	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-106	20	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-107	21	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-108	21	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-109	25	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-110	25	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-111	21	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-112	22	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-113	22	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-114	17	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-115	17	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-116	23	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-117	26	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-118	32	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-119	27	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-120	26	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-121	30	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-122	29	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-123	11	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-124	11	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-125	15	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-126	20	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-127	25	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-128	21	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-129	21	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-130	14	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-131	13	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-132	14	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-133	12	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-134	16	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-135	17	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-136	19	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-137	18	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood

AP-138	14	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-139	21	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-140	21	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-141	25	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-142	22	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-143	21	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-144	22	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-145	26	Fallow Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-146	24	Fallow Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-147	24	Fallow Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-148	19	Fallow Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-149	18	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-150	18	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-151	17	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-152	16	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-153	20	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-154	17	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-155	17	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-156	17	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-157	18	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-158	19	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-159	17	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-160	19	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-161	18	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-162	11	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-163	20	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-164	27	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-165	27	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-166	32	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-167	27	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-168	21	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-169	18	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-170	20	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-171	17	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-172	16	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-173	23	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-174	25	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-175	23	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-176	19	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-177	15	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-178	15	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-179	15	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-180	12	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-181	14	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-182	18	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-183	27	Tree Crops and Groves	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood

AP-184	26	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-185	21	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-186	22	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-187	19	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-188	18	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-189	15	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-190	16	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-191	19	Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-192	20	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-193	18	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-194	15	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-195	15	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-196	12	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-197	14	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-198	14	Mud Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-199	14	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-200	15	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-201	15	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-202	13	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-203	15	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-204	13	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-205	9	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-206	10	Barren Rocky with Scrub Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-207	11	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-208	13	Barren Rocky with Scrub Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-209	14	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-210	16	Barren Rocky with Scrub Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-211	22	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-212	21	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-213	24	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-214	22	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-215	22	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-216	11	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-217	12	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-218	12	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-219	11	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-220	17	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-221	17	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-222	16	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-223	19	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-224	14	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-225	16	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-226	13	Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-227	12	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-228	14	Vacant Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-229	13	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood

AP-230	17	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-231	16	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-232	19	Barren Rocky with Scrub Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-233	15	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-234	14	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-235	18	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-236	12	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-237	14	Barren Rocky with Scrub Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-238	16	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-239	23	Barren Rocky with Scrub Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-240	24	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-241	22	Fallow Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-242	19	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-243	16	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-244	17	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-245	20	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-246	20	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-247	27	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-248	25	Agriculture Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-249	19	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-250	16	Metal Road	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-251	27	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-252	20	Vacant Land	Shaly Sandstone	Alluvial Younger Shallow	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-253	23	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-254	29	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-255	34	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-256	35	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-257	24	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-258	20	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-259	16	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-260	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-261	24	Water Logged Area	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-262	23	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-263	24	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-264	19	Water Logged Area	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-265	19	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-266	22	Tree Crops and Groves	Shaly Sandstone	Fracture/Fault Line Valley	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-267	21	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-268	21	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-269	27	Tree Crops and Groves	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-270	26	Fallow Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-271	26	Agriculture Land	Shaly Sandstone	Fracture/Fault Line Valley	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-272	24	Rubber Plantation	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-273	27	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-274	26	Agriculture Land	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-275	24	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood

AP-276	20	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-277	19	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-278	24	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-279	23	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-280	22	Metal Road	Shaly Sandstone	Denudational Hills-Less dissected	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-281	22	Metal Road	Shaly Sandstone	Fracture/Fault Line Valley	None	High Flood Prone Area	Earthquake, Wind Storm and Flood
AP-282	22	Electric Substation	Shaly Sandstone	Fracture/Fault Line Valley	None	High Flood Prone Area	Earthquake, Wind Storm and Flood

Annexure B17

AP_No	Ground Elevation Of EP	EP Fall in Feature	Rock_Type	Rock_Type2	Landslide Study	Flood Study	Hazard Type
AP-1	32	Electric Substation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-2	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-3	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-4	37	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-5	42	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-6	50	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-7	50	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-8	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-9	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-10	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-11	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-12	35	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-13	39	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-14	44	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-15	45	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-16	42	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-17	52	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-18	46	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-19	34	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-20	33	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-21	31	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-22	26	Fallow Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-23	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-24	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-25	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-26	17	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-27	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-28	22	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-29	23	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-30	26	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-31	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-32	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-33	23	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-34	26	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-35	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-36	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-37	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-38	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-39	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-40	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-41	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-42	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-43	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-44	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-45	19	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-46	21	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-47	21	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-48	23	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-49	17	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-50	20	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-51	22	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-52	19	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-53	26	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-54	31	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-55	31	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-56	21	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-57	25	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide

AP-58	28	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-59	24	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-60	21	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-61	24	Mud Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-62	24	Mud Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-63	24	Mud Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-64	24	Mud Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-65	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-66	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-67	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-68	26	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-69	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-70	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-71	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-72	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-73	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-74	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-75	21	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-76	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-77	18	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-78	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-79	20	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-80	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-81	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-82	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-83	18	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-84	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-85	15	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-86	17	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-87	16	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-88	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-89	13	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-90	18	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-91	18	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill │éΓÇô Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-92	18	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill │éΓÇô Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-93	20	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-94	18	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Valley Fill │éΓÇô Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-95	19	Tree Crops and Groves				Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-96	17	Metal Road				Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-97	18	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Valley Fill │éΓÇô Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-98	22	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Valley Fill │éΓÇô Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-99	21	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Valley Fill │éΓÇô Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-100	22	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-101	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-102	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-103	23	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-104	21	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-105	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-106	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-107	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-108	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-109	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-110	14	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-111	12	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-112	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-113	18	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-114	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-115	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood

AP-116	16	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-117	10	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-118	10	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-119	10	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-120	13	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-121	15	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-122	16	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-123	16	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-124	17	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-125	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-126	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-127	24	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-128	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-129	33	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-130	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-131	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-132	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-133	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-134	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-135	16	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-136	16	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-137	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-138	18	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-139	13	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-140	16	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-141	24	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-142	24	Bricks Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-143	23	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-144	25	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-145	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-146	18	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-147	14	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-148	14	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-149	17	Vacant Land				Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-150	16	Metal Road				Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-151	18	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-152	22	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-153	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-154	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-155	23	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-156	23	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-157	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-158	24	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-159	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-160	28	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-161	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-162	23	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-163	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-164	19	Vacant Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-165	18	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-166	17	Fallow Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-167	17	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-168	16	Vacant Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-169	18	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-170	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-171	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-172	20	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-173	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood

AP-174	16	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-175	16	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-176	18	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-177	19	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-178	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-179	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-180	17	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-181	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-182	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-183	24	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-184	27	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-185	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-186	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-187	23	Vacant Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-188	28	Vacant Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-189	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-190	17	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-191	16	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-192	14	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-193	13	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-194	11	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-195	12	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-196	14	Mud Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-197	13	Vacant Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-198	13	Vacant Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-199	16	Vacant Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-200	16	Vacant Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-201	13	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-202	12	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-203	14	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-204	10	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-205	9	Fallow Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-206	12	Fallow Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-207	12	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-208	15	Vacant Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-209	12	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-210	17	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-211	15	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-212	16	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-213	11	Waste Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-214	11	Waste Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-215	10	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-216	10	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-217	14	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-218	15	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-219	13	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-220	12	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-221	12	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-222	12	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-223	9	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-224	15	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-225	18	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-227	19	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-228	23	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-229	23	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-230	21	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-231	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-232	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood

AP-233	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-234	16	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-235	13	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-236	13	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-237	16	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-238	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-239	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-240	22	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-241	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-242	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-243	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-244	26	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-245	26	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-246	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-247	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-248	27	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-249	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-250	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-251	15	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected		Moderate Flood Prone Area	Earthquake, Wind storm and Flood
AP-252	10	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-253	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-254	20	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-255	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-256	18	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-257	16	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-258	12	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-259	12	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-260	13	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-261	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-262	24	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-263	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-264	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-265	13	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-266	10	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-267	17	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-268	15	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-269	14	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-270	15	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-271	11	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-272	14	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-273	12	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-274	7	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-275	9	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-276	10	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-277	14	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓçô Shallow	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-278	11	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓçô Shallow	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide
AP-279	12	Barren Rocky with Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind storm and Low Landslide

Annexure B18

AP_No	Ground Elevation Of EP	EP Fall in Feature	Rock_Type	Rock_Type2	Landslide Study	Flood Study	Hazard Type
BAY	38	Electric Substation	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-1	33	Vacant Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-2	26	Vacant Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-3	39	Waste Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-4	36	Waste Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-5	30	Brick kilns/Quarry	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-6	27	Vacant Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-7	30	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-8	31	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-9	32	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-10	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-11	30	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-12	31	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-13	36	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-14	37	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-15	37	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-16	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-17	23	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-18	31	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-19	41	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-20	44	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-21	42	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-22	34	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-23	34	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-24	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-25	34	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-26	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-27	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-28	34	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-29	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-30	27	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-31	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-32	29	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-33	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-34	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-35	27	Vacant Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-36	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-37	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-38	24	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-39	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-40	29	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-41	32	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-42	35	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-43	33	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-44	31	Vacant Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-45	35	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-46	31	Waste Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-47	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-48	31	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-49	31	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-50	40	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-51	54	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-52	34	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide

AP-53	38	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-54	51	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-55	51	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-56	58	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-57	57	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-58	54	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-59	43	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-60	43	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-61	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-62	42	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-63	42	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-64	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-65	36	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-66	45	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-67	48	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-68	47	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-69	44	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-70	39	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-71	37	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-72	37	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-73	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-74	35	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-75	40	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-76	41	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-77	41	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-78	41	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-79	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-80	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-81	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-82	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-83	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-84	44	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-85	43	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-86	47	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-87	36	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-88	36	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-89	30	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-90	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-91	37	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-92	43	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-93	45	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-94	44	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-95	44	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-96	46	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-97	49	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-98	47	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-99	45	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-100	44	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-101	46	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-102	48	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-103	41	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-104	41	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-105	39	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-106	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide

AP-107	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-108	31	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-109	35	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-110	39	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-111	44	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-112	44	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-113	48	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-114	49	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-115	49	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-116	47	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-117	50	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-118	52	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-119	45	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-120	36	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-121	36	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-122	31	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-124	28	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-125	31	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-126	37	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-127	37	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-128	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-129	42	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-130	33	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-131	30	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-132	29	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-133	29	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-134	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-135	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-136	30	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-137	33	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-138	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-139	45	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-140	43	Fallow Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-141	45	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-142	37	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-143	39	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-144	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-144/A	32	Vacant Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-145	30	Vacant Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-146	34	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-147	34	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-148	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-149	37	Vacant Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-150	39	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-151	37	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-152	33	Fallow Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-153	25	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-154	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-155	26	Waste Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-156	31	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-157	35	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-158	43	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-159	48	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-160	46	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide

AP-161	43	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-162	44	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-163	42	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-164	49	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-165	47	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-166	53	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-167	45	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-168	41	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-169	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-170	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-171	31	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-172	31	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-173	28	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-174	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-175	39	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-176	37	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-177	37	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-178	35	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-179	32	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-180	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-181	31	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-182	25	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-183	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-184	35	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-185	32	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-186	35	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-187	41	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-188	41	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-189	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-190	31	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-191	31	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-192	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-193	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-194	26	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-195	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-196	27	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-197	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-198	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-199	44	Bricks Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-200	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-201	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-202	33	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-203	32	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-204	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-205	33	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-206	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-207	30	Fallow Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-208	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-209	23	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-210	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-211	21	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-212	17	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-213	17	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-214	27	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood

AP-215	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-216	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-217	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-218	40	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-219	40	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-220	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-221	49	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-222	49	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-223	50	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-224	47	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-225	44	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-226	44	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-227	45	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-228	46	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-229	49	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-230	51	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-231	46	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-232	44	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-233	46	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-234	46	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-235	43	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-236	37	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-237	31	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-238	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-239	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-240	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-241	20	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-242	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-243	20	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-244	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-245	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-246	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-247	17	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-248	17	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-249	16	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-250	19	Fallow Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-251	23	Fallow Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-252	24	Fallow Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-253	28	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-254	26	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-255	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-256	26	Fallow Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-257	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-258	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-259	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-260	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-261	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-262	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-263	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-264	31	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-265	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-266	31	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-267	30	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-268	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide

AP-269	29	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-270	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-271	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-272	29	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-273	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-274	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-275	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-276	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-277	19	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-278	18	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-279	22	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éŕÇô Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-280	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éŕÇô Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-281	20	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éŕÇô Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-282	22	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-283	22	Vacant Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-284	23	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-285	26	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-286	28	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-287	28	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-288	25	Fallow Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-289	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-290	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-291	18	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-292	17	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-293	19	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-294	16	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-295	14	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-296	16	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-297	14	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-298	16	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-299	17	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-300	18	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-301	18	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-302	21	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-303	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-304	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-305	27	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-306	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-307	29	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-308	37	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-309	35	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-310	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-311	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-312	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-313	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-314	19	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-315	18	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-316	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-317	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-318	22	Vacant Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-319	13	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-320	12	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-321	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-322	19	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood

AP-323	18	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-324	14	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-325	16	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-326	15	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-327	14	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-328	14	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-329	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-330	19	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	Low Flood Prone Area	Low Flood Prone Area	Earthquake, Wind Storm and Low Flood
AP-331	17	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-332	21	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-333	23	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-334	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm and Very low Landslide
AP-335	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-336	20	Bricks Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-337	21	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-338	21	Bricks Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-339	22	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-340	23	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-341	30	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm and Very low Landslide
AP-342	24	Bricks Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-343	26	Bricks Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-344	27	Bricks Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-345	30	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-346	30	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-347	35	Bricks Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-348	30	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-349	30	Bricks Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-350	25	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-351	25	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-352	28	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-353	32	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-354	33	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-355	30	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-356	30	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-357	30	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-358	37	Tree Crop and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-359	29	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-360	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-361	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-362	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-363	29	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-364	28	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-365	35	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-366	41	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-367	50	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-368	40	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-369	37	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-370	37	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-371	33	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-372	33	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-373	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-374	37	Waste Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-375	37	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide
AP-376	36	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide

AP-377	32	Rubber Plantation/Orchards	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	Very Low Landslide	None	Earthquake, Wind Storm and Very low Landslide

Annexure B19

AP_NO	Ground Elevation Of EP	EP Fall in Feature	Rock_Type	Rock_Type2	Landslide Study	Flood Study	Hazard Type
1	37	Electric Substation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
2	31	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
3	28	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
4	33	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Flood Prone Area	Earthquake, Wind Storm and Flood
5	21	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
6	22	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
7	23	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
8	21	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
9	20	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
10	19	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
11	18	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
12	18	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
13	13	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
14	15	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
15	16	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
16	15	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
17	16	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
18	21	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
19	20	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
20	16	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
21	15	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
22	13	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
23	13	Fallow Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
24	19	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
25	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
26	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
27	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
28	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
29	36	Vacant Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
30	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
31	29	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
32	22	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
33	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
34	16	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
35	13	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
36	14	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
37	22	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
38	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
39	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
40	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
41	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
42	27	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
43	27	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	None	Earthquake, Wind Storm
44	29	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	None	Earthquake, Wind Storm
45	29	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
46	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
47	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
48	38	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
49	40	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm

50	46	Tree Crops and Groves	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
51	44	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
52	41	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
53	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	None	Earthquake, Wind Storm
54	26	Vacant Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	None	Earthquake, Wind Storm
55	26	Vacant Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
56	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
57	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
58	38	Vacant Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
59	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
60	28	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Flood Prone Area	Earthquake, Wind Storm and Flood
61	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
62	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
63	42	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
64	48	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
65	48	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
66	42	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
67	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
68	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
69	27	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
70	27	Vacant Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
71	26	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Flood Prone Area	Earthquake, Wind Storm and Flood
72	33	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Flood Prone Area	Earthquake, Wind Storm and Flood
73	31	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Flood Prone Area	Earthquake, Wind Storm and Flood
74	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Flood Prone Area	Earthquake, Wind Storm and Flood
75	34	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Flood Prone Area	Earthquake, Wind Storm and Flood
76	34	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Flood Prone Area	Earthquake, Wind Storm and Flood
77	28	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Flood Prone Area	Earthquake, Wind Storm and Flood
78	28	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Flood Prone Area	Earthquake, Wind Storm and Flood
79	25	Vacant Land	Sandstone/ pebble bed/ conglomerate	Valley Fill ├éΓÇô Shallow	None	None	Earthquake, Wind Storm
80	26	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
81	28	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
82	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
83	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
84	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Flood Prone Area	Earthquake, Wind Storm and Flood
85	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Flood Prone Area	Earthquake, Wind Storm and Flood
86	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Flood Prone Area	Earthquake, Wind Storm and Flood
87	27	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Flood Prone Area	Earthquake, Wind Storm and Flood
88	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Flood Prone Area	Earthquake, Wind Storm and Flood
89	31	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Flood Prone Area	Earthquake, Wind Storm and Flood
90	22	Barren Rocky With Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
91	22	Barren Rocky With Scrub Land	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
92	20	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
93	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
94	43	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Flood Prone Area	Earthquake, Wind Storm and Flood
95	42	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	Flood Prone Area	Earthquake, Wind Storm and Flood
96	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
97	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
98	37	Metal Road	Sandstone/ pebble bed/ conglomerate	Structural Hills-Moderately dissected	None	None	Earthquake, Wind Storm
99	43	Vacant Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm

100	39	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
101	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
102	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
103	39	Barren Rocky With Scrub Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
104	31	Barren Rocky With Scrub Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm
105	26	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm
106	29	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm
107	32	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm
108	30	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm
109	34	Agriculture Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm
110	36	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm
111	43	Barren Rocky With Scrub Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm
112	41	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm
113	39	Vacant Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm
114	34	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm
115	29	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm
116	37	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
117	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
118	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
119	25	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
120	24	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
121	32	Rubber Plantation	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
122	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
123	29	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
124	25	Barren Rocky With Scrub Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
125	40	Barren Rocky With Scrub Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
126	40	Barren Rocky With Scrub Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	Flood Prone Area	Earthquake, Wind Storm and Flood
127	38	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm
128	32	Barren Rocky With Scrub Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm
129	30	Bricks Kilns/Quarry	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm
130	35	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm
131	33	Metal Road	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm
132	26	Barren Rocky With Scrub Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm
133	27	Bricks Kilns/Quarry	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm
134	40	Fallow Land	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm
135	37	Electric Substation	Sandstone/ pebble bed/ conglomerate	Alluvial Younger Shallow	None	None	Earthquake, Wind Storm

Appendix A

Environmental Monitoring Reports

A. Water Quality Reports:

MATERIAL TESTING LABORATORY & QUALITY MANACEMENT CENTRE

TEST RESULTS OF WATER SAMPLE (SATCHAND S/S)

Source : Work Site

Date of sampling : 08.01.18

I/Mark : NEAGT/NERPSIP-3000/water/2

Period of testing : 09.01.18 to 12.01.18

Physical Parameters:

Sl. No.	Characteristic	Method of test	Results	Drinking water specification as per IS 10500 :2012
1.	Colour	IS 3025 (Pt- 4)	Nil	5
2.	pH	IS 3025 (Pt- 11)	6.7	6.5 - 8.5
3.	Taste	IS 3025 (Pt- 7 & 8)	Unobjectionable	Agreeable
4.	Smell	IS 3025 (Pt- 5)	Nil	Agreeable
5.	Total solids	IS 3025 (Pt- 16)	48 mg/l	500 mg/l
6.	Suspended Solid	IS 3025 (Pt- 16)	24 mg/l	–
7.	Dissolved solids	IS 3025 (Pt- 16)	25 mg/l	–

Chemical Parameters

Sl. No.	Characteristic	Method of test	Results	Drinking water specification as per IS 10500 :2012
1	Alkalinity	IS 3025 (Pt - 23)	43 mg/l as $CaCO_3$	200 mg/L Max
2	Acidity	IS 3025 (Pt - 22)	32 mg/l as $CaCO_3$	–
3	Chloride	IS 3025 (Pt - 32)	37 mg/l as $CaCO_3$	250 mg/L Max
4	Hardness	IS 3025 (Pt - 21)	43 mg/l as $CaCO_3$	200 mg/L Max
5	Fluoride	IS 3025 (Pt - 60)	0.5 mg/l	1.0 mg/L Max
6	Nitrate	IS 3025 (Pt - 34)	Nil	45 mg/L Max
7	Iron	IS 3025 (Pt - 53)	0.1 mg/l	0.3 mg/L Max
8	Sulphate	IS 3025 (Pt - 24)	Trace	200 mg/L Max

Inference: Water is suitable for drinking purpose. It is advised to use small dose of lime to increase pH value.

End of report

Authorized Signatory
Authorized Signatory
Material Testing Laboratory & Quality Management Centre

Page 3 of 3

Testing Officer
Testing Officer
MTL & QMC

MTL & QMC, Sib-bari Road, Athalbari, P.O. Ghungoor (SMC), Silchar-788 014, Dist. Cachar, Assam
Tel & Fax : 03842-224572 :: M : 9435503592 :: e-mail: mr.nikhileshpaul@rediffmail.com

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MATERIAL TESTING LABORATORY & QUALITY MANACEMENT CENTRE

TEST RESULTS OF WATER SAMPLE (BELONIA S/S)

Source: Work site

Date of sampling: 08.01.18

I/Mark: NEAGT/NERPSIP-3000/water/1

Period of testing: 09.01.18 to 12.01.18

Physical Parameters:

Sl. No.	Characteristic	Method of test	Results	Drinking water specification as per IS 10500 :2012
1.	Colour	IS 3025 (Pt- 4)	Nil	5
2.	pH	IS 3025 (Pt- 11)	6.4	6.5 - 8.5
3.	Taste	IS 3025 (Pt- 7 & 8)	Nil	Agreeable
4.	Smell	IS 3025 (Pt- 5)	Nil	Agreeable
5.	Total solids	IS 3025 (Pt- 16)	44 mg/l	500 mg/l
6.	Suspended Solid	IS 3025 (Pt- 16)	24 mg/l	–
7.	Dissolved solids	IS 3025 (Pt- 16)	20 mg/l	–

Chemical Parameters

Sl. No.	Characteristic	Method of test	Results	Drinking water specification as per IS 10500 :2012
1	Alkalinity	IS 3025 (Pt - 23)	48 mg/l as $CaCO_3$	200 mg/l, Max
2	Acidity	IS 3025 (Pt - 22)	34 mg/l as $CaCO_3$	–
3	Chloride	IS 3025 (Pt - 32)	42 mg/l as $CaCO_3$	250 mg/l, Max
4	Hardness	IS 3025 (Pt - 21)	45 mg/l as $CaCO_3$	200 mg/l, Max
5	Fluoride	IS 3025 (Pt - 60)	0.2 mg/l	1.0 mg/l, Max
6	Nitrate	IS 3025 (Pt - 34)	Nil	45 mg/l, Max
7	Iron	IS 3025 (Pt - 53)	0.12 mg/l	0.3 mg/l, Max
8	Sulphate	IS 3025 (Pt - 24)	Trace	200 mg/l, Max

Inference: Water is suitable for drinking purpose. It is advised to use small dose of lime to increase pH value.

Testing Officer
Testing Officer
MTL & QMC

Page 2 of 3

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MATERIAL TESTING LABORATORY & QUALITY MANACEMENT CENTRE

TEST RESULTS OF WATER SAMPLE (BAGAFA S/S)

Source: Work site

Date of sampling: 15.02.18

I/Mark: NEAGT/NERPSIP-350/water/1

Period of testing: 16.02.18 to 20.02.18

Physical Parameters:

Sl. No.	Characteristic	Method of test	Results	Drinking water specification as per IS 10500 :2012
1.	Colour	IS 3025 (Pt- 4)	Nil	5
2.	pH	IS 3025 (Pt- 11)	6.6	6.5 - 8.5
3.	Taste	IS 3025 (Pt- 7 & 8)	Nil	Agreeable
4.	Smell	IS 3025 (Pt- 5)	Nil	Agreeable
5.	Total solids	IS 3025 (Pt- 16)	42 mg/l	500 mg/l
6.	Suspended Solid	IS 3025 (Pt- 16)	20 mg/l	–
7.	Dissolved solids	IS 3025 (Pt- 16)	22 mg/l	–

Chemical Parameters

Sl. No.	Characteristic	Method of test	Results	Drinking water specification as per IS 10500 :2012
1	Alkalinity	IS 3025 (Pt - 23)	46 mg/l as $CaCO_3$	200 mg/l, Max
2	Acidity	IS 3025 (Pt - 22)	36 mg/l as $CaCO_3$	–
3	Chloride	IS 3025 (Pt - 32)	45 mg/l as $CaCO_3$	250 mg/l, Max
4	Hardness	IS 3025 (Pt - 21)	48 mg/l as $CaCO_3$	200 mg/l, Max
5	Fluoride	IS 3025 (Pt - 60)	0.1 mg/l	1.0 mg/l, Max
6	Nitrate	IS 3025 (Pt - 34)	Nil	45 mg/l, Max
7	Iron	IS 3025 (Pt - 53)	0.14 mg/l	0.3 mg/l, Max
8	Sulphate	IS 3025 (Pt - 24)	Trace	200 mg/l, Max

Inference: Water is suitable for drinking purpose. It is advised to use small dose of lime to increase pH value.

Testing Officer
Testing Officer
MTL & QMC

Page 2 of 3

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MATERIAL TESTING LABORATORY & QUALITY MANACEMENT CENTRE

Format No. MTL/F 30/15

TEST RESULTS OF WATER SAMPLE (UDAIPUR EXTN. S/S)

Source: Work site

Sample supplied: 1 Sealed bottle

Date of sampling: 07.04.18

Period of testing: 08.04.18 to 12.04.18

I/Mark: NEAGT/NERPSIP-350/water/1

Physical Parameters:

Sl. No.	Characteristic	Method of test	Results	Drinking water specification as per IS 10500 :2012
1.	Colour	IS 3025 (Pt- 4)	Nil	5
2.	pH	IS 3025 (Pt- 11)	6.7	6.5 - 8.5
3.	Taste	IS 3025 (Pt- 7 & 8)	Nil	Agreeable
4.	Smell	IS 3025 (Pt- 5)	Nil	Agreeable
5.	Total solids	IS 3025 (Pt- 16)	46 mg/l	500 mg/l
6.	Suspended Solid	IS 3025 (Pt- 16)	24 mg/l	-
7.	Dissolved solids	IS 3025 (Pt- 16)	22 mg/l	-

Chemical Parameters

Sl. No.	Characteristic	Method of test	Results	Drinking water specification as per IS 10500 :2012
1	Alkalinity	IS 3025 (Pt - 23)	45 mg/l as $CaCO_3$	200 mg/l, Max
2	Acidity	IS 3025 (Pt - 22)	36 mg/l as $CaCO_3$	-
3	Chloride	IS 3025 (Pt - 32)	48 mg/l as $CaCO_3$	250 mg/l, Max
4	Hardness	IS 3025 (Pt - 21)	46 mg/l as $CaCO_3$	200 mg/l, Max
5	Fluoride	IS 3025 (Pt - 60)	0.1 mg/l	1.0 mg/l, Max
6	Nitrate	IS 3025 (Pt - 34)	Nil	45 mg/l, Max
7	Iron	IS 3025 (Pt - 53)	0.13 mg/l	0.3 mg/l, Max
8	Sulphate	IS 3025 (Pt - 24)	Trace	200 mg/l, Max

Inference: Water is suitable for drinking purpose. It is advised to use small dose of lime to increase pH value.

Testing Officer
Testing Officer
MTL & QMC

Page 2 of 3

MTL & QMC, Sib-bari Road, Athalbasti, P.O. Ghungoor (SMC), Silchar-788 014, Dist. Cachar, Assam
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MATERIAL TESTING LABORATORY & QUALITY MANAGEMENT CENTRE

TEST RESULTS OF WATER SAMPLE (SABROOM S/S)

Source : Work Site
Date of sampling : 23.06.18

I/Mark : NEAGT/NERPSIP-350/water/1
Period of testing : 25.06.18 to 27.06.18

Physical Parameters:

Sl. No.	Characteristic	Method of test	Results	Drinking water specification as per IS 10500 :2012
1.	Colour	IS 3025 (Pt- 4)	Nil	5
2.	pH	IS 3025 (Pt- 11)	6.8	6.5 - 8.5
3.	Taste	IS 3025 (Pt- 7 & 8)	Nil	Agreeable
4.	Smell	IS 3025 (Pt- 5)	Nil	Agreeable
5.	Total solids	IS 3025 (Pt- 16)	47 mg/l	500 mg/l
6.	Suspended Solid	IS 3025 (Pt- 16)	22 mg/l	–
7.	Dissolved solids	IS 3025 (Pt- 16)	25 mg/l	–

Chemical Parameters

Sl. No.	Characteristic	Method of test	Results	Drinking water specification as per IS 10500 :2012
1	Alkalinity	IS 3025 (Pt - 23)	41 mg/l as $CaCO_3$	200 mg/l, Max
2	Acidity	IS 3025 (Pt - 22)	34 mg/l as $CaCO_3$	–
3	Chloride	IS 3025 (Pt - 32)	40 mg/l as $CaCO_3$	250 mg/l, Max
4	Hardness	IS 3025 (Pt - 21)	45 mg/l as $CaCO_3$	200 mg/l, Max
5	Fluoride	IS 3025 (Pt - 60)	0.1 mg/l	1.0 mg/l, Max
6	Nitrate	IS 3025 (Pt - 34)	Nil	45 mg/l, Max
7	Iron	IS 3025 (Pt - 53)	0.10 mg/l	0.3 mg/l, Max
8	Sulphate	IS 3025 (Pt - 24)	Trace	200 mg/l, Max

Inference: Water is suitable for drinking purpose. It is advised to use small dose of lime to increase pH value.

Authorised Signatory
Authorised Signatory
Material Testing Laboratory & Quality Management Centre

Testing Officer
Testing Officer
MTL & QMC

Page 2 of 2

MTL & QMC, Sib-bari Road, Athalbasti, P.O. Ghungoor (SMC), Silchar-788 014, Dist. Cachar, Assam Tel & Fax : 03842-224572 :: e-mail: ms.nikhileshpaul@rediffmail.com

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Received S.I. No. 501
dtd. 16/10/2018

REGISTERED OFFICE

TECHNOFAB ENGINEERING LIMITED

Letter Ref. no.: PGCIL/DMS04/Technofab/2018-19/ Date: Oct 16, 2018

To,
The Deputy General Manager,
Powergrid Corporation of India Limited
Ramnagar-6 (7th Crossing)
Agartala 799002

Kind Attn.: Shri S. J. Singh

NOA No.: CC-CS/06-NER/REW-2987/1/G2/NOA-I&II/7147&7148 DT: Feb 27,2017 (DMS 04)

Subject: Reason for not testing of drinking water supplied to the workers & staff at all sites

Dear Sir,

This is for your kind information that, we are purchasing 20 liter package drinking Water available in the market and supplying them to all worker and staff at the site. Therefore we are not testing the drinking water which is supplied to them. We are enclosing the bills of drinking water that is supplied to all the workers and staffs.

Thank you and assuring you the best service ever.

For Technofab Engineering Limited

16/10/18

M K RAI
(Astt. General Manager)

20/10/18

24/10/2018

Encl.: The bills of the mineral water that is supplied to the workers and staffs in the sites.

COMPANY, ENGINEERING & PROJECT OFFICE

B. Noise Monitoring – Jan to March 2020

SPML
Engineering Life

Ref. No: SPML/0216/OC-242 TO 247/A-01/TRIPURA /UDP- 141 Date: 02/05/2020

To

SR. General Manager
Power Grid Corporation of India Ltd.,
Ramnagar – 6th Lane, 3rd Crossing,
Agartala, Tripura (West) – 799002

Ref. No. :
1. CC-CS/86-NER/SS-2651/1/G1/CA-I/7070 Dated: 02.12.2016
2. CC-CS/86-NER/SS-2651/1/G1/CA-II/7071, Dated: 02.12.2016
3.CC-CS/86-NER/SS-2652/1/G1/CA-I/7072, Dated: 02.12.2016
4.CC-CS/86-NER/SS-2652/1/G1/CA-II/7073, Dated: 02.12.2016

Subject: Submission of EHS Noise test Records of NERPSIP Sub-station Tripura.

Dear Sir,

With reference to the above subject, we are here by submitting documents related to EHS Noise test report as per safety plan the details of month mention below for respective site. This is for your acceptance.

Details of Noise report submission

SL NO	NAME OF SUB-STATION	JAN-2020	FEB-2020	MARCH-2020
1	UDAIPUR	YES	YES	YES
2	AMARPUR	NO	NO	NO
3	BELONIA	YES	YES	YES
4	BAGAFA	YES	YES	NO
5	SABROOM	YES	YES	YES
6	SATCHAND	YES	YES	YES

Thanking you and assuring you our best services at all times.

Yours faithfully

SPML INFRA LTD. TRIPURA

For SPML Infra Limited
(Authorized Signatory)

SPML INFRA LIMITED
CIN : L40108DL1981PLC012228
22, Camac Street, Block - A, 3rd Floor, Kolkata - 700 016
Tel : 91-033-4009 1200, Fax No. : 033- 4009 1303
E-mail : info@spml.co.in, Website : www.spml.co.in
Regd. Office : F-27/2, Okhla Industrial Area, Phase II
New Delhi 110020

ISO 9001

SPML Engineering Life

C/O: Power Grid Corporation of India Limited

Noise Test Report

(132/33/11)KV Sub-Station:- UDAIPUR Month:- [illegible] JAN 2020

Sl.No. / Week	Noise Reading: Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area With Heavy Machines	Total Average Reading	Remarks
1ST	—	—	—	—	—	—	
2ND	41.07 41.02 39.08	40.09 db	58.09 55.04 60.02	58.16 db	—	—	This noise limit observed below allowable maximum limit which is 90 db for 08 Hrs safe working area
3RD	—	—	—	—	—	—	
4TH	39.02 42.02 43.02	41.36 db	59.02 59.08 61.02	60.06 db	—	—	

Reading Taken BY: RATNESH MISHRA [SPML] Site Incharge: Power Grid Review:

SPML INFRA LTD. TRIPURA

SPML Engineering Life

C/O: Power Grid Corporation of India Limited

Noise Test Report

(132/33/11)KV Sub-Station:- Belonia Month:- JAN. 2020

Sl.No. / Week	Noise Reading: Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area With Heavy Machines	Total Average Reading	Remarks
1ST	—	—	—	—	—	—	
2ND	41.04 40.02 39.09	40.05 db	58.09 57.04 60.01	58.08 db	—	—	This noise limit observed below allow maximum limit which is 90 db for 08 Hrs. Western Area.
3RD	—	—	—	—	—	—	
4TH	—	—	—	—	—	—	

Reading Taken BY: RATNESH MISHRA [SPML] Site Incharge: Power Grid Review:

SPML INFRA LTD. TRIPURA

SPML Engineering Life

C/O: Power Grid Corporation of India Limited

Noise Test Report

(132/33/11)KV Sub-Station:- Ragna

Month:- JAN- 2020

Sl.No. / Week	Noise Reading: Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area with Heavy Machines	Total Average Reading	Remarks
1ST	41.02 44.08 40.02	42.06db	58.09 59.01 59.08	58.96db	— — —	—	This noise level observed below allowable maximum limit which is 90 db for 08 Hrs safe working Area
2ND	— — —	—	— — —	—	— — —	—	
3RD	— — —	—	— — —	—	— — —	—	
4TH	38.04 39.04 39.01	38.96db	57.04 57.09 60.02	58.05db	— — —	—	

Reading Taken BY:	Site Incharge	Power Grid Review
RATNESH MISHRA [SPML]		

SPML INFRA LTD TRIPURA

SPML Engineering Life

C/O: Power Grid Corporation of India Limited

Noise Test Report

(132/33/11)KV Sub-Station:- [illegible]

Month:- Jan- 2020

Sl.No. / Week	Noise Reading: Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area with Heavy Machines	Total Average Reading	Remarks
1ST	— — —	—	— — —	—	— — —	—	
2ND	41.08 40.09 40.08	[illegible]	59.09 60.04 59.01	61.08db	— — —	—	This noise level observed below allow maximum limit which is 90 db for 08 Hrs working Area
3RD	— — —	—	— — —	—	— — —	—	
4TH	40.04 41.07 40.01	40.19db	61.02 61.04 61.08	61.96db	— — —	—	

Reading Taken BY:	Site Incharge	Power Grid Review
RATNESH MISHRA [SPML]		

SPML INFRA LTD TRIPURA

SPML Engineering Life

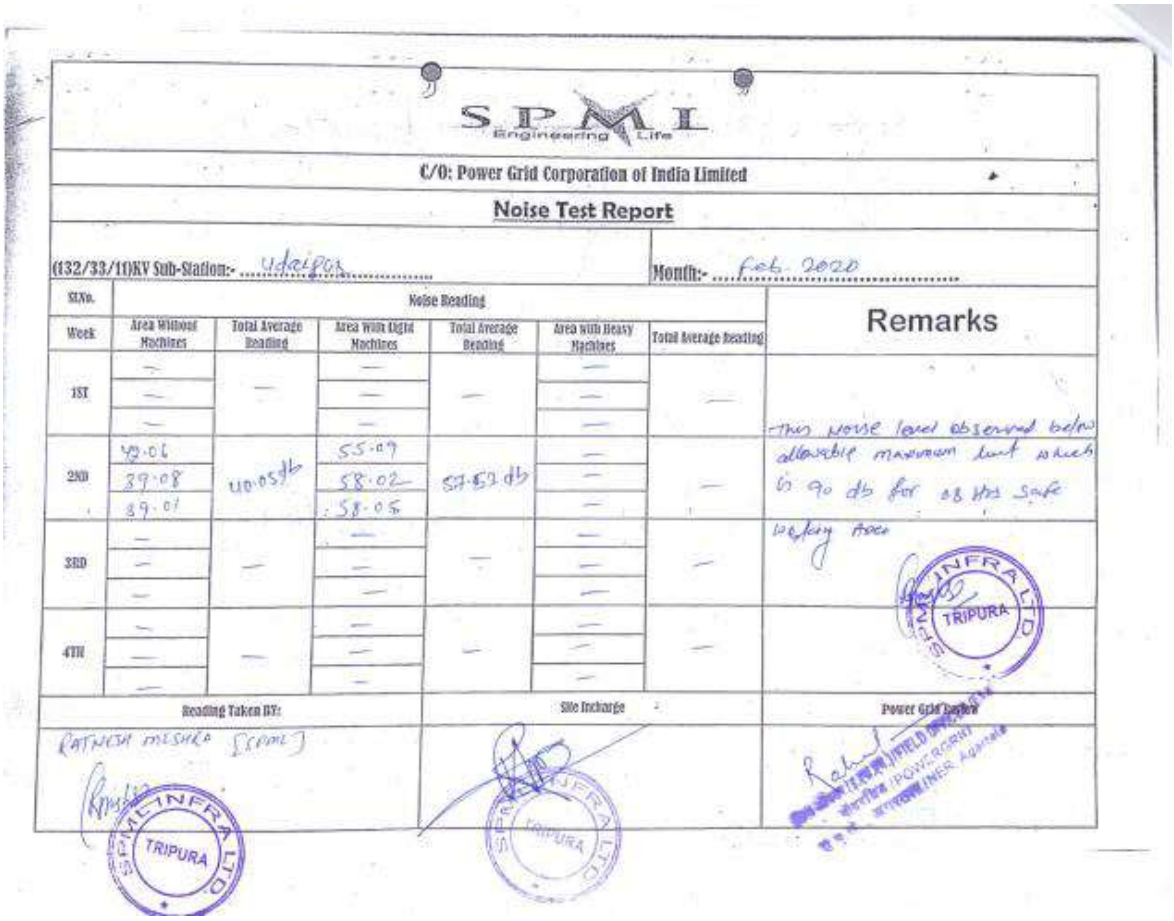
C/O: Power Grid Corporation of India Limited

Noise Test Report

(132/33/11)KV Sub-Station:- Udaipur Month:- Jan 2020

Sl.No. / Week	Noise Reading: Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area With Heavy Machines	Total Average Reading	Remarks
1ST	—	—	—	—	—	—	This noise level observed below allowable maximum limit which is 90 db for 08 Hrs safe working Area
2ND	39.09	40.05 db	59.06	59.66 db	—	—	
	40.05		59.01		—		
	40.04		60.08		—		
3RD	—	—	—	—	—	—	
4TH	40.07	40.75 db	63.03	61.13 db	—	—	
	38.00		63.01		—		
	41.43		58.09		—		

Reading Taken By:	Site Incharge	Power Grid Engineer
RATNESH MISHRA		



SPML Engineering Life

C/O: Power Grid Corporation of India Limited

Noise Test Report

(132/33/11)KV Sub-Station:- Udaipur Month:- Feb. 2020

Sl.No. / Week	Noise Reading: Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area With Heavy Machines	Total Average Reading	Remarks
1ST	—	—	—	—	—	—	This noise level observed below allowable maximum limit which is 90 db for 08 Hrs safe working Area
2ND	42.06	40.05 db	55.09	57.53 db	—	—	
	39.08		58.02		—		
	39.01		58.05		—		
3RD	—	—	—	—	—	—	
4TH	—	—	—	—	—	—	

Reading Taken By:	Site Incharge	Power Grid Engineer
RATNESH MISHRA [SPML]		

SPML Engineering Life

C/O: Power Grid Corporation of India Limited

Noise Test Report

(132/33/11)KV Sub-Station:- Belonia

Month:- Feb-2020

SLNo.	Noise Reading						Remarks
Week	Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area with Heavy Machines	Total Average Reading	
1ST	40.04 41.03 39.82	40.03db	65.02 66.08 64.03	65.01db	— — —	—	This noise level observed below allowable maximum level which is 90 db for 08 Hrs safe working area
2ND	— — —	—	— — —	—	— — —	—	
3RD	— — —	—	— — —	—	— — —	—	
4TH	39.03 40.03 39.07	39.83db	69.02 65.08 65.07	66.09db	— — —	—	

Reading Taken BY:	Site Incharge	Power Grid Review
RATNESH MISHRA [SPML]		

SPML Engineering Life

C/O: Power Grid Corporation of India Limited

Noise Test Report

(132/33/11)KV Sub-Station:- 132/33/11 kV Bagafa

Month:- Feb-2020

SLNo.	Noise Reading						Remarks
Week	Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area with Heavy Machines	Total Average Reading	
1ST	39.02 39.08 40.01	39.07db	52.04 56.07 55.02	54.76db	— — —	—	This noise level observed below allowable maximum level which is 90 db for 08 Hrs safe working area
2ND	— — —	—	— — —	—	— — —	—	
3RD	38.04 39.02 36.01	38.06db	60.03 61.08 59.03	60.46db	— — —	—	
4TH	— — —	—	— — —	—	— — —	—	

Reading Taken BY:	Site Incharge	Power Grid Review
RATNESH MISHRA [SPML]		

SPML Engineering Life

C/O: Power Grid Corporation of India Limited

Noise Test Report

(132/33/11)KV Sub-Station:- Sabroom Month:- Feb- 2020

Sl.No. / Week	Noise Reading: Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area with Heavy Machines	Total Average Reading	Remarks
1ST	—	—	—	—	—	—	This noise limit observed below allow maximum allow limit which is 90 db for 08 Hrs working Area.
2ND	—	—	—	—	—	—	
3RD	—	—	—	—	—	—	
4TH	41.08 40.02 40.07	40.09 db	60.09 62.04 62.07	62 db	—	—	

Reading Taken BY:	Site Incharge	Power Grid Review
RATNESH MISHRA [SPML]		

SPML INFRA LTD TRIPURA

SPML Engineering Life

C/O: Power Grid Corporation of India Limited

Noise Test Report

(132/33/11)KV Sub-Station:- Sabroom Month:- Feb- 2020

Sl.No. / Week	Noise Reading: Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area with Heavy Machines	Total Average Reading	Remarks
1ST	—	—	—	—	—	—	This noise limit observed below allow maximum limit which is 90 db for 08 Hrs working Area.
2ND	—	—	—	—	—	—	
3RD	—	—	—	—	—	—	
4TH	38.04 39.01 39.04	35.44 db	60.04 61.08 61.05	60.09 db	—	—	

Reading Taken BY:	Site Incharge	Power Grid Review
RATNESH MISHRA [SPML]		

SPML INFRA LTD TRIPURA

SPML Engineering Life

C/O: Power Grid Corporation of India Limited

Noise Test Report

(132/33/11)KV Sub-Station:- Belonia

Month:- MARCH-20

SLNo.	Noise Reading						Remarks
Week	Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area with Heavy Machines	Total Average Reading	
1ST	39.04 40.04 41.09	40.5 db	56.08 56.02 59.04	53.6 db	— — —	—	The noise level observed is below allowable maximum limit which is 90 db for 08 Hrs safe working area.
2ND	— — —	—	— — —	—	— — —	—	
3RD	— — —	—	— — —	—	— — —	—	
4TH	— — —	—	— — —	—	— — —	—	

Reading Taken BY:	Site Incharge	Power Grid Review
RATNESH MISHRA	RABIN DAS (SR. PM)	

SPML Engineering Life

C/O: Power Grid Corporation of India Limited

Noise Test Report

(132/33/11)KV Sub-Station:- SABROOM

Month:- MARCH-20

SLNo.	Noise Reading						Remarks
Week	Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area with Heavy Machines	Total Average Reading	
1ST	— — —	—	— — —	—	— — —	—	
2ND	48.08 48.06 49.02	49.86 db	62.03 65.04 66.09	64.86 db	— — —	—	The noise level observed allowable maximum limit which is 90 db for 08 Hrs working area
3RD	— — —	—	— — —	—	— — —	—	
4TH	— — —	—	— — —	—	— — —	—	

Reading Taken BY:	Site Incharge	Power Grid Review
RATNESH MISHRA	RABIN DAS (SR. PM)	

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C/O: Power Grid Corporation of India Limited

Noise Test Report

(132/33/11)KV Sub-Station:- UDAIPUR | Month:- MARCH-20

SLNo.	Noise Reading						Remarks
Week	Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area with Heavy Machines	Total Average Reading	
1ST	41.04	41.09 db	58.09	60.36 db	–	–	
	41.09		59.08		–		
	42.04		62.04		–		
2ND	–	–	–	–	–	–	This Noise limit observed below allow maximum limit which is 90 db for 08 Hrs working Area.
	–		–		–		
	–		–		–		
3RD	–	–	–	–	–	–	
	–		–		–		
	–		–		–		
4TH	–	–	–	–	–	–	
	–		–		–		
	–		–		–		

Reading Taken BY:	Site Incharge	Power Grid Review
RATNESH MISHRA	RABIN DAS (SR. PM)	

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C/O: Power Grid Corporation of India Limited

Noise Test Report

(132/33/11)KV Sub-Station:- SATCHAND | Month:- MARCH-20

SLNo.	Noise Reading						Remarks
Week	Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area with Heavy Machines	Total Average Reading	
1ST	–	–	–	–	–	–	
	–		–		–		
	–		–		–		This Noise limit observed below. allowable maximum limit which is 90 db for 08 Hrs. working Area
2ND	42.04	42.02db	62.04	64.65db	–	–	
	41.03		65.08		–		
	42.07		65.07		–		
3RD	–	–	–	–	–	–	
	–		–		–		
	–		–		–		
4TH	–	–	–	–	–	–	
	–		–		–		
	–		–		–		

Reading Taken BY:	Site Incharge	Power Grid Review
RATNESH MISHRA	RABIN DAS (SR. PM)	

Noise Monitoring – Jan to March 2019

Received 13/04/19 488

SPML Engineering Life

Ref. No: SPML/0216/OC-242 TO 247/A-01/TRIPURA /UDP-

Date:-10-04-2019

To

General Manager
Power Grid Corporation of India Ltd.,
Ramnagar – 6th Lane, 3rd Crossing,
Agartala, Tripura (West) – 799002

Ref. No. :

1. CC-CS/86-NER/SS-2651/1/G1/CA-I/7070 Dated: 02.12.2016
2. CC-CS/86-NER/SS-2651/1/G1/CA-II/7071, Dated: 02.12.2016
3. CC-CS/86-NER/SS-2652/1/G1/CA-I/7072, Dated: 02.12.2016
4. CC-CS/86-NER/SS-2652/1/G1/CA-II/7073, Dated: 02.12.2016

Subject: Submission of EHS Noise test Records of NERPSIP Sub-station Tripura.

Dear Sir,

With reference to the above subject, we are here by submitting documents related to EHS Noise test report as per safety plan the details of month mention below for respective site. This is for your acceptance.

Details of Noise report submission

SL NO	NAME OF SUB-STATION	FEB-2019	MARCH-19
1	UDAIPUR	YES	YES
2	AMARPUR	YES	YES
3	BELONIA	YES	YES
4	BAGAFA	YES	YES
5	SABROOM	YES	YES
6	SATCHAND	YES	YES

Thanking you and assuring you our best services at all times.

Yours faithfully

For SPML Infra Limited

SPML INFRA LIMITED
CIN : L40101DL1991PLC012228
22, Camac Street, Block – A, 3rd Floor, Kolkata - 700 016
Tel : 91-033-4009 1200, Fax No. : 033- 4009 1300
E-mail : info@spml.co.in, Website : www.spml.co.in
Regd. Office : F-27/2, Okhla Industrial Area, Phase-II
New Delhi-110020

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C/O: Power Grid Corporation of India Limited

Noise Test Report

(132/33/11)KV Sub-Station:- UDAIPUR | Month:- FEB-2019

Sl.No. / Week	Noise Reading: Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area With Heavy Machines	Total Average Reading	Remarks
1ST	39.4 39.7 40.1	39.23 db	45.4 48.3 47.8	47.16 db	— — —	—	
2ND	— — —	—	— — —	—	— — —	—	This Noise Report observed is below from allowable maximum limit which is 90 db for 8 hrs in the working Area Ratnesh
3RD	40.3 38.4 38.9	39.2 db	48.7 48.9 45.4	47.16 db	— — —	—	
4TH	— — —	—	— — —	—	— — —		

Reading Taken By:	Site Incharge	Power Grid Review
RATNESH		

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Noise Test Report

(132/33/11)KV Sub-Station:- UDAIPUR | Month:- MARCH-2019

Sl.No. / Week	Noise Reading: Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area With Heavy Machines	Total Average Reading	Remarks
1ST	36.4 39.7 39.3	38.46 db	47.3 49.9 49.2	48.85 db	— — —	—	This Noise level observed is below from allowable maximum limit which is 90 db for 8 hrs in the working Area RATNESH MEDICA
2ND	— — —	—	— — —	—	— — —	—	
3RD	40 40.4 41.6	40.2 db	48.3 45.3 49.4	47.60 db	— — —	—	
4TH	— — —	—	— — —	—	— — —	—	

Reading Taken By:	Site Incharge	Power Grid Review
RATNESH / KUMAR MEDICA		

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C/O: Power Grid Corporation of India Limited

Noise Test Report

032/33/11/KV Sub-Station:- AMARPUR | Month:- MARCH-2019

Sl.No. / Week	Noise Reading: Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area With Heavy Machines	Total Average Reading	Remarks
1ST	41.3 48.9 42.3	43.16 db	48.9 49.1 51.3	49.76 db	60.1 66.2 65.3	64.03 db	The noise level observed is below from allowable maximum limit which is 95 db for 08 Hrs in the working Area.
2ND	— — —	—	— — —	—	— — —	—	
3RD	39.2 48.7 37.9	39.96 db	52.1 50.7 50.2	51 db	69.3 68.3 68.9	68.83 db	RATNESH MISHRA
4TH	— — —	—	— — —	—	— — —	—	

Reading Taken By:	Site Incharge	Power Grid Engineer
RATNESH MISHRA / [illegible] MAITY		[illegible]

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C/O: Power Grid Corporation of India Limited

Noise Test Report

032/33/11/KV Sub-Station:- AMARPUR | Month:- FEB-2019

Sl.No. / Week	Noise Reading: Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area With Heavy Machines	Total Average Reading	Remarks
1ST	36.4 38.4 39.6	38.13 db	50.9 50.1 53.3	51.43 db	69.3 71.4 71.9	70.53 db	This noise level observed is below from allowable maximum limit which 90 db for 08 Hrs are in the working Area.
2ND	— — —	—	— — —	—	— — —	—	
3RD	37.4 42.3 41.4	40.95 db	52.1 50.3 52.9	51.43 db	68.3 71.09 71.09	70.36 db	RATNESH MISHRA
4TH	— — —	—	— — —	—	— — —	—	

Reading Taken By:	Site Incharge	Power Grid Engineer
RATNESH MISHRA / [illegible]		[illegible]

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C/O: Power Grid Corporation of India Limited

Noise Test Report

(132/33/11)KV Sub-Station:- BAGAFA | Month:- MARCH-2019

Sl.No. / Week	Noise Reading: Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area With Heavy Machines	Total Average Reading	Remarks
1ST	40.1 38.1 39.8	39.33 dB	52.1 53.4 52.6	52.7 dB	— — —	—	The noise level observed is below from allowable maximum limit which is 90 dB for 08 Hrs in the working area
2ND	38.4 41.3 41.2	40.48 dB	54.6 57.8 52.4	54.76 dB	— — —	—	
3RD	— — —	—	— — —	—	— — —	—	
4TH	— — —	—	— — —	—			

Reading Taken BY:	Site Incharge	Power Grid Review
RATNESH MISHRA [illegible] MAIST		

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C/O: Power Grid Corporation of India Limited

Noise Test Report

(132/33/11)KV Sub-Station:- BELONIA | Month:- MARCH-2019

Sl.No. / Week	Noise Reading: Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area With Heavy Machines	Total Average Reading	Remarks
1ST	— — —	—	— — —	—	— — —	—	
2ND	— — —	—	— — —	—	— — —	—	The noise level observed all is below from allowable maximum limit which is 90 dB for 08 Hrs working area
3RD	— — —	—	— — —	—	— — —	—	
4TH	38.1 38.7 39.3	58.2 dB	49.3 52.6 51.9	51.16 dB	— — —	—	

Reading Taken BY:	Site Incharge	Power Grid Review
RATNESH [illegible]		

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C/O: Power Grid Corporation of India Limited

Noise Test Report

(132/33/11)KV Sub-Station:- BELONIA | Month:- FEB-2019

Sl.No.	Noise Reading						Remarks
Week	Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area with Heavy Machines	Total Average Reading	
1ST	38.1 39.4 39.3	38.6 db	51.3 49.8 50.2	50.43 db	— — —	—	The noise level observed is below from allowable maximum limit which 90 db for 08 hrs in the working Area
2ND	38.9 39.4 39.3	38.53 db	47.8 53.3 51.4	50.33 db	— — —	—	
3RD	— — —	—	— — —	—	— — —	—	
4TH	— — —	—	— — —	—	— — —	—	

Reading Taken By:	Site Incharge	Power Grid Review
[signature]	[signature]	[signature]

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C/O: Power Grid Corporation of India Limited

Noise Test Report

(132/33/11)KV Sub-Station:- SATCHAND | Month:- FEB-2019

Sl.No.	Noise Reading						Remarks
Week	Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area with Heavy Machines	Total Average Reading	
1ST	42.1 40.8 40.4	41.1 db	49.3 54.5 54.6	52.08 db	— — —	—	
2ND	— — —	—	— — —	—	— — —	—	The noise level observed is below from allowable maximum limit which 90 db for 08 hrs working Area
3RD	36.5 38.3 38.9	37.9 db	54.3 56.4 55.2	55.3 db	— — —	—	
4TH	— — —	—	— — —	—	— — —	—	

Reading Taken By:	Site Incharge	Power Grid Review
[signature]	[signature]	[signature]

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C/O: Power Grid Corporation of India Limited

Noise Test Report

(132/33/11)KV Sub-Station:- SLTCHAND | Month:- MARCH-2019

Sl.No.	Noise Reading						Remarks
Week	Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area with Heavy Machines	Total Average Reading	
1ST	—	—	—	—	—	—	
2ND	—	—	—	—	—	—	The noise level observed is below from 90 db for 08 hrs working area
3RD	—	—	—	—	—	—	
4TH	39.4 38.8 39.4	38.36 db	52.1 53.2 53.4	52.93 db	—	—	

Reading Taken By:	Site Incharge	Power Grid Review
RATNESH MISHRA		

SPML Engineering Life

C/O: Power Grid Corporation of India Limited

Noise Test Report

(132/33/11)KV Sub-Station:- SABROOM | Month:- MARCH-2019

Sl.No.	Noise Reading						Remarks
Week	Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area with Heavy Machines	Total Average Reading	
1ST	—	—	—	—	—	—	
2ND	—	—	—	—	—	—	
3RD	—	—	—	—	—	—	The noise level observed is below from allowable maximum level which is 90 db for 08 hrs working area
4TH	39.4 38.8 38.4	38.66 db	53.1 53.4 54.1	53.26 db	—	—	

Reading Taken By:	Site Incharge	Power Grid Review

SPML Engineering Ltd

C/O: Power Grid Corporation of India Limited

Noise Test Report

132/33/11KV Sub-Station:- SABROOM | Month:- FEB-2019

Sl.No. / Week	Noise Reading: Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area with Heavy Machines	Total Average Reading	Remarks
1ST	—	—	—	—	—	—	
	—		—		—		
	—		—		—		
2ND	37.3	36.42 db	60.3	60.2 db	—	—	The noise level observed is below from allowable maximum level which is 90 db for 08 hrs [illegible]
	38.4		57.9		—		
	38.5		53.5		—		
3RD	—	—	—	—	—	—	
	—		—		—		
	—		—		—		
4TH	—	—	—	—	—	—	
	—		—		—		
	—		—		—		

Reading Taken BY:	Site Incharge	Power Grid Review
[signature]	[signature]	[signature]

SPML Engineering Ltd

C/O: Power Grid Corporation of India Limited

Noise Test Report

132/33/11KV Sub-Station:- BAGAFA | Month:- FEB-2019

Sl.No. / Week	Noise Reading: Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area with Heavy Machines	Total Average Reading	Remarks
1ST	40.1	38.92 db	55.1	57.6 db	—	—	
	37.3		57.3		—		
	37.4		60.4		—		
2ND	36.4	38.23 db	57.9	52.3 db	—	—	The noise level observed is below from allowable maximum level which is 90 db for 08 hrs in the [illegible]
	37.5		54.3		—		
	38.8		54.7		—		
3RD	—	—	—	—	—	—	[signature]
	—		—		—		
	—		—		—		
4TH	—	—	—	—	—	—	
	—		—		—		
	—		—		—		

Reading Taken BY:	Site Incharge	Power Grid Review
[signature]	[signature]	[signature]

SPML Engineering Ltd.

C/O: Power Grid Corporation of India Limited

Noise Test Report

132/33/11kV Sub-Station:- BELONIA | Month:- SEP-19

Time	Noise Reading						Remarks
Week	Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area with Heavy Machines	Total Average Reading	
I	50.45	55.45 dB	48.07	49.dB	—	—	The noise level observed is below from allowable maximum limit given in the 15 Hrs working area
	56.49		50.45		—		
	57.45		49.08		—		
II	—	—	—	—	—	—	
	—		—		—		
	—		—		—		
III	—	—	—	—	—	—	
	—		—		—		
	—		—		—		
IV	—	—	—	—	—	—	
	—		—		—		
	—		—		—		

Reading Taken By: RATHCHANDRA DEB [SPML] | Site Incharge: RAGHU DAS [SPML] | Power Grid Engg.

SPML Engineering Ltd.

C/O: Power Grid Corporation of India Limited

Noise Test Report

132/33/11kV Sub-Station:- SATCHAND | Month:- OCT-19

Time	Noise Reading						Remarks
Week	Area Without Machines	Total Average Reading	Area With Light Machines	Total Average Reading	Area with Heavy Machines	Total Average Reading	
I	40.05	40.45 dB	58.04	51.02 dB	—	—	The noise level observed is below from allowable maximum limit 90 dB for 15 Hrs working area
	40.07		51.45		—		
	40.06		47.07		—		
II	—	—	—	—	—	—	
	—		—		—		
	—		—		—		
III	—	—	—	—	—	—	
	—		—		—		
	—		—		—		
IV	39.07	39.75 dB	60.06	55.06 dB	—	—	
	39.08		54.04		—		
	40.08		55.07		—		

Reading Taken By: RATHCHANDRA DEB [SPML] | Site Incharge: RAGHU DAS [SPML] | Power Grid Engg.

C. Soils Taxonomic Classification in Project Districts

Soil Unit	Description	Taxonomic Classification	Area (in'000 ha)	Area (%)
1	Deep, somewhat excessively drained, loamy skeletal soils on very steeply sloping side slopes of high relief structural hills having loamy surface with very severe erosion hazard	Loamy skeletal Typic Dystrochrepts Fine loamy Typic Dystrochrepts	**32.9**	**3.1**
	Associated with: Deep to very deep, well drained, fine loamy soils on steeply sloping ridges with severe erosion hazard			
2	Deep to very deep, somewhat excessively drained, fine loamy skeletal soils on steeply sloping hill summits having loamy surface with severe erosion hazard	Fine loamy Typic Udorthents Fine loamy Typic Dystrochrepts	**42.6**	**4.1**
	Associated with: Deep, somewhat excessively drained, fine loamy soils on side slopes of high relief structural hill with severe erosion hazard and slight stoniness			
3	Deep, well drained, loamy skeletal soils on steeply sloping side slopes of high relief structural hills having loamy surface with very severe erosion hazard and moderate stoniness	Loamy skeletal Typic Dystrochrepts Fine loamy Typic Haplumbrepts Fragmental Lithic Udorthents	**10.9**	**1.0**
	Associated with: Deep to very deep well drained, fine loamy soils on moderately steeply sloping hill summit with severe erosion hazard and slight stoniness			
4	Deep to very deep, well drained, fine loamy soils on moderately dissected side slopes of ridges having loamy surface with severe erosion hazard	Fine loamy Typic Hapludults Fine loamy Umbric Dystrochrepts	63.1	6.0
	Associated with: Deep, somewhat excessively drained, fine loamy soils on moderately steeply sloping ridge top with moderate erosion hazard and slight stoniness			
5	Very deep, excessively drained, Coarse loamy soils on the slopes of moderately sloping medium relief having loamy surface with severe erosion hazard	Coarse loamy Typic Udorthents Loamy over sandy Typic Dystrochrepts Fine Loamy Typic Dystrochrepts	20.2	1.9
	Associated with: Deep, well drained, loamy over sandy soils on moderately sloping side slopes of the hills with moderate erosion hazard			
6	Deep, well drained, fine loamy soils on the side slopes of parallel ridges, moderately steeply sloping having loamy surface with severe erosion hazard	Fine Typic Dystrochrepts Coarse loamy over sandy Typic Udorthents Fine loamy Typic Hapludults	58.8	5.6
	Associated with: Deep, well drained, coarse loamy over sandy soils on steeply sloping side slopes of the hills with moderate erosion hazard			
7	Very deep, well drained, fine loamy soils on the moderately steeply sloping hill top having loamy surface with severe erosion hazard	Fine loamy Typic Dystrochrepts Fragmental lithic Udorthents Fine loamy Typic Haplumbrepts	39.6	3.8
	Associated with: shallow, well drained, fragmental soils very steeply sloping parallel ridges, with severe erosion hazard and severe stoniness			
8	Deep to very deep, excessively drained, fine loamy soils on the moderately sloping side slopes of medium relief parallel ridges having loamy surface with severe erosion hazard and slight stoniness	Fine loamy Typic Dystrochrepts Fine loamy Typic Haplumbrepts	23.4	2.2

Soil Unit	Description	Taxonomic Classification	Area (in'000 ha)	Area (%)
	Associated with: Deep, well drained, fine loamy soils on moderately sloping side slopes of the hills with moderate erosion hazard	Coarse loamy Typic Udorthents		
9	Deep, somewhat excessively drained, fine loamy soils on the steeply sloping hill top having loamy surface with severe erosion hazard	Fine loamy Typic Dystrochrepts Coarse loamy Typic Udorthents Fine loamy Typic Hapludults	10.2	1.0
	Associated with: moderately Deep, excessively drained, coarse loamy soils on steeply sloping side slopes of the hills with severe erosion hazard and slight stoniness			
10	Deep to very deep, well drained, fine loamy soils on the moderately steeply sloping hill top having loamy surface with moderate erosion hazard	Fine Typic Dystrochrepts Fine loamy Typic Dystrochrepts Fine loamy Typic Paleudults	31.2	3.0
	Associated with: Deep, well drained, fine loamy soils on gently sloping side slopes with moderate erosion hazard			
11	Very deep, somewhat excessively drained, coarse loamy soils on moderately steeply sloping hill slopes having loamy surface with severe erosion hazard	Fine loamy Typic Udorthents Fine Loamy Typic Haplumbrepts Fine Loamy Umbric Dystrochrepts	3.6	0.4
	Associated with: very Deep, well drained, fine loamy soils on moderately sloping hill top with moderate erosion hazard			
12	Very deep, well drained, loamy skeletal soils on the steeply sloping sides of ridges having loamy surface with moderate erosion hazard and moderate stoniness	Loamy skeletal Umbric Dystrochrepts Fine loamy Typic Dystrochrepts	24.4	2.3
	Associated with: Deep, well drained, fine loamy soils moderately sloping sides slopes with moderate erosion hazard			
13	Moderately Deep, somewhat excessively drained, coarse loamy soils on the moderately steeply sloping side slopes of ridges having loamy surface with severe erosion hazard	Coarse loamy Typic Udorthents Fine loamy Umbric Dystrochrepts Fine loamy Typic Dystrochrepts	16.5	1.6
	Associated with: Deep, well drained, fine loamy soils on moderately sloping hill tops with moderate erosion hazard			
14	Deep to very deep, well drained, fine loamy soils on the moderately steeply sloping side slopes of low relief hills having loamy surface with severe erosion hazard	Fine Typic Dystrochrepts Coarse loamy Typic Udorthents Fine Loamy Umbric Dystrochrepts	0.7	0.1
	Associated with: Deep, somewhat excessively drained, coarse loamy soils on moderately sloping ridge tops with severe erosion hazard			
15	Deep, well drained, fine loamy soils on moderately sloping flat topped denudation hills having clay loam surface with moderate erosion hazard	Fine loamy Typic Kandiudalts Fine loamy Typic Dystrochrepts Fine Loamy Umbric Dystrochrepts	51.7	5.0
	Associated with: Deep, well drained, fine loamy soils on gently sloping flat topped denudation hills having clay loam surface with moderate erosion hazard			
16	Deep, well drained, fine loamy soils on moderately to gently sloping flat topped denudation hills having clay loam surface with moderate erosion hazard	Fine loamy Typic Kandiudalts Fine loamy	25.4	2.4

Soil Unit	Description	Taxonomic Classification	Area (in'000 ha)	Area (%)
	Associated with: Deep, imperfectly drained, fine loamy soils on gently sloping hill top with moderate erosion hazard	Aquic Dystrochrepts Fine Typic Dystrochrepts		
17	Deep, well drained, coarse loamy soils on gently sloping low-lying residual hills having sandy loam surface with moderate erosion hazard	Coarse loamy Typic Dystrochrepts Fine loamy Typic Hapludults Clay Loamy Skeletal typic Dystrochrepts	7.9	0.8
	Associated with: very Deep, well drained, fine loamy soils on moderately sloping low-lying residual hills with moderate erosion hazard			
18	Deep, well drained, fine loamy soils on moderately sloping low-lying residual hills having clay loamy surface with moderate erosion hazard	Fine loamy Typic Dystrochrepts Coarse loamy Aquic Udorthents Fine Loamy Aquic Dystrochrepts	4.8	0.5
	Associated with: very Deep, imperfectly drained, coarse loamy soils on gently sloping narrow interhall basin under poor to moderate cultivation of paddy			
19	Deep, moderately well drained, fine loamy soils on gently to moderately sloping undulating plains with low mounds having clay loam surface with moderate erosion hazard	Fine loamy Typic Dystrochrepts Fine loamy Typic Epiaquepts Coarse loamy Typic Dystrochrepts	39.2	3.7
	Associated with: moderately shallow, poorly to imperfectly drained, fine loamy soils on very gently sloping narrow valleys with slight flooding hazard and slight erosion hazard			
20	Deep, well drained, fine loamy soils on gently to moderately sloping undulating plains with low mounds having loamy surface with moderate erosion hazard	Fine Typic Dystrochrepts Coarse loamy over sandy Typic Dystrochrepts Fine loamy Typic Hapludults	6.0	0.6
	Associated with: very deep, well drained, coarse loamy over sandy soils on side slopes of moderately sloping low mounds with moderate erosion hazard			
21	**Deep, moderately well drained, fine loamy soils on gently sloping undulating plains with low mounds having loamy surface with moderate erosion hazard**	**Fine loamy Typic Dystrochrepts Fine Loamy Aquic Dystrochrepts Fine Loamy Oxyaquic Dystrochrepts**	**130.0**	**12.4**
	Associated with: deep to very deep, poorly or imperfectly drained, fine loamy soils with slight erosion hazard			
22	Deep, moderately well drained, fine loamy soils on gently to moderately sloping undulating plains with low mounds having loamy surface with moderate erosion hazard	Fine loamy Typic Dystrochrepts Fine Loamy Oxyaquic Dystrochrepts Course Loamy Typic Udorthents	12.0	1.0
	Associated with: Deep to very deep, imperfectly drained, fine loamy soils with slight erosion hazard			
23	Moderately deep, well drained, fine loamy soils on moderately sloping undulating plains with low mounds having loamy surface with moderate erosion hazard	Fine loamy Typic Kandiudalts Fine silty over sandy loamy Aquic Dystrochrepts Course Loamy Typic Udorthents	9.0	0.8
	Associated with: Deep to very deep, imperfectly to poorly drained, fine silty over sandy soils with slight erosion hazard			
24	Very Deep, well drained, fine loamy soils on gently sloping low lands having loamy surface with moderate erosion hazard	Fine Loamy Oxyaquic Dystrochrepts Fine Loamy Aquic Udorthents	1.9	0.2
	Associated with: very deep, poorly drained, fine loamy soils with slight erosion hazard			

Soil Unit	Description	Taxonomic Classification	Area (in'000 ha)	Area (%)
25	Very Deep, moderately well drained, fine loamy soils on gently sloping low mounds having loamy surface with moderate erosion hazard Associated with: very deep, poorly drained, fine loamy soils on gently sloping low mounds with moderate erosion hazard	Fine loamy Typic Kandiudalts Fine loamy Umbric Dystrochrepts Fine Loamy Typic Udorthents	3.5	0.3
26	Deep, moderately well drained, clayey soils on upland of gently to very gently sloping interhall valleys having fine loamy surface with moderate to slight erosion hazard Associated with: very deep, imperfectly drained, fine loamy soils on very gently sloping narrow interhall valleys with slight erosion hazard	Fine Typic Dystrochrepts Fine Loamy Aquic Dystrochrepts Fine Loamy Typic Epiaquepts	26.6	2.5
27	Very Deep, well drained, fine loamy soils on the upland of gently to very gently sloping interhill valleys having clay loamy surface with moderate erosion hazard Associated with: very deep, well drained, fine loamy soils on gently sloping interhill valleys with moderate erosion hazard	Fine loamy Typic Haplumbrepts Fine Loamy Dystrochrepts	19.2	1.8
28	Deep, well drained, fine loamy soils on upland of gently to very gently sloping interhill valleys having coarse loamy surface with moderate to slight erosion hazard Associated with: very deep, poorly drained, fine silty soils on very gently sloping narrow interhill valleys with occasional flooding hazard and slight erosion hazard	Fine loamy Fluventic Umbric Haplumbrepts Fine silty Epiaquepts	8.3	0.8
29	Deep, well drained, fine loamy soils on upland of gently to very gently sloping interhall valleys having fine loamy surface with moderate erosion hazard Associated with: very deep, well drained, coarse loamy soils on the upland of gently sloping interhill with moderate erosion hazard	Fine loamy Typic Dystrochrepts Coarse loamy Typic Dystrochrepts Fine loamy Typic Hapludults	86.2	8.2
30	Deep, well drained, fine loamy soils on upland of gently to very gently sloping interhill valleys having clay loam surface with moderate erosion hazard Associated with: very deep, well drained, coarse loamy soils on the gently sloping interhill valleys with moderate erosion hazard	Fine loamy Typic Dystrochrepts Coarse loamy Typic Dystrochrepts Coarse loamy Typic Udorthents	6.8	0.7
31	Deep, well drained, fine loamy soils on upland of gently to very gently sloping interhill valleys having clay loam surface with moderate erosion hazard Associated with: very deep, well drained, coarse loamy soils on the gently sloping interhill valleys with moderate erosion hazard	Fine loamy Typic Dystrochrepts Coarse loamy Typic Dystrochrepts Coarse loamy Typic Hapludults	10.4	1.0
32	Deep, poorly to imperfectly drained, coarse loamy soils on gently to very gently sloping interhill valleys having sandy loam surface with moderate erosion hazard Associated with: very deep, well drained, clayey soils on the upland of gently sloping interhill valleys with moderate erosion hazard	Coarse loamy Aquic Udorthents Fine loamy Typic Dystrochrepts	1.5	0.1
33	Deep, imperfectly drained, coarse loamy soils on gently to moderately gently sloping interhill valleys	Fine loamy Aeric Dystrochrepts	1.0	0.1

Soil Unit	Description	Taxonomic Classification	Area (in'000 ha)	Area (%)
	having sandy loam surface with moderate erosion hazard and occasional flooding hazard	Fine loamy Aquic Dystrochrepts		
	Associated with: very deep, poorly drained, fine loamy soils on gently sloping interhill valleys with slight erosion hazard and occasional flooding hazard			
34	Moderately Deep, imperfectly drained, fine loamy soils on gently sloping interhill valleys having clay loam surface with slight erosion hazard and occasional flooding hazard	Fine loamy Aquic Dystrochrepts Coarse loamy Fluventic Dystrochrepts	7.4	0.7
	Associated with: very deep, moderately well drained, coarse loamy soils on gently sloping interhill valleys with slight erosion hazard and occasional flooding hazard			
35	Deep, imperfectly to poorly drained, fine loamy soils on very gently sloping alluvial plain having loamy surface with moderate to severe flooding hazard and slight erosion hazard	Fine Aeric Epiaquepts Fine Loamy Typic Epiaquepts	12.1	1.1
	Associated with: very deep, very poorly drained, fine loamy soils on gently sloping alluvial plain having loamy surface with moderate to severe flooding hazard			
36	Deep, imperfectly to poorly drained, fine loamy soils on very gently sloping alluvial plain having loamy surface with moderate to severe flooding hazard and slight erosion hazard	Fine Aeric Epiaquepts Fine Loamy Typic Epiaquepts Sandy Over Loamy Typic Epiaquepts	29.7	2.8
	Associated with: very deep, very poorly drained, fine loamy soils on gently sloping alluvial plain having loamy surface with moderate to severe flooding hazard			
37	Very Deep, imperfectly drained, clayey soils developed on very gently sloping alluvial plain having silty clay surface with moderate flooding hazard and slight erosion hazard	Fine loamy Aquic Dystrochrepts Fine Typic Epiaquepts	1.9	0.2
	Associated with: very deep, very poorly drained, clayey soils on very gently sloping alluvial plain with moderate flood hazard			
38	Very Deep, imperfectly drained, corase loamy developed on gently sloping alluvial plain having sandy loam surface with occasional flooding hazard and slight erosion hazard	Coarse Loamy Aeric Epiaquepts Fine Loamy Aquic Dystrochrepts Typic Udipsamments	1.0	0.1
	Associated with: very deep, imperfectly drained, fine loamy soils on gently sloping alluvial plain with occasional flooding hazard			
39	Deep, very poorly drained, clayey soils on gently sloping floodplain having silty clay surface with severe to very severe flooding hazard and slight erosion hazard	Fine Loamy Typic Epiaquepts Fine Loamy over Sandy Typic Epiaquepts	13.2	1.2
	Associated with: very deep, imperfectly drained, fine silty soils on very gently sloping flood plain with severe to very severe flooding hazard and slight erosion hazard			
40	Very Deep, very poorly drained, clayey soils on very gently sloping floodplain having clay loam surface with severe flooding hazard and very slight erosion hazard	Fine Typic Epiaquepts Fine Loamy Typic Epiaquepts	32.6	3.1

Soil Unit	Description	Taxonomic Classification	Area (in'000 ha)	Area (%)
	Associated with: very deep, poorly to very poorly drained, fine loamy soils	Coarse loamy over Sandy Typic Fluvaquentic Dystrochrepts		
41	Very Deep, moderately well to imperfectly drained, fine loamy soils on very gently sloping floodplain having clay loam surface with moderate flooding hazard and very slight erosion hazard	Fine Aquic Dystrochrepts Fine Oxyaquic Dystrochrepts Fine Aquic Dystrochrepts	72.9	7.0
	Associated with: very deep, moderately well drained, clayey soils on very gently sloping flood plain with occasional flooding hazard			
42	Very peep, poorly to very poorly drained, fine loamy soils on very gently sloping floodplain having clay loam surface with moderate to severe flooding hazard and very slight erosion hazard	Fine Typic Epiaquepts Fine Loamy Aeric Epiaquepts	35.9	3.5
	Associated with: very deep, poorly drained, fine loamy soils on very gently sloping flood plain with moderate to very severe flooding hazard and slight erosion hazard			
43	Very Deep, moderately well to imperfectly drained, fine loamy soils on very gently sloping floodplain having clay loam surface with moderate flooding hazard and very slight erosion hazard	Fine loamy Typic Haplumbrepts Fine Loamy Pachic Haplumbrepts Fine Typic Dystrochrepts	7.5	0.8
	Associated with: very deep, moderately well drained, clayey soils on very gently sloping flood plain with occasional flooding hazard			

D: Flora of Project Area Recorded during Site Survey

Sr. No.	Name of plant Species	Family	Conservation status IUCN (2020.1)
1.	*Hevea brasiliensis*	Euphorbiaceae	Least Concern
2.	*Shorea robusta*	Dipterocarpaceae	Least Concern
3.	*Pterospermum acerifolium*	Malvaceae	Least Concern
4.	*Acacia auriculiformis*	Fabaceae	Least Concern
5.	*Mangifera indica*	Anacardiaceae	Least Concern
6.	*Bambusa vulgaris*	Poaceae	Least Concern
7.	*Cassia fistula*	Fabaceae	Least Concern
8.	*Bambusa teris*	Poaceae	Least Concern
9.	*Duanbanga gradiflora*	Lythraceae	Least Concern
10.	*Carrya arborea*	Lecythidaceae	Least Concern
11.	*Areca catechu*	Arecaceae	Not Evaluated
12.	*Melia azedarach*	Meliaceae	Least Concern
13.	*Terminalia bellirica*	Combretaceae	Not Evaluated
14.	*Centella asiatica*	*Umbelliferae*	Least Concern
15.	*Hemidesmus indicus*	Apocynaceae	-
16.	*Diospyros melanoxylon*	Ebenaceae	Least Concern
17.	*Erythrina Indica*	Fabaceae	Least Concern
18.	*Tectona grandis*	Lamiaceae	Least Concern
19.	*Vitex negabdo*	Verbenaceae	Not Extinct
20.	*Tamarindus indica*	Fabaceae	Least Concern
21.	*Ziziphus mauritiana*	Rhamnaceae	Least Concern
22.	*Citrus indica*	Rutaceae	Least Concern
23.	*Cocos nucifera*	Arecaceae	Not evaluated
24.	*Artocarpus heterophyllus*	Moraceae	Least Concern
25.	*Artocarpus Hirsuta*	Moraceae	Least Concern
26.	*Albizzia lebbeck*	Fabaceae	Least Concern
27.	*Samanea saman*	Fabaceae	Not Evaluated
28.	*Albizzia sp*	Fabaceae	Least Concern
29.	*Pterocarpus marsupium*	Fabaceae	Vulnerable
30.	*Ficus racemosa*	Moraceae	Least Concern
31.	*Psidium guajava*	Myrtaceae	Least Concern
32.	*Aegle marmelos*	Rutaceae	Near Threatened
33.	*Chukrasia Tabularis*	Meliaceae	Least Concern
34.	*Carica papaya*	Caricaceae	Least Concern
35.	*Azadirachta indica*	Meliaceae	Least Concern
36.	*Musa paradisiaca*	Musaceae	Least Concern
37.	*Ficus religiosa*	Moraceae	Least Concern
38.	*Anacardium occidentale*	Anacardiaceae	Least Concern
39.	*Delonix regia*	Fabaceae	Least Concern
40.	*Manilkara zapota*	Sapotaceae	Least concern
41.	*Alstonia scholaris*	Apocynaceae	Least concern
42.	*Moringa oleifera*	Moringaceae	Least concern
43.	*Bombax ceiba*	Malvaceae	Least Concern
44.	*Cinnamomum glanduliferum*	Lauraceae	Least concern
45.	*Lagerstroemia speciosa*	Lythraceae	Least concern
46.	*Lagerstroemia Parviflora*		
47.	*Michelia champaca*	Magnoliaceae	Least concern
48.	*Aquilaria malacensis*	Thymelaeaceae	Least concern
49.	*Holigarna caustic*	Anacardiaceae	Least concern
50.	*Bambusa pallida*	Fabaceae	Least concern
51.	*Syzygium cumini*	Myrtaceae	Least concern
52.	*Phlogacanthus thrsiflorus*	Acanthaceae	Least concern

Sr. No.	Name of plant Species	Family	Conservation status IUCN (2020.1)
53.	*Calamus leptospadix*	Arecaceae	Not known
54.	*Zeuxine strateumatica*	Orchidaceae	Not known
55.	*Mesua ferra*	Calophyllaceae	Not known
56.	*Dysoxylem binectariferum*	Meliaceae	Least concern
57.	*Artocarpus chaplasha*	Moraceae	Least concern
58.	*Gmelina arborea*	Lamiaceae	Least concern
59.	*Schima wallichii*	Theaceae	Least concern
60.	*Mallotus phillippensis*	Euphorbiaceae	Least concern
61.	*Phyllanthus emblica*	Phyllanthaceae	Least concern
62.	*Dalbergia stipulacea*	Fabaceae	Least concern
63.	*Stephania glandulifera*	Menispermaceae	Least concern
64.	*Osbeckia chinesis*	Melastomataceae	Least concern
65.	*Clerodendrum viscosum*	Lamiaceae	Least concern
66.	*Desmodium heterocarpon*	Fabaceae	Least concern
67.	*Holorrhea pubescens*	Apocynaceae	Least concern
68.	*Hydrocarpus kurzi*	Labiatae	Least concern
69.	*Justica adhatida*	Acanthaceae	Least concern
70.	*Oryza sativa*	Poaceae	Least concern
71.	*Marsilea minuta*	Acanthaceae	Least concern
72.	*Ocimum tenuifloram*	Labiatae	Least concern
73.	*Phlogacanthus thyrsiflorus*	Acanthaceae	Least concern
74.	*Rawlfia serpentina*	Apocynaceae	Least concern
75.	*Orphiorrhiza villosa*	Rubiaceae	Least concern
76.	*Cycas pectinata*	Cycadaceae	Least concern
77.	*Dischidia benghalensis*	Asclepiadaceae	Least concern
78.	*Dischidia nummularia*	Asclepiadaceae	Not Evaluated
79.	*Saraca asoca*	Fabaceae	Least concern
80.	*Jasminum listeri*	Oleaceae	Least concern
81.	*Phoenix dactylifera*	Arecaceae	Least Concern
82.	*Terminalia chebula*	Combretaceae	Least Concern
83.	*Pongamia pinnata*	Fabaceae	Lease Concern
84.	*Ficus benghalensis*	Moraceae	Not evaluated

Appendix B

Public Consultation and PAP Meeting

DETAILS OF PUBLIC CONSULTATION MEETING

Public Consultation Enroute of Transmission Lines

Sr. No.	Village Name	Person Attended
1	Bagafa	1
2	Belonia	5
3	Udaypur	4
4	Amarpur	1

Bagafa

Belonia

Udaipur

Amarpur

Public Consultations with POWERGRID

PROJECT SUMMARY

In order to strengthen the power scenario of the North Eastern States including Tripura, the Government of India with the financial assistance of the WORLD BANK, has formulated the North Eastern Region Power System Improvement Project (NERPSIP) which envisages in construction of new power Sub-stations, Transmission & Distribution lines and simultaneously augmentation/expansion of the existing Sub-stations and Transmission lines.

The NERPSIP in the state of Tripura broadly aims at:-

- Load enhancement of the transmission and distribution network of Tripura as well as reducing the transmission and distribution (T & D) loss.
- To adequately address the demand side management for ensuring adequate supply of electricity.

For implementation of project under North Eastern Region Power System Improvement Project (NERPSIP) construction of different 132 kV substation and transmission & distribution line have been planned to be taken up in this area. For construction of transmission line under this project, any damage caused will be compensated as per the Government norms.

We hope that implementation of the North Eastern Power System Improvement Project (NERPSIP) in the state of Tripura will definitely contribute in the socio-economic development of the state.

TRIPURA STATE ELECTRICITY CORPORATION LTD
(A Government of Tripura Enterprise)

প্রকল্পের সারমর্ম

ত্রিপুরা সহ উত্তর-পূর্ব রাজ্যগুলির বিদ্যুৎ ব্যবস্থার উন্নতির জন্য ভারত সরকার-বিশ্বব্যাঙ্কের আর্থিক সহায়তায় উত্তর-পূর্ব ক্ষেত্র বিদ্যুৎ ব্যবস্থা উন্নতিকরণ প্রকল্প (NERPSIP) গঠন করেছে, যার মূল উদ্দেশ্য হল নতুন বিদ্যুৎ সাবস্টেশন, নতুন বিদ্যুৎ পরিবাহী ও বন্টন লাইন তৈরী করা এবং পাশাপাশি বর্তমান সাবস্টেশন এবং লাইনগুলির ক্ষমতা বৃদ্ধি ও সম্প্রসারন করা।

উত্তর-পূর্ব ক্ষেত্র বিদ্যুৎ ব্যবস্থা উন্নতিকরণ প্রকল্প (NERPSIP) ত্রিপুরাতে আনার উদ্দেশ্য হল ঃ

- বিদ্যুৎ পরিবাহী ও বন্টন লাইনের ক্ষমতা বৃদ্ধি করা তথা পরিবাহী ও বন্টন বাবদ অপচয় হ্রাস করা।
- চাহিদার উপযোগী বিদ্যুৎ যোগান দেওয়া।

উত্তর-পূর্ব ক্ষেত্র বিদ্যুৎ ব্যবস্থা উন্নতিকরণ প্রকল্পের (NERPSIP) অধীনে ত্রিপুরা রাজ্যের প্রকল্প গুলি বাস্তবায়নের লক্ষে এই এলাকায় ১৩২ কেভি সাবস্টেশন, বিদ্যুৎ পরিবাহী ও বন্টন লাইন তৈরী করার উদ্যোগ নেওয়া হয়েছে। এই প্রকল্পটি বাস্তবায়নে সরকারী নিয়ম অনুযায়ী নির্ধারিত ক্ষতিপূরণ প্রদান করা হবে।

আমরা আশা করি ত্রিপুরার সামাজিক ও অর্থনৈতিক উন্নয়নে উত্তর-পূর্ব ক্ষেত্র বিদ্যুৎ ব্যবস্থা উন্নতিকরণ প্রকল্প অনন্য অবদান রাখবে।

ত্রিপুরা রাজ্য বিদ্যুৎ নিগম লিমিটেড
(ত্রিপুরা সরকারের অধিনস্থ একটি সংস্থা)

DETAILS OF PUBLIC CONSULTATION MEETING/জন মন্ত্রনা সভার বিবরণ

Subject/ বিষয়

Construction of 132 kV Udaipur - Amarpur Line ,132kV Udaipur - Bagafa Line & associated distribution lines(with financial assistance of WORLD BANK) under NERPSIP Project

NERPSIP প্রকল্পের আওতায় (বিশ্ব ব্যাংকের আর্থিক সহায়তায়) 132kV উদয়পুর- অমরপুর, 132kV উদয়পুর -বাগাফা পরিবাহী লাইন এবং সংযুক্ত বন্টন লাইন নির্মাণ

Place of Meeting/সভার স্থান

Matabari RD Block(BDO Office Conference Hall)/ মাতাবারী ব্লক (BDO অফিস কনফারেন্স হল)

Date of Meeting/সভার তারিখ

20.09.2014 / ২০.০৯.২০১৪

Name of the dignitary present in the meeting/ সভায় উপস্থিত মর্যাদাপূর্ণ ব্যক্তিদের নাম

A. Tripura Government/ ত্রিপুরা সরকার

1) Smt. Nivedita Bhaumik, BDO
2) Sri Roy Ramkrishna Bhowmik, Chairman
3) Sri Madhusudan Bhowmik, Vice-Chairman
4) Sri Daharam Reang, BAC Chairman

B. TSECL Officials/ TSECL কর্মকর্তারা

1. Sh. Ratan Das, DGM,TSECL

C. POWERGRID Officials/ পাওয়ার গ্রিড কর্মকর্তারা

1. Sh. N. Dube, DGM, POWERGRID
2. Sh. D.N.Brahma, Chief Manager, POWERGRID
3. Sh. Uttam Debnath, Sr. Engineer, POWERGRID

People present in the meeting/ সভায় উপস্থিত জনসাধারণ

150-200 nos. of local village and some common public .(Attendance Sheet Enclosed)
150-200 জন স্থানীয় গ্রাম এবং কিছু সাধারণ পাবলিক (উপস্থিত ব্যক্তিবর্গের সাক্ষর)

Point addressed to the people/ জনতা সাধারণের উদ্দেশ্য ভাষণ:

A brief of the NORTH EASTERN REGION POWER SYSTEM IMPLEMENTATION PROJECT(NERPSIP) under the world bank assistance has been deliberated at the beginning of the meeting by Sh. Ratan Das, DGM,TSECL. Importance & necessity of the project, necessity for upgradation of existing transmission & distribution network, various environment & Social issues associated with the project have been briefly discussed and appraised to the public present in the meeting.

আলোচনা সভার শুরুতে TSECL এর ডেপুটি জেনারেল ম্যানেজার শ্রী রতন দাস মহাশয় বিশ্ব ব্যাংকের আর্থিক সহায়তায় উত্তর পূর্ব ক্ষেত্র বিদ্যুৎ ব্যবস্থা উন্নতিকরণ প্রকল্প(NERPSIP) সম্বন্ধে জনসাধারণের উদ্দেশ্যে সংক্ষিপ্ত তথ্য দিলেন । তাছাড়া প্রকল্পের প্রয়োজনীয়তা ও গুরুত্ব, বিদ্যুৎ পরিবাহী লাইন এবং বন্টন লাইন এর ক্ষমতা বৃদ্ধির প্রয়োজনীয়তা, প্রকল্পের সঙ্গে যুক্ত বিভিন্ন পরিবেশ ও সামাজিক বিষয়, সম্বন্ধে সংক্ষিপ্ত আলোচনা উত্থাপন করলেন উপস্থিত জনসাধারণের উদ্দেশ্যে ।

Response from Public/ জনতা সাধারণের থেকে প্রতিক্রিয়া

Representatives from the public also responded and raised various concerns about the project. The various issues raised by public are summarised as below:-

- What is compensation policy for the standing crops damaged and compensation for the land occupied by the tower footings
- What about employment for local people and procedure for same
- What is the width of ROW for cutting trees? How much compensation for the trees will be given and when.

জনসাধারণের পক্ষ থেকেও প্রতিনিধিরা প্রতিক্রিয়া এবং প্রকল্প সম্পর্কে বিভিন্ন উদ্বেগ উত্থাপিত করলেন। জনসাধারণ দ্বারা উত্থাপিত কিছু গুরুত্বপূর্ণ বিষয় নীচের সংক্ষিপ্ত করা হলো :-

- দণ্ডায়মান ফসলের ক্ষতিপূরণের জন্য ক্ষতিপূরণ নিয়ম কি হবে এবং টাওয়ার বানানোর জন্য যে জমি লাগবে তার ক্ষতিপূরণের কি নিয়ম হবে ?
- এই প্রকল্পের জন্য স্থানীয় মানুষ এর কর্মসংস্থান এবং নিয়োগ পদ্ধতির কি নিয়ম হবে ?
- লাইন বানানোর সময় গাছ কাটার পরিমাণ/প্রস্থ কি হবে ? কখন এবং কি পরিমাণ ক্ষতিপূরণ দেওয়া হবে গাছের জন্য ?

Conclusion/ উপসংহার

However all the public present have unanimously agreed to the necessity and importance of the project and assured their co-operation during the implementation of the project.

TSECL/POWERGRID has assured that all the genuine issues will be duly taken care of during the implementation of the project. Furthermore

- For damaged crops,trees sufficient compensation will be given as per the rate provided by district revenue authority. Further no land will be accrued while constructing the tower but sufficient surface compensation will be provided.
- Local people will be engaged during the construction of line and the engagement will be as per their skill.
- The width of ROW of cutting trees will be 27 M and sufficient compensation will be given as per the rate provided by district revenue authority during the construction.

The meeting has been concluded with a request to all public for their support in completion of the project.

[illegible]

TSECL / [illegible] POWERGRID / TSECL [illegible]

- [illegible]
- [illegible]
- [illegible]

[illegible]

TRIPURA STATE ELECTRICITY CORPORATION LTD

(A GOVERNMENT OF TRIPURA ENTERPRISE)

Public Consultation Meeting

ATTENDENCE SHEET

Name of Line: Construction of 132 kV Udaipur - Amarpur Line ,132kV Udaipur - Bagafa Line & associated distribution lines(with financial assistance of WORLD BANK) under NERPSIP Project

Date: [illegible]

Venue: MATABARI

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
1	Chamela Das	[illegible]	[illegible]	[illegible]
2	Mahali Mahali	[illegible]	[illegible]	[illegible]
3	[illegible] Das	Rajnagar	[illegible]	[illegible]
4	[illegible]	Rajnagar	[illegible]	[illegible]
5	[illegible] Das	Pulamati	Teacher	[illegible]
6	[illegible]	Pulamati	[illegible]	[illegible]
7	[illegible] Das	Pulamati	[illegible]	[illegible]
8	[illegible]	Pulamati	[illegible]	[illegible]
9	[illegible] Das	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	Pulamati	[illegible]	[illegible]

TRIPURA STATE ELECTRICITY CORPORATION LTD
(A GOVERNMENT OF TRIPURA ENTERPRISE)

Public Consultation Meeting
ATTENDENCE SHEET

Name of Line:- Construction of 132 kV Udaipur - Amarpur Line ,132kV Udaipur - Bagafa Line & associated distribution lines(with financial assistance of WORLD BANK) under NERPSIP Project

Date- 20.09.2014 Venue- MATABARI

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
25	Sepali Das	N. Kunjaban		[illegible]
26	Sepali Das	- Do -		[illegible]
27	Kelu Das	- Do -		[illegible]
28	Purabi Saha	- Do -		[illegible]
29	Manika Majumder (Sarkar)	Matabari		Manika Majumder (Sarkar)
30	Archana Debnath	- Do -		Archana Debnath
31	Sahalam Neja Sarkar	Uttar Maharani	Member	[illegible]
32	Kalipa Kalhan	- Do -		[illegible]
33	Shyamal Majumder	Potamati	pradhan	Shyamal Majumder
34	Ratna Majumder	V. Matabari		Ratna Majumder (Das)
35	Manihar Begam	W. Kilpara		Manihar Begam
36	Kanu Guha	W. Do -		Kanu Guha

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ATTENDENCE SHEET

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Date- [illegible] Venue- MATABARI

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
13	[illegible]	Purba Kunjaban	[illegible]	[illegible]
14	[illegible]	Purba Kunjaban	[illegible]	[illegible]
15	[illegible]	Purba Kunjaban	[illegible]	[illegible]
16	[illegible]	Purba Kunjaban	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	Matabari	[illegible]	[illegible]
19	[illegible]	- Do -	[illegible]	[illegible]
20	[illegible]	Pitra		[illegible]
21	[illegible]	- Do -		[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]		[illegible]
24	[illegible]			[illegible]

TRIPURA STATE ELECTRICITY CORPORATION LTD
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Public Consultation Meeting
ATTENDENCE SHEET

Name of Line:- Construction of 132 kV Udaipur - Amarpur Line ,132kV Udaipur - Bagafa Line & associated distribution lines(with financial assistance of WORLD BANK) under NERPSIP Project

Date- [illegible]

Venue- MATABARI

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
33	[illegible]	[illegible]	[illegible]	[illegible]
34	[illegible]	[illegible]		[illegible]
35	[illegible] Das	[illegible]		[illegible] (Das)
36	[illegible] Day	Matabari		[illegible]
37	[illegible]	S- Do-		[illegible]
38	[illegible] Das	S- Do-		
39	Abhijit Datta			Abhijit Datta
40	[illegible] Das	Rajnagar		[illegible]
41	[illegible]	- Do-		[illegible]
42	[illegible] Das	- Do-		[illegible]
43	[illegible]	Maharani		[illegible]
44	[illegible] Das	- Do-		[illegible]

TRIPURA STATE ELECTRICITY CORPORATION LTD
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Public Consultation Meeting
ATTENDENCE SHEET

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Date- 20.09.2014

Venue- MATABARI

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
49	Babul Ghosh	Maharani		Babul Ghosh
50	Dulal Majumdar	- Do -		[illegible]
51	Sabiya Bibi	- Do -		[illegible]
52	Naresh Chakraborty	- Do -		Naresh Chakraborty
53	Himangshu Das	- Do -		[illegible]
54	Safali Datta	Kilpara		Safali Datta
55	Chinta Haran Das	Matabari		Chinta Haran Das
56	Ruru Nag	Pul Kumari		Ruru Nag
57	Goparani Das	- Do -		[illegible] (Sarkar)
58	Durarani Day	- Do -		[illegible]
59	Pabitra Majumdar	- Do -		[illegible]
60	Subash Sharma	S. Matabari		Subhash Sharma

TRIPURA STATE ELECTRICITY CORPORATION LTD

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ATTENDENCE SHEET

Name of Line:- Construction of 132 kV Udaipur - Amarpur Line, 132kV Udaipur - Bagafa Line & associated distribution lines/with financial assistance of WORLD BANK under NERPSIP Project

Date-

Venue- MATARABI

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
[illegible]	[illegible]	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	-do-	[illegible]	[illegible]

TRIPURA STATE ELECTRICITY CORPORATION LTD

(A GOVERNMENT OF TRIPURA ENTERPRISE)

Public Consultation Meeting

ATTENDENCE SHEET

Name of Line:- Construction of 132 kV Udaipur - Amarpur Line, 132kV Udaipur - Bagafa Line & associated distribution lines/with financial assistance of WORLD BANK under NERPSIP Project

Date-

Venue- MATARABI

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
[illegible]	[illegible]	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]		[illegible]
[illegible]	[illegible]	-do-		[illegible]
[illegible]	[illegible]	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]		[illegible]
[illegible]	[illegible]	-do-		[illegible]
[illegible]	[illegible]	-do-		[illegible]
[illegible]	[illegible]	-do-		[illegible]

TRIPURA STATE ELECTRICITY CORPORATION LTD
(A GOVERNMENT OF TRIPURA ENTERPRISE)

Public Consultation Meeting
ATTENDENCE SHEET

Name of Line:- Construction of 132 kV Udaipur - Amarpur Line ,132kV Udaipur - Bagafa Line & associated distribution lines(with financial assistance of WORLD BANK) under NERPSIP Project

Date- [illegible] Venue- MATABARI

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
77	Prema Ranjan Bhattacharjee	Uttar Matabari		[illegible]
78	Shikha Datta	Uttar Matabari		[illegible]
79	Jharna Udaiya	Kil Bari		[illegible]
80	Uma Sankar Ghosh	"		[illegible]
81	Sahari Miah	"		[illegible]
82	Nepal Ch. Das	Pitra		[illegible]
83	Mukhtaj Begam	— " —		[illegible]
84	[illegible]	Matabari		[illegible]
85	[illegible]	Rajnagar		[illegible]
86	[illegible]	"		[illegible]
87	[illegible]	Laxmi bari		[illegible]
88	[illegible]	"		[illegible]

TRIPURA STATE ELECTRICITY CORPORATION LTD
(A GOVERNMENT OF TRIPURA ENTERPRISE)

Public Consultation Meeting
ATTENDENCE SHEET

Name of Line:- Construction of 132 kV Udaipur - Amarpur Line ,132kV Udaipur - Bagafa Line & associated distribution lines(with financial assistance of WORLD BANK) under NERPSIP Project

Date- 20.09.2019 Venue- MATABARI

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
88	Sukla Rani Yogi	Laxmibari		[illegible]
89	Rina Sarkar	Maharani		[illegible]
90	Sadhana Das	"		Sadhana Das
91	Roy Satyajit Bhowmik	"		Roy Satyajit [illegible]
92	Arkase Miah	"		[illegible]
93	Jahan Ch. Bhowmik	"		[illegible]
94	Bisombandhu Datta	South Matabari		[illegible]
95	Dipak Roy	Pitra		Dipak Roy
96	Kuntal Das	South Matabari		Kuntal Das
97	Ranjit Choudhury	Pitra		Ranjit Choudhury
98	Biplab Roy	Dakshin Matabari		Biplab Roy
99	Giribala Das	Matabari		[illegible]

TRIPURA STATE ELECTRICITY CORPORATION LTD
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Public Consultation Meeting
ATTENDENCE SHEET

Name of Line:- Construction of 132 kV Udaipur - Amarpur Line ,132kV Udaipur - Bagafa Line & associated distribution lines(with financial assistance of WORLD BANK) under NERPSIP Project

Date- 20.09.2014 Venue- MATABARI

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
100	Alpana Das (Deb)	Matabari		[illegible]
101	Shefali Datta	Khilpara		Sefali Datta
102	Jadulal Das	Matabari		[illegible]
103	Sukhla Das (Banik)	Rajnagar	P. Samiti Member	Sukhla Das (Banik)
104	Litan Kanti Sen	Kunjaban		Litan Kanti Sen
105	Sujit Das	- DO -		Sujit Das
106	Jahal Palawan	Paschim Khilpara	Member	Palawan
107	Subash Karmakar	Kunjaban		Subash Karmakar
108	Aba Dey	[illegible] Kumari		[illegible]
109	Simanalla Das	W. Khilpara		[illegible]
110	Ma. Kidal	Vidhar Matabari	Samati	[illegible]
111	Ratnarani Sutradhar	E. Kunjaban		[illegible]

DETAILS OF PUBLIC CONSULTATION MEETING/জন মন্ত্রনা সভার বিবরণ

Subject/ বিষয়

Construction of 132 kV Udaipur – Bagafa Line ,132kV Bagafa- Satchand Line,132kV Bagafa – Belonia Line & associated distribution lines(with financial assistance of WORLD BANK) under NERPSIP Project

NERPSIP প্রকল্পের আওতায় (বিশ্ব ব্যাংকের আর্থিক সহায়তায়) 132kV উদয়পুর- বাগাফা, 132kV বাগাফা - সাতচান্দ ও 132kV বাগাফা - বীলোনিয়া পরিবাহী লাইন এবং সংযুক্ত বন্টন লাইন নির্মাণ

Place of Meeting/সভার স্থান

Bagafa RD Block(BDO Office Conference Hall)/ বাগাফা ব্লক (BDO অফিস কনফারেন্স হল)

Date of Meeting/সভার তারিখ

15.09.2014 / ১৫.০৯.২০১৪

Name of the dignitary present in the meeting/ সভায় উপস্থিত মর্যাদাপূর্ণ ব্যক্তিদের নাম

A. **Tripura Government/ ত্রিপুরা সরকার**
1) Sh. Himangsu Roy, Sabhaadhipati, Belonia, South Tripura District
2) Sh.Sankar Majumdar, chairman Bagafa Block.
3) Sh. Parikshit Mora Singh, BAC Chairman
4) Sh. Arpan Dutta, Vice-Chairman
5) Sh. Hiralal Debbarma, Sr. DM
6) Sh. Ashish Dutta, BDO, Bagafa

B. **TSECL Officials/ TSECL কর্মকর্তারা**
1. Sh. Ratan Das, DGM,TSECL

C. **POWERGRID Officials/ পাওয়ার গ্রিড কর্মকর্তারা**
1. Sh. N. Dube, DGM, POWERGRID
2. Sh. D.N.Brahma, Chief Manager, POWERGRID
3. Sh. Uttam Debnath, Sr. Engineer, POWERGRID

People present in the meeting/ সভায় উপস্থিত জনসাধারণ

200-250 nos. of local village and some common public .(Attendance Sheet Enclosed)
200-250 জন স্থানীয় গ্রাম এবং কিছু সাধারণ পাবলিক (উপস্থিত ব্যক্তিবর্গের সাক্ষর)

Point addressed to the people/ জনগণ সাধারণের উদ্দেশ্য ভাসন:

A brief of the NORTH EASTERN REGION POWER SYSTEM IMPLEMENTATION PROJECT(NERPSIP) under the world bank assistance has been deliberated at the beginning of the meeting by Sh. Rattan Das, DGM,TSECL. Importance & necessity of the project, necessity for upgradation of existing transmission & distribution network, various environment & Social issues associated with the project have been briefly discussed and appraised to the public present in the meeting.

আলোচনা সভার শুরুতে TSECL এর ডেপুটি জেনারেল ম্যানেজার শ্রী রতন দাস মহাসয় বিশ্ব ব্যাংকের আর্থিক সহায়তায় উত্তর পূর্ব ক্ষেত্র বিদ্যুৎ ব্যবস্থা উন্নতিকরণ প্রকল্প(NERPSIP) সম্বন্ধে জনসাধারনের উদ্দেশ্যে সংক্ষিপ্ত তথ্য দিলেন । তাছাড়া প্রকল্পের প্রয়োজনীয়তা ও গুরুত্ব, বিদ্যুৎ পরিবাহী লাইন এবং বন্টন লাইন এর ক্ষমতা বৃদ্ধির প্রয়োজনীয়তা, প্রকল্পের সঙ্গে যুক্ত বিভিন্ন পরিবেশ ও সামাজিক বিসয়, সম্বন্ধে সংক্ষিপ্ত জানামন্ত্রানা উত্থাপন করলেন উপস্থিত জনসাধারনের উদ্দেশ্যে ।

Response from Public/ জনগণ সাধারণের থেকে প্রতিক্রিয়া

Representatives from the public also responded and raised various concerns about the project. The various issues raised by public are summarised as below:-

- ✓ Whether this line will improve the power supplies in our village and remove frequent interruption/outage
- ✓ Whether these lines are safe for the nearby dwellers without any problems of electrocution while working in the fields
- ✓ What is compensation policy for the standing crops damaged and compensation for the land occupied by the tower footings

জনসাধারণের পক্ষ্য থেকেও প্রতিনিধিরা প্রতিক্রিয়া এবং প্রকল্প সম্পর্কে বিভিন্ন উদ্বেগ উত্থাপিত করলেন ।জনসাধারণ দ্বারা উত্থাপিত কিছু গুরুত্বপূর্ণ বিষয় নীচের সংক্ষিপ্ত করা হলো :-

- ➢ এই প্রকল্প এর জন্য আমাদের গ্রামে বিদ্যুৎ সরবরাহ উন্নত হবে কিনা এবং ঘন ঘন বিদ্যুত বিভ্রাট মুক্ত ফেলা যাবে কিনা ?
- ➢ এই লাইন এর জন্য নিকটবর্তী গ্রামবাসীরা তাদের জমিতে কাজ করার সময় তরিতাহত হয়ে কোনো ক্ষতিগ্রস্ত হবে কিনা ?
- ➢ ক্ষতিগ্রস্ত ফসলের ক্ষতিপূরণের জন্য ক্ষতিপূরণ নিয়ম কি হবে এবং টাওয়ার বানানোর জন্য যে জমি লাগবে তার ক্ষতিপূরণের কি নিয়ম হবে ?

Conclusion/ উপসংহার

However all the public present have unanimously agreed to the necessity and importance of the project and assured their co-operation during the implementation of the project.

TSECL/POWERGRID has assured that all the genuine issues will be duly taken care of during the implementation of the project. Further

- ➢ This transmission line along with associated distribution line planned to be constructed for improvement of electricity supply and minimize the power cut in your village
- ➢ Sufficient electrical clearance will be maintained while construction of these line and hence no electrocution while working in the field.
- ➢ For damaged crops,trees sufficient compensation will be given as per the rate provided by district revenue authority. Further no land will be acquired while constructing the tower but sufficient surface compensation will be provided.

The meeting has been concluded with a request to all public for their support in completion of the project.

তবে সবশেষে উপস্থিত জনসাধারণ সর্বসম্মতিক্রমে প্রকল্পের প্রয়োজনীয়তা এবং গুরুত্ব নিয়ে একমত প্রকাশ করেছেন এবং প্রকল্প বাস্তবায়ন সময় তাদের সহযোগিতা নিশ্চিত করেছেন ।

TSECL / পাওয়ার গ্রিড কর্মকর্তারা সমস্ত বাস্তব সমস্যা উপর প্রকল্প বাস্তবায়নের সময় যথাযথ ব্যবস্থা নেওয়ার আশ্বাস দিয়েছেন. তাছাড়া

- ➢ এই বিদ্যুৎ পরিবাহী লাইন এবং সংযুক্ত বন্টন লাইন নির্মাণ এর ফলে এই এলাকার বিদ্যুৎ সরবরাহ উন্নতি হবে এবং ঘন ঘন বিদ্যুৎ কাটা বন্ধ হবে।
- ➢ বিদ্যুৎ পরিবাহী লাইন এবং বন্টন লাইন নির্মাণের সময় যথেষ্ট নিরাপত্তামূলক ব্যবস্থা গ্রহণ করা হবে যাতে বিদ্যুৎ পরিবাহী লাইন এবং কাছের লাইন [illegible] বা নির্মাণাধীন অবস্থায় কাজ করা [illegible] কোনো দুর্ঘটনার সম্ভাবনা না থাকে।
- ➢ ক্ষতিগ্রস্ত ফসলের ও গাছ এর জন্য কোনো প্রকার ক্ষতিপূরণ দেওয়া হবে না [illegible] ক্ষতিপূরণ দেওয়া হবে। টাওয়ার বানানোর জন্য কোনো জমি অধিগ্রহণ করা হবে না কিন্তু টাওয়ার বানানোর কাজে যে কাজ বা ফসল জমি হবে তার জমি ক্ষতি পূরণ দেওয়া হবে

প্রকল্প বাস্তবায়নে জনসাধারণের সহযোগিতার আশ্বাসের সঙ্গে সভা সমাপ্তির ঘোষণা করা হয়েছে

TRIPURA STATE ELECTRICITY CORPORATION LTD
(A GOVERNMENT OF TRIPURA ENTERPRISE)

Public Consultation Meeting
ATTENDENCE SHEET

Name of Line:- Construction of 132 kV Udaipur - Bagafa Line ,132kV Bagafa- Satchand Line,132kV Bagafa - Belonia Line & associated distribution lines(with financial assistance of WORLD BANK) under NERPSIP Project

Date- 15.09.2014 Venue- BAGAFA

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
1	Sona Das	Lokhana	House wife	Sona Das
2	[illegible]	Lougong	-do-	[illegible]
3	[illegible]	Lougong	"	[illegible]
4	[illegible]	Lougong	"	[illegible]
5	[illegible]	Lougong	"	[illegible]
6	[illegible]	Subashchandra	"	[illegible]
7	[illegible]	-do-	"	[illegible]
8	[illegible]	[illegible]	"	[illegible]
9	[illegible]	-do-	Business	[illegible]
10	[illegible]	-do-	"	[illegible]
11	[illegible]	Lougong	"	[illegible]

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Date- 15.09.2014 Venue- BAGAFA

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
12	Rasmohan Chowdhury	Gardhang	Former	Rasmohan Chowdhury
13	Anjali Bhowmik	Gardhang	H/W	Anjali Bhowmik
14	Nirmal Tripura	Gardhang	Former	Nirmal Tripura
15	[illegible]	[illegible]	H/W	[illegible]
16	[illegible]	R.K. Gang	Former	Sujan Debnath
17	[illegible]	DO	Alo rani D/nath H/W	Alo rani D/nath
18	[illegible]	DO	H/W	Anju Das Dey
19	[illegible]	DO	H/W	Rakon Dey
20	[illegible]	Betaga	H/W	Tapasi Majumd
21	[illegible]	Betaga	H/W	[illegible]

TRIPURA STATE ELECTRICITY CORPORATION LTD
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Public Consultation Meeting
ATTENDENCE SHEET

Name of Line:- Construction of 132 kV Udaipur - Bagafa Line ,132kV Bagafa- Satchand Line,132kV Bagafa - Belonia Line & associated distribution lines(with financial assistance of WORLD BANK) under NERPSIP Project

Date- 15.04.2019 Venue- BAGAFA

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
22	MILAN DAS	LONGANG	[illegible]	[illegible]
23	[illegible]	Betage	Business	[illegible]
24	[illegible]	Betage	"	[illegible]
25	[illegible]	Betage	"	[illegible]
26	[illegible]	Betage	"	[illegible]
27	Bimal Ch. Das	Kanchanmagar	"	[illegible]
28	[illegible]	Kanchanmagar	[illegible]	[illegible]
29	[illegible]	DO	Business	[illegible]
30	[illegible]	DO	Business	[illegible]
31	[illegible]	[illegible]	Business	[illegible]
32	Tapan Das	[illegible]	Business	Tapan Das

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Date- 15.04.2019 Venue- BAGAFA

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
36	Saibapati Chakraborty	Kanchanmagar	Business	[illegible]
39	Monchai Roy	"	[illegible]	[illegible]
35	[illegible]	[illegible]	"	[illegible]
36	Shipra Bakter (Das)	"	"	[illegible]
37	[illegible]	"	"	[illegible]
38	Kabir Reang	"	Business	[illegible]
39	Bimal Dutta	"	"	Bimal Dutta
41	Sukhen Das	"	"	[illegible]
41	Nikhil Mama	"	"	[illegible]
42	[illegible]	"	"	[illegible]
43	Pankaj Nath	Betage	"	Pankaj Nath

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Public Consultation Meeting
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Date- 15.09.2016 Venue- BAGAFA

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
55	Prabir Debnath	Betaga	P/S	Prabir Deb
56	Ranga Mohan	"	Business	[illegible]
57	Raghunath Tripura	"	"	Raghunath Tripura
58	Dhirendra Rang	"	"	Dhirendra Rang
59	Samir Debnath	R.K Ganj	Pradhan	Samir Debnath
60	Smriti Nandi	Ranchannagar	Business	Smriti Nandi
61	Ranjati Janalia	Manu	"	Ranjati Janalia
62	Biswapati D/Barma	South Takm	"	Biswapati Sarma
63	Sukkari D/Barma	Rajapur	"	Shukshari Debbar
64	Bangla Mohan Noatia	Takmachan	"	Bangla Mohan Noatia
65	Panchalaxmi Tripura	Gardhang	"	[illegible]

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Public Consultation Meeting
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Date- 15.09.2016 Venue- BAGAFA

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
44	Shefali Rani Dhar	Betaga	[illegible]	[illegible]
45	Swapna Debnath	"	"	[illegible]
46	Madhumi Das	"	"	Madhumi Das
47	Sirsha Das	"	"	[illegible]
48	Supurna Das	East Bagafa	[illegible]	Supurna Das
49	Neeri Mog	Gardhang	[illegible]	[illegible]
50	Milan Das	"	[illegible]	[illegible]
51	Tayu Mog	"	Business	[illegible]
52	Sujit Tripura	Gardhang	"	Sujit Tripura
53	Pinaja Mog	Subhash Colony	"	[illegible]
54	Parimal Ch. Das	"	"	[illegible]

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Public Consultation Meeting
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Date- 15.09.2014 Venue- BAGAFA

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
66	Mahati Tripur	Takmachar	H/W	[illegible]
67	Prishni Priya Nagar (Nath)	Bagafa	Business	[illegible]
68	Priyabani Rudrapal	Bagafa	"	[illegible]
69	Ajit Das	R.B. Garry	"	[illegible]
70	Shyamal Dutta	Khadam Nagar	"	[illegible]
71	Nirmada [illegible]	Tripura Rule Control Society	"	[illegible]
72	Jumeh Das	East Bagafa	"	[illegible]
73	[illegible]		"	[illegible]
74				
75				
76				

DETAILS OF PUBLIC CONSULTATION MEETING/জন মন্ত্রণা সভার বিবরণ

Subject/ বিষয়

Construction of 132kV Bagafa- Satchand Line, 132kV Belonia - Sabroom Line & associated distribution lines(with financial assistance of WORLD BANK) under NERPSIP Project

NERPSIP প্রকল্পের আওতায় (বিশ্ব ব্যাংকের আর্থিক সহায়তায়) 132kV বাগাফা - সাতচান্দ ও 132kV বীলোনিয়া - সাব্রুম পরিবারী লাইন এবং সংযুক্ত বন্টন লাইন নির্মাণ

Place of Meeting/সভার স্থান

Satchand RD Block(BDO Office Conference Hall)/ সাতচান্দ ব্লক (BDO অফিস কনফারেন্স হল)

Date of Meeting/সভার তারিখ

26.09.2014 / ২৬.০৯.২০১৪

Name of the dignitary present in the meeting/ সভায় উপস্থিত মর্যাদাপূর্ণ ব্যক্তিদের নাম

A. Tripura Government/ ত্রিপুরা সরকার

1) Sh. Himangsu Roy, Sabhaadhipati, Belonia, South Tripura District
2) Sh. Hiralal Debbarma, Sr. DM
3) Sh. Goutam Chakraborty, BDO, Satchand

B. TSECL Officials/ TSECL কর্মকর্তারা

1. Sh. Ratan Das, DGM, TSECL

C. POWERGRID Officials/ পাওয়ার গ্রিড কর্মকর্তারা

1. Sh. N. Dube, DGM, POWERGRID
2. Sh. Anupam Acharya, Engineer, POWERGRID

People present in the meeting/ সভায় উপস্থিত জনসাধারণ

150-200 nos. of local village and some common public. (Attendance Sheet Enclosed)
150-200 জন স্থানীয় গ্রাম এবং কিছু সাধারণ পাবলিক (উপস্থিত ব্যক্তিবর্গের সাক্ষর)

Point addressed to the people/ আমরা সাধারণের উদ্দেশ্য ছিলো:

A brief of the NORTH EASTERN REGION POWER SYSTEM IMPLEMENTATION PROJECT(NERPSIP) under the world bank assistance has been deliberated at the beginning of the meeting by Sh. Ratan Das, DGM,TSECL. Importance & necessity of the project, necessity for upgradation of existing transmission & distribution network, various environment & Social issues associated with the project have been briefly discussed and appraised to the public present in the meeting.

আলোচনা সভার শুরুতে TSECL এর ডেপুটি জেনারেল ম্যানেজার শ্রী রতন দাস মহাশয় বিশ্ব ব্যাংকের আর্থিক সহায়তায় উত্তর পূর্ব অঞ্চল বিদ্যুৎ ব্যবস্থা উন্নতিকরণ প্রকল্প(NERPSIP) সম্বন্ধে জনসাধারণের উদ্দেশ্যে সংক্ষিপ্ত তথ্য পেশ। তাছাড়া প্রকল্পের প্রয়োজনীয়তা ও গুরুত্ব, বিদ্যুৎ পরিবাহী লাইন এবং বন্টন লাইন এর ক্ষমতা বৃদ্ধির প্রয়োজনীয়তা, প্রকল্পের সাথে যুক্ত বিভিন্ন পরিবেশ ও সামাজিক বিষয়, সম্বন্ধে সংক্ষিপ্ত আলোচনা উত্থাপন করেন উপস্থিত জনসাধারণের উদ্দেশ্যে।

Response from Public/ আমরা সাধারণের থেকে প্রতিক্রিয়া

Representatives from the public also responded and raised various concerns about the project. The various issues raised by public are summarised as below:-

- Whether this line will improve the power supplies in our village and remove frequent interruption/outage?
- Whether these lines are safe for the nearby dwellers without any problems of electrocution while working in the fields?
- What is compensation policy for the standing crops damaged and compensation for the land occupied by the tower footings?
- What about employment for local people and procedure for same ?

জনসাধারণের পক্ষ থেকেও প্রতিনিধিরা প্রতিক্রিয়া এবং প্রকল্প সম্পর্কে বিভিন্ন উদ্বেগ উত্থাপিত করেন। জনসাধারণ দ্বারা উত্থাপিত কিছু গুরুত্বপূর্ণ বিষয় নীচের সংক্ষিপ্ত করা হলো :-

- এই প্রকল্প এর জন্য আমাদের গ্রামে বিদ্যুৎ সরবরাহ উন্নত হবে কিনা এবং ঘন ঘন বিদ্যুৎ বিভ্রাট দূর করা যাবে কিনা ?
- এই লাইন এর জন্য নিকটবর্তী গ্রামবাসীরা তাদের জমিতে কাজ করার সময় ঝুঁকিমুক্ত থাকে কোনো ক্ষতিগ্রস্ত হবে কিনা ?
- ক্ষতিগ্রস্ত ফসলের ক্ষতিপূরণের জন্য ক্ষতিপূরণ নিয়ম কি হবে এবং টাওয়ার বসানোর জন্য যে জমি লাগবে তার ক্ষতিপূরণের কি নিয়ম হবে ?
- এই প্রকল্পের জন্য স্থানীয় মানুষ এর কর্মসংস্থান এবং নিয়োগ পদ্ধতির কি নিয়ম হবে ?

Conclusion/ উপসংহার

However all the public present have unanimously agreed to the necessity and importance of the project and assured their co-operation during the implementation of the project.

TSECL/POWERGRID has assured that all the genuine issues will be duly taken care of during the implementation of the project.

- This transmission line along with associated distribution line planned to be constructed for improvement of electricity supply and minimize the power cut in your village
- Sufficient electrical clearance will be maintained while construction of these line and hence no electrocution while working in the field.
- For damaged crops,trees sufficient compensation will be given as per the rate provided by district revenue authority. Further no land will be accrued while constructing the tower but sufficient surface compensation will be provided.
- Local people will be engaged during the construction of line and the engagement will be as per their skill.

The meeting has been concluded with a request to all public for their support in completion of the project.

তবে সমস্ত উপস্থিত জনসাধারণ সর্বসম্মতিক্রমে প্রকল্পের প্রয়োজনীয়তা এবং গুরুত্ব নিয়ে একমত প্রকাশ করেছেন এবং প্রকল্প বাস্তবায়ন সময় তাদের সহযোগিতা নিশ্চিত করেছেন।

TSECL / পাওয়ার গ্রিড কর্মকর্তারা সমস্ত স্থানীয় মানুষ সমাবেশ উপস্থিত প্রকল্প বাস্তবায়নের সময় সহযোগিতা সমস্ত সহায়তা দেবার আশ্বাস দিয়েছেন। জনসাধারণের প্রশ্নের উত্তরে POWERGRID/TSECL কর্মকর্তারা বলেন,

- এই বিদ্যুৎ পরিবাহী লাইন এবং সংযুক্ত বন্টন লাইন নির্মাণ এর ফলে এই এলাকার বিদ্যুৎ ব্যবস্থার উন্নতি হবে এবং ঘন ঘন বিদ্যুৎ কাটা বন্ধ হবে।
- বিদ্যুৎ পরিবাহী লাইন এবং বন্টন লাইন নির্মাণের সময় যথেষ্ট আনুষঙ্গিক ব্যবস্থার সুরক্ষাব্যবস্থা করা হবে যাতে বিদ্যুৎ পরিবাহী লাইন এবং বন্টন লাইন কাছাকাছি বা নিকটবর্তী মাঠে কাজ করা লোকদের কোনো ক্ষতিগ্রস্ত সম্ভাবনা না থাকে।
- ক্ষতিগ্রস্ত ফসলের ও গাছ এর জন্য জেলা প্রশাসক কর্তৃপক্ষ দ্বারা উপযুক্ত হারে অনুযায়ী ক্ষতিপূরণ দেওয়া হবে। টাওয়ার বসানোর জন্য কোনো জমি অধিগ্রহণ করা হবে না কিন্তু টাওয়ার বসানোর ফলে যে গাছ বা ফসল ক্ষতি হবে তার ক্ষতি পূরণ দেওয়া হবে
- প্রকল্পে কাজের জন্যদের সময় প্রাধান্য দেওয়া স্থানীয় কারিগর/ শ্রমিক দের তাদের যোগ্যতা অনুযায়ী নিয়োগ করা হবে।

প্রকল্প বাস্তবায়নে জনসাধারণের সহযোগিতার জন্যদের সাথে সভা সমাপ্তির ঘোষণা করা হয়েছে

TRIPURA STATE ELECTRICITY CORPORATION LTD
(A GOVERNMENT OF TRIPURA ENTERPRISE)

Public Consultation Meeting
ATTENDENCE SHEET

Name of Line: Construction of 132kV Bagafa- Satchand Line,132kV Belonia - Sabroom Line & associated distribution lines

Venue- SATCHAND

Date- 26.07.2014

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
1	Sri Brouri Pal	Thaitun	Member	
2	Sri Munsi Tripura	Uttarghorkhali	Member	Munsi Tripura
3	Sri Swapna Das	Dakhin Ghotaloli	Member	[illegible]
4	Smt. Kanchanmala Tripura	Kalachara	Member	Kanchan Tripura
5	Smt. Lalita Das	Nabagram	member	[illegible]
6	Sri Khokan Ray	Kalachara	Upa - Pradhan	Khokan Ray
7	Sri Ganesh Ch. Ray	— do —	member	Ganesh Ch. Ray
8	Smt. Nikeditta Nandi Bhowmik	Purba Harina	Pradhan	Nibedeta Nandi (Bhowmik)
9	Smt. Usha Rani Ley	Purba Harina Purba Jalifa	member	[illegible]
10	Smt. Santibala Shil	Purba Harina	Member	[illegible]
11	Sri Ratna Debnath	— do —	— do —	[illegible]
12	Sri Kamal Krishna Debnath	— do —	— do —	Kamal Krishna Debnath

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Venue- SATCHAND

Date- 26.07.2014

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
13	Sri Dulal Das	Purba Harina	Member	[illegible]
14	Sri Shiranjit Ch. Tripura	Satchand	Member	[illegible]
15	Sri [illegible]	Manubazar	Member	[illegible]
16	Smt. Jharna Das (Nandi)	— do —	Member	[illegible]
17	Smt. [illegible]	— do —	— do —	[illegible]
18	Smt. [illegible]	[illegible]	— do —	[illegible]
19	Smt. Lipika Das Bhaumadar	— do —	— do —	[illegible]
20	Smt. Laxmi Sarkar	Manubazar	— do —	[illegible]
21	Sri Shyamal Bhaumik	— do —	— do —	[illegible]
22	Smt. Shipra Pal	— do —	— do —	Shipra Pal
23	Smt. [illegible]	— do —	— do —	[illegible]
24	" [illegible] Tripura	[illegible]	— do —	[illegible]

TRIPURA STATE ELECTRICITY CORPORATION LTD

(A GOVERNMENT OF TRIPURA ENTERPRISE)

Public Consultation Meeting

ATTENDENCE SHEET

Name of Line:- Construction of 132kV Bagafa-Satchand Line,132kV Belonia - Sabroom Line & associated distribution lines

Date- 26.09.2014 Venue- SATCHAND

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
25	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	Chairman	[illegible]
28	[illegible]	[illegible]	Member	[illegible]
29	[illegible]	[illegible]	— do —	[illegible]
30	[illegible]	[illegible]	— do —	[illegible]
31	[illegible]	[illegible]	— do —	[illegible]
32	[illegible]	— do —	— do —	[illegible]
33	[illegible]	— do —	— do —	[illegible]
34	[illegible]	— do —	— do —	[illegible]

TRIPURA STATE ELECTRICITY CORPORATION LTD

(A GOVERNMENT OF TRIPURA ENTERPRISE)

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ATTENDENCE SHEET

Name of Line:- Construction of 132kV Bagafa-Satchand Line,132kV Belonia - Sabroom Line & associated distribution lines

Date- 26.09.2014 Venue- SATCHAND

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
35	[illegible]	[illegible]	President	[illegible]
36	[illegible]	[illegible]	Member	[illegible]
37	[illegible]	— do —	President	[illegible]
38	[illegible]	[illegible]	President	[illegible]
39	[illegible]	[illegible]	Member	[illegible]
40	[illegible]	— do —	— do —	[illegible]
41	[illegible]	— do —	— do —	[illegible]
42	[illegible]	[illegible]	President	[illegible]
43	[illegible]	— do —	Member	[illegible]
44	[illegible]	— do —	— do —	[illegible]
45	[illegible]	[illegible]	— do —	[illegible]
46	[illegible]	[illegible]	— do —	[illegible]

TRIPURA STATE ELECTRICITY CORPORATION LTD

(A GOVERNMENT OF TRIPURA ENTERPRISE)

Public Consultation Meeting

ATTENDENCE SHEET

Name of Line:- Construction of 132kV Bagafa- Satchand Line,132kV Belonia - Sabroom Line & associated distribution lines

Date- [illegible] Venue- SATCHAND

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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Name of Line:- Construction of 132kV Bagafa- Satchand Line,132kV Belonia - Sabroom Line & associated distribution lines

Date- [illegible] Venue- SATCHAND

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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Date- 26.09.2014 Venue- SATCHAND

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
83	Sri. Parimal Debnath	Rajibnagar	member	Parimal Deb Nath
84	Smt- Jyotsna Chakma	Kabulura	— do —	Jyotsna Chakma
85	Sri. Jayanta Bhowmik	Battala	— do —	Jayanta Bhowmik
86	" Sibu Ranjan Das	— do —	"	Sibu Ranjan Das
87	" Parimal Nama	N. Balakar	"	[illegible]
88	" Tapan Majumder	Battala	"	Tapan Majumder
89	Smt- Maya Rani Nath	— do —	"	Maya Rani Nath
90	" Bebi Rani Das	E. Hazima	"	Bebi Rani Das
91	" Renuka Das	— do —	"	[illegible]
92	" Putul Das	Jalapa	"	[illegible]
93	" Parimal Shill	B- Jalapa	Farmer	[illegible]
94	Smt- Jayanti Tripura	— do —	Member	[illegible]

TRIPURA STATE ELECTRICITY CORPORATION LTD
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Public Consultation Meeting
ATTENDENCE SHEET

Name of Line:- Construction of 132kV Bagafa- Satchand Line,132kV Belonia - Sabroom Line & associated distribution lines

Date- 26.09.2014 Venue- SATCHAND

Sl. no.	Name of the Present Villager	Name of Village/Address	Work/Profession	Sign.
95	Smt - Ratna Sharma	E-Jalapa	member	Ratna Sharma
96	Sh. Jahar Lala Sarkar	Nandigram	-do-	Jahar Lal Sarkar
97	" Dhananjoy Debnath	Rajibnagar	do-	Dhananjoy Debnath
98	" Amar Ch. Das	Sukanta Pally	-do-	Amar Ch. Das
99	" Narayan Debnath	-do-	"	[illegible]
100	" Chintaharan Das	-do-	Pradhan	[illegible]
101	Smt - Sikha Das Majumdar	Bijoynagar	member	Sikha Das Majumdar
102	Sh. Bishwajit Majumdar	-do-	"	Bishwajit Majumdar
103	" Rajib Sarkar	-do-	"	Rajib Sarkar
104	" Baba Tosh Majumdar	-do-	"	Baba Tosh Majumdar
105	Smt Madhu Sarkar	-do-	"	Madhu Sarkar
106	" Rina Subradar	-do-	"	[illegible]

Photographs of Public Consultation held on 15th Sep'2014 at Bagafa

Photographs of Public Consultation held on 20th Sep'2014 at Udaipur

Photographs of Public Consultation held on 26th Sep'2014 at Satchand

CROSSING DETAILS

LINK NAME: PROPOSED 33/11 kV AMARPUR S/S TO PROPOSED 33/11 kV DALAK S/S				
S.No.	Description	Unit	Quantity	Remarks
A	Pole Height			
1	0 m Extension	390		
2	2 m Extension	80		
3	4 m Extension	164		
B	Crossings			
1	LT Line Crossing	56		
2	11 kV Crossing	63		
3	66 kV Crossing	16		
4	NH Crossing	0		
C	River Crossing	1		
D	Canal Crossing	1		
E	Nala Crossing	6		
F	Road Crossing	151		
G	Span Violation	1		
H	Angle Violation	2		

Note: We have approved 12 m Pole Drawing (0 m Extension) and we have proposed 14 m Pole (2 m Extension) and 16 m Pole (4 m Extension) for crossings.

Pole schedule with normal pole (40 m) and which are within the permissible limit of angle of deviation & with permissible limit of individual span are approved. Put on hold all road crossing spans, powerline crossing spans, railway crossing span, river crossing spans etc. and spans having angle of individual span limit violations. Detail profile to be submitted for the above crossings.

23/09/2017
(S.I.dl)

TECHNOFAB ENGINEERING LIMITED TRIPURA

priyanshu (AET)
19/09/017

एम. के. नाग / M. K. NAG
प्रबंधक / MANAGER
पावरग्रिड / POWERGRID
उ.पू.क्षे. / AIPUR

SUBMITTED BY:
TechnoFab Engineering Ltd.

CHECKED BY:
PGCIL

APPROVED BY:
PGCIL

POLE SUMMARY

POLE SUMMARY DETAILS							
TRIPURA STATE ASSOCIATED WITH NER POWER SYSTEM IMPROVEMENT PROJECT (DMS PACKAGE-03)							
TRI-DMS-01 (3603) CC-CS/86-NER/REW-2984/1/G2/NOA-I/7166 & 7167 Date: 22.02.2017							
LINE LINK: PROPOSED 33/11 kV AMARPUR S/S TO PROPOSED 33/11 kV DALAK S/S							
TOTAL LINE LENGTH: 14.332 km							
S.No.	Type of Pole	Extension	Pole Qty	12 m Pole	14 m Pole	16 m Pole	Remark:
1	SP (GA-01)	0 m	12	12			
2		2 m	4		4		
3		4 m	7			7	
4	SP (GA-02)	0 m	60	60			
5		2 m	6		6		
6		4 m	15			15	
7	DP (GA-03)	0 m	117	234			
8		2 m	30		60		
9		4 m	42			84	
10	FP (GA-04)	0 m	13	52			
11		2 m	0		0		
12		4 m	10			40	
13	SP Double Circuit	0 m	2	2			
14		2 m	0		0		
15		4 m	1			1	
16	DP Double Circuit	0 m	15	30			
17		2 m	5		10		
18		4 m	7			14	
19	FP Double Circuit	0 m	0	0			
20		2 m	0		0		
21		4 m	1			4	
	TOTAL			390	80	165	

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:
TechnoFab Engineering Ltd.

Priyanshy (AET)
19/09/017

CHECKED BY:
PGCIL

एम. के. नाग / M. K. NAGGYN
प्रबंधक / MANAGER
पावरग्रिड / POWERGRID
उ.पू.से., उदयपुर / NER, UDAIPUR

APPROVED BY:
PGCIL

DETAIL POLE SCHEDULE OF " PROPOSED132/33KV AMARPUR S/S TO PROPOSED 33 KV DALAK S/S"

SL NO	AP NO	POLE NO.	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMULTV. LENGTH	CROSSING	VILLAGE NAME	GPS (WGS-84) EASTING	GPS (WGS-84) NORTHING	REMARKS
1	1	1	FP+0	0						THAK CHARA	91°38'34.9"	23°58'33.5"	
						30	30	30					
2	2	2	DP+0	0	29°45'54"LT					THAK CHARA	91°38'39"	23°58'33.3"	
						45	45	75	Nala, 11Kv				Hold
3	3	3	SP+4	4	2°52'33"RT					THAK CHARA	91°38'37.5"	23°58'33.7"	SP WITH ANGLE
						39	39	114	11Kv				
4	4	4	DP+4	4	11°57'46"LT					THAK CHARA	91°38'38.8"	23°58'34"	
						30	30	144	Vill Road				
5	5	5	DP+2	2	12°18'16"LT					THAK CHARA	91°38'39.8"	23°58'34.3"	
						44	44	188	Vill Road, LT Line				
6	6	6	DP+2	2	11°23'5"LT					THAK CHARA	91°38'41"	23°58'35.4"	
						44	44	232					
7	7	7	DP+0	0	19°12'8"RT					THAK CHARA	91°38'42"	23°58'36.5"	
						44	44	276	Vill Road				Hold
8	8	8	D/C DP+4	4	8°49'10"LT					THAK CHARA	91°38'43.8"	23°58'37.2"	USE DP FOR POWER LINE CROSSING (ONLINE)
						42	42	318	Vill Road, 33Kv				
9	9	9	SP+4	4	8°9'58"RT					THAK CHARA	91°38'44.4"	23°58'38.1"	SP WITH ANGLE Hold
						44			Vill Road				
10		9/1	SP+0	0						THAK CHARA			
						44	88	406	Vill Road				
11	10	10	SP+0	0	0°51'44"LT					THAK CHARA	91°38'47.1"	23°58'39.6"	SP WITH ANGLE
						40	40	446					
12	11	11	FP+4	4	78°38'50"RT					THAK CHARA	91°38'48.2"	23°58'40.1"	
						42	42	488	2Nos Vill Road, 2Nos LT Line, 11Kv				Hold
13	12	12	DP+4	4	26°37'46"RT					THAK CHARA	91°38'49.3"	23°58'39.1"	
						43			Vill Road, 2Nos LT Line				
14		12/1	SP+2	2						THAK CHARA			
						44	87	575					
15	13	13	SP+0	0	8°52'3"LT					THAK CHARA	91°38'50.2"	23°58'36.6"	SP WITH ANGLE Hold
						45	45	620	Vill Road				
16	14	14	DP+0	0	32°38'13"LT					THAK CHARA	91°38'50.9"	23°58'35.3"	
						44	44	664	Vill Road, Nala				
17	15	15	DP+0	0	81°56'26"LT					THAK CHARA	91°38'52.2"	23°58'34.4"	
						41	41	705					
18	16	16	SP+0	0	5°16'57"RT					THAK CHARA	91°38'53.7"	23°58'34.4"	SP WITH ANGLE Hold
						45	45	750	2Nos Vill Road, Canal				
19	17	17	FP+0	0	99°1'21"RT					THAK CHARA	91°38'55.2"	23°58'34"	
						44	44	794	66Kv				
20	18	18	DP+0	0	14°45'36"LT					THAK CHARA	91°38'54.7"	23°58'32.7"	
						41	41	835	Vill Road				
21	19	19	SP+0	0	9°18'50"LT					THAK CHARA	91°38'54.9"	23°58'31.2"	SP WITH ANGLE
						44	44	879					
22	20	20	SP+0	0	8°30'54"RT					THAK CHARA	91°38'54.8"	23°58'29.9"	SP WITH ANGLE
						41	41	920	Vill Road				Hold
23	21	21	SP+0	0	4°14'5"LT					THAK CHARA	91°38'54.8"	23°58'28.6"	SP WITH ANGLE
						44	44	964	Vill Road				
24	22	22	FP+0	0	88°53'51"LT					THAK CHARA	91°38'54.9"	23°58'27.2"	
						44	44	1008	Vill Road				
25	23	23	DP+0	0	22°0'4"LT					THAK CHARA	91°38'56.4"	23°58'27.3"	
						35	35	1043	Vill Road				
26	24	24	DP+0	0	29°49'49"RT					THAK CHARA	91°38'57.5"	23°58'27.9"	
						41	41	1084					
27	25	25	FP+0	0	80°32'44"LT					THAK CHARA	91°38'58.9"	23°58'27.9"	
						43	43	1127	Vill Road				
28	26	26	DP+0	0	48°24'59"RT					THAK CHARA	91°38'59.2"	23°58'29.3"	Hold
						40	40	1167	2Nos Vill Road				
29	27	27	SP+4	4	9°2'25"RT					THAK CHARA	91°39'0.4"	23°58'29.9"	SP WITH ANGLE
						28	28	1195	Vill Road, LT Line				
30	28	28	D/C DP+3	3	54°45'7"LT					THAK CHARA	91°39'1.1"	23°58'30.3"	ONLINE
						44			Vill Road, LT Line				
31		28/1	SP+4	4						THAK CHARA			
						45	89	1284	Vill Road				
32	29	29	D/C DP+0	0	0°20'27"RT					THAK CHARA	91°39'2"	23°58'33.1"	USE DP FOR POWER LINE CROSSING (ONLINE)
						42	42	1326	Vill Road				Hold
33	30	30	D/C DP+0	0	23°0'44"RT					THAK CHARA	91°39'2.3"	23°58'34.4"	ONLINE
						45	45	1371	Vill Road				Hold
34	31	31	D/C DP+0	0	5°48'22"RT					THAK CHARA	91°39'3.2"	23°58'35.4"	USE DP FOR POWER LINE CROSSING (ONLINE)
						36							
35		31/1	SP+4	4						THAK CHARA			
						41	77	1448	Nala, LT Line+11Kv, Metal Road				Hold
36	32	32	FP+4	4	98°22'36"RT					THAK CHARA	91°39'5.1"	23°58'37.5"	
						39	39	1487					
37	33	33	DP+0	0	41°42'25"RT					THAK CHARA	91°39'5.0"	23°58'36.5"	Hold
						42	42	1529	LT Line+11Kv, Vill Road				
38	34	34	D/C DP+0	0	8°41'10"RT					THAK CHARA	91°39'5.0"	23°58'35.2"	USE DP FOR POWER LINE CROSSING (ONLINE)
						42	42	1571	Metal Road				
39	35	35	DP+4	4	20°12'0"LT					THAK CHARA	91°39'5.0"	23°58'33.8"	Hold
						42	42	1613	Metal Road, 33Kv+LT Line, Vill Road				
40	36	36	DP+4	4	38°23'50"RT					THAK CHARA	91°39'5.0"	23°58'32.5"	
						42	42	1655	LT Line+11Kv, LT Line, 33Kv				
41	37	37	SP+4	4	0°16'16"LT					THAK CHARA	91°39'5.0"	23°58'31.0"	SP WITH ANGLE
						41	41	1696	Metal Road				
42	38	38	SP+0	0	7°47'56"LT					THAK CHARA	91°39'4.5"	23°58'30.1"	SP WITH ANGLE

TECHNOFAB ENGINEERING LIMITED TRIPURA

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APPROVED B

DETAIL POLE SCHEDULE OF " PROPOSED132/33KV AMARPUR S/S TO PROPOSED 33 KV DALAK S/S"

SL NO	AP NO	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DIVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS (WGS-84) EASTING	GPS (WGS-84) NORTHING	REMARKS
						33							
43		38/1	SP+4	4						THAK CHARA			
						36	71	1767	11Kv, LT Line, Vill Road				
44	39	39	FP+4	4	88°41'3"LT					THAK CHARA	91°39'3.6"	23°30'27.9"	
						33	92	1799	2Nos 11Kv, LT Line, 2Nos Metal Road				
45	40	40	FP+4	4	69°59'19"LT					THAK CHARA	91°39'4.7"	23°30'27.7"	
						41			LT Line				
46		40/1	SP+2	2						THAK CHARA			
						42	83	1882					
47	41	41	DP+0	0	33°5'20"RT					THAK CHARA	91°39'6.5"	23°30'29.9"	
						41	41	1923					
48	42	42	SP+5	0	4°53'50"LT					THAK CHARA	91°39'7.8"	23°30'29.7"	SP WITH ANGLE
						42	42	1965					
49	43	43	D/C DP+0	0	13°35'4"LT					THAK CHARA	91°39'9.4"	23°30'29.6"	ONLINE
						42							
50		43/1	D/C SP+0	0						THAK CHARA			ONLINE
						43	85	2050					
51	44	44	D/C DP+4	4	18°30'35"RT					THAK CHARA	91°39'12.1"	23°30'30.4"	ONLINE
						39	88	2088	Metal Road, LT Line+11Kv				
52	45	45	DP+4	4	26°13'36"RT					THAK CHARA	91°39'13.6"	23°30'30.4"	
						34	84	2122	LT Line+11Kv				
53	46	46	FP+4	4	84°16'7"LT					THAK CHARA	91°39'14.7"	23°30'29.9"	
						41							
54		46/1	SP+0	0						THAK CHARA			
						40	81	2203	Metal Road				
55	47	47	DP+0	0	16°50'43"RT					THAK CHARA	91°39'16.2"	23°30'32.2"	
						44	86	2247					
56	48	48	DP+0	0	19°41'9"LT					THAK CHARA	91°39'17.4"	23°30'33.2"	
						45	45	2292	66Kv				
57	49	49	SP+0	0	6°33'11"RT					THAK CHARA	91°39'18.2"	23°30'34.5"	SP WITH ANGLE
						34	34	2326					
58	50	50	DP+0	0	38°20'5"RT					THAK CHARA	91°39'19"	23°30'35.2"	
						44	44	2370	66Kv				
59	51	51	DP+2	2	11°51'15"RT					THAK CHARA	91°39'20.1"	23°30'35.5"	
						41	42	2411	Metal Road, LT Line, 11Kv				
60	52	52	D/C DP+2	2	11°15'0"RT					THAK CHARA	91°39'21.7"	23°30'36.4"	ONLINE
						41	42	2453					
61	53	53	D/C DP+2	2	7°54'48"LT					THAK CHARA	91°39'23.2"	23°30'36.4"	USE OF FOR POWER LINE CROSSING (ONLINE)
						39	88	2492	Metal Road, Vill Road, LT Line				
62	54	54	D/C DP+2	2	11°58'4"LT					KANTHAL BAGAN	91°39'24.1"	23°30'36.8"	ONLINE
						43	43	2535	11Kv				
63	55	55	SP+4	4	2°21'45"RT					KANTHAL BAGAN	91°39'26"	23°30'36.8"	SP WITH ANGLE
						42	42	2577	LT Line, Metal Road				
64	56	56	DP+4	4	10°20'51"RT					KANTHAL BAGAN	91°39'27.5"	23°30'37.2"	
						30	30	2607	Metal Road, 2Nos 11Kv				
65	57	57	D/C FP+4	4	34°22'21"RT					KANTHAL BAGAN	91°39'28.5"	23°30'37.2"	ONLINE
						43			LT Line				
66		57/1	D/C SP+0	0						KANTHAL BAGAN			ONLINE
						44	87	2694	LT Line				
67	58	58	D/C DP+4	4	20°46'55"LT					KANTHAL BAGAN	91°39'29.4"	23°30'36.5"	ONLINE
						39	39	2733	Metal Road, LT Line				
68	59	59	DP+2	2	15°31'36"LT					KANTHAL BAGAN	91°39'30.2"	23°30'35.5"	
						42	42	2775	Vill Road				
69	60	60	D/C DP+4	4	54°13'43"LT					KANTHAL BAGAN	91°39'31.4"	23°30'32.8"	ONLINE
						42	42	2817	Metal Road, LT Line				
70	61	61	SP+4	4	1°41'35"RT					KANTHAL BAGAN	91°39'32.8"	23°30'34"	SP WITH ANGLE
						38							
71		61/1	SP+4	4						KANTHAL BAGAN			
						42			11Kv				
72		61/2	SP+4	4						KANTHAL BAGAN			
						43							
73		61/3	SP+4	4						KANTHAL BAGAN			
						42			11Kv				
74		61/4	SP+4	4						KANTHAL BAGAN			
						42							
75		61/5	SP+2	2						KANTHAL BAGAN			
						42	251	3008	LT Line				
76	62	62	DP+2	2	4°13'38"RT					KANTHAL BAGAN	91°39'41.4"	23°30'35.1"	USE OF FOR POWER LINE CROSSING
						45	45	3113	LT Line				
77	63	63	SP+2	2	4°50'49"RT					KANTHAL BAGAN	91°39'42.9"	23°30'35.4"	SP WITH ANGLE
						38							
78		63/1	SP+0	0						KANTHAL BAGAN			
						42			11Kv				
79		63/2	SP+0	0						KANTHAL BAGAN			
						45							
80		63/3	SP+0	0						KANTHAL BAGAN			
						42	167	3280					
81	64	64	DP+0	0	14°44'31"RT					KANTHAL BAGAN	91°39'49.8"	23°30'35.1"	
						42	42	3322	Metal Road				
82	65	65	D/C DP+0	0	13°2'16"LT					KANTHAL BAGAN	91°39'50.3"	23°30'35.5"	ONLINE
						42	42	3364					
83	66	66	DP+0	0	26°30'21"RT					KANTHAL BAGAN	91°39'51.8"	23°30'35.5"	
						39	39	3396					

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TECHNOFAB ENGINEERING LIMITED TRIPURA

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19/09/017
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DETAIL POLE SCHEDULE OF " PROPOSED132/33KV AMARPUR S/S TO PROPOSED 33 KV DALAK S/S"

SL NO	AP NO	POLE NO.	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS (WGS-84) EASTING	GPS (WGS-84) NORTHING	REMARKS	
84	67	67	DP+0	0	78°7'56"LT					RANG KANG	91°39'52.8"	23°30'33.3"		
						42	42	3436						
85	68	68	D/C DP+0	0	0°9'31"RT					RANG KANG	91°39'52.7"	23°30'33.8"	USE DP FOR POWER LINE CROSSING (ONLINE)	
						42								
86		68/1	SP+0	0						RANG KANG				
						38	80	3516						
87	69	69	SP+0	0	3°28'54"RT					RANG KANG	91°39'51.2"	23°30'31.4"	SP WITH ANGLE	Hold
						38	38	3554	11kV/LT line, 11kV					
88	70	70	DP+4	4	36°0'24"LT					RANG KANG	91°39'51.9"	23°30'30.2"		
						42	42	3596	Metal Road, LT line+11kV, 11kV					
89	71	71	DP+4	4	0°54'7"RT					RANG KANG	91°39'52.5"	23°30'28.9"	USE DP FOR POWER LINE CROSSING	
						45	45	3641	Nala					Hold
90	72	72	DP+0	0	53°15'8"LT					RANG KANG	91°39'53.1"	23°30'27.6"		
						43	43	3684						
91	73	73	DP+4	4	11°17'27"LT					RANG KANG	91°39'54.6"	23°30'27.3"		
						41	41	3725	11kV					Hold
92	74	74	DP+4	4	22°7'45"RT					RANG KANG	91°39'56"	23°30'27.2"		
						42								
93		74/1	SP+0	0						RANG KANG				
						42	84	3809						
94	75	75	DP+2	2	34°28'33"LT					RANG KANG	91°39'58.7"	23°30'26.1"		
						44			LT Line					Hold
95		75/1	SP+2	2						RANG KANG				
						42	86	3895	11kV					
96	76	76	SP+0	0	3°17'34"RT					RANG KANG	91°40'1.8"	23°30'26.1"	SP WITH ANGLE	
						42	42	3937						
97	77	77	DP+0	0	52°58'21"RT					RANG KANG	91°40'3.2"	23°30'26"		
						42	42	3979	Metal Road					Hold
98	78	78	DP+0	0	16°28'43"LT					RANG KANG	91°40'4.1"	23°30'24.9"		
						44	44	4023						
99	79	79	SP+0	0	9°35'5"LT					RANG KANG	91°40'5.2"	23°30'23.9"	SP WITH ANGLE	
						42	42	4065						
100	80	80	DP+0	0	13°20'35"RT					RANG KANG	91°40'6.4"	23°30'23.1"		
						45	45	4110						
101	81	81	SP+0	0	8°37'48"LT					RANG KANG	91°40'7.4"	23°30'22"	SP WITH ANGLE	
						45	45	4155						
102	82	82	SP+0	0	7°19'53"LT					RANG KANG	91°40'8.6"	23°30'21"	SP WITH ANGLE	Hold
						42	42	4197	Metal Road					
103	83	83	SP+0	0	7°7'59"RT					RANG KANG	91°40'9.4"	23°30'20.2"	SP WITH ANGLE	
						42	42	4239	Metal Road					
104	84	84	DP+4	4	9°44'51"RT					RANG KANG	91°40'10.9"	23°30'19.3"	USE DP FOR POWER LINE CROSSING	
						42			11kV, LT Line					Hold
105		84/1	DP+4	4						RANG KANG			USE DP FOR POWER LINE CROSSING	
						40	82	4321						
106	85	85	D/C DP+0	0	14°49'18"RT					RANG KANG	91°40'13.8"	23°30'17.1"	ONLINE	
						42	42	4363	Metal Road					Hold
107	86	86	SP+0	0	5°8'22"RT					RANG KANG	91°40'15.2"	23°30'15.9"	SP WITH ANGLE	
						44	44	4407						
108	87	87	SP+4	4	4°43'15"LT					RANG KANG	91°40'15.6"	23°30'14.5"	SP WITH ANGLE	
						42	42	4449	2Nos LT Line					Hold
109	88	88	SP+4	4	3°53'8"LT					RANG KANG	91°40'16.2"	23°30'13.2"	SP WITH ANGLE	
						44	44	4493						
110	89	89	SP+0	0	8°44'29"RT					RANG KANG	91°40'16.9"	23°30'12"	SP WITH ANGLE	
						44	44	4537						
111	90	90	DP+0	0	12°34'34"LT					RANG KANG	91°40'15.4"	23°30'10.6"		
						44	44	4581						
112	91	91	SP+0	0	5°5'20"LT					RANG KANG	91°40'15.2"	23°30'9.4"	SP WITH ANGLE	
						44	44	4625	66kV S/C, Vill Road					Hold
113	92	92	SP+0	0	1°32'16"RT					RANG KANG	91°40'17.1"	23°30'8.5"	SP WITH ANGLE	
						35								
114		92/1	SP+0	0						RANG KANG				
						35	70	4695						
115	93	93	D/C DP+0	0	0°1'3"LT					RANG KANG	91°40'18.6"	23°30'6.4"	USE DP FOR POWER LINE CROSSING (ONLINE)	
						42	42	4737	66kV					
116	94	94	DP+0	0	13°13'27"LT					RANG KANG	91°40'19.4"	23°30'5.9"		Hold
						42	42	4779	Nala					
117	95	95	DP+0	0	11°58'20"LT					RANG KANG	91°40'20.5"	23°30'4.4"		
						44	44	4823	Vill Road					
118	96	96	SP+0	0	1°41'51"LT					RANG KANG	91°40'21.9"	23°30'3.7"	SP WITH ANGLE	
						37	37	4860	Metal Road					
119	97	97	DP+0	0	31°55'1"RT					RANG KANG	91°40'23"	23°30'3.1"		
						42	42	4902	Metal Road					
120	98	98	DP+0	0	15°57'56"RT					RANG KANG	91°40'23.3"	23°30'2"		
						42	42	4944						
121	99	99	DP+0	0	11°53'8"LT					RANG KANG	91°40'24.4"	23°30'0.7"		
						45	45	4989						
122	100	100	DP+0	0	22°4'38"LT					RANG KANG	91°40'25.3"	23°29'59.5"		
						44	44	5033						
123	101	101	SP+0	0	0°13'51"RT					RANG KANG	91°40'26.6"	23°29'58.7"	SP WITH ANGLE	
						44	44	5077						
124	102	102	SP+0	0	6°40'16"LT					RANG KANG	91°40'27.9"	23°29'57.9"	SP WITH ANGLE	
						37	37	5114	11kV					Hold
125	103	103	DP+2	2	12°45'1"RT					RANG KANG	91°40'29"	23°29'57.3"		
						42	42	5156	LT Line, Metal Road					
126	104	104	SP+4	4	2°30'30"LT					RANG KANG	91°40'30.1"	23°29'56.4"	SP WITH ANGLE	

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DETAIL POLE SCHEDULE OF " PROPOSED132/33KV AMARPUR S/S TO PROPOSED 33 KV DALAK S/S"

Sl. NO	AP NO	POLE NO.	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMULTV. LENGTH	CROSSING	VILLAGE NAME	GPS (WGS-84) EASTING	GPS (WGS-84) NORTHING	REMARKS
						42	42	5198	LT Line, Metal Road				Hold
127	105	105	SP+4	4	2°49'26"LT					RANG KANG	91°40'31.3"	23°29'55.6"	SP WITH ANGLE
						44	44	5242					
128	106	106	DP+0	0	11°8'40"LT					RANG KANG	91°40'32.6"	23°29'54.8"	
						45	45	5287	Metal Road				Hold
129	107	107	FP+4	4	2°12'34"RT					RANG KANG	91°40'34.1"	23°29'54.2"	DP+4 FOR RIVER CROSSING
						127	127	5414	River				Hold
130	108	108	FP+4	4	1°23'12"RT					PASCHIM DALAK	91°40'36.1"	23°29'52.6"	DP+4 FOR RIVER CROSSING
						45							
131		108/1	SP+4	4						PASCHIM DALAK			
						44			LT Line				Hold
132		108/2	D/C SP+4	4						PASCHIM DALAK			ONLINE
						42	131	5545	Vill Road				
133	109	109	D/C DP+0	0	14°11'41"LT					PASCHIM DALAK	91°40'42"	23°29'50.2"	ONLINE
						43	43	5588	25kv Vill Road				Hold
134	110	110	D/C DP+4	4	9°45'40"LT					PASCHIM DALAK	91°40'43.5"	23°29'49.8"	USE DP FOR POWER LINE CROSSING (ONLINE)
						42	42	5630	33kv				Hold
135	111	111	FP+4	4	19°56'41"LT					PASCHIM DALAK	91°40'44.9"	23°29'49.6"	
						42	42	5672	LT Line				
136	112	112	D/C DP+4	4	5°2'21"LT					PASCHIM DALAK	91°40'46.4"	23°29'49.3"	USE DP FOR POWER LINE CROSSING (ONLINE)
						42	42	5714	33kv				Hold
137	113	113	D/C DP+4	4	24°39'24"RT					PASCHIM DALAK	91°40'47.8"	23°29'50.2"	ONLINE
						45	45	5759	Vill Road				Hold
138	114	114	DP+0	0	13°12'26"LT					PASCHIM DALAK	91°40'49.4"	23°29'50"	
						45	45	5804					
139	115	115	SP+2	2	2°0'15"LT					PASCHIM DALAK	91°40'50.9"	23°29'50"	SP WITH ANGLE
						42	42	5846	LT Line				Hold
140	116	116	DP+2	2	31°58'56"RT					PASCHIM DALAK	91°40'52.4"	23°29'50.1"	
						42	42	5888	Metal Road				Hold
141	117	117	SP+0	0	0°2'52"RT					PASCHIM DALAK	91°40'53.7"	23°29'49.4"	SP WITH ANGLE
						44	44	5932					
142	118	118	SP+0	0	6°58'45"LT					PASCHIM DALAK	91°40'54.9"	23°29'48.5"	SP WITH ANGLE
						39	39	5965	Metal Road				Hold
143	119	119	DP+0	0	12°28'47"RT					PASCHIM DALAK	91°40'55.9"	23°29'48"	
						42	42	6007	Metal Road				
144	120	120	SP+0	0	4°17'50"RT					PASCHIM DALAK	91°40'57"	23°29'47"	SP WITH ANGLE
						44	44	6051					
145	121	121	SP+0	0	4°31'56"LT					PASCHIM DALAK	91°40'58"	23°29'46"	SP WITH ANGLE
						42	42	6093	Metal Road				Hold
146	122	122	SP+0	0	7°19'12"RT					PASCHIM DALAK	91°40'59.1"	23°29'45"	SP WITH ANGLE
						44							
147		122/1	SP+0	0						PASCHIM DALAK			
						40	84	6177					
148	123	123	DP+0	0	14°10'16"RT					PASCHIM DALAK	91°41'0.9"	23°29'42.9"	
						42	42	6219	Metal Road, Vill Road				Hold
149	124	124	DP+4	4	16°59'48"LT					PASCHIM DALAK	91°41'1.5"	23°29'41.6"	
						36	36	6255	Metal Road, 33kv				
150	125	125	DP+4	4	58°21'54"LT					PASCHIM DALAK	91°41'2.8"	23°29'40.7"	
						42	42	6297	Metal Road				
151	126	126	DP+2	2	43°58'41"RT					PASCHIM DALAK	91°41'3.8"	23°29'40.3"	
						42	42	6339	LT Line				
152	127	127	SP+2	2	8°10'44"RT					PASCHIM DALAK	91°41'5"	23°29'40.1"	SP WITH ANGLE
						42	42	6381					
153	128	128	SP+2	2	4°11'31"RT					PASCHIM DALAK	91°41'6"	23°29'39.1"	SP WITH ANGLE
						45	45	6426	LT Line				Hold
154	129	129	DP+2	2	23°50'16"RT					PASCHIM DALAK	91°41'7.1"	23°29'38"	
						44	44	6470					
155	130	130	DP+0	0	12°6'14"RT					PASCHIM DALAK	91°41'7.6"	23°29'36.6"	
						44	44	6514	Metal Road				Hold
156	131	131	DP+2	2	81°29'12"LT					PASCHIM DALAK	91°41'7.8"	23°29'35.2"	
						40	40	6554	Metal Road, LT Line				
157	132	132	DP+2	2	12°45'31"RT					PASCHIM DALAK	91°41'8.8"	23°29'34.2"	
						42	42	6596	Metal Road				
158	133	133	SP+0	0	6°56'35"LT					PASCHIM DALAK	91°41'9.3"	23°29'33"	SP WITH ANGLE
						39	39	6635					
159	134	134	DP+2	2	50°51'34"LT					PASCHIM DALAK	91°41'10"	23°29'31.8"	Hold
						43	43	6678	Metal Road, LT Line, 11kv				
160	135	135	D/C DP+2	2	17°6'0"LT					PASCHIM DALAK	91°41'11.5"	23°29'31.8"	ONLINE
						42	42	6720					
161	136	136	D/C DP+0	0	48°16'38"RT					PASCHIM DALAK	91°41'13"	23°29'32"	ONLINE
						42	42	6762	Metal Road				Hold
162	137	137	DP+0	0	14°15'36"RT					PASCHIM DALAK	91°41'14.1"	23°29'31.8"	
						45	45	6807					
163	138	138	SP+2	2	4°57'31"RT					PASCHIM DALAK	91°41'15.4"	23°29'30.3"	SP WITH ANGLE
						45	45	6852	Metal Road, LT Line				Hold
164	139	139	DP+2	2	11°30'6"RT					PASCHIM DALAK	91°41'16.5"	23°29'29.2"	
						45	45	6897	Metal Road				
165	140	140	DP+0	0	18°29'13"LT					PASCHIM DALAK	91°41'17.5"	23°29'28"	
						45	45	6942					
166	141	141	DP+0	0	22°34'51"RT					PASCHIM DALAK	91°41'18.5"	23°29'27"	
						42	42	6984					
167	142	142	DP+0	0	10°48'20"RT					PASCHIM DALAK	91°41'19.1"	23°29'25.8"	
						42	42	7026					
168	143	143	SP+0	0	2°44'24"LT					PASCHIM DALAK	91°41'19.5"	23°29'24.5"	SP WITH ANGLE

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APPROVED B:

DETAIL POLE SCHEDULE OF " PROPOSED132/33KV AMARPUR S/S TO PROPOSED 33 KV DALAK S/S"

SL.NO	AP NO	POLE NO.	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS (WGS-84) EASTING	GPS (WGS-84) NORTHING	REMARKS
						45	45	7071					
169	144	144	DP+0	0	31°27'19"LT					PASCHIM DALAK	91°41'20"	23°29'23.1"	
						45	45	7116					
170	145	145	SP+0	0	3°17'20"RT					PASCHIM DALAK	91°41'21.2"	23°29'21.1"	SP WITH ANGLE
						42	42	7158					
171	146	146	DP+0	0	25°25'1"RT					PASCHIM DALAK	91°41'22.2"	23°29'21.2"	
						32	32	7190	Metal Road				
172	147	147	DP+0	0	19°16'54"LT					PASCHIM DALAK	91°41'22.6"	23°29'20.2"	
						43	43	7233	Metal Road				
173	148	148	DP+2	2	32°49'21"RT					PASCHIM DALAK	91°41'23.8"	23°29'19.3"	
						41	41	7274	2Nos 11Kv				
174	149	149	DP+2	2	15°50'28"LT					PASCHIM DALAK	91°41'24.2"	23°29'18"	
						43	43	7318					
175	150	150	DP+0	0	10°13'22"LT					PASCHIM DALAK	91°41'25.1"	23°29'16.8"	
						45	45	7364					
176	151	151	DP+0	0	26°5'55"LT					PASCHIM DALAK	91°41'26.4"	23°29'16"	
						37	37	7400					
177	152	152	DP+2	2	34°1'50"RT					PASCHIM DALAK	91°41'27.7"	23°29'15.8"	
						39	39	7440	Metal Road, LT Line				
178	153	153	SP+2	2	8°37'26"LT					PASCHIM DALAK	91°41'28.7"	23°29'15"	SP WITH ANGLE
						45	45	7485	Nala				
179	154	154	SP+0	0	5°2'17"RT					PASCHIM DALAK	91°41'30"	23°29'14.3"	SP WITH ANGLE
						36	36	7521					
180	155	155	FP+4	4	61°1'21"LT					PASCHIM DALAK	91°41'31"	23°29'13.4"	
						45			Metal Road, 2Nos 11Kv				
181		155/1	DP+4	4						PASCHIM DALAK			USE DP FOR POWER LINE CROSSING
						45	39	7611	11Kv				
182	156	156	DP+4	4	19°26'50"RT					PASCHIM DALAK	91°41'33.9"	23°29'14.4"	
						36	36	7647	Metal Road				
183	157	157	FP+0	0	79°38'53"RT					PASCHIM DALAK	91°41'35.2"	23°29'14.4"	
						42	42	7689	Metal Road				
184	158	158	DP+0	0	38°39'45"LT					PASCHIM DALAK	91°41'35.6"	23°29'13.1"	
						37	37	7726					
185	159	159	DP+0	0	34°3'33"LT					PASCHIM DALAK	91°41'36.4"	23°29'12.1"	
						42	42	7768					
186	160	160	SP+0	0	8°59'9"RT					PASCHIM DALAK	91°41'37.8"	23°29'11.6"	SP WITH ANGLE
						34	34	7802	Metal Road				
187	161	161	DP+2	2	10°53'3"LT					PASCHIM DALAK	91°41'38.8"	23°29'11.1"	
						42	42	7844	**Metal Road, 66Kv S/C, LT Line**				
188	162	162	SP+4	4	6°29'5"RT					PASCHIM DALAK	91°41'43.5"	23°29'10.8"	SP WITH ANGLE
						33	33	7877	2Nos 11Kv, LT Line				
189	163	163	DP+2	2	44°45'27"LT					PASCHIM DALAK	91°41'41.4"	23°29'10.4"	
						38	38	7915	**66Kv**				
190	164	164	DP+2	2	17°51'57"LT					PASCHIM DALAK	91°41'42.6"	23°29'11"	
						42	42	7957	LT Line, Metal Road				
191	165	165	DP+0	0	31°14'59"RT					PASCHIM DALAK	91°41'43.6"	23°29'11.9"	
						37	37	7994	Metal Road				
192	166	166	FP+0	0	83°58'3"RT					PASCHIM DALAK	91°41'44.7"	23°29'12.5"	
						42			Metal Road				
193		166/1	SP+0	0						PASCHIM DALAK			
						42	84	8078					
194	167	167	SP+0	0	0°2'22"RT					PASCHIM DALAK	91°41'46.7"	23°29'13.5"	SP WITH ANGLE
						36	36	8114	Metal Road				
195	168	168	DP+0	0	41°3'19"RT					PASCHIM DALAK	91°41'47.4"	23°29'9.5"	
						45	45	8159	Metal Road				
196	169	169	SP+0	0	3°21'3"LT					PASCHIM DALAK	91°41'47.2"	23°29'8"	SP WITH ANGLE
						43	43	8202	Metal Road				
197	170	170	DP+0	0	19°53'14"LT					PASCHIM DALAK	91°41'47.1"	23°29'6.6"	
						42	42	8244					
198	171	171	DP+0	0	41°24'47"LT					PASCHIM DALAK	91°41'47.4"	23°29'5.8"	
						42	42	8286					
199	172	172	SP+0	0	6°48'15"RT					PASCHIM DALAK	91°41'48.6"	23°29'4.5"	SP WITH ANGLE
						42	42	8328	Metal Road				
200	173	173	DP+0	0	54°4'38"LT					PASCHIM DALAK	91°41'49.8"	23°29'3.7"	
						42	42	8370	Metal Road				
201	174	174	DP+0	0	10°15'5"RT					PASCHIM DALAK	91°41'51.2"	23°29'4"	
						44	44	8414	Metal Road				
202	175	175	DP+0	0	13°53'58"RT					PASCHIM DALAK	91°41'52.5"	23°29'3.2"	
						37	37	8451	Metal Road				
203	176	176	DP+0	0	24°41'45"RT					PASCHIM DALAK	91°41'53.3"	23°29'2.3"	
						45	45	8496	Vill Road				
204	177	177	DP+4	4	2°31'0"LT					PASCHIM DALAK	91°41'53.7"	23°29'1.0"	USE DP FOR POWER LINE CROSSING
						45	45	8541	11Kv				
205	178	178	DP+4	4	27°14'49"RT					PASCHIM DALAK	91°41'54.2"	23°28'59.5"	
						43	43	8586	**Metal Road, 66Kv S/C**				
206	179	179	DP+0	0	34°17'24"LT					PASCHIM DALAK	91°41'54"	23°28'58.1"	
						45	45	8629	**66Kv S/C**				
207	180	180	DP+4	4	34°53'10"RT					PASCHIM DALAK	91°41'54.2"	23°28'56.6"	
						42	42	8671	11Kv				
208	181	181	DP+4	4	13°5'14"LT					PASCHIM DALAK	91°41'54"	23°28'55.3"	
						45	45	8716					
209	182	182	DP+0	0	15°33'33"LT					PASCHIM DALAK	91°41'54.2"	23°28'53.8"	
						45	45	8761					
210	183	183	DP+4	4	10°32'42"LT					PASCHIM DALAK	91°41'54.7"	23°28'52.5"	
						43	43	8804	Metal Road, 11Kv				
211	184	184	DP+4	4	13°24'51"LT					PASCHIM DALAK	91°41'55.5"	23°28'51.3"	
						37	37	8841	11Kv				
212	185	185	SP+0	0	1°25'27"LT					PASCHIM DALAK	91°41'56.4"	23°28'50.4"	SP WITH ANGLE
						40	40	8881	Metal Road				
213	186	186	DP+0	0	24°28'14"LT					PASCHIM DALAK	91°41'57.4"	23°28'49.5"	
						42	42	8923					

Hold

Hold

Hold

Hold

Hold

Hold

Hold

Hold

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Priyanshu (AET)
19/09/2017
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APPROVED BY

DETAIL POLE SCHEDULE OF " PROPOSED132/33KV AMARPUR S/S TO PROPOSED 33 KV DALAK S/S"

SL.NO	AP NO	POLE NO.	TYPE OF POLE	EXT	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV LENGTH	CROSSING	VILLAGE NAME	GPS (WGS-84) EASTING	GPS (WGS-84) NORTHING	REMARKS
214	187	187	DP+0	0	46°51'21"LT					PASCHIM DALAK	91°41'58.8"	23°28'49"	
						45	43	8996	Metal Road				Hold
215	188	188	FP+0	0	62°50'9"RT					PASCHIM DALAK	91°42'0.3"	23°28'49.4"	
						39	39	9035	Metal Road				
216	189	189	SP+0	0	9°0'24"LT					PASCHIM DALAK	91°42'1.1"	23°28'48.8"	SP WITH ANGLE
						23	23	9028					
217	190	190	SP+0	0	2°55'2"RT					PASCHIM DALAK	91°42'2"	23°28'48.5"	SP WITH ANGLE
						44	44	9072					
218	191	191	DP+0	0	52°7'39"RT					PASCHIM DALAK	91°42'3.1"	23°28'47.7"	Hold
						28	28	9100	Metal Road				
219	192	192	DP+0	0	42°20'5"RT					PASCHIM DALAK	91°42'3.1"	23°28'46.7"	
						45	45	9145					
220	193	193	SP+0	0	8°53'0"RT					PASCHIM DALAK	91°42'3.1"	23°28'45.6"	SP WITH ANGLE
						38	38	9183					
221	194	194	DP+0	0	56°25'24"RT					PASCHIM DALAK	91°42'3.1"	23°28'44.8"	Hold
						45	45	9228	Metal Road				
222	195	195	SP+0	0	2°18'59"RT					PASCHIM DALAK	91°41'58.8"	23°28'45.1"	SP WITH ANGLE
						34	34	9264					
223	196	196	DP+4	4	17°36'41"LT					PASCHIM DALAK	91°41'58.8"	23°28'45.5"	Hold
						38	38	9302	11kv				
224	197	197	FP+4	4	67°40'52"LT					PASCHIM DALAK	91°41'57.2"	23°28'45.4"	
						35	35	9337	Vill Road, 11kv				
225	198	198	DP+0	0	23°35'21"LT					PASCHIM DALAK	91°41'56.8"	23°28'44.4"	
						42	42	9379					
226	199	199	DP+0	0	45°20'0"LT					PASCHIM DALAK	91°41'56.8"	23°28'43"	
						42	42	9421					
227	200	200	DP+0	0	12°51'56"RT					PASCHIM DALAK	91°41'57.9"	23°28'42.1"	
						42	42	9463					
228	201	201	DP+0	0	25°33'10"RT					PASCHIM DALAK	91°41'58.8"	23°28'41"	
						42	42	9505					
229	202	202	SP+0	0	9°41'5"LT					PASCHIM DALAK	91°41'59.1"	23°28'39.6"	SP WITH ANGLE
						45	45	9550					
230	203	203	DP+0	0	14°40'32"LT					PASCHIM DALAK	91°41'59.4"	23°28'38.2"	
						45	45	9595					
231	204	204	DP+0	0	22°51'13"RT					PASCHIM DALAK	91°42'0.4"	23°28'36.9"	
						41	41	9636					
232	205	205	DP+0	0	10°52'23"RT					PASCHIM DALAK	91°42'0.3"	23°28'35.6"	
						45	45	9681					
233	206	206	DP+0	0	17°44'1"LT					PASCHIM DALAK	91°41'59.6"	23°28'34.3"	
						45	45	9726	Metal Road				Hold
234	207	207	DP+2	2	41°8'33"LT					PASCHIM DALAK	91°41'59.8"	23°28'32.9"	
						45	45	9771	Metal Road, LT Line				
235	208	208	DP+2	2	36°31'36"RT					PASCHIM DALAK	91°42'0.1"	23°28'31.6"	
						45	45	9816					
236	209	209	DP+0	0	25°53'4"LT					PASCHIM DALAK	91°41'59.9"	23°28'30.1"	
						44	44	9860					
237	210	210	DP+2	2	5°16'41"LT					PASCHIM DALAK	91°42'0.4"	23°28'28.8"	
						38	38	9898	LT Line				Hold
238	211	211	DP+2	2	14°53'49"RT					PASCHIM DALAK	91°42'1.7"	23°28'28.4"	
						32	32	9930	Metal Road				
239	212	212	DP+4	4	41°1'44"LT					PASCHIM DALAK	91°42'2.6"	23°28'27.9"	
						45	45	9975	LT Line+11kv				
240	213	213	DP+4	4	8°27'12"RT					PASCHIM DALAK	91°42'4.7"	23°28'28.1"	USE DP FOR POWER LINE CROSSING
						45	45	10020	Vill Road				Hold
241	214	214	SP+0	0	4°46'58"LT					TIRAYMAURANG	91°42'5.8"	23°28'28.1"	SP WITH ANGLE
						33	33	10053					
242	215	215	DP+0	0	13°8'47"LT					TIRAYMAURANG	91°42'7"	23°28'28.1"	
						45	45	10098	Metal Road				Hold
243	216	216	DP+0	0	51°52'25"RT					TIRAYMAURANG	91°42'8.5"	23°28'28.1"	
						45	45	10143					
244	217	217	DP+0	0	19°40'52"LT					TIRAYMAURANG	91°42'9.8"	23°28'27.9"	
						30	30	10173					
245	218	218	DP+0	0	41°8'46"LT					TIRAYMAURANG	91°42'10.8"	23°28'27.6"	
						45	45	10218					
246	219	219	SP+0	0	5°29'14"LT					TIRAYMAURANG	91°42'12.2"	23°28'28.2"	SP WITH ANGLE
						45	45	10263					
247	220	220	DP+0	0	36°48'57"RT					TIRAYMAURANG	91°42'13.6"	23°28'28"	
						45	45	10308	Metal Road				Hold
248	221	221	SP+0	0	4°47'18"LT					TIRAYMAURANG	91°42'15.1"	23°28'28.8"	SP WITH ANGLE
						45	45	10353	Metal Road				
249	222	222	DP+0	0	48°8'36"RT					TIRAYMAURANG	91°42'16.7"	23°28'28.8"	
						35	35	10388					
250	223	223	SP+0	0	2°48'51"RT					TIRAYMAURANG	91°42'17.5"	23°28'27.8"	SP WITH ANGLE
						38	38	10426					
251	224	224	DP+0	0	52°32'43"LT					TIRAYMAURANG	91°42'18.4"	23°28'27"	
						27	27	10453	Metal Road				Hold
252	225	225	FP+0	0	72°38'25"LT					TIRAYMAURANG	91°42'19.3"	23°28'27"	
						35	35	10488					
253	226	226	DP+4	4	22°34'5"RT					TIRAYMAURANG	91°42'18.7"	23°28'26.1"	
						35	35	10523	Metal Road, 33kv				Hold
254	227	227	DP+4	4	35°28'37"RT					TIRAYMAURANG	91°42'20.4"	23°28'26.8"	
						45	45	10568	33kv				
255	228	228	DP+0	0	9°23'18"RT					TIRAYMAURANG	91°42'22"	23°28'26.2"	USE DP FOR POWER LINE CROSSING
						29	29	10597	66kv				
256	229	229	DP+4	4	10°22'7"RT					TIRAYMAURANG	91°42'23"	23°28'25.5"	Hold
						28	28	10625	33kv				
257	230	230	DP+4	4	42°52'18"RT					TIRAYMAURANG	91°42'24"	23°28'24.9"	
						43	43	10668	Metal Road				
258	231	231	DP+0	0	14°29'44"LT					TIRAYMAURANG	91°42'25.1"	23°28'23.8"	
						43	43	10711	66kv				
259	232	232	DP+0	0	22°53'28"LT					TIRAYMAURANG	91°42'26.5"	23°28'23"	

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DETAIL POLE SCHEDULE OF " PROPOSED132/33KV AMARPUR S/S TO PROPOSED 33 KV DALAK S/S"

SL.NO	AP NO	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS (WGS-84) EASTING	GPS (WGS-84) NORTHING	REMARKS
						42	42	10766	Metal Road				Hold
260	233	233	SP+0	0	9°11'32"RT					TRAYMARANG	91°42'28"	23°28'28"	SP WITH ANGLE
						43							
261		233/1	SP+0	0						TRAYMARANG			
						44	89	10842					
262	234	234	DP+0	0	38°11'54"RT					TRAYMARANG	91°42'31.1"	23°28'27.8"	Hold
						40	40	10882	Vill Road				
263	235	235	DP+0	0	37°10'50"RT					TRAYMARANG	91°42'31.2"	23°28'27"	
						45	45	10927					
264	236	236	DP+0	0	9°41'7"LT					TRAYMARANG	91°42'32.6"	23°28'25.6"	USE DP FOR POWER LINE CROSSING
						45	45	10972					
265	237	237	SP+0	0	8°28'8"RT					TRAYMARANG	91°42'33.2"	23°28'24.2"	SP WITH ANGLE
						43	43	11015					
266	238	238	DP+0	0	38°51'30"RT					TRAYMARANG	91°42'33.6"	23°28'22.9"	Hold
						49	49	11064	Metal Road				
267	239	239	SP+0	0	2°47'18"LT					TRAYMARANG	91°42'33.6"	23°28'21.6"	SP WITH ANGLE
						37	37	11091	66Kv				
268	240	240	DP+0	0	85°21'1"LT					TRAYMARANG	91°42'33.6"	23°28'20.4"	
						43	43	11134					
269	241	241	DP+0	0	15°24'2"LT					TRAYMARANG	91°42'34.5"	23°28'19.3"	Hold
						41	41	11175	Metal Road				
270	242	242	DP+0	0	11°4'16"RT					TRAYMARANG	91°42'35.6"	23°28'18.5"	
						31	31	11206					
271	243	243	SP+0	0	4°58'14"RT					TRAYMARANG	91°42'36.3"	23°28'17.7"	SP WITH ANGLE
						30	30	11236					
272	244	244	DP+0	0	11°44'1"LT					TRAYMARANG	91°42'36.9"	23°28'16.8"	
						42	42	11278	Metal Road				
273	245	245	DP+0	0	40°56'41"RT					TRAYMARANG	91°42'38"	23°28'16"	Hold
						34	34	11312					
274	246	246	SP+0	0	9°15'18"LT					TRAYMARANG	91°42'38.2"	23°28'14.9"	SP WITH ANGLE
						41	41	11353	66Kv S/C				Hold
275	247	247	DP+4	4	8°10'49"RT					TRAYMARANG	91°42'38.6"	23°28'13.6"	USE DP FOR POWER LINE CROSSING
						45	45	11398	33Kv				
276	248	248	DP+4	4	90°21'34"LT					TRAYMARANG	91°42'38.8"	23°28'12.2"	
						45	45	11443					
277	249	249	SP+0	0	0°38'51"RT					TRAYMARANG	91°42'39.5"	23°28'11.1"	SP WITH ANGLE
						41	41	11484	Metal Road				Hold
278	250	250	DP+4	4	15°55'5"LT					TRAYMARANG	91°42'41.0"	23°28'10.2"	
						41	41	11525	Metal Road, 11Kv				
279	251	251	DP+4	4	45°53'8"RT					TRAYMARANG	91°42'41.2"	23°28'9.5"	
						45	45	11570	Metal Road, 11Kv				
280	252	252	D/C DP+0	0	48°22'24"LT					TRAYMARANG	91°42'41.6"	23°28'8.1"	ONLINE
						43	43	11613					
281	253	253	DP+0	0	15°27'35"RT					TRAYMARANG	91°42'44"	23°28'7.5"	
						38	38	11651					
282	254	254	DP+0	0	15°37'18"RT					TRAYMARANG	91°42'45"	23°28'6.7"	Hold
						38	38	11689	Metal Road				
283	255	255	DP+4	4	48°22'5"RT					TRAYMARANG	91°42'45.7"	23°28'5.6"	
						42	42	11731	Metal Road, 11Kv				
284	256	256	DP+4	4	12°50'46"LT					TRAYMARANG	91°42'45.3"	23°28'4.3"	
						44	44	11775					
285	257	257	DP+4	4	18°10'56"LT					TRAYMARANG	91°42'45.3"	23°28'2.9"	
						45	45	11820	33Kv				Hold
286	258	258	DP+4	4	5°38'1"RT					TRAYMARANG	91°42'45.6"	23°28'1.5"	USE DP FOR POWER LINE CROSSING
						45	45	11865					
287	259	259	DP+0	0	27°58'23"LT					TRAYMARANG	91°42'45.8"	23°28'0"	
						39	39	11904					
288	260	260	FP+0	0	69°17'22"LT					TRAYMARANG	91°42'46.5"	23°27'58"	
						36	36	11940	33Kv				Hold
289	261	261	DP+4	4	31°35'5"LT					TRAYMARANG	91°42'47.8"	23°27'59.1"	
						38	38	11978	Metal Road, 11Kv				
290	262	262	DP+4	4	29°54'41"RT					TRAYMARANG	91°42'48.9"	23°27'59.9"	
						37	37	12015					
291	263	263	FP+0	0	72°19'16"RT					TRAYMARANG	91°42'50.1"	23°28'0.1"	
						35	35	12050					
292	264	264	DP+0	0	37°8'4"RT					TRAYMARANG	91°42'50.6"	23°27'59"	
						42	42	12092	Metal Road				Hold
293	265	265	DP+0	0	27°13'32"LT					TRAYMARANG	91°42'50.3"	23°27'57.7"	
						45	45	12137	Vill Road				
294	266	266	DP+0	0	10°28'36"LT					TRAYMARANG	91°42'50.4"	23°27'56.2"	
						42							
295		266/1	SP+0	0						TRAYMARANG			
						42	84	12221					
296	267	267	D/C DP+0	0	41°54'39"LT					TRAYMARANG	91°42'51.1"	23°27'53.6"	ONLINE
						42	42	12263	Metal Road				Hold
297	268	268	SP+4	4	17°41'48"RT					TRAYMARANG	91°42'53.3"	23°27'52.8"	SP WITH ANGLE
						45	45	12308	33Kv				
298	269	269	SP+4	4	9°34'47"RT					TRAYMARANG	91°42'53.5"	23°27'51.9"	SP WITH ANGLE
						42	42	12350	Metal Road				
299	270	270	DP+0	0	15°59'39"LT					TRAYMARANG	91°42'54.5"	23°27'50.8"	
						45	45	12395	66Kv				
300	271	271	SP+4	4	6°35'49"RT					TRAYMARANG	91°42'55.8"	23°27'50"	SP WITH ANGLE
						43	43	12438	2Nos LT Line, Metal Road				
301	272	272	DP+2	2	36°39'5"RT					TRAYMARANG	91°42'57"	23°27'48.5"	
						45	45	12483	LT Line				
302	273	273	DP+2	2	14°15'25"RT					TRAYMARANG	91°42'57.4"	23°27'47.7"	
						42	42	12525	Metal Road, LT Line				

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:
Technofab Engineering Ltd.

CHECKED BY:
P.G.C.I.L.
19/09/017

एम.के.नाग / M. K. NAG
प्रबंधक / MANAGER
APPROVED BY
पावरग्रिड / POWERGRID
ए.पी.सी., उदयपुर / NER, UDAIPUR

DETAIL POLE SCHEDULE OF " PROPOSED132/33KV AMARPUR S/S TO PROPOSED 33 KV DALAK S/S"

SL NO	AP NO	POLE NO.	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV LENGTH	CROSSING	VILLAGE NAME	GPS (WGS-84) EASTING	GPS (WGS-84) NORTHING	REMARKS
303	274	274	DP+2	2	9°30'55"LT					TRAYMAURANG	91°42'57.2"	23°27'46.4"	USE DP FOR POWER LINE CROSSING
						45	45	12570					
304	275	275	DP+0	0	91°9'3"LT					TRAYMAURANG	91°42'57.5"	23°27'44.9"	Hold
						42	42	12612	Metal Road				
305	276	276	D/C DP+0	0	105°15'7"RT					TRAYMAURANG	91°42'58.2"	23°27'43.8"	ONLINE
						40	40	12652					
306	277	277	DP+2	2	22°28'54"RT					TRAYMAURANG	91°42'58.8"	23°27'42.4"	Hold
						41	41	12695	Metal Road, LT Line				
307	278	278	SP+4	4	5°25'56"RT					TRAYMAURANG	91°42'58.9"	23°27'41.2"	SP WITH ANGLE
						45	45	12740	Vill Road				
308	279	279	DP+0	0	44°15'52"RT					UTTAR CHALAGANG	91°42'58.8"	23°27'39.7"	
						27	27	12767	66kV S/C				
309	280	280	FP+4	4	71°56'57"LT					UTTAR CHALAGANG	91°42'58.1"	23°27'39.1"	
						43	43	12810	11kV				
310	281	281	DP+4	4	14°25'34"RT					UTTAR CHALAGANG	91°42'58.7"	23°27'37.9"	
						41	41	12851	Vill Road				
311	282	282	SP+3	0	3°41'30"RT					UTTAR CHALAGANG	91°42'59"	23°27'36.6"	SP WITH ANGLE
						37	37	12888					
312	283	283	SP+2	0	6°10'56"RT					UTTAR CHALAGANG	91°42'59.1"	23°27'35.4"	SP WITH ANGLE Hold
						39	39	12927	Metal Road				
313	284	284	DP+0	0	55°10'52"RT					UTTAR CHALAGANG	91°42'59.1"	23°27'34.1"	
						42	42	12969	Metal Road				
314	285	285	SP+3	0	9°38'58"LT					UTTAR CHALAGANG	91°42'57.9"	23°27'33.3"	SP WITH ANGLE
						42	42	13011					
315	286	286	DP+0	0	12°49'6"LT					UTTAR CHALAGANG	91°42'56.7"	23°27'32.1"	
						35	35	13046	11kV				
316	287	287	DP+0	0	12°56'16"LT					UTTAR CHALAGANG	91°42'55.9"	23°27'31.1"	
						45	45	13091					
317	288	288	DP+0	0	19°0'1"LT					UTTAR CHALAGANG	91°42'55.1"	23°27'30.4"	Hold
						42	42	13133	Metal Road				
318	289	289	DP+0	0	10°13'24"RT					UTTAR CHALAGANG	91°42'54.9"	28°27'29"	
						39	39	13172	Metal Road				
319	290	290	DP+0	0	5°26'14"LT					UTTAR CHALAGANG	91°42'53.7"	23°27'28.4"	
						36	36	13208					Hold
320	291	291	DP+0	0	23°43'40"LT					UTTAR CHALAGANG	91°42'53.7"	23°27'27.2"	
						42	42	13250	Metal Road				
321	292	292	SP+3	0	3°8'19"RT					UTTAR CHALAGANG	91°42'54.2"	28°27'26"	SP WITH ANGLE
						45	45	13295					
322	293	293	SP+3	0	9°43'9"LT					UTTAR CHALAGANG	91°42'54.6"	23°27'24.6"	SP WITH ANGLE
						45	45	13340					
323	294	294	DP+0	0	22°16'1"RT					UTTAR CHALAGANG	91°42'55.4"	23°27'23.2"	
						44	44	13384					
324	295	295	DP+0	0	11°6'23"RT					UTTAR CHALAGANG	91°42'55.4"	23°27'21.8"	
						41	41	13425	Metal Road				Hold
325	296	296	DP+0	0	10°47'46"LT					UTTAR CHALAGANG	91°42'55.1"	23°27'20.5"	
						34	34	13459					
326	297	297	DP+0	0	11°27'21"LT					UTTAR CHALAGANG	91°42'55.1"	23°27'19.4"	Hold
						45	45	13504	Metal Road, 33kV				
327	298	298	D/C DP+0	0	17°0'56"LT					UTTAR CHALAGANG	91°42'55.4"	28°27'18"	ONLINE
						45	45	13549					
328	299	299	DP+0	0	19°35'54"LT					UTTAR CHALAGANG	91°42'56.1"	23°27'16.7"	
						44	44	13593					
329	300	300	SP+3	0	1°36'18"LT					UTTAR CHALAGANG	91°42'57.3"	23°27'15.7"	SP WITH ANGLE
						44	44	13637					
330	301	301	DP+0	0	31°23'2"RT					UTTAR CHALAGANG	91°42'58.4"	23°27'14.8"	
						41	41	13678					
331	302	302	FP+3	0	89°36'21"LT					UTTAR CHALAGANG	91°42'58.9"	23°27'13.5"	
						45	45	13723					
332	303	303	SP+3	0	9°22'17"LT					UTTAR CHALAGANG	91°43'0.3"	23°27'14"	SP WITH ANGLE
						43	43	13766	Metal Road				Hold
333	304	304	DP+0	0	28°19'37"RT					UTTAR CHALAGANG	91°43'1.7"	23°27'14.1"	
						43	43	13809	11kV				
334	305	305	DP+0	0	28°59'15"RT					UTTAR CHALAGANG	91°43'3.3"	23°27'14.4"	
						45	45	13854					
335	306	306	DP+0	0	31°22'45"RT					UTTAR CHALAGANG	91°43'4.5"	23°27'13.6"	
						42	42	13896	Metal Road				
336	307	307	DP+0	0	13°52'55"LT					UTTAR CHALAGANG	91°43'5.1"	23°27'12.7"	
						42	42	13938	Metal Road				
337	308	308	DP+0	0	18°10'20"RT					UTTAR CHALAGANG	91°43'5.9"	23°27'11.2"	Hold
						45	45	13983	Metal Road				
338	309	309	DP+0	0	13°88'42"LT					UTTAR CHALAGANG	91°43'6.4"	23°27'9.8"	
						45	45	14028	Metal Road				
339	310	310	DP+0	0	32°43'12"RT					UTTAR CHALAGANG	91°43'7.2"	23°27'8.5"	
						39	39	14067	Metal Road				
340	311	311	DP+0	0	54°34'2"LT					UTTAR CHALAGANG	91°43'7.1"	23°27'7.3"	
						45	45	14112	Metal Road				
341	312	312	DP+0	0	88°14'34"RT					UTTAR CHALAGANG	91°43'8.4"	23°27'6.4"	
						33	33	14145	Metal Road				
342	313	313	DP+0	0	28°41'47"LT					UTTAR CHALAGANG	91°43'8.4"	23°27'5.3"	
						42	42	14187					
343	314	314	SP+2	0	04°24'6"RT					UTTAR CHALAGANG	91°43'9.2"	23°27'4.1"	SP WITH ANGLE
						24	24	14211					
344	315	315	SP+3	0	9°00'38"LT					UTTAR CHALAGANG	91°43'9.6"	23°27'3.4"	SP WITH ANGLE
						45	45	14256	66kV S/C				Hold
345	316	316	DP+2	2	12°3'23"RT					UTTAR CHALAGANG	91°43'10.5"	23°27'2.2"	
						36	36	14292	LT Line				
346	317	317	DP+2	2	9°55'40"LT					UTTAR CHALAGANG	91°43'11"	23°27'1.2"	USE DP FOR POWER LINE CROSSING
						43	43	14332	33kV+LT Line, Vill Road				
347	318	318	FP+0	0						UTTAR CHALAGANG	91°43'11.7"	23°27'0.1"	Hold

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:
TechnoFab Engineering Ltd.

Priyanka (AET) 19/09/2017
CHECKED BY:
P.G.C.I.L

एम. के. नाग / M. K. NAG
प्रबंधक / MANAGER
पावरग्रिड / POWERGRID
APPROVED BY
उ.क्षे. उदयपुर / NER, UDAIPUR

CROSSING DETAILS

LINK NAME: EXISTING 33/11 kV JATANBARI S/S TO PROPOSED 33 kV DALAK S/S				
S.No.	Description	Unit	Quantity	Remarks
A	Pole Height			
1	0 m Extension	193		
2	2 m Extension	51		
3	4 m Extension	80		
B	Crossings			
1	LT Line Crossing	38		
2	11 kV Crossing	24		
3	33 kV Crossing	9		
4	NH Crossing	0		
C	River Crossing	1		
D	Nala Crossing	1		
E	Road Crossing			
1	Metalled Road	63		
2	Village	8		
F	Span Violation	1		
G	Angle Violation	1		

Note: We have approved 12 m Pole Drawing (0 m Extension) and we have proposed 14 m Pole (2 m Extension) and 16 m Pole (4 m Extension) for crossings.

Recommanded for further approval for normal length of pole Only except extension of pole, deviation of angle violation. all sort of crossing and violation of span etc.

Akhil Chakma
DET, Udaipur

06/09/17

एम.के.नाग / M. K. NAG
प्रबंधक / MANAGER
पावरग्रिड / POWERGRID
उ.पू.क्षे., उदयपुर / NER, UDAIPUR

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:
TechnoFab Engineering Ltd.

CHECKED BY:
PGCIL

APPROVED BY:
PGCIL

POLE SUMMARY

POLE SUMMARY DETAILS							
TRIPURA STATE ASSOCIATED WITH NER POWER SYSTEM IMPROVEMENT PROJECT (DMS PACKAGE-01)							
TRI-DMS-01 (3603) CC-CS/86-NER/REW-2984/1/G2/NOA-1/7166 & 7167, DATE: 22.02.2017							
LINE NAME: EXISTING 33/11 kV JATANBARI S/S TO PROPOSED 33 kV DALAK S/S							
TOTAL LINE LENGTH: 7.932 km							
S.No.	Type of Pole	Extension	Pole Qty	12 m Pole	14 m Pole	16 m Pole	Remarks
1	SP (GA-01)	0 m	14	14			
2		2 m	1		1		
3		4 m	2			2	
4	SP (GA-02)	0 m	32	32			
5		2 m	2		2		
6		4 m	21			21	
7	DP (GA-03)	0 m	57	114			
8		2 m	23		46		
9		4 m	23			46	
10	FP (GA-04)	0 m	5	20			
11		2 m	0		0		
12		4 m	2			8	
13	SP (Double Circuit)	0 m	3	3			
14		2 m	0		0		
15		4 m	1			1	
16	DP (Double Circuit)	0 m	3	6			
17		2 m	1		2		
18		4 m	1			2	
19	FP (Double Circuit)	0 m	1	4			
20		2 m			0		
21		4 m				0	
	TOTAL			193	51	80	

SUBMITTED BY:
TechnoFab Engineering Ltd.

Akhil Chakma
DETS Udaipur
CHECKED BY:
PGCIL

एम.के.नाग / M. K. NAG
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उ.पू.क्षे. उदयपुर / NER, UDAIPUR
APPROVED BY:
PGCIL

DETAIL POLE SCHEDULE OF "EXISTING 33 KV JATANBARI S/S TO PROPOSED DALAK S/S"

SL.NO	AP NO	POLE NO	TYPE OF POLE	DIT	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMULTIV LENGTH	CROSSING	VILLAGE NAME	GPS DATA (WGS) EASTING	GPS DATA (WGS) NORTHING	REMARKS
1	1	1	DP+0	0						JATAN BARI	91°45'49.9"	23°25'7.4"	
						23	23	23	JATAN BARI S/S				
2	2	2	DP+0	0	88°35'10"RT					JATAN BARI	91°45'40.6"	23°25'7.1"	
						36	36	59	2Nos 33Kv				
3	3	3	DP+0	0	11°21'18"LT					JATAN BARI	91°45'40.8"	23°25'5.8"	
						42	42	101	2Nos 33Kv, Metal Road, VH Road				33KV TO BE DIVERTED
4	4	4	DP+0	0	144°7'50"LT					JATAN BARI	91°45'41.1"	23°25'4.6"	
						39	39	140	33Kv, 2Nos 11Kv, Metal Road				33KV TO BE DIVERTED
5	5	5	DP+0	0	13°5'54"RT					JATAN BARI	91°45'41.1"	23°25'5.9"	
						40	40	180	Metal Road, 2Nos 33 KV LT				
6	6	6	DP+0	0	2°32'49"LT					JATAN BARI	91°45'41.8"	23°25'7"	
						37	37	217	Metal Road				
7	7	7	DP+2	2	17°52'17"RT					JATAN BARI	91°45'41.5"	23°25'8.2"	
						44	44	261	LT Line				
8	8	8	DP+2	2	22°47'44"LT					JATAN BARI	91°45'40.8"	23°25'9.9"	
						36	36	297	LT Line				
9	9	9	DP+2	2	18°18'9"RT					JATAN BARI	91°45'40.5"	23°25'10.5"	
						35	35	332	Metal Road, LT Line				
10	10	10	DP+2	2	16°54'31"RT					JATAN BARI	91°45'40.6"	23°25'11.4"	
						42	42	374					
11	11	11	DP+2	2	19°58'25"LT					JATAN BARI	91°45'40.1"	23°25'12.1"	
						42	42	416	Metal Road, LT Line				
12	12	12	DP+2	2	10°18'52"RT					JATAN BARI	91°45'40.1"	23°25'14.1"	
						37	37	452	Metal Road, LT Line				
13	13	13	DP+4	4	41°2'6"RT					JATAN BARI	91°45'39.8"	23°25'15.1"	
						41	41	493	33Kv				
14	14	14	DP+4	4	36°59'31"LT					JATAN BARI	91°45'44.8"	23°25'15.4"	
						32	32	525	33KV S/C, Metal Road, LT				
15	15	15	DP+0	0	17°57'15"RT					JATAN BARI	91°45'45.3"	23°25'19.6"	
						29	29	549	Metal Road				
16	16	16	DCDP+0	0	17°18'36"LT					JATAN BARI	91°45'46"	23°25'17.1"	ON LINE
						35	35	584	Metal Road				
17	17	17	DP+0	0	0°57'38"RT					JATAN BARI	91°45'46.5"	23°25'18.1"	SP WITH ANGLE
						44	44	628	33KV S/C				
18	18	18	DP+0	0	22°34'29"RT					UTTAR JATAN BARI	91°45'47.2"	23°25'19.8"	
						42	42	670					
19	19	19	DP+0	0	7°21'38"LT					UTTAR JATAN BARI	91°45'46.4"	23°25'20.6"	SP WITH ANGLE
						44	44	714	VH Road				
20	20	20	DCDP+0	0	29°15'41"LT					UTTAR JATAN BARI	91°45'49.1"	23°25'21.6"	ON LINE
						43	43	757	LT Line				
21	21	21	DCDP+0	0	70°6'3"LT					UTTAR JATAN BARI	91°45'49.6"	23°25'22"	ON LINE
						42	42	799					
22	22	22	DP+2	2	2°1'46"RT					UTTAR JATAN BARI	91°45'48.6"	23°25'23.8"	SP WITH ANGLE
						42	42	841	LT Line				
23	23	23	DP+2	2	24°49'11"RT					UTTAR JATAN BARI	91°45'47.4"	23°25'24.6"	
						43	43	883	LT Line				
24	24	24	DP+0	0	0°19'27"LT					UTTAR JATAN BARI	91°45'46.7"	23°25'25.8"	SP WITH ANGLE
						42	42	925					
25	25	25	DP+0	0	10°19'26"RT					UTTAR JATAN BARI	91°45'45.9"	23°25'26.8"	
						42	42	967					
26	26	26	DP+0	0	10°13'38"RT					UTTAR JATAN BARI	91°45'45.5"	23°25'28.3"	
						42	42	1009					
27	27	27	DP+0	0	17°12'38"RT					UTTAR JATAN BARI	91°45'45.9"	23°25'29.9"	
						42	42	1051					
28	28	28	DP+0	0	8°20'17"LT					UTTAR JATAN BARI	91°45'46.9"	23°25'30.1"	SP WITH ANGLE
						42	42	1093					
29	29	29	DP+2	2	13°55'59"RT					UTTAR JATAN BARI	91°45'47.4"	23°25'31.9"	
						42	42	1135	Metal Road, LT Line				
30	30	30	DP+2	2	16°13'24"RT					UTTAR JATAN BARI	91°45'48.2"	23°25'33"	
						42	42	1177	Metal Road, LT Line				
31	31	31	DP+2	2	10°13'17"LT					UTTAR JATAN BARI	91°45'49.1"	23°25'33.4"	
						42	42	1219	LT Line				
32	32	32	DCDP+0	0	9°19'54"RT					UTTAR JATAN BARI	91°45'50"	23°25'35.1"	SP WITH ANGLE(ON LINE)
						42	42	1261	LT Line				
33	33	33	DP+0	0	16°54'49"LT					UTTAR JATAN BARI	91°45'50.7"	23°25'35.1"	
						45	45	1306					
34	34	34	DP+0	0	45°54'43"LT					UTTAR JATAN BARI	91°45'51"	23°25'37.1"	
						43	43	1349	Metal Road				
35	35	35	DP+0	0	8°56'36"LT					UTTAR JATAN BARI	91°45'49.8"	23°25'38.1"	SP WITH ANGLE
						42	42	1391					
36	36	36	DP+0	0	17°54'22"RT					UTTAR JATAN BARI	91°45'48.5"	23°25'39.2"	
						42	42	1432					
37	37	37	DP+0	0	17°52'40"RT					UTTAR JATAN BARI	91°45'47.4"	23°25'40.2"	SP WITH ANGLE
						42	42	1474					
38	38	38	DP+0	0	17°12'40"LT					UTTAR JATAN BARI	91°45'46.4"	23°25'41.1"	
						42	42	1516					
39	39	39	DP+0	0	13°47'22"LT					UTTAR JATAN BARI	91°45'45.1"	23°25'41.8"	
						45	45	1561	Metal Road				
40	40	40	DP+0	0	10°1'10"RT					UTTAR JATAN BARI	91°45'45.6"	23°25'42.2"	
						28	28	1589					

Hold

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CHECKED BY:
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06/09/17

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DETAIL POLE SCHEDULE OF "EXISTING 33 KV JATANBARI S/S TO PROPOSED DALAK S/S"

SL.NO	AP NO	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMULIV. LENGTH	CROSSING	VILLAGE NAME	GPS (WGS-84) EASTING	GPS (WGS-84) NORTHING	REMARKS
41	41	41	DP+0	0	[illegible]					JITAN JATAN BARI	91°45'42.7"	23°25'42.6"	
						42	42	1831	Metal Road				Hold
42	42	42	SP+0	0	[illegible]					JITAN JATAN BARI	91°45'41.4"	23°25'42"	SP WITH ANGLE
						43	43	1872					
43	43	43	SP+4	4	[illegible]					JITAN JATAN BARI	91°45'40.1"	23°25'41.4"	SP WITH ANGLE
						42	42	1725	LT Line				Hold
44	44	44	DP+2	2	[illegible]					JITAN JATAN BARI	91°45'38.7"	23°25'41.0"	
						42	42	1756					
45	45	45	DP+0	0	[illegible]					JITAN JATAN BARI	91°45'37.2"	23°25'41.1"	
						42	42	1798					
46	46	46	SP+4	4	[illegible]					JITAN JATAN BARI	91°45'35.7"	23°25'41.1"	SP WITH ANGLE
						42	42	1840	Metal Road, 11kv				Hold
47	47	47	DEDP+2	2	[illegible]					JITAN JATAN BARI	91°45'34.3"	23°25'41.1"	DN LINE
						42	42	1882	LT Line				Hold
48	48	48	DP+4	4	[illegible]					JITAN JATAN BARI	91°45'32.8"	23°25'41"	
						42	42	1924	Metal Road, 11kv				
49	49	49	SP+4	4	[illegible]					JITAN JATAN BARI	91°45'31.7"	23°25'41.4"	SP WITH ANGLE
						42	42	1966					
50	50	50	SP+0	0	[illegible]					JITAN JATAN BARI	91°45'30.4"	23°25'42.5"	SP WITH ANGLE
						36	36	[illegible]					
51	51	51	DP+4	4	[illegible]					JITAN JATAN BARI	91°45'29.3"	23°25'43.3"	
						36	36	2016	LT Line				
52	52	52	SP+4	4	[illegible]					JITAN JATAN BARI	91°45'28.3"	23°25'43.3"	SP WITH ANGLE
						38	38	2053	Metal Road				
53	53	53	DP+4	4	[illegible]					JITAN JATAN BARI	91°45'26.8"	23°25'43.3"	
						42	42	2133	LT Line, Metal Road				
54	54	54	DP+2	2	[illegible]					JITAN JATAN BARI	91°45'25.4"	23°25'43.3"	
						45	45	2161	66kv S/C LT Line				
55	55	55	DP+2	2	[illegible]					JATAN BARI NATUN BAZAR	91°45'23.8"	23°25'43.8"	
						37	37	2198	66kv S/C	NATUN BAZAR			
56	56	56	DEDP+0	0	[illegible]					JATAN BARI NATUN BAZAR	91°45'22.2"	23°25'43.8"	DN LINE
						38	38	2236	LT line, 11kv				
57	57	57	DEDP+4	4	[illegible]					JATAN BARI NATUN BAZAR	91°45'22.1"	23°25'43.2"	DN LINE
						45	45	2281	Metal Road				
58	58	58	DP+4	4	[illegible]					JATAN BARI NATUN BAZAR	91°45'20"	23°25'43.1"	
						39	39	2501	Metal Road, 33kv LT Line				
59	59	59	DP+4	4	[illegible]					JATAN BARI NATUN BAZAR	91°45'20.2"	23°25'42.2"	
						32	32	2533	Metal Road				
60	60	60	SP+4	4	[illegible]					JATAN BARI NATUN BAZAR	91°45'20"	23°25'41.2"	SP WITH ANGLE
						44	44	2577	LT Line, 11ft Road				
61	61	61	DP+4	4	[illegible]					JATAN BARI NATUN BAZAR	91°45'18.1"	23°25'42.8"	
						101	101	2678	Gumti River				
62	62	62	DP+4	4	[illegible]					JATAN BARI NATUN BAZAR	91°45'17.1"	23°25'45.8"	
						43	43	2721					
63	63	63	SP+4	4	[illegible]					JATAN BARI NATUN BAZAR	91°45'16.8"	23°25'46.5"	SP WITH ANGLE
						40	40	2561	Metal Road, 11kv				Hold
64	64	64	DP+4	4	[illegible]					JATAN BARI NATUN BAZAR	91°45'15.4"	23°25'47.5"	
						42	42	2603					
65	65	65	DEDP+0	0	[illegible]					JATAN BARI NATUN BAZAR	91°45'15.1"	23°25'48.8"	SP WITH ANGLE(ON LINE)
						43	43	2646					
66	66	66	DEDP+0	0	[illegible]					JATAN BARI NATUN BAZAR	91°45'14.1"	23°25'50"	SP WITH ANGLE(ON LINE)
						43	43	2689					
67	67	67	SP+0	0	[illegible]					JATAN BARI NATUN BAZAR	91°45'13.8"	23°25'51.2"	SP WITH ANGLE
						25	25	2714					
68	68	68	SP+4	4	[illegible]					JATAN BARI NATUN BAZAR	91°45'13.4"	23°25'52"	SP WITH ANGLE
						42	42	2756	Metal Road, 11kv				Hold
69	69	69	DP+4	4	[illegible]					JATAN BARI NATUN BAZAR	91°45'12.1"	23°25'53"	
						40	40	2796	Metal Road, 11kv				Hold
70	70	70	DP+4	4	[illegible]					JATAN BARI NATUN BAZAR	91°45'11.2"	23°25'53.5"	
						40	40	2836					
71	71	71	DP+4	4	[illegible]					JATAN BARI NATUN BAZAR	91°45'9.8"	23°25'53.7"	
						44	44	2880	11kv, Metal Road, LT Line				Hold

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SL.NO	AP NO	POLE NO	TYPE OF POLE	DIT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS (WGS-84) EASTING	GPS (WGS-84) NORTHING	REMARKS
72	72	72	DCSP+4	4	[illegible]					JATAN BARI NATUN BAZAR	[illegible]	[illegible]	SP WITH ANGLE(ON LINE)
						42	42	[illegible]					
73	73	73	DP+2	2	[illegible]					JATAN BARI NATUN BAZAR	[illegible]	[illegible]	
						42	42	[illegible]	Metal Road, LT Line				
74	74	74	DP+2	2	[illegible]					NOYA CHARA	[illegible]	[illegible]	
						43	43	[illegible]	Vill Road, LT line				
75	75	75	SP+2	2	[illegible]					NOYA CHARA	[illegible]	[illegible]	SP WITH ANGLE
						42							
76		75/1	SP+0	0									
						42							
77		75/2	SP+0	0									
						42							
78		75/3	SP+0	0									
						37							
79		75/4	SP+4	4									
						42	205	[illegible]	Vill Road, 11kv				
80	76	76	DP+4	4	[illegible]					NOYA CHARA	[illegible]	[illegible]	
						42	42	[illegible]					
81	77	77	DP+0	0	[illegible]					NOYA CHARA	[illegible]	[illegible]	
						42	42	[illegible]					
82	78	78	SP+0	0	[illegible]					NOYA CHARA	[illegible]	[illegible]	SP WITH ANGLE
						45	45	[illegible]					
83	79	79	DP+2	2	[illegible]					NOYA CHARA	[illegible]	[illegible]	
						42	42	[illegible]	LT Line				
84	80	80	SP+4	4	[illegible]					NOYA CHARA	[illegible]	[illegible]	SP WITH ANGLE
						42	42	[illegible]	11kv LT Line, Metal Road				
85	81	81	SP+4	4	[illegible]					NOYA CHARA	[illegible]	[illegible]	SP WITH ANGLE
						42							
86		81/1	SP+0	0									
						42	84	[illegible]	Vill Road				
87	82	82	SP+0	0	[illegible]					NOYA CHARA	[illegible]	[illegible]	SP WITH ANGLE
						42							
88		82/1	SP+0	0									
						42	84	[illegible]					
89	83	83	DP+4	4	[illegible]					NOYA CHARA	[illegible]	[illegible]	
						42	42	[illegible]	Metal Road, 33kv				
90	84	84	SP+4	4	[illegible]					NOYA CHARA	[illegible]	[illegible]	SP WITH ANGLE
						36	39	[illegible]					
91	85	85	DP+2	2	[illegible]					NOYA CHARA	[illegible]	[illegible]	
						42			LT Line				
92		85/1	SP+0	0									
						42							
93		85/2	SP+0	0									
						41							
94		85/3	SP+0	0									
						42	167	[illegible]	Vill Road				
95	86	86	DP+0	0	[illegible]					NOYA CHARA	[illegible]	[illegible]	
						42	42	[illegible]					
96	87	87	SP+0	0	[illegible]					NOYA CHARA	[illegible]	[illegible]	SP WITH ANGLE
						42	42	[illegible]					
97	88	88	SP+0	0	[illegible]					NOYA CHARA	[illegible]	[illegible]	SP WITH ANGLE
						42	42	[illegible]	Metal road				
98	89	89	SP+4	4	[illegible]					NOYA CHARA	[illegible]	[illegible]	SP WITH ANGLE
						39	39	[illegible]	11kv				
99	90	90	SP+4	4	[illegible]					NOYA CHARA	[illegible]	[illegible]	SP WITH ANGLE
						44	44	[illegible]	LT Line+11kv				
100	91	91	DP+4	4	[illegible]					NOYA CHARA	[illegible]	[illegible]	
						40	40	[illegible]	LT Line+11kv				
101	92	92	SP+4	4	[illegible]					NOYA CHARA	[illegible]	[illegible]	SP WITH ANGLE
						45	45	[illegible]	Metal Road, 11kv				
102	93	93	DP+4	4	[illegible]					NOYA CHARA	[illegible]	[illegible]	
						42	42	[illegible]	LT Line				
103	94	94	SP+4	4	[illegible]					NOYA CHARA	[illegible]	[illegible]	SP WITH ANGLE
						37	37	[illegible]	Metal Road, 11kv				
104	95	95	DP+4	4	[illegible]					NOYA CHARA	[illegible]	[illegible]	
						42							
105		95/1	SP+0	0									
						40	42	[illegible]					
106	96	96	DP+0	0	[illegible]					NOYA CHARA	[illegible]	[illegible]	
						41	41	[illegible]	MRV S/C, Metal Road				
107	97	97	DP+0	0	[illegible]					NOYA CHARA	[illegible]	[illegible]	
						45	45	[illegible]	Vill Road				
108	98	98	SP+4	4	[illegible]					NOYA CHARA	[illegible]	[illegible]	SP WITH ANGLE
						36	36	[illegible]	11kv+LT Line				
109	99	99	SP+4	4	[illegible]					NOYA CHARA	[illegible]	[illegible]	
						42	42	[illegible]					
110	100	100	DP+4	4	[illegible]					NOYA CHARA	[illegible]	[illegible]	
						43	43	[illegible]	Metal Road, 11kv				
111	101	101	SP+4	4	[illegible]					KHEDAPIMAL	[illegible]	[illegible]	SP WITH ANGLE
						44	44	[illegible]	Metal Road				

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102	102	102	DP+0	0	49°38'13"LT					KHEDARNAL	91°44'24.1"	23°26'17.6"	
						45	45	4591	Metal Road				Hold
103	103	103	DP+0	0	14°47'21"RT					KHEDARNAL	91°44'21.1"	23°26'16.7"	
						41	41	4632					
104	104	104	SP+0	0	0°18'35"RT					KHEDARNAL	91°44'21.6"	23°26'16.3"	SP WITH ANGLE
						41	42	4674	66kV W/C				Hold
105	105	105	DP+0	0	10°43'27"LT					KHEDARNAL	91°44'20.2"	23°26'15.8"	
						42	42	4716					
106	106	106	DP+0	0	0°57'28"LT					KHEDARNAL	91°44'19".	23°26'15.1"	SP WITH ANGLE
						41	42	4758	Metal Road				Hold
107	107	107	DP+0	0	0°50'3"RT					KHEDARNAL	91°44'17.9"	23°26'14.4"	SP WITH ANGLE
						41	42	4800					
108	108	108	SP+0	0	5°18'24"RT					KHEDARNAL	91°44'16.4"	23°26'13.7"	SP WITH ANGLE
						41	42	4842					
109	109	109	DP+0	0	14°51'20"RT					KHEDARNAL	91°44'15.1"	23°26'13.2"	
						42	42	4884					
110	110	110	SP+0	0	26°11'47"LT					KHEDARNAL	91°44'13.6"	23°26'13"	
						42	42	4926	Metal Road				Hold
111	111	111	DP+0	0	4°41'21"RT					KHEDARNAL	91°44'12.4"	23°26'12.6"	SP WITH ANGLE
						39	39	4965					
112	112	112	DP+0	0	11°20'48"LT					KHEDARNAL	91°44'11.2"	23°26'12.3"	
						45	45	5010	Metal Road				Hold
113	113	113	DP+0	0	21°24'3"RT					KHEDARNAL	91°44'10"	23°26'12.7"	
						42	42	5052	11kv				
114	114	114	DP+0	0	18°1'2"RT					KHEDARNAL	91°44'8.5"	23°26'13.3"	
						42	42	5094	Metal Road				
115	115	115	SP+0	0	4°50'50"LT					KHEDARNAL	91°44'7.1"	23°26'14.4"	SP WITH ANGLE
						42	42	5136					
116	116	116	SP+0	0	0°46'30"LT					KHEDARNAL	91°44'5.8"	23°26'15.3"	SP WITH ANGLE
						42	42	5178					
117	117	117	DP+0	0	26°11'31"RT					KHEDARNAL	91°44'4.1"	23°26'16.1"	Hold
						42	42	5220	Metal Road				
118	118	118	DP+0	0	11°8'5"LT					KHEDARNAL	91°44'2.7"	23°26'16.5"	
						41	41	5261					
119	119	119	DP+0	0	22°1'49"RT					KHEDARNAL	91°44'1.5"	23°26'16.6"	
						40	40	5301	Metal Road				Hold
120	120	120	DP+0	0	69°46'27"RT					KHEDARNAL	91°44'0"	23°26'17.1"	
						42	42	5343	Metal Road				
121	121	121	SP+0	0	8°18'52"RT					KHEDARNAL	90°44'0.1"	23°26'17.5"	SP WITH ANGLE
						40	40	5383					
122	122	122	DP+0	0	20°36'13"LT					KHEDARNAL	91°44'0.3"	23°26'18.8"	
						40	40	5423	11kv				Hold
123	123	123	SP+0	0	8°53'18"LT					KHEDARNAL	91°44'0"	23°26'19.3"	SP WITH ANGLE
						42							
124		124/1	SP+0	0									
						42	84	5507					
125	124	124	DP+0	0	11°52'20"LT					KHEDARNAL	91°43'58"	23°26'21.6"	
						42	42	5549	Metal Road				Hold
126	125	125	SP+0	0	0°14'18"RT					KHEDARNAL	91°43'56.2"	23°26'21.9"	SP WITH ANGLE
						42	42	5591					
127	126	126	SP+0	0	8°28'31"LT					SOHAN KUMAR PAPA	91°43'55.7"	23°26'22.3"	SP WITH ANGLE
						44	44	5635					
128	127	127	DP+0	0	20°20'50"LT					SOHAN KUMAR PAPA	91°43'56.9"	23°26'22.3"	
						42	42	5677	Nala				
129	128	128	DP+0	0	13°13'30"RT					SOHAN KUMAR PAPA	91°43'55.7"	23°26'22.5"	
						42	42	5719	Metal Road				Hold
130	129	129	DP+0	0	23°26'5"LT					SOHAN KUMAR PAPA	91°43'54.8"	23°26'23.2"	
						42	42	5761	LT Line, Metal Road				
131	130	130	DP+0	2	11°46'2"RT					SOHAN KUMAR PAPA	91°43'53.5"	23°26'23.8"	
						42	42	5804					
132	131	131	SP+4	4	6°25'51"LT					SOHAN KUMAR PAPA	91°43'53.2"	23°26'25.2"	SP WITH ANGLE
						42	42	5846	Mud Road, LT Line				Hold
133	132	132	DP+0	2	11°38'21"LT					SOHAN KUMAR PAPA	91°43'52.8"	23°26'26.5"	
						42	42	5887	Metal Road				
134	133	133	DP+0	0	42°33'54"LT					SOHAN KUMAR PAPA	91°43'52.1"	23°26'27.7"	
						42	42	5929					
135	134	134	DP+0	2	18°38'43"LT					SOHAN KUMAR PAPA	91°43'50.7"	23°26'28.1"	
						40	40	5969	LT Line				
136	135	135	DP+0	2	49°10'42"LT					SOHAN KUMAR PAPA	91°43'49.1"	23°26'28.4"	Hold
						42	42	6011	Metal Road				
137	136	136	SP+0	0	8°2'23"LT					SOHAN KUMAR PAPA	91°43'48"	23°26'27.5"	SP WITH ANGLE
						44							
138		136/1	SP+0	0									
						44	88	6104	Metal Road				
139	137	137	DP+0	0	59°12'50"RT					SOHAN KUMAR PAPA	91°42'45.8"	23°26'25.8"	Hold
						42	42	6146	Metal Road				
140	138	138	DP+0	0	36°51'57"RT					SOHAN KUMAR PAPA	91°42'44.2"	23°26'26.1"	
						40	40	6186					
141	139	139	DP+0	0	35°58'51"RT					SOHAN KUMAR PAPA	91°42'42.5"	23°26'27.1"	
						45	45	6231					

TECHNOFAB ENGINEERING LIMITED TRIPURA

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APPROVED BY:

DETAIL POLE SCHEDULE OF "EXISTING 33 KV JATANBARI S/S TO PROPOSED DALAK S/S"

SL.NO	AP NO	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMULTV. LENGTH	CROSSING	VILLAGE NAME	GPS (WGS 84) EASTING	GPS (WGS 84) NORTHING	REMARKS
152	140	140	SP+0	0	[illegible]					JOGIN KUMAR PARA	91°10'42.8"	23°26'20.4"	SP WITH ANGLE
						45	45	6276					
153	141	141	DP+0	0	[illegible]					ANANDA PARA	91°10'42"	23°26'20.7"	
						45	45	6321	Metal Road				
154	142	142	DP+0	0	14°29'57"RT					ANANDA PARA	91°10'40.4"	23°26'20.9"	
						45	45	6366	Metal Road				
155	143	143	DP+0	0	[illegible]					ANANDA PARA	[illegible]	[illegible]	
						45	45	6411					
156	144	144	DP+0	0	53°11'37"LT					ANANDA PARA	91°10'38.7"	23°26'32.4"	
						42			Metal Road				
157		144/1	SP+4	4									
						42	84	6495	Metal Road, LT Line				
158	145	145	DP+0	0	23°53'37"LT					ANANDA PARA	91°10'35.3"	23°26'33.1"	
						42	42	6537	Metal Road				
159	146	146	DP+0	0	32°31'07"LT					ANANDA PARA	91°10'34.4"	23°26'32.3"	
						42	42	6579					
160	147	147	DP+0	0	11°34'07"RT					ANANDA PARA	91°10'33.1"	23°26'32"	
						45	45	6624					
161	148	148	DP+0	0	20°21'07"RT					ANANDA PARA	91°10'31.3"	23°26'33.3"	
						45	45	6669					
162	149	149	DP+0	0	16°16'57"RT					ANANDA PARA	91°10'30.1"	23°26'33.1"	
						45	45	6714					
163	150	150	DP+0	0	27°54'14"RT					ANANDA PARA	91°10'28.8"	23°26'33.2"	
						42	42	6756					
164	151	151	DP+0	0	[illegible]					ANANDA PARA	91°10'27.6"	23°26'32.3"	
						45	45	6801	Vill Road				
165	152	152	DP+0	0	16°58'04"RT					ANANDA PARA	[illegible]	23°26'33.0"	
						42	42	6843					
166	153	153	DP+0	0	37°56'27"RT					ANANDA PARA	91°10'24.7"	23°26'32.6"	
						42			Metal Road				
167		153/1	SP+0	0									
						42	84	6927					
168	154	154	SP+0	0	0°48'0"RT					ANANDA PARA	91°10'23.3"	23°26'35.2"	SP WITH ANGLE
						42							
169		154/1	SP+0	0									
						42	84	7011					
170	155	155	DP+0	0	14°17'46"RT					ANANDA PARA	91°10'22.9"	23°26'37.8"	
						42							
171		155/1	SP+0	0									
						42							
172		155/2	SP+0	0									
						30	124	7135					
173	156	156	SP+0	0	2°14'0"RT					ANANDA PARA	91°10'22.7"	23°26'42.8"	SP WITH ANGLE
						41	41	7176	Metal Road				
174	157	157	DP+0	0	40°17'17"RT					ANANDA PARA	91°10'22.7"	23°26'43.2"	
						44	44	7220	Metal Road				
175	158	158	DP+0	0	13°41'47"LT					ANANDA PARA	91°10'23.7"	23°26'44.4"	
						45	45	7265					
176	159	159	SP+0	0	8°53'10"LT					ANANDA PARA	91°10'24.4"	23°26'45.6"	SP WITH ANGLE
						45	45	7310					
177	160	160	DP+0	0	24°48'20"LT					ANANDA PARA	91°10'24.8"	23°26'47"	
						45	45	7355	66kV S/C				
178	161	161	DP+0	0	27°14'44"LT					CHALAGANG	91°10'24.4"	23°26'48.5"	
						45	45	7400	Metal Road				
179	161	162	DP+0	0	10°15'22"RT					CHALAGANG	91°10'23.7"	23°26'49.6"	
						41	41	7441					
180	163	163	DP+4	4	12°24'37"RT					CHALAGANG	91°10'22.1"	23°26'50.8"	
						42	42	7484	Metal Road, 33kV				
181	164	164	SP+4	4	8°54'10"RT					CHALAGANG	91°10'21.2"	23°26'52.4"	SP WITH ANGLE
						39	39	7523					
182	165	165	SP+0	0	5°21'38"RT					CHALAGANG	91°10'21.1"	23°26'53.6"	SP WITH ANGLE
						41	41	7564	66kV S/C				
183	166	166	SP+0	0	[illegible]					CHALAGANG	91°10'20.8"	23°26'54.8"	
						43	43	7607					
184	167	167	DP+0	0	11°53'09"LT					CHALAGANG	91°10'22.3"	23°26'55.3"	
						38	38	7645	Metal Road				
185	168	168	SP+0	0	2°42'17"LT					CHALAGANG	91°10'21.3"	23°26'56.2"	SP WITH ANGLE
						45	45	7690	66kV S/C				
186	169	169	SP+0	0	1°15'38"RT					CHALAGANG	91°10'19.6"	23°26'56.6"	SP WITH ANGLE
						45	45	7735					
187	170	170	DP+0	0	10°56'8"RT					CHALAGANG	91°10'18.8"	23°26'57.2"	
						43	43	7778					
188	171	171	SP+0	0	2°54'38"LT					CHALAGANG	91°10'16.9"	23°26'57.9"	SP WITH ANGLE
						45	45	7823					
189	172	172	SP+0	0	2°14'50"RT					CHALAGANG	91°10'15.1"	23°26'58.4"	SP WITH ANGLE
						40	40	7863	Metal Road				
190	173	173	SP+4	4	1°51'56"LT					CHALAGANG	91°10'14.3"	23°26'59.4"	SP WITH ANGLE
						45	45	7908	33kV LT Line				
191	174	174	SP+4	4	57°35'47"LT					CHALAGANG	91°10'12.3"	23°27'0"	
						24	24	7932	33kV LT Line				
192	175	175	DP+0	0						CHALAGANG	91°10'11.2"	23°26'59.8"	

Hold
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Hold
Hold
Hold
Hold

pole schedule with normal height (+0m) which are within the permissible limit of deviation
Angles within permissible angles or deviation are approved.
All crossing pole with extensions, pole where individual span exceed the max. limits are put on hold. Details profile to be submitted for the above crossing and violations.

TECHNOFAB ENGINEERING LIMITED TRIPURA

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APPROVED BY:

Appendix C

TOWER SCHEDULE

CROSSING DETAILS

LINK NAME: PROPOSED 33/11 kV AMARPUR S/S TO PROPOSED 33/11 kV CHECHUA S/S				
S.No.	Description	Unit	Quantity	Remarks
A	Pole Height			
1	0 m Extension	416		
2	2 m Extension	144		
3	4 m Extension	246		
B	Crossings			
1	LT Line Crossing	68		
2	11 kV Crossing	96		
3	66 kV Crossing	9		
4	NH Crossing	0		
C	River Crossing	1		
D	Pond Crossing	2		
E	Nala Crossing	5		
F	Road Crossing	183		
G	Span Violation	6		
H	Angle Violation	3		

Note: We have approved 12 m Pole Drawing (0 m Extension) and we have proposed 14 m Pole (2 m Extension) and 16 m Pole (4 m Extension) for crossings.

Pole schedule with normal pole (+0m) & coloid are within the permissible limit of angle of deviation & within the permissible limit of individual span are approved
Put on Hold:- All road crossing span, power line crossing span, railway line crossing span, river crossing span etc. & span having angle of individual span limit violations
Detail profile to be submitted for the above crossing.

23/08/2017
(S.S. Dh)

TECHNOFAB ENGINEERING LIMITED TRIPURA

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APPROVED BY:
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POLE SUMMARY

POLE SUMMARY DETAILS							
TRIPURA STATE ASSOCIATED WITH NER POWER SYSTEM IMPROVEMENT PROJECT (DMS PACKAGE-03)							
TRI-DMS-01 (3603) CC-CS/86-NER/REW-2984/1/G2/NOA-I/7166 & 7167 Date: 22.02.2017							
LINE LINK: PROPOSED 33/11 kV AMARPUR S/S TO PROPOSED 33/11 kV CHECHUA S/S							
TOTAL LINE LENGTH: 19.765 km							
S.No.	Type of Pole	Extension	Pole Qty	12 m Pole	14 m Pole	16 m Pole	Remarks
1	SP (GA-01)	0 m	29	29			
2		2 m	1		1		
3		4 m	10			10	
4	SP (GA-02)	0 m	83	83			
5		2 m	27		27		
6		4 m	26			26	
7	DP (GA-03)	0 m	114	228			
8		2 m	50		100		
9		4 m	89			178	
10	FP (GA-04)	0 m	15	60			
11		2 m	4		16		
12		4 m	6			24	
13	DP Double Circuit	0 m	6	12			
14		2 m	0		0		
15		4 m	4			8	
16	FP Double Circuit	0 m	1	4			
17		2 m	0		0		
18		4 m	0			0	
	TOTAL			416	144	246	

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DETAIL POLE SCHEDULE OF "132/33 KV PROPOSED AMARPUR S/S TO PROPOSED CHECHUA S/S"

SL.NO	AP NO	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS WGS-84 EASTING	GPS WGS-84 NORTHING	REMARKS
1	1	1	FP+0	0						THAK CHARA	91°38'33.6"	23°30'33.8"	
						35	35	35					
2	2	2	FP+0	0	85°21'05"LT					THAK CHARA	91°38'32.7"	23°30'34.6"	
						45	45	80					
3	3	3	SP+0	0	0°21'53"LT					THAK CHARA	91°38'31.6"	23°30'33.6"	SP WITH ANGLE
						36	36	116	Metal Road				
4	4	4	DP+0	0	35°17'21"LT					THAK CHARA	91°38'30.6"	23°30'32.8"	
						42	42	158	Metal Road				
5	5	5	DP+2	2	32°33'33"RT					THAK CHARA	91°38'30.3"	23°30'31.5"	
						43	43	201	11Kv, Vill Road				
6	6	6	SP+4	4	4°23'36"RT					THAK CHARA	91°38'29.9"	23°30'30.9"	SP WITH ANGLE
						41	41	241					
7	7	7	DP+0	0	17°56'58"RT					THAK CHARA	91°38'27.6"	23°30'30.4"	
						43	43	285	Metal Road				
8	8	8	DP+0	0	12°22'58"LT					THAK CHARA	91°38'26.1"	23°30'30.4"	
						45							
9		8/1	SP+0	0									
						50	95	380	Pond				
10	9	9	SP+0	0	2°21'43"LT					THAK CHARA	91°38'22.8"	23°30'29.6"	SP WITH ANGLE
						42	42	422	Vill Road, Pond				
11	10	10	DP+0	0	11°17'55"RT					THAK CHARA	91°38'21.4"	23°30'29.2"	
						42							
12		10/1	SP+0	0									
						42							
13		10/2	SP+0	0									
						42							
14		10/3	SP+0	0									
						45							
15		10/4	SP+0	0									
						40	215	636					
16	11	11	FP+0	0	68°10'20"LT					THAK CHARA	91°38'13.9"	23°30'28.4"	
						45	45	681					
17	12	12	DP+0	0	25°23'52"RT					THAK CHARA	91°38'13.4"	23°30'27"	
						42	42	723					
18	13	13	DP+4	4	58°24'0"RT					THAK CHARA	91°38'12.4"	23°30'26"	
						42	42	767	Metal Road, 11Kv				
19	14	14	SP+4	4	5°30'26"RT					THAK CHARA	91°38'10.9"	23°30'26.3"	SP WITH ANGLE
						41							
20		14/1	SP+0	0									
						41	83	850					
21	15	15	DP+2	2	58°34'46"RT					THAK CHARA	91°38'8.1"	23°30'27.1"	
						49	49	899	Metal Road, 11Kv				
22	16	16	DP+4	4	17°25'7"LT					THAK CHARA	91°38'6.8"	23°30'27.9"	
						43	43	936	11Kv				
23	17	17	DP+4	4	29°48'3"LT					THAK CHARA	91°38'5.4"	23°30'28.2"	
						42	42	978	Metal Road				
24	18	18	SP+0	0	2°29'32"RT					THAK CHARA	91°38'4"	23°30'27.9"	SP WITH ANGLE
						45	45	1023					
25	19	19	SP+0	0	0°10'52"RT					THAK CHARA	91°38'2.4"	23°30'27.6"	SP WITH ANGLE
						43	43	1066					
26	20	20	DP+4	4	48°57'46"RT					THAK CHARA	91°38'0.8"	23°30'27.4"	
						45			Vill Road, 11Kv				
27		20/1	SP+4	4									
						45	90	1155	Vill Road, 11Kv				
28	21	21	DP+4	4	35°49'07"LT					THAK CHARA	91°37'58.4"	23°30'29.2"	
						45	45	1201					
29	22	22	SP+0	0	5°37'27"RT					THAK CHARA	91°37'56.9"	23°30'29.7"	SP WITH ANGLE
						42	42	1243	Metal Road				
30	23	23	SP+0	0	7°30'48"LT					THAK CHARA	91°37'55.6"	23°30'30.3"	SP WITH ANGLE
						45	45	1288	Metal Road				
31	24	24	SP+0	0	3°6'25"RT					THAK CHARA	91°37'54.1"	23°30'30.8"	SP WITH ANGLE
						42	42	1330					
32	25	25	SP+4	4	1°4'6"RT					THAK CHARA	91°37'52.8"	23°30'31.4"	SP WITH ANGLE
						45	45	1375	Metal Road, 11Kv				
33	26	26	DP+4	4	32°56'35"RT					THAK CHARA	91°37'51.4"	23°30'32.1"	
						42	42	1417					
34	27	27	SP+0	0	0°51'29"LT					THAK CHARA	91°37'50.6"	23°30'33.5"	SP WITH ANGLE
						40	40	1457					
35	28	28	DP+2	2	18°12'9"LT					THAK CHARA	91°37'50"	23°30'34.4"	
						41	41	1498	Metal Road, 11Kv				
36	29	29	D/C DP+4	4	15°58'39"RT					THAK CHARA	91°37'48.5"	23°30'35.5"	ONLINE
						42	42	1540					
37	30	30	SP+4	4	1°29'47"LT					THAK CHARA	91°37'46.1"	23°30'36.4"	SP WITH ANGLE
						38	38	1578	Metal Road, 11Kv				
38	31	31	DP+4	4	34°52'11"LT					THAK CHARA	91°37'43.4"	23°30'37.5"	
						38			Metal Road				
39		31/1	SP+0	0									
						42	80	1658	Metal Road				
40	32	32	DP+0	0	11°8'14"RT					THAK CHARA	91°37'44.7"	23°30'38.4"	
						42	42	1700	Metal Road				
41	33	33	SP+0	0	8°36'33"LT					THAK CHARA	91°37'43.5"	23°30'39.2"	SP WITH ANGLE
						42	42	1742					
42	34	34	DP+0	0	26°34'46"LT					THAK CHARA	91°37'42.2"	23°30'39.8"	
						42	42	1784	Metal Road				
43	35	35	DP+0	0	14°28'12"RT					THAK CHARA	91°37'40.7"	23°30'39.8"	
						42	42	1826	Metal Road				
44	36	36	SP+4	4	0°28'5"RT					THAK CHARA	91°37'39.3"	23°30'40.2"	SP WITH ANGLE
						43	43	1869	11Kv				
45	37	37	DP+4	4	52°25'36"RT					THAK CHARA	91°37'37.9"	23°30'40.8"	
						43	43	1912					
46	38	38	DP+4	4	29°55'36"RT					THAK CHARA	91°37'37.6"	23°30'42.2"	

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DETAIL POLE SCHEDULE OF "132/33 KV PROPOSED AMARPUR S/S TO PROPOSED CHECHUA S/S"

						37	37	1943	Metal Road, 11Kv				- Hold
47	39	39	SP+4	4	4°14'37"LT					THAK CHARA	91°37'38"	23°30'45.5"	SP WITH ANGLE
						45	45	1994					
48	40	40	SP+0	0	5°16'10"RT					THAK CHARA	91°37'38.4"	23°30'44.7"	SP WITH ANGLE
						42	42	2036					
49	41	41	SP+0	0	4°21'58"LT					THAK CHARA	91°37'38.9"	23°30'46"	SP WITH ANGLE
						42	42	2078					
50	42	42	SP+4	4	9°2'47"LT					THAK CHARA	91°37'39.2"	23°30'47.3"	SP WITH ANGLE
						42	42	2120	Metal Road, 11Kv				
51	43	43	SP+4	4	4°49'19"RT					THAK CHARA	91°37'39.3"	23°30'48.7"	SP WITH ANGLE
						40	40	2160	Metal Road, 11Kv				
52	44	44	DP+4	4	55°2'14"LT					THAK CHARA	91°37'39.7"	23°30'50"	
						42	42	2202					
53	45	45	DP+0	0	8°24'5"RT					THAK CHARA	91°37'38.7"	23°30'50.6"	
						42	42	2244					
54	46	46	SP+0	0	1°5'48"RT					THAK CHARA	91°37'38.6"	23°30'52.3"	SP WITH ANGLE
						38	38	2282					
55	47	47	DP+4	4	37°20'50"RT					THAK CHARA	91°37'39.5"	23°30'53.5"	
						45	45	2327	Metal Road, 11Kv				
56	48	48	DP+4	4	35°39'23"RT					THAK CHARA	91°37'39.4"	23°30'54.7"	
						45	45	2372	Metal Road, 11Kv				
57	49	49	DP+4	4	36°25'48"LT					THAK CHARA	91°37'40.9"	23°30'55.2"	
						45	45	2417					
58	50	50	DP+0	0	25°34'21"RT					THAK CHARA	91°37'41.9"	23°30'56.3"	
						43	43	2460					
59	51	51	SP+0	0	5°1'5"LT					THAK CHARA	91°37'43.1"	23°30'56.9"	SP WITH ANGLE
						43	43	2503					
60	52	52	DP+0	0	24°4'15"LT					THAK CHARA	91°37'44.6"	23°30'57.6"	
						42	42	2545					
61	53	53	SP+4	4	2°6'33"LT					THAK CHARA	91°37'45.5"	23°30'58.7"	SP WITH ANGLE
						45	45	2590	Metal Road, 11Kv				- Hold
62	54	54	DP+4	4	18°5'32"RT					MUKRAI	91°37'46.4"	23°30'59.9"	
						42	42	2632					
63	55	55	SP+0	0	5°31'52"LT					MUKRAI	91°37'47.6"	23°31'0.7"	SP WITH ANGLE
						45	45	2677					
64	56	56	DP+4	4	55°2'31"RT					MUKRAI	91°37'48.7"	23°31'1.7"	
						42	42	2719	Metal Road, 11Kv				- Hold
65	57	57	DP+4	4	21°59'1"LT					MUKRAI	91°37'50.2"	23°31'1.3"	
						45	45	2764					
66	58	58	DP+0	0	11°11'20"LT					MUKRAI	91°37'51.7"	23°31'1.8"	
						45	45	2809					
67	59	59	DP+0	0	11°59'0"RT					MUKRAI	91°37'53.2"	23°31'2.4"	
						42	42	2851					
68	60	60	DP+2	2	26°42'10"RT					MUKRAI	91°37'54.6"	23°31'2.7"	
						45	45	2896	Vill Road, LT Line				- Hold
69	61	61	SP+2	2	5°44'5"LT					MUKRAI	91°37'56.2"	23°31'2.3"	SP WITH ANGLE
						45	45	2941					
70	62	62	DP+2	2	22°31'31"LT					MUKRAI	91°37'57.8"	23°31'2.2"	
						42	42	2983	2Nos LT Line, Metal Road				- Hold
71	63	63	DP+2	2	53°28'44"RT					MUKRAI	91°37'59.2"	23°31'2.5"	
						42	42	3025					
72	64	64	DP+0	0	21°33'8"LT					MUKRAI	91°38'0.7"	23°31'2.6"	
						45	45	3070					
73	65	65	DP+2	2	16°54'57"RT					MUKRAI	91°38'2"	23°31'3.3"	
						45	45	3115	2Nos LT Line, Vill Road				- Hold
74	66	66	DP+2	2	27°5'42"RT					MUKRAI	91°38'3.6"	23°31'3.6"	
						42	42	3157					
75	67	67	SP+0	0	7°52'28"LT					MUKRAI	91°38'5"	23°31'3.2"	SP WITH ANGLE
						45	45	3202					
76	68	68	SP+0	0	4°52'17"RT					MUKRAI	91°38'6.6"	23°31'3"	SP WITH ANGLE
						42			Vill Road				- Hold
77		68/1	SP+0	0									
						42	84	3288					
78	69	69	SP+0	0	3°27'30"RT					MUKRAI	91°38'8.5"	23°31'2.5"	SP WITH ANGLE
						45	45	3333					
79	70	70	DP+0	0	18°55'55"LT					MUKRAI	91°38'11"	23°31'2.1"	
						45	45	3378					
80	71	71	SP+0	0	0°33'40"LT					MUKRAI	91°38'12.5"	23°31'2.2"	SP WITH ANGLE
						45	45	3423	Metal Road				- Hold
81	72	72	SP+0	0	2°5'32"RT					MUKRAI	91°38'14.1"	23°31'2.3"	SP WITH ANGLE
						42	42	3465					
82	73	73	SP+0	0	1°14'35"LT					MUKRAI	91°38'15.6"	23°31'2.3"	SP WITH ANGLE
						42	42	3507	Metal Road				
83	74	74	DP+2	2	23°47'25"RT					MUKRAI	91°38'17.1"	23°31'2.4"	
						42	42	3549	Metal Road, Vill Road, 2Nos LT Line				- Hold
84	75	75	SP+2	2	1°10'18"LT					MUKRAI	91°38'18.5"	23°31'1.9"	SP WITH ANGLE
						45	45	3590					
85	76	76	SP+2	2	8°19'20"LT					MUKRAI	91°38'20"	23°31'1.4"	SP WITH ANGLE
						45	45	3635	Metal Road, LT Line				- Hold
86	77	77	SP+2	2	2°16'43"RT					MUKRAI	91°38'21.5"	23°31'1.2"	SP WITH ANGLE
						45	45	3680					
87	78	78	DP+2	2	14°21'1"RT					MUKRAI	91°38'23.1"	23°31'0.8"	
						43	43	3723	Metal Road, LT Line				- Hold
88	79	79	DP+2	2	14°19'9"LT					MUKRAI	91°38'24.4"	23°31'0.2"	
						43	43	3766					
89	80	80	SP+0	0	7°12'44"LT					MUKRAI	91°38'25.9"	23°30'59.8"	SP WITH ANGLE
						45	45	3809	Metal Road				- Hold
90	81	81	SP+0	0	4°28'24"RT					MUKRAI	91°38'27.4"	23°30'59.7"	SP WITH ANGLE
						45	45	3854					
91	82	82	DP+0	0	26°27'56"RT					MUKRAI	91°38'29"	23°30'59.5"	
						45	45	3899	Metal Road				- Hold
92	83	83	DP+2	2	43°21'0"LT					MUKRAI	91°38'30.2"	23°30'58.6"	

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DETAIL POLE SCHEDULE OF "132/33 KV PROPOSED AMARPUR S/S TO PROPOSED CHECHUA S/S"

						40	40	3930	Metal Road, LT Line				
93	84	84	SP+2	2	0°0'34"LT					MUKRAI	91°38'35.6"	23°30'58.8"	SP WITH ANGLE
						41	41	3930	Metal Road, LT Line				
94	85	85	DP+2	2	19°18'21"LT					MUKRAI	91°38'33.1"	23°30'58.9"	
						42							
95		85/1	SP+0	0									
						44	38	4066					
96	86	86	SP+0	0	8°49'20"LT					MUKRAI	91°38'35.8"	23°31'0.2"	SP WITH ANGLE
						44	44	4110					
97	87	87	DP+0	0	3°48'1"LT					MUKRAI	91°38'37.1"	23°31'1"	
						42	42	4152					
98	88	88	SP+2	2	0°21'12"RT					MUKRAI	91°38'38.1"	23°31'1.8"	SP WITH ANGLE
						40	40	4192	Metal Road, LT Line				
99	89	89	DP+2	2	42°34'40"RT					MUKRAI	91°38'39.1"	23°31'2.8"	
						43	43	4235					
100	90	90	SP+2	2	1°53'52"RT					MUKRAI	91°38'40.6"	23°31'2.8"	SP WITH ANGLE
						41	41	4276	Metal Road, LT Line				
101	91	91	DP+4	4	31°13'45"LT					MUKRAI	91°38'42.1"	23°31'2.8"	
						42	42	4318	Metal Road, LT Line+11Kv				
102	92	92	DP+4	4	9°59'35"LT					MUKRAI	91°38'43.4"	23°31'3.5"	
						44	44	4362					
103	93	93	DP+0	0	31°8'44"RT					MUKRAI	91°38'44.5"	23°31'4.5"	
						42	42	4404	Metal Road				
104	94	94	DP+4	4	20°9'37"LT					MUKRAI	91°38'46"	23°31'4.8"	
						44	44	4448	Vill Road, LT Line, LT Line+11Kv				
105	95	95	DP+4	4	41°22'42"LT					DEB BARI	91°38'47.4"	23°31'5.2"	
						35			Metal Road, Vill Road, LT Line+11Kv				
106		95/1	DP+0	0									USE DP FOR POWER LINE CROSSING
						39	59	4507	11Kv				
107	96	96	FP+4	4	83°44'31"LT					DEB BARI	91°38'48.2"	23°31'6.9"	
						45	45	4552	11kv, Metal Road				
108	97	97	DP+4	4	35°13'59"RT					DEB BARI	91°38'46.9"	23°31'7.5"	
						43	43	4595	Metal Road, 2Nos 11Kv				
109	98	98	DP+4	4	45°41'40"RT					DEB BARI	91°38'45"	23°31'8.7"	
						42	42	4637	Metal Road				
110	99	99	D/C FP+0	0	68°4'47"LT					DEB BARI	91°38'45.4"	23°31'10"	ONLINE
						39	39	4676	Metal Road				
111	100	100	FP+4	4	64°45'13"RT					DEB BARI	91°38'45.9"	23°31'10.8"	
						42	42	4718	Metal Road				
112	101	101	DP+4	4	42°10'52"LT					DEB BARI	91°38'45.6"	23°31'12.1"	
						28	28	4746	Metal Road, 11Kv				
113	102	102	DP+4	4	13°5'7"RT					DEB BARI	91°38'45.1"	23°31'12.9"	
						32	32	4778	Metal Road, 11Kv, LT Line				
114	103	103	DP+4	4	38°48'57"LT					DEB BARI	91°38'44.0"	23°31'13.9"	
						41	41	4819	Metal Road				
115	104	104	DP+0	0	20°20'46"LT					DEB BARI	91°38'43.7"	23°31'14.8"	
						38	38	4857	Metal Road				
116	105	105	DP+2	2	13°16'58"RT					DEB BARI	91°38'42.4"	23°31'15.2"	
						40	40	4897	Metal Road, LT Line				
117	106	106	DP+2	2	18°53'48"RT					DEB BARI	91°38'41.2"	23°31'15.9"	
						45	45	4942	Metal Road				
118	107	107	DP+0	0	41°57'30"LT					DEB BARI	91°38'40.2"	23°31'17"	
						42	42	4984	Metal Road				
119	108	108	DP+2	2	10°22'27"LT					DEB BARI	91°38'38.0"	23°31'17.2"	
						29	29	5013	Metal Road, LT Line				
120	109	109	FP+2	2	120°5'58"RT					DEB BARI	91°38'37.0"	23°31'17.2"	
						45	45	5058	Metal Road, LT Line				
121	110	110	DP+0	0	57°12'11"LT					DEB BARI	91°38'36.5"	23°31'18.5"	
						36	36	5094	Metal Road				
122	111	111	DP+2	2	18°45'22"RT					DEB BARI	91°38'37.9"	23°31'19.5"	
						40	40	5134	LT Line				
123	112	112	SP+4	4	8°10'15"LT					DEB BARI	91°38'37.7"	23°31'20.8"	SP WITH ANGLE
						34	34	5168					
124	113	113	SP+2	2	7°57'5"RT					DEB BARI	91°38'37.2"	23°31'21.8"	SP WITH ANGLE
						43	43	5211	Metal Road, LT Line				
125	114	114	DP+2	2	50°23'25"RT					DEB BARI	91°38'37"	23°31'23.2"	
						41	41	5252	Metal Road, LT Line				
126	115	115	DP+2	2	10°37'5"RT					DEB BARI	91°38'38"	23°31'24.2"	
						39	39	5291	Metal Road, LT Line				
127	116	116	DP+2	2	31°1'38"LT					DEB BARI	91°38'38"	23°31'25"	
						39	39	5324	2Nos Metal Road, 2Nos LT Line				
128	117	117	FP+2	2	65°10'15"LT					DEB BARI	91°38'39.4"	23°31'26"	
						45	45	5369					
129	118	118	FP+0	0	60°28'2"RT					DEB BARI	91°38'38.3"	23°31'27.1"	
						45	45	5414	Metal Road				
130	119	119	D/C DP+0	0	9°10'54"RT					DEB BARI	91°38'38.7"	23°31'28.5"	ONLINE
						45	45	5459	Metal Road				
131	120	120	DP+0	0	28°10'18"RT					DEB BARI	91°38'39.9"	23°31'29.6"	
						45	45	5504	Metal Road				
132	121	121	SP+2	2	6°44'18"LT					DEB BARI	91°38'40.6"	23°31'30.7"	SP WITH ANGLE
						42	42	5546	LT Line				
133	122	122	DP+2	2	21°57'21"RT					DEB BARI	91°38'41.7"	23°31'31.6"	
						42	42	5588	Metal Road, LT Line				
134	123	123	SP+2	2	1°28'22"RT					DEB BARI	91°38'44"	23°31'32.2"	SP WITH ANGLE
						41	41	5629					
135	124	124	DP+2	2	47°11'46"LT					DEB BARI	91°38'44.4"	23°31'32.6"	
						41	41	5670	Metal Road, LT Line				
136	125	125	SP+2	2	0°10'4"RT					DEB BARI	91°38'44.9"	23°31'33.9"	SP WITH ANGLE
						43	43	5711	Metal Road, LT Line				

Hold

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137	126	126	DP+2	2	26°4'11"RT					DEB BARI	91°38'45.5"	23°31'35.2"	
						33	33	5746	Metal Road, LT Line				
138	127	127	DP+2	2	61°41'36"RT					DEB BARI	91°38'46.4"	23°31'35.9"	
						36	36	5782	Metal Road, 2Nos LT Line				
139	128	128	FP+2	2	62°48'58"LT					DEB BARI	91°38'47.3"	23°31'35.9"	
						34	34	5816					
140	129	129	DP+0	0	15°32'24"RT					DEB BARI	91°38'48.2"	23°31'36.8"	
						47	47	5863					
141	130	130	DP+0	0	86°2'44"LT					DEB BARI	91°38'49.3"	23°31'38"	
						42	42	5905					
142	131	131	SP+0	0	0°0'57"RT					DEB BARI	91°38'49.5"	23°31'39.3"	SP WITH ANGLE
						45	45	5950					
143	132	132	DP+0	0	9°24'10"RT					DEB BARI	91°38'49.7"	23°31'40.8"	
						46	46	5996	Metal Road				
144	133	133	FP+0	0	86°1'51"RT					DEB BARI	91°38'50.2"	23°31'42.2"	
						34			Metal Road				
145		133/1	SP+0	0									
						38	68	6060					
146	134	134	FP+0	0	72°19'18"LT					DEB BARI	91°38'52.5"	23°31'41.7"	
						40							
147		134/1	SP+0	0									
						40							
148		134/2	SP+0	0									
						40							
149		134/3	SP+0	0									
						40	160	6225					
150	135	135	DP+4	4	9°6'10"RT					RANGAMATI	91°38'55.3"	23°31'46.2"	USE DP+4M FOR RIVER CROSSING
						86	86	6311	Gomti River, 66kv				
151	136	136	DP+4	4	21°16'1"RT					RANGAMATI	91°38'57.2"	23°31'48.4"	USE +4 M FOR RIVER CROSSING
						40							
152		136/1	SP+0	0									
						43							
153		136/2	SP+0	0									
						40							
154		136/3	SP+0	0									
						40							
155		136/4	SP+4	4									
						40			11kv				
156		136/5	SP+4	4									
						38	215	6541	Metal Road				
157	137	137	DP+0	0	33°22'35"LT					RANGAMATI	91°39'3.9"	23°31'52.9"	
						43							
158		137/1	SP+4	4									
						43			11kv				
159		137/2	SP+4	4									
						45			11kv				
160		137/3	SP+4	4									
						42							
161		137/4	SP+4	4									
						45			11kv				
162		137/5	SP+4	4									
						43	262	6803					
163	138	138	DP+0	0	19°45'57"LT					RANGAMATI	91°39'7.2"	23°32'0.8"	
						38	38	6844	Metal Road				
164	139	139	DP+0	0	16°0'46"RT					RANGAMATI	91°39'7.2"	23°32'2"	
						42	42	6886					
165	140	140	DP+2	2	8°41'32"LT					RANGAMATI	91°39'7.6"	23°32'3.4"	
						42	42	6928	LT Line				
166	141	141	SP+2	2	1°26'50"LT					RANGAMATI	91°39'7.8"	23°32'4.7"	SP WITH ANGLE
						42	42	6970					
167	142	142	DP+0	0	12°49'35"RT					RANGAMATI	91°39'7.9"	23°32'6.1"	
						42	42	7013					
168	143	143	DP+0	0	13°48'18"LT					RANGAMATI	91°39'8.2"	23°32'7.4"	
						42	42	7054	Metal Road, 11kv				
169	144	144	D/C DP+0	0	13°44'29"RT					RANGAMATI	91°39'8.1"	23°32'8.8"	ONLINE
						45	45	7099					
170	145	145	DP+0	0	11°35'44"LT					RANGAMATI	91°39'8.3"	23°32'10.2"	
						41	41	7140					
171	146	146	SP+0	0	5°34'53"LT					RANGAMATI	91°39'8.2"	23°32'11.5"	SP WITH ANGLE
						41	41	7181					
172	147	147	SP+2	2	6°5'30"RT					RANGAMATI	91°39'8"	23°32'12.8"	SP WITH ANGLE
						42	42	7223	2Nos Metal Road, LT Line				
173	148	148	SP+2	2	6°7'21"RT					RANGAMATI	91°39'8"	23°32'14.2"	SP WITH ANGLE
						42	42	7265					
174	149	149	DP+0	0	17°55'26"LT					RANGAMATI	91°39'8.1"	23°32'15.6"	
						42	42	7307					
175	150	150	DP+0	0	11°25'58"LT					RANGAMATI	91°39'7.7"	23°32'16.9"	
						42	42	7349					
176	151	151	DP+0	0	84°37'16"LT					RANGAMATI	91°39'7.1"	23°32'18.1"	
						42	42	7390	Metal Road				
177	152	152	SP+2	2	9°4'88"LT					RANGAMATI	91°39'5.7"	23°32'18.9"	SP WITH ANGLE
						41	41	7433	LT Line				
178	153	153	DP+2	2	39°20'16"RT					RANGAMATI	91°39'4.4"	23°32'19.3"	
						40	43	7473	Metal Road, LT Line				
179	154	154	DP+2	2	10°29'48"LT					RANGAMATI	91°39'3.7"	23°32'20.4"	
						42							
180		154/1	SP+0	0									
						42							
181		154/2	SP+0	0									
						42	126	7599					
182	155	155	DP+2	2	18°35'34"LT					RANGAMATI	91°39'0.8"	23°32'23.5"	

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						42	42	7641	Metal Road, LT Line				
183	156	156	SP+2	2	0°55'7"RT					RANGAMATI	91°38'59.5"	23°32'24.2"	SP WITH ANGLE
						42	42	7683					
184	157	157	D/C DP+4	4	2°14'42"RT					RANGAMATI	91°38'58.3"	23°32'24.9"	ONLINE
						42	42	7725	Metal Road, LT Line				
185	158	158	SP+4	4	5°4'44"LT					RANGAMATI	91°38'57."	23°32'25.7"	SP WITH ANGLE
						42	42	7767					
186	159	159	SP+0	0	1°16'4"LT					RANGAMATI	91°38'55.7"	23°32'26.3"	SP WITH ANGLE
						31	32	7808					
187	160	160	DP+4	4	30°17'52"LT					RANGAMATI	91°38'54.5"	23°32'26.8"	
						40	40	7844	Metal Road, 2Nos LT Line, 11Kv				
188	161	161	DP+4	4	20°19'28"LT					RANGAMATI	91°38'53.1"	23°32'26.8"	
						42							
189		161/1	SP+2	2									
						40	42	7926	LT Line				
190	162	162	DP+4	4	22°38'37"RT					RANGAMATI	91°38'50.3"	23°32'25.7"	
						45	45	7971	11Kv				
191	163	163	SP+4	4	8°25'30"RT					RANGAMATI	91°38'48.9"	23°32'25.6"	SP WITH ANGLE
						42							
192		163/1	SP+0	0									
						42	84	8055					
193	164	164	DP+2	2	10°42'28"LT					RANGAMATI	91°38'46"	23°32'25.8"	
						43	43	8098	Metal Road, LT Line				
194	165	165	DP+2	2	17°31'31"RT					RANGAMATI	91°38'44.5"	23°32'25.6"	
						42	42	8140					
195	166	166	SP+4	4	8°10'35"RT					RANGAMATI	91°38'43"	23°32'25.9"	SP WITH ANGLE
						36	36	8176	11Kv				
196	167	167	DP+2	2	34°16'8"RT					RANGAMATI	91°38'41.8"	23°32'26.8"	
						42	42	8218	Metal Road				
197	168	168	SP+0	0	1°47'16"RT					RANGAMATI	91°38'41"	23°32'27.5"	SP WITH ANGLE
						42	42	8260					
198	169	169	D/C DP+0	0	1°4'41"RT					RANGAMATI	91°38'40.3"	23°32'28.6"	ONLINE
						42			Vill Road				
199		169/1	SP+0	0									
						42			Vill Road				
200		169/2	SP+0	0									
						42							
201		169/3	SP+4	4									
						43	169	8429	LT Line, 11Kv				
202	170	170	DP+2	2	0°37'14"RT					RANGAMATI	91°38'37.5"	23°32'33.5"	USE DP FOR POWER LINE CROSSING
						45	45	8474					
203	171	171	SP+0	0	0°36'4"RT					RANGAMATI	91°38'36.8"	23°32'34.8"	SP WITH ANGLE
						42	42	8516	Vill Road				
204	172	172	SP+0	0	0°4'45"RT					RANGAMATI	91°38'36.5"	23°32'36"	SP WITH ANGLE
						42	42	8558					
205	173	173	DP+2	2	12°18'20"RT					RANGAMATI	91°38'35.5"	23°32'37.8"	
						42	42	8600	Metal Road, LT Line				
206	174	174	DP+2	2	12°22'32"LT					RANGAMATI	91°38'35.3"	23°32'38.6"	
						40	40	8640					
207	175	175	SP+0	0	2°3'31"LT					RANGAMATI	91°38'34.8"	23°32'39.8"	SP WITH ANGLE
						40	40	8680	Metal Road, 66Kv				
208	176	176	SP+0	0	3°3'57"RT					RANGAMATI	91°38'34.3"	23°32'41"	SP WITH ANGLE
						37	37	8717	Nala				
209	177	177	DP+0	0	12°5'25"RT					RANGAMATI	91°38'33.9"	23°32'42.2"	
						45	45	8762	Metal Road				
210	178	178	SP+0	0	0°9'17"LT					RANGAMATI	91°38'33.6"	23°32'43.6"	SP WITH ANGLE
						42	42	8804					
211	179	179	DP+0	0	13°36'37"LT					RANGAMATI	91°38'33.2"	23°32'44.9"	
						41							
212		179/1	SP+0	0									
						42	83	8887					
213	180	180	SP+0	0	4°5'9"LT					RANGAMATI	91°38'31.9"	23°32'47.8"	SP WITH ANGLE
						42	42	8929					
214	181	181	SP+0	0	0°5'0"LT					RANGAMATI	91°38'31.1"	23°32'48.5"	SP WITH ANGLE
						42	42	8971					
215	182	182	SP+0	0	6°26'54"RT					RANGAMATI	91°38'30.1"	23°32'49.5"	SP WITH ANGLE
						42	42	9013					
216	183	183	SP+0	0	3°36'3"RT					RANGAMATI	91°38'29.2"	23°32'50.8"	SP WITH ANGLE
						42	42	9055					
217	184	184	DP+0	0	0°6'37"LT					BAMPUR	91°38'28.5"	23°32'51.8"	USE DP FOR POWER LINE CROSSING
						42	42	9097					
218	185	185	SP+0	0	5°30'18"LT					BAMPUR	91°38'27.5"	23°32'52.8"	SP WITH ANGLE
						44							
219		185/1	SP+0	0									
						42	88	9183					
220	186	186	SP+2	2	7°42'49"RT					BAMPUR	91°38'25.3"	23°32'54.8"	SP WITH ANGLE
						42	42	9225	LT Line				
221	187	187	SP+2	2	0°33'43"RT					BAMPUR	91°38'24.4"	23°32'55.8"	SP WITH ANGLE
						39	39	9264					
222	188	188	SP+0	0	6°40'4"RT					BAMPUR	91°38'23.7"	23°32'56.7"	SP WITH ANGLE
						34	34	9298					
223	189	189	DP+0	0	4°39'21"RT					BAMPUR	91°38'23.1"	23°32'57.6"	USE DP FOR POWER LINE CROSSING
						45	45	9337					
224	190	190	SP+2	2	1°36'47"RT					BAMPUR	91°38'22.4"	23°32'58.9"	SP WITH ANGLE
						41	41	9378	Vill Road, LT Line				
225	191	191	SP+2	2	7°32'23"RT					BAMPUR	91°38'21.8"	23°33'0.2"	SP WITH ANGLE
						43	43	9419					
226	192	192	SP+0	0	3°35'49"RT					BAMPUR	91°38'21.4"	23°33'1.4"	SP WITH ANGLE
						44	44	9463					

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DETAIL POLE SCHEDULE OF "132/33 KV PROPOSED AMARPUR S/S TO PROPOSED CHECHUA S/S"

227	193	193	SP+0	0	2°23'28"LT						BAMPUR	91°38'21"	23°33'2.8"	SP WITH ANGLE
						40	40	9509						
228	194	194	DP+0	0	8°13'49"LT						BAMPUR	91°38'20.6"	23°33'4.1"	USE DP FOR POWER LINE CROSSING
						42	42	9548	Metal Road					
229	195	195	SP+0	0	0°22'38"RT						BAMPUR	91°38'20"	23°33'5.3"	SP WITH ANGLE
						45	45	9590						
230	196	196	DP+0	0	11°17'58"LT						BAMPUR	91°38'19.4"	23°33'6.7"	
						41	41	9631	Metal Road					
231	197	197	DP+2	2	18°17'39"LT						BAMPUR	91°38'18.6"	23°33'7.8"	
						45	45	9676	LT Line					
232	198	198	SP+2	2	4°6'0"LT						BAMPUR	91°38'17.3"	23°33'8.6"	SP WITH ANGLE
						45	45	9721						
233	199	199	SP+2	2	5°46'42"RT						BAMPUR	91°38'15.9"	23°33'9.4"	SP WITH ANGLE
						42	42	9763	LT Line					
234	200	200	SP+2	2	4°19'28"RT						BAMPUR	91°38'14.8"	23°33'10.3"	SP WITH ANGLE
						45	45	9808						
235	201	201	SP+0	0	3°31'41"RT						BAMPUR	91°38'13.6"	23°33'11.3"	SP WITH ANGLE
						45	45	9853						
236	202	202	SP+0	0	3°31'40"LT						BAMPUR	91°38'12.5"	23°33'12.3"	SP WITH ANGLE
						45	45	9898						
237	203	203	DP+0	0	4°7'58"LT						BAMPUR	91°38'11.4"	23°33'13.3"	USE DP FOR POWER LINE CROSSING
						42	42	9940						
238	204	204	SP+4	4	5°35'51"RT						BAMPUR	91°38'10.2"	23°33'14.1"	SP WITH ANGLE
						45	45	9985	Metal Road, LT Line, LT Line+11Kv, 11Kv					
239	205	205	DP+4	4	85°17'21"RT						BAMPUR	91°38'9"	23°33'15.1"	
						42	42	10027	LT Line					
240	206	206	DP+2	2	28°10'16"RT						BAMPUR	91°38'8.7"	23°33'16.1"	
						40	42	10067	Metal Road					
241	207	207	DP+0	0	12°28'42"LT						BAMPUR	91°38'6.1"	23°33'17.7"	
						45	45	10113						
242	208	208	SP+0	0	5°17'24"RT						BAMPUR	91°38'5.2"	23°33'18.2"	SP WITH ANGLE
						45								
243		208/1	SP+0	0										
						44								
244		208/2	SP+0	0										
						42	131	10243						
245	209	209	SP+0	0	2°25'13"LT						BAMPUR	91°38'10"	23°33'23.4"	SP WITH ANGLE
						45	45	10288						
246	210	210	DP+0	0	7°39'38"LT						BAMPUR	91°38'10.2"	23°33'24.8"	USE DP FOR POWER LINE CROSSING
						44	44	10333						
247	211	211	SP+0	0	1°46'43"LT						BAMPUR	91°38'10.2"	23°33'26.2"	SP WITH ANGLE
						41	41	10373						
248	212	212	DP+4	4	18°54'42"LT						BAMPUR	91°38'10.2"	23°33'27.6"	
						42	42	10415	Metal Road, LT Line+11Kv, Tele					
249	213	213	DP+4	4	5°42'23"LT						BAMPUR	91°38'9.8"	23°33'28.9"	USE DP FOR POWER LINE CROSSING
						42	42	10457						
250	214	214	DP+0	0	11°51'38"RT						BAMPUR	91°38'9.1"	23°33'30.1"	
						42	42	10499	Metal Road					
251	215	215	DP+4	4	7°46'21"RT						BAMPUR	91°38'8.8"	23°33'31.5"	USE DP FOR POWER LINE CROSSING
						45	45	10544	11Kv					
252	216	216	DP+4	4	4°42'38"RT						BAMPUR	91°38'8.4"	23°33'32.9"	USE DP FOR POWER LINE CROSSING
						42	42	10586	LT Line					
253	217	217	SP+2	2	4°9'12"LT						BAMPUR	91°38'8.6"	23°33'34.3"	SP WITH ANGLE
						43	43	10629						
254	218	218	DP+4	4	17°56'8"LT						BAMPUR	91°38'8.8"	23°33'35.7"	
						45	45	10674	LT Line, 11kv, Metal Road					
255	219	219	DP+4	4	17°12'52"RT						BAMPUR	91°38'8.8"	23°33'37.1"	
						34	34	10708						
256	220	220	DP+0	0	23°32'14"LT						BAMPUR	91°38'9.2"	23°33'38.2"	
						50	50	10758						
257	221	221	DP+4	4	5°17'48"RT						BAMPUR	91°38'7.7"	23°33'39"	USE DP FOR POWER LINE CROSSING
						42	42	10780	Metal Road, 11Kv					
258	222	222	DP+4	4	9°36'39"RT						BAMPUR	91°38'7.2"	23°33'40.3"	USE DP FOR POWER LINE CROSSING
						42	42	10822	Metal Road, 11Kv					
259	223	223	DP+4	4	13°35'9"RT						BAMPUR	91°38'6.7"	23°33'41.6"	
						42	42	10864	Metal Road, LT Line+11kv					
260	224	224	DP+4	4	27°41'36"LT						BAMPUR	91°38'5.6"	23°33'43"	
						42	42	10906	LT Line					
261	225	225	DP+4	4	15°38'8"LT						BAMPUR	91°38'5.9"	23°33'44.2"	
						45	45	10951	Metal Road, 11Kv					
262	226	226	DP+4	4	33°11'38"RT						BAMPUR	91°38'4.7"	23°33'45.2"	
						45	45	10996	2Nos 11kv, Metal Road					
263	227	227	SP+4	4	5°36'49"RT						BAMPUR	91°38'4.4"	23°33'46.6"	SP WITH ANGLE
						42	42	11038						
264	228	228	SP+4	4	3°54'45"RT						BAMPUR	91°38'4.2"	23°33'48"	SP WITH ANGLE
						45	45	11083	11Kv					
265	229	229	DP+4	4	21°0'55"LT						BAMPUR	91°38'4.1"	23°33'49.4"	
						42	42	11125	Metal Road					
266	230	230	D/C DP+0	0	33°37'50"RT						BAMPUR	91°38'3.5"	23°33'50.7"	ONLINE
						42	42	11167	Metal Road, 11Kv					
267	231	231	DP+0	0	13°16'22"LT						BAMPUR	91°38'3.8"	23°33'52"	
						42	42	11209	Vil Road					
268	232	232	DP+4	4	15°16'22"LT						BAMPUR	91°38'3.7"	23°33'53.4"	

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DETAIL POLE SCHEDULE OF "132/33 KV PROPOSED AMARPUR S/S TO PROPOSED CHECHUA S/S"

						45	45	11254	2Nos 11Kv, Metal Road				- Hold
269	233	233	DP+4	4	18°20'35"RT					BAMPUR	91°38'3.1"	23°33'54.8"	
						45	45	11299					
270	234	234	DP+0	0	30°8'52"RT					BAMPUR	91°38'3.1"	23°33'56.2"	
						45	45	11344					
271	235	235	DP+0	0	12°43'57"LT					BAMPUR	91°38'3.9"	23°33'57.5"	
						45	45	11389					
272	236	236	SP+0	0	8°21'48"RT					BAMPUR	91°38'4.4"	23°33'58.9"	SP WITH ANGLE
						42	42	11431	11Kv				- Hold
273	237	237	DP+0	0	13°27'6"LT					BAMPUR	91°38'5"	23°34'0.1"	
						40	40	11476					
274	238	238	DP+0	0	12°28'7"LT					BAMPUR	91°38'5.9"	23°34'1.6"	
						42	42	11518					
275	239	239	DP+0	0	13°34'50"LT					BAMPUR	91°38'5.9"	23°34'2.9"	
						45	45	11563					
276	240	240	SP+0	0	0°19'55"LT					BAMPUR	91°38'4.9"	23°34'4.3"	SP WITH ANGLE
						45	45	11608					
277	241	241	DP+0	0	10°14'11"RT					BAMPUR	91°38'4.5"	23°34'5.8"	
						45	45	11653	Metal Road				
278	242	242	SP+0	0	1°31'8"LT					BAMPUR	91°38'4.4"	23°34'7.2"	SP WITH ANGLE
						42	42	11695					
279	243	243	DP+4	4	8°55'56"LT					BAMPUR	91°38'4.3"	23°34'8.6"	
						40	40	11735	Metal Road, 11Kv				
280	244	244	DP+4	4	7°43'4"RT					BAMPUR	91°38'3.8"	23°34'9.8"	USE DP FOR POWER LINE CROSSING - Hold
						45	45	11780					
281	245	245	DP+4	4	33°38'9"RT					BAMPUR	91°38'3.7"	23°34'11.3"	
						42	42	11822	Metal Road, 11Kv				
282	246	246	SP+4	4	7°32'2"RT					BAMPUR	91°38'4.3"	23°34'12.5"	SP WITH ANGLE
						41			11kv				
283		246/1	SP+4	4									
						36	79	11901	Vill Road				
284	247	247	DP+0	0	10°0'35"LT					BAMPUR	91°38'5.8"	23°34'14.6"	
						42	42	11943					
285	248	248	DP+4	4	13°27'36"LT					BAMPUR	91°38'6.7"	23°34'16"	
						42	42	11985	Metal Road, 11Kv				- Hold
286	249	249	DP+4	4	19°12'55"RT					BAMPUR	91°38'6.7"	23°34'17.8"	
						45	45	12030					
287	250	250	SP+0	0	4°57'48"RT					BAMPUR	91°38'6.6"	23°34'18.7"	SP WITH ANGLE
						45	45	12075					
288	251	251	DP+4	4	12°9'48"RT					BAMPUR	91°38'7.1"	23°34'20.1"	
						45	45	12120	Metal Road, 11Kv				
289	252	252	DP+4	4	10°32'59"LT					BAMPUR	91°38'8"	23°34'21.4"	
						50	50	12170	Metal Road				Hold
290	253	253	SP+4	4	8°22'38"LT					BAMPUR	91°38'8"	23°34'23"	SP WITH ANGLE
						67	67	12237	Nala, 11Kv				
291	254	254	DP+4	4	22°39'8"RT					BAMPUR	91°38'7.6"	23°34'25.2"	
						42	42	12279	Metal Road				
292	255	255	SP+0	0	4°42'16"LT					BAMPUR	91°38'8"	23°34'26.5"	SP WITH ANGLE
						45	45	12324					
293	256	256	DP+4	4	15°42'35"LT					BAMPUR	91°38'8.5"	23°34'27.9"	
						42	42	12364	Metal Road, 11Kv				- Hold
294	257	257	SP+4	4	5°38'28"LT					BAMPUR	91°38'7.5"	23°34'28.9"	SP WITH ANGLE
						40	40	12400					
295	258	258	DP+2	0	24°17'32"RT					BAMPUR	91°38'6.1"	23°34'29.7"	
						44	44	12450					
296	259	259	DP+2	0	28°33'50"RT					BAMPUR	91°38'5.5"	23°34'31"	
						45	45	12495	2Nos Vill Road				- Hold
297	260	260	DP+2	0	37°9'45"RT					BAMPUR	91°38'5.8"	23°34'32.5"	
						45							
298		260/1	SP+0	0									
						45	90	12585					
299	261	261	DP+2	0	40°33'0"LT					BAMPUR	91°38'6.3"	23°34'34.3"	
						42	42	12627					
300	262	262	DP+4	4	26°28'50"RT					TIN GHORIYA	91°38'6.5"	23°34'35.7"	
						42	42	12669	Metal Road, 11Kv				- Hold
301	263	263	DP+4	4	18°37'28"LT					TIN GHORIYA	91°38'6.4"	23°34'36.8"	
						43							
302		263/1	SP+0	0									
						42	85	12754					
303	264	264	SP+0	0	2°53'17"LT					TIN GHORIYA	91°38'10.9"	23°34'38.4"	SP WITH ANGLE
						42	42	12796					
304	265	265	SP+0	0	1°53'47"LT					TIN GHORIYA	91°38'10.7"	23°34'40.7"	SP WITH ANGLE
						43	43	12839					
305	266	266	DP+0	0	9°55'36"RT					TIN GHORIYA	91°38'11"	23°34'42.1"	
						42	42	12881	Metal Road				- Hold
306	267	267	SP+0	0	8°50'42"RT					TIN GHORIYA	91°38'11.6"	23°34'43.5"	SP WITH ANGLE
						45	45	12926					
307	268	268	SP+0	0	1°16'37"RT					TIN GHORIYA	91°38'12.3"	23°34'44.7"	SP WITH ANGLE
						45	45	12971					
308	269	269	SP+0	0	2°3'58"LT					TIN GHORIYA	91°38'13.1"	23°34'45.9"	SP WITH ANGLE
						40	40	13011					
309	270	270	DP+0	0	13°12'49"RT					TIN GHORIYA	91°38'13.7"	23°34'47.1"	
						35	35	13046	Metal Road, 66Kv				- Hold
310	271	271	SP+0	0	4°1'44"LT					TIN GHORIYA	91°38'14.4"	23°34'48"	SP WITH ANGLE
						45	45	13091					
311	272	272	DP+0	0	20°49'41"LT					TIN GHORIYA	91°38'15.4"	23°34'48.2"	
						45	45	13136					
312	273	273	DP+0	0	19°23'46"LT					TIN GHORIYA	91°38'15.7"	23°34'50.6"	
						45	45	13181	Vill Road				- Hold
313	274	274	SP+0	0	7°50'48"LT					TIN GHORIYA	91°38'15.6"	23°34'52.1"	SP WITH ANGLE
						45	45	13226					
314	275	275	SP+0	0	3°21'5"LT					TIN GHORIYA	91°38'15.2"	23°34'53.5"	SP WITH ANGLE

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DETAIL POLE SCHEDULE OF "132/33 KV PROPOSED AMARPUR S/S TO PROPOSED CHECHUA S/S"

						45	45	13271					
315	276	276	DP+0	0	17°14'32"LT					TIN GHORIYA	91°38'14.7"	23°34'54.9"	
						45	45	13316					
316	277	277	DP+0	0	11°4'57"LT					TIN GHORIYA	91°38'13.8"	23°34'56.1"	
						45	45	13361					
317	278	278	DP+0	0	17°41'54"LT					TIN GHORIYA	91°38'12.7"	23°34'57.1"	
						45	45	13406	Vill Road				
318	279	279	DP+0	0	27°14'28"LT					TIN GHORIYA	91°38'11.2"	23°34'57.7"	
						40	40	13446	Metal Road, 666v				
319	280	280	DP+0	0	13°42'1"RT					TIN GHORIYA	91°38'9.8"	23°34'57.7"	
						40	40	13486					
320	281	281	SP+2	2	0°6'38"LT					TIN GHORIYA	91°38'8.4"	23°34'57.9"	SP WITH ANGLE
						43	43	13519	Metal Road, LT Line				
321	282	282	DP+2	2	14°57'43"RT					TIN GHORIYA	91°38'6.9"	23°34'58.2"	
						40	40	13569					
322	283	283	DP+4	4	9°52'23"RT					TIN GHORIYA	91°38'5.7"	23°34'58.8"	
						35	35	13604	Metal Road, 11Kv				
323	284	284	DP+4	4	49°56'54"RT					TIN GHORIYA	91°38'4.7"	23°34'59.5"	
						44	44	13648	Metal Road, 11Kv				
324	285	285	DP+4	4	8°40'33"RT					TIN GHORIYA	91°38'4.6"	23°35'0.9"	USE DP FOR POWER LINE CROSSING
						45	45	13693	Metal Road				
325	286	286	SP+0	0	9°13'13"LT					TIN GHORIYA	91°38'4.8"	23°35'2.4"	SP WITH ANGLE
						45	45	13738					
326	287	287	SP+0	0	8°23'14"LT					TIN GHORIYA	91°38'4.6"	23°35'3.8"	SP WITH ANGLE
						42	42	13780					
327	288	288	DP+2	2	36°12'43"LT					TIN GHORIYA	91°38'4.3"	23°35'5.2"	
						42	42	13822	LT Line				
328	289	289	SP+2	2	6°26'19"LT					TIN GHORIYA	91°38'3.2"	23°35'6.1"	SP WITH ANGLE
						42	42	13864	11Kv				
329	290	290	SP+0	0	3°0'53"RT					TIN GHORIYA	91°38'2"	23°35'6.8"	SP WITH ANGLE
						45	45	13909	Vill Road				
330	291	291	DP+0	0	12°15'16"RT					TIN GHORIYA	91°38'0.7"	23°35'7.7"	
						45	45	13954					
331	292	292	SP+0	0	3°56'56"RT					TIN GHORIYA	91°37'59.7"	23°35'8.9"	SP WITH ANGLE
						45							
332		292/1	SP+0	0									
						45	90	14044	Nala				
333	293	293	SP+0	0	6°15'47"RT					TIN GHORIYA	91°37'58"	23°35'11.3"	SP WITH ANGLE
						44	44	14088	Vill Road				
334	294	294	FP+4	4	73°3'58"RT					TIN GHORIYA	91°37'57.2"	23°35'12.6"	
						31	31	14119	Metal Road, LT Line				
335	295	295	DP+4	4	10°39'38"RT					TIN GHORIYA	91°37'58"	23°35'13.3"	
						40	40	14159					
336	296	296	DP+2	2	22°45'56"LT					TIN GHORIYA	91°37'59.1"	23°35'14.1"	
						45	45	14204	Metal Road, Vill Road, LT Line				
337	297	297	DP+2	2	9°43'55"RT					TIN GHORIYA	91°37'59.9"	23°35'15.3"	
						45	45	14249	2Nos 11Kv, Metal Road				
338	298	298	DP+0	0	16°42'59"RT					TIN GHORIYA	91°38'1.9"	23°35'16.5"	
						36	36	14285					
339	299	299	DP+0	0	13°40'26"RT					TIN GHORIYA	91°38'3"	23°35'17.1"	
						41	41	14326	11Kv, 666v				
340	300	300	DP+4	4	30°40'9"LT					TIN GHORIYA	91°38'3.4"	23°35'17.5"	
						45	45	14371	2Nos 11Kv				
341	301	301	DP+4	4	61°5'57"LT					TIN GHORIYA	91°38'3.6"	23°35'18.7"	
						42	42	14413	Vill Road, LT Line, 11Kv				
342	302	302	DP+4	4	43°45'5"RT					TIN GHORIYA	91°38'4.6"	23°35'20"	
						45	45	14458					
343	303	303	DP+2	2	46°17'11"LT					TIN GHORIYA	91°38'5.9"	23°35'20.8"	
						45	45	14503	LT Line				
344	304	304	DP+2	2	16°47'39"RT					TIN GHORIYA	91°38'6.9"	23°35'22.3"	
						45	45	14548	Vill Road				
345	305	305	SP+0	0	4°4'7"LT					TIN GHORIYA	91°38'7"	23°35'23.5"	SP WITH ANGLE
						44	44	14592					
346	306	306	SP+0	0	2°0'30"RT					TIN GHORIYA	91°38'7.6"	23°35'24.8"	SP WITH ANGLE
						45	45	14637	Vill Road				
347	307	307	DP+0	0	27°6'48"LT					TIN GHORIYA	91°38'8.3"	23°35'26.2"	
						45	45	14682	Metal Road				
348	308	308	FP+0	0	82°11'42"RT					TIN GHORIYA	91°38'8.2"	23°35'27.6"	
						40	40	14722	Metal Road				
349	309	309	DP+2	2	52°36'10"LT					TIN GHORIYA	91°38'9.6"	23°35'27.8"	
						45	45	14767	Metal Road, LT Line, 11Kv				
350	310	310	DP+2	2	45°47'2"LT					TIN GHORIYA	91°38'10.0"	23°35'28.8"	
						45	45	14812	LT Line				
351	311	311	DP+2	2	10°22'21"RT					TIN GHORIYA	91°38'10.9"	23°35'30.5"	
						45	45	14857					
352	312	312	SP+0	0	1°35'28"RT					TIN GHORIYA	91°38'11.2"	23°35'31.7"	SP WITH ANGLE
						41	41	14898					
353	313	313	FP+0	0	65°20'2"RT					TIN GHORIYA	91°38'11.5"	23°35'33"	
						45	45	14943	Metal Road				
354	314	314	DP+0	0	10°49'8"LT					TIN GHORIYA	91°38'13.1"	23°35'33.3"	
						45	45	14988					
355	315	315	SP+0	0	5°49'2"LT					TIN GHORIYA	91°38'14.6"	23°35'33.8"	SP WITH ANGLE
						45	45	15033	Metal Road				
356	316	316	DP+0	0	23°35'49"LT					TIN GHORIYA	91°38'16"	23°35'34.5"	
						43	43	15076					
357	317	317	DP+0	0	21°18'30"LT					TIN GHORIYA	91°38'16.9"	23°35'35.6"	
						42	42	15118	Metal Road				
358	318	318	SP+0	0	4°31'12"LT					TIN GHORIYA	91°38'17.4"	23°35'36.9"	SP WITH ANGLE
						42	42	15160					
359	319	319	DP+4	4	13°15'9"RT					TIN GHORIYA	91°38'17.7"	23°35'38.2"	
						42	42	15202	2Nos 11Kv				

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360	320	320	DP+4	4	9°3'26"RT						TIN GHORIYA	91°38'16.8"	23°35'39.5"	USE DP FOR POWER LINE CROSSING
						45	45	15247		Metal Road				
361	321	321	DP+0	0	13°57'10"RT						TIN GHORIYA	91°38'20.2"	23°35'40.7"	
						45	45	15292						
362	322	322	D/C DP+0	0	0°00'44"RT						TIN GHORIYA	91°38'20.3"	23°35'41.7"	ONLINE
						45	45	15337						
363	323	323	SP+0	0	0°26'8"LT						TIN GHORIYA	91°38'21.3"	23°35'42.6"	SP WITH ANGLE
						45	45	15382						
364	324	324	DP+0	0	10°51'4"LT						TIN GHORIYA	91°38'22.7"	23°35'43.6"	
						45	45	15427						
365	325	325	DP+0	0	34°44'9"LT						TIN GHORIYA	91°38'23.7"	23°35'44.8"	
						42	42	15469		Vil Road, LT Line				
366	326	326	SP+2	2	3°25'48"LT						TIN GHORIYA	91°38'24"	23°35'46.1"	SP WITH ANGLE
						45	45	15514						
367	327	327	DP+0	0	83°32'12"RT						TIN GHORIYA	91°38'24.2"	23°35'47.6"	
						45	45	15559						
368	328	328	DP+0	0	10°40'18"LT						TIN GHORIYA	91°38'25.3"	23°35'48.6"	
						42	42	15601						
369	329	329	SP+0	0	8°54'18"RT						TIN GHORIYA	91°38'26.1"	23°35'49.8"	SP WITH ANGLE
						42	42	15643						
370	330	330	DP+0	0	22°44'9"LT						TIN GHORIYA	91°38'27"	23°35'50.8"	
						45	45	15688						
371	331	331	DP+4	4	17°57'46"RT						TIN GHORIYA	91°38'27.5"	23°35'52.2"	
						45	45	15733		11Kv				
372	332	332	DP+4	4	14°12'8"RT						TIN GHORIYA	91°38'28.5"	23°35'53.4"	
						45	45	15778						
373	333	333	SP+0	0	1°25'42"RT						TIN GHORIYA	91°38'29.7"	23°35'54.8"	SP WITH ANGLE
						45	45	15823		Metal Road				
374	334	334	DP+0	0	10°44'59"LT						TIN GHORIYA	91°38'30.9"	23°35'55.2"	
						45	45	15868		Vil Road				
375	335	335	DP+0	0	36°7'37"LT						TIN GHORIYA	91°38'32"	23°35'56.4"	
						45	45	15913						
376	336	336	DP+0	0	50°0'26"LT						TIN GHORIYA	91°38'32.1"	23°35'57.8"	
						45	45	15958		Metal Road				
377	337	337	FP+0	0	82°38'3"RT						TIN GHORIYA	91°38'31"	23°35'58.8"	
						45	45	16003		Metal Road				
378	338	338	FP+0	0	74°44'26"LT						TIN GHORIYA	91°38'31.9"	23°36'0"	
						45	45	16048						
379	339	339	SP+0	0	2°11'14"LT						SARBANG	91°38'31"	23°36'1.2"	SP WITH ANGLE
						42	42	16090						
380	340	340	DP+0	0	46°0'3"LT						SARBANG	91°38'30"	23°36'2.2"	
						45	45	16135		Metal Road				
381	341	341	DP+0	0	28°18'7"RT						SARBANG	91°38'28.4"	23°36'3.3"	
						45	45	16180						
382	342	342	DP+0	0	24°54'41"RT						SARBANG	91°38'27.1"	23°36'5.1"	
						45	45	16225						
383	343	343	DP+0	0	25°23'34"RT						SARBANG	91°38'26.2"	23°36'6.4"	
						45	45	16270						
384	344	344	DP+0	0	32°39'11"RT						SARBANG	91°38'26"	23°36'8.8"	
						45	45	16315		Metal Road				
385	345	345	SP+0	0	0°17'30"LT						SARBANG	91°38'26.7"	23°36'7.1"	SP WITH ANGLE
						33	33	16354						
386	346	346	FP+0	0	100°43'51"LT						SARBANG	91°38'27.8"	23°36'8.8"	
						33	33	16393		Metal Road, 66Kv				
387	347	347	DP+4	4	26°59'42"LT						SARBANG	91°38'26.1"	23°36'8.6"	
						45	45	16438		11 Kv				
388	348	348	SP+4	4	2°33'17"RT						SARBANG	91°38'24.6"	23°36'8.2"	SP WITH ANGLE
						42	42	16476						
389	349	349	DP+0	0	52°53'42"RT						SARBANG	91°38'23.1"	23°36'8"	
						37	37	16513						
390	350	350	DP+0	0	49°22'39"RT						SARBANG	91°38'22.2"	23°36'8.8"	
						36	36	16549		11Kv, Metal Road				
391	351	351	DP+4	4	19°19'41"RT						SARBANG	91°38'22.2"	23°36'10"	
						45	45	16594		11Kv				
392	352	352	DP+4	4	22°35'23"RT						SARBANG	91°38'22.8"	23°36'11.4"	
						42	42	16636						
393	353	353	D/C DP+0	0	8°37'32"LT						SARBANG	91°38'23.8"	23°36'12.3"	ONLINE
						45	45	16681						
394	354	354	D/C DP+4	4	1°33'37"RT						SARBANG	91°38'24.8"	23°36'13.5"	ONLINE
						41	41	16722		Metal Road, 11Kv				
395	355	355	FP+4	4	79°50'3"RT						SARBANG	91°38'25.6"	23°36'14.6"	
						45	45	16767		2Nos 11Kv				
396	356	356	DP+4	4	42°2'18"LT						SARBANG	91°38'27"	23°36'13.9"	
						34	34	16801						
397	357	357	DP+4	4	20°14'50"LT						SARBANG	91°38'28.2"	23°36'14.2"	
						45	45	16846		Metal Road, 11Kv				
398	358	358	D/C DP+4	4	18°23'48"RT						SARBANG	91°38'29.5"	23°36'15.1"	ONLINE
						45	45	16891		Metal Road, 66Kv				
399	359	359	DP+4	4	17°23'28"RT						SARBANG	91°38'31"	23°36'15.5"	
						43	43	16934		11Kv				
400	360	360	DP+4	4	51°8'29"LT						SARBANG	91°38'32.5"	23°36'15.5"	
						45	45	16979						
401	361	361	DP+0	0	11°41'28"RT						SARBANG	91°38'33.8"	23°36'16.7"	
						45	45	17024						
402	362	362	DP+0	0	31°12'18"LT						SARBANG	91°38'34.6"	23°36'17.7"	
						45	45	17069						
403	363	363	SP+0	0	5°1'50"RT						SARBANG	91°38'35"	23°36'19.2"	SP WITH ANGLE
						45	45	17114						
404	364	364	DP+4	4	37°3'6"LT						SARBANG	91°38'35.4"	23°36'20.5"	
						40	40	17154		11Kv				
405	365	365	SP+4	4	1°42'7"LT						SARBANG	91°38'33"	23°36'21.8"	SP WITH ANGLE
						33	33	17187						

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406	366	366	SP+0	0	6°46'3.7"RT					SARBANG	91°38'34.5"	23°36'22.8"	SP WITH ANGLE
						43	43	17229					
407	367	367	DP+4	4	47°49'1"LT					SARBANG	91°38'34.2"	23°36'24.1"	
						37	37	17266	2Nos 11Kv				
408	368	368	FP+4	4	82°41'2"RT					SARBANG	91°38'33"	23°36'24.7"	
						37	37	17303	3 Nos 11 KV				
409	369	369	DP+4	4	32°50'52"RT					SARBANG	91°38'33.5"	23°36'25.8"	
						45	45	17348	Metal Road				
410	370	370	FP+0	0	81°7'49"LT					SARBANG	91°38'34.9"	23°36'26.7"	
						40	40	17388	Metal Road				
411	371	371	FP+0	0	81°10'57"LT					SARBANG	91°38'34.1"	23°36'27.8"	
						39	39	17427					
412	372	372	FP+0	0	110°42'28"RT					SARBANG	91°38'32.8"	23°36'27.4"	
						40	40	17467	Metal Road				
413	373	373	SP+4	4	4°2'48"LT					SARBANG	91°38'32.0"	23°36'28.7"	SP WITH ANGLE
						40	40	17507	Metal Road, 11Kv				
414	374	374	DP+4	4	36°3'42"RT					SARBANG	91°38'32.8"	23°36'30"	
						45	45	17552					
415	375	375	DP+0	0	19°51'41"LT					SARBANG	91°38'33.7"	23°36'31.2"	
						45	45	17597					
416	376	376	DP+0	0	14°46'5"LT					SARBANG	91°38'34.1"	23°36'32.6"	
						45	45	17642					
417	377	377	DP+0	0	13°14'7"RT					SARBANG	91°38'34.1"	23°36'34.1"	
						45							
418		377/1	SP+0	0									
						40	85	17727					
419	378	378	DP+0	0	39°19'18"LT					SONA CHHARA	91°38'35.1"	23°36'36.7"	
						45	45	17772	Metal Road				
420	379	379	DP+4	4	20°49'20"LT					SONA CHHARA	91°38'34.7"	23°36'38.1"	
						45	45	17817	11Kv				
421	380	380	SP+4	4	4°16'29"RT					SONA CHHARA	91°38'33.6"	23°36'39.3"	SP WITH ANGLE
						45	45	17862					
422	381	381	DP+0	0	19°13'9"RT					SONA CHHARA	91°38'33"	23°36'40.6"	SP WITH ANGLE
						45	45	17907					
423	382	382	DP+0	0	16°1'39"LT					SONA CHHARA	91°38'32.7"	23°36'42"	
						37	37	17944	Metal Road				
424	383	383	FP+2	2	73°31'29"RT					SONA CHHARA	91°38'32.1"	23°36'43.1"	
						45	45	17989	11Kv				
425	384	384	DP+2	2	20°35'22"RT					SONA CHHARA	91°38'33.2"	23°36'44.1"	
						45	45	18034					
426	385	385	SP+0	0	2°11'44"RT					SONA CHHARA	91°38'34.7"	23°36'44.7"	SP WITH ANGLE
						45	45	18079					
427	386	386	SP+0	0	4°45'37"LT					SONA CHHARA	91°38'36.1"	23°36'45.2"	SP WITH ANGLE
						40	40	18119					
428	387	387	DP+0	0	29°34'18"LT					SONA CHHARA	91°38'37.4"	23°36'45.8"	
						28	28	18147					
429	388	388	DP+0	0	16°40'48"LT					SONA CHHARA	91°38'38"	23°36'46.5"	
						45	45	18192					
430	389	389	SP+0	0	5°56'25"RT					SONA CHHARA	91°38'38.5"	23°36'47.9"	SP WITH ANGLE
						45	45	18237					
431	390	390	DP+0	0	16°16'33"LT					SONA CHHARA	91°38'39.1"	23°36'49.3"	
						43	43	18283	Metal Road				
432	391	391	DP+0	0	12°35'0"LT					SONA CHHARA	91°38'39.3"	23°36'50.7"	
						43	43	18323	Metal Road				
433	392	392	DP+0	0	28°47'11"LT					SONA CHHARA	91°38'39.2"	23°36'52"	
						45	45	18368					
434	393	393	DP+4	4	13°31'46"RT					SONA CHHARA	91°38'38.3"	23°36'53.3"	
						45	45	18413	11Kv				
435	394	394	DP+4	4	18°22'23"LT					SONA CHHARA	91°38'37.8"	23°36'54.7"	
						42	42	18455	Metal Road				
436	395	395	DP+0	0	30°59'37"LT					SONA CHHARA	91°38'37"	23°36'55.8"	
						45	45	18500					
437	396	396	DP+0	0	29°17'39"RT					SONA CHHARA	91°38'35.5"	23°36'56.3"	
						45	45	18545	Metal Road				
438	397	397	SP+0	0	3°13'22"LT					SONA CHHARA	91°38'34.5"	23°36'57.5"	SP WITH ANGLE
						45	45	18590					
439	398	398	SP+0	0	7°30'46"RT					SONA CHHARA	91°38'33.5"	23°36'58.6"	SP WITH ANGLE
						45	45	18635	Metal Road				
440	399	399	SP+0	0	7°43'13"LT					SONA CHHARA	91°38'32.6"	23°36'59.8"	SP WITH ANGLE
						35	35	18670					
441	400	400	DP+4	4	14°25'25"LT					SONA CHHARA	91°38'31.9"	23°37'1.6"	
						45	45	18715	11Kv				
442	401	401	FP+4	4	65°54'5"RT					SONA CHHARA	91°38'30.4"	23°37'1.5"	
						45	45	18760					
443	402	402	DP+0	0	43°35'15"LT					SONA CHHARA	91°38'30.7"	23°37'2.9"	
						45	45	18805					
444	403	403	DP+0	0	16°5'18"LT					SONA CHHARA	91°38'29.8"	23°37'4.1"	
						45	45	18850	Metal Road				
445	404	404	SP+4	4	2°5'54"LT					SONA CHHARA	91°38'28.6"	23°37'5.1"	SP WITH ANGLE
						44	44	18894	Metal Road, 11Kv				
446	405	405	DP+4	4	35°47'38"LT					SONA CHHARA	91°38'27.4"	23°37'5.9"	
						39	39	18933	Metal Road				
447	406	406	DP+0	0	45°5'49"RT					SONA CHHARA	91°38'26"	23°37'6"	
						35	35	18968	Metal Road				
448	407	407	DP+0	0	20°10'26"RT					SONA CHHARA	91°38'25.2"	23°37'6.8"	
						45	45	19013	66Kv				
449	408	408	DP+0	0	14°43'7"LT					SONA CHHARA	91°38'24.9"	23°37'8.3"	
						43	43	19056	Vill Road				
450	409	409	DP+0	0	25°23'23"LT					SONA CHHARA	91°38'23.9"	23°37'9.5"	
						38	38	19092					
451	410	410	DP+0	0	39°15'38"RT					SONA CHHARA	91°38'22.9"	23°37'10.1"	
						45	45	19137	Metal Road, Nala, 66Kv				

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APPROVED BY:

DETAIL POLE SCHEDULE OF "132/33 KV PROPOSED AMARPUR S/S TO PROPOSED CHECHUA S/S"

452	411	411	DP+0	0	8°1'12"RT					LONA CHHARA	91°38'22.2"	23°37'11.4"	SP WITH ANGLE
						41	41	19178					
453	412	412	DP+0	0	21°16'53"RT					LONA CHHARA	91°38'21.8"	23°37'12.7"	
						25	25	19203					
454	413	413	DP+2	2	28°51'38"LT					LONA CHHARA	91°38'21.9"	23°37'13.5"	
						40	40	19243	17 Line				Hold
455	414	414	DP+2	2	11°42'15"RT					LONA CHHARA	91°38'21.3"	23°37'14.7"	
						45	45	19288					
456	415	415	DP+4	4	14°19'38"LT					LONA CHHARA	91°38'21"	23°37'16.1"	
						45	45	19333	Metal Road, 11Kv				
457	416	416	DP+4	4	50°11'34"RT					LONA CHHARA	91°38'20.2"	23°37'17.4"	Hold
						40	40	19373	11 KV Line				
458	417	417	DP+2	2	35°51'42"RT					CHECHUA	91°38'20.7"	23°37'18.6"	
						41	41	19414	Metal Road				
459	418	418	DP+0	0	47°17'3"LT					CHECHUA	91°38'20"	23°37'19.3"	
						45	45	19459					
460	419	419	DP+0	0	12°39'8"LT					CHECHUA	91°38'22.4"	23°37'20.7"	
						38	38	19497					
461	420	420	DP+4	4	53°47'89"LT					CHECHUA	91°38'22.4"	23°37'22"	
						45	45	19542	Metal Road, 11Kv				Hold
462	421	421	DP+4	4	49°54'44"RT					CHECHUA	91°38'21.2"	23°37'22.9"	
						45	45	19587	Metal Road				
463	422	422	DP+0	0	15°34'55"RT					CHECHUA	91°38'20.9"	23°37'24.4"	
						45	45	19631					
464	423	423	DP+4	4	45°38'17"RT					CHECHUA	91°38'21"	23°37'25.8"	
						44	44	19675	11Kv				
465	424	424	SP+4	4	9°24'50"LT					CHECHUA	91°38'22.1"	23°37'26.8"	SP WITH ANGLE
						45	45	19721	11Kv				Hold
466	425	425	SP+4	4	7°58'17"RT					CHECHUA	91°38'23.1"	23°37'27.9"	SP WITH ANGLE
						44	44	19765					
467	426	426	FP+0	0						CHECHUA	91°38'24.3"	23°37'28.9"	

SUBMITTED BY:
TechnoFab Engineering Ltd.

Akhil Chakma
DET, Udaipur
CHECKED BY:
P.G.C.I.L

एम. के. नाग / M. K. NAG
प्रबंधक / MANAGER
पावरग्रिड / POWERGRID
उ.पू.क्षे. उदयपुर / NER, UDAIPUR
APPROVED BY

POLE SUMMARY DETAILS								
Tripura State Associated with NER Power System Improvement Project (DMS PACKAGE 04)								
CC-CS/86-NER/REW-2987/1/G2/NOA - I & II / 7147 & 7148 Dated- 20/01/2017								
LINK NAME :- CHECHUA S/S TO TAIDU S/S								
TOTAL LINE LENGTH - 16.215 KM								
		SL NO.	TYPE OF POLE	EXT	POLE QT.	12 (M)	14 (M)	16 (M)
		1	SP (G.A.- 01)	0	27	27		
		3		4	8			8
		4	SP(G.A.- 02)	0	97	97		
		6		4	38			38
		7	DP(G.A.-03)	0	198	396		
		9		4	85			170
		10	FP(G.A.-04)	0	11	44		
		12		4	9			36
			TOTAL			564	0	252

***SP (0° - 0°) WITH 4 METER EXTENSION IN PROPOSED FOR APPROVAL**

****SP (0° - 10°) WITH 4 METER EXTENSION IN PROPOSED FOR APPROVAL**

*****SP (10° - 60°) WITH 4 METER EXTENSION IN PROPOSED FOR APPROVAL**

******SP (60° - 90°) WITH 4 METER EXTENSION IN PROPOSED FOR APPROVAL**

01 — 21
02 — 65
03 — 134
04 — 04

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Samir

LINK NAME :- CHECHUA S/S TO TAIDU S/S				
Sl. No.	**Description**	**Unit**	**Quantity**	**Remarks**
A	*Pole height*			
1	0 Extenion	568		
2	2 m extension	**15**		
3	4 m extension	238		
B	*Crossings*			
1	11 KV Crossing	58		
2	NH Crossing			
3	33 KV Crossing	2		
4	LT LINE	17		
C	*River Crossing*	3		
D	*Road Crossing*	80		
E	*Span voilation*	3		
	angle voilation			
Note:	We have approved 12 M pole drawing (0 M extension) and we have			

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SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	POGCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
											NORTHING	EASTING	
1	D/E	BAY			00°00'00"					CHECHUA	23°37'29.9"	91°38'24.73"	
						42	42						
2	AP-1	AP-1	GA-3	DP+0	22°09'59"RT			42		CHECHUA	23°37'29.27"	91°38'23.4"	
						26	26						
3	AP-2	AP-2	G.A-04-1/2	FP+0	60°42'31"RT			68		CHECHUA	23°37'29.2"	91°38'22.48"	
						45							
4		2/1	GA-1	SP+0	Hold		90			CHECHUA			
						45			11 KV LINE				
5	AP-5	AP-3	**	SP+4	03°56'43"RT			158		CHECHUA	23°37'31.62"	91°38'20.69"	
						34	34		ROAD, NALA				
6		AP-4	GA-3	DP+0	35°50'00"RT			192		CHECHUA	23°37'32.53"	91°38'20.12"	
						40							
7		4/1	GA-1	SP+0			80			CHECHUA			
						40			VRD				
8	AP-6	AP-5	GA-3	DP+0	10°55'55"RT			272		CHECHUA	23°37'34.97"	91°38'20.37"	
						45	45						
9	AP-7	AP-6	GA-3	DP+0	11°18'36"LT			317		CHECHUA	23°37'36.57"	91°38'20.89"	
						32	32		LT LINE				
10	AP-8	AP-7	**	SP+4	Hold 07°47'07"RT			349		CHECHUA	23°37'37.54"	91°38'20.98"	Please see the Comment Page NO -24/24
						26	26		ROAD				
11	AP-8	AP-8	GA-2	SP+0	09°24'36"LT			375		CHECHUA	23°37'38.36"	91°38'21.19"	
						28	28						
12	AP-8	AP-9	GA-2	SP+0	06°34'21"RT			403		CHECHUA	23°37'39.27"	91°38'21.25"	
						27	27						
13		AP-10	GA-3	DP+0	12°26'26"RT			430		CHECHUA	23°37'40.15"	91°38'21.41"	
						28	28						
14	AP-9	AP-11	GA-3	DP+0	21°11'47"LT			458		CHECHUA	23°37'41"	91°38'21.79"	
						33	33		ROAD				
15	AP-10	AP-12	GA-3	DP+0	Hold 31°28'50"LT			491		CHECHUA	23°37'42.07"	91°38'21.82"	
						37	37						
16		AP-13	GA-2	SP+0	01°57'31"LT			528		CHECHUA	23°37'42.75"	91°38'21.39"	
						39	39						
17	AP-11	AP-14	GA-3	DP+0	25°43'51"LT			567		CHECHUA	23°37'44.17"	91°38'20.46"	
						29	29						
18		AP-15	GA-2	SP+0	09°58'40"RT			596		CHECHUA	23°37'44.68"	91°38'19.6"	
						30	30						
19	AP-12	AP-16	***	DP+4	32°17'48"RT			626		CHECHUA	23°37'45.36"	91°38'18.82"	
						40	40		11 KV LINE				
20		AP-17	**	SP+4	Hold 03°36'50"LT			666		CHECHUA	23°37'47.04"	91°38'18.34"	
						37	37						
21	AP-13	AP-18	GA-3	DP+0	18°04'17"RT			703		CHECHUA	23°37'47.76"	91°38'18.09"	

SUBMITTED BY
TECHNOPAB ENGINEERING LIMITED TRIPURA

FIELD SUPERVISOR
पॉवरग्रिड / POWERGRID
उ.पू.क्षे., अगरतला / NER, Agartala.

APPROVED BY

SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
											NORTHING	EASTING	
						45							
22		18/1	GA-1	SP+0			135			CHECHUA			
						45							
23		18/2	GA-1	SP+0						CHECHUA			
						45							
24		AP-19	GA-2	SP+0	04°56'07"LT			838		CHECHUA	23°37'52.18"	91°38'18.08"	
						38	38		VRD				
25	AP-14	AP-20	***	DP+4	09°47'18"RT			876		CHECHUA	23°37'53.41"	91°38'17.96"	
						65	65		ENJON RIVER				
26	AP-15	AP-21	***	DP+4	27°50'15"RT			941		CHECHUA	23°37'55.53"	91°38'18.15"	
						27	27		VRD				
27		AP-22	GA-3	DP+0	22°59'12"LT			968		CHECHUA	23°37'56.28"	91°38'18.67"	
						28	28						
28	AP-16	AP-23	GA-3	DP+0	10°07'29"LT			996		CHECHUA	23°37'57.19"	91°38'18.84"	
						29	29		ROAD				
29		AP-24	GA-3	DP+0	14°34'27"RT			1025		CHECHUA	23°37'58.14"	91°38'18.83"	
						41							
30		24/1	GA-1	SP+0						CHECHUA			
						41							
31		24/2	GA-1	SP+0						CHECHUA			
						41	205						
32		24/3	*	SP+4						CHECHUA			
						41			LT LINE				
33		24/4	*	SP+4						CHECHUA			
						41							
34		AP-25	GA-2	SP+0	01°14'56"LT			1230		CHECHUA	23°38'4.658"	91°38'20.6"	
						39							
35		25/1	GA-1	SP+0			94			CHECHUA			
						45							
36	AP-17	AP-26	GA-3	DP+0	17°33'39"LT			1314		CHECHUA	23°38'7.134"	91°38'21.21"	
						39	39						
37	AP-18	AP-27	GA-2	SP+0	08°49'59"LT			1353		CHECHUA	23°38'8.011"	91°38'21.13"	
						45	45						
38		AP-28	**	SP+4	08°20'37"LT			1398		CHECHUA	23°38'9.828"	91°38'20.65"	
						42	42		VRD, 11 KV LINE				
39	AP-19	AP-29	**	SP+4	01°48'17"LT			1440		CHECHUA	23°38'11.47"	91°38'19.93"	
						45							
40		29/1	GA-1	SP+0			90			CHECHUA			
						45							
41		AP-30	GA-2	SP+0	03°51'28"LT			1530		CHECHUA	23°38'13.77"	91°38'18.88"	
						45	45						
42	AP-20	AP-31	GA-3	DP+0	30°50'20"RT			1575		CHECHUA	23°38'15.29"	91°38'18.05"	

pls see the comment page NO - 24/24

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SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	POCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
											NORTHING	EASTING	
						30	30		ROAD				
43		AP-32	**	SP+4	09°31'36"LT			1805		CHECHUA	23°38'16.08"	91°38'18.11"	
						29	29		11 KV, LT LINE				
44		AP-33	**	SP+4	03°21'59"LT			1833		CHECHUA	23°38'16.86"	91°38'18.04"	
						32	32						
45	AP-21	AP-34	GA-3	DP+0	10°06'18"RT			1865		CHECHUA	23°38'17.76"	91°38'17.88"	
						44	44						
46		AP-35	**	SP+4	03°36'41"LT			1709		CHECHUA	23°38'19.65"	91°38'17.94"	
						40	40		11 KV LINE				
47	AP-22	AP-36	**	SP+4	05°29'18"LT			1749		CHECHUA	23°38'20.79"	91°38'17.89"	
						33	33						
48	AP-23	AP-37	GA-3	DP+0	23°37'48"RT			1782		CHECHUA	23°38'21.57"	91°38'17.77"	
						28	28						
49		AP-38	GA-2	SP+0	02°11'42"LT			1810		CHECHUA	23°38'22.45"	91°38'18.05"	
						25	25		ROAD				
50	AP-24	AP-39	GA-3	DP+0	31°28'50"RT			1835		CHECHUA	23°38'23.1"	91°38'18.25"	
						45	45						
51	AP-25	AP-40	***	DP+4	18°47'14"LT			1880		CHECHUA	23°38'24.23"	91°38'19.58"	
						26	26		ROAD, 11 KV LINE				
52		AP-41	***	DP+4	36°19'07"LT			1906		CHECHUA	23°38'24.97"	91°38'20.03"	
						25	25						
53	AP-26	AP-42	GA-3	DP+0	30°42'56"LT			1931		CHECHUA	23°38'25.78"	91°38'19.92"	
						26	26						
54		AP-43	GA-3	DP+0	14°33'30"RT			1957		CHECHUA	23°38'26.52"	91°38'19.49"	
						27	27						
55	AP-27	AP-44	GA-2	SP+0	06°24'45"RT			1984		CHECHUA	23°38'27.37"	91°38'19.27"	
						26	26						
56		AP-45	GA-2	SP+0	02°20'44"RT			2010		CHECHUA	23°38'28.21"	91°38'19.15"	
						27	27						
57	AP-28	AP-46	GA-2	SP+0	04°14'11"RT			2037		CHECHUA	23°38'29.09"	91°38'19.07"	
						32	32						
58		AP-47	***	DP+4	38°32'35"LT			2069		CHECHUA	23°38'30.13"	91°38'19.06"	
						26	26		ROAD, 11 KV LINE				
59	AP-29	AP-48	***	DP+4	17°39'00"LT			2096		CHECHUA	23°38'30.77"	91°38'18.49"	
						32	32						
60		AP-49	GA-3	DP+0	35°03'34"RT			2127		CHECHUA	23°38'31.35"	91°38'17.53"	
						39	39						
61	AP-30	AP-50	GA-3	DP+0	54°56'28"RT			2166		CHECHUA	23°38'32.52"	91°38'17.03"	
						33	33		ROAD				
62		AP-51	GA-2	SP+0	05°08'23"RT			2199		CHECHUA	23°38'33.2"	91°38'17.51"	
						45	45						
63	AP-31	AP-52	GA-2	SP+0	08°45'40"LT			2244		CHECHUA	23°38'34.55"	91°38'18.66"	

pls see the Comment page no - 24/29

SUBMITTED BY
TECHNO ENGINEERING LIMITED TRIPURA

FIELD SUPERVISOR
पॉवरग्रिड/POWERGRID
उ.पू.क्षे., अगरतला/NER, Agartala.

APPROVED BY

SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
											NORTHING	EASTING	
						33							
64		AP-53	GA-2	SP+0	07°42'26"RT		33						
								2277		CHECHUA	23°38'35.17"	91°38'19.05"	
						40							
65	AP-32	AP-54	GA-3	DP+0	13°00'02"LT		40						
								2317		CHECHUA	23°38'36.48"	91°38'20.13"	
						29			ROAD				
66		AP-55	GA-2	SP+0	07°01'50"LT		29						
								2346		CHECHUA	23°38'37.33"	91°38'20.54"	
						26							
67		AP-56	***	DP+4	15°21'31"RT		26						
								2372		CHECHUA	23°38'38.14"	91°38'20.81"	
						24			VRD, 11 KV LINE				
68	AP-33	AP-57	***	DP+4	23°10'26"RT		24						
								2396		CHECHUA	23°38'38.92"	91°38'20.84"	
						41							
69		AP-58	GA-2	SP+0	08°57'11"LT		41						
								2437		CHECHUA	23°38'39.67"	91°38'21.22"	
						45							
70		AP-59	GA-2	SP+0	07°26'41"LT		45						
								2482		CHECHUA	23°38'41.53"	91°38'21.8"	
						31			VRD				
71		AP-60	GA-2	SP+0	02°08'51"RT		31						
								2513		CHECHUA	23°38'42.54"	91°38'21.97"	
						25							
72	AP-34	AP-61	***	DP+4	15°23'44"LT		25						
								2538		CHECHUA	23°38'43.36"	91°38'22.14"	
						28			11 KV LINE				
73	AP-35	AP-62	**	SP+4	02°14'17"RT		28						
								2566		CHECHUA	23°38'44.27"	91°38'22.06"	
						31			ROAD, 11 KV LINE				
74		AP-63	***	DP+4	58°32'42"LT		31						
								2597		CHECHUA	23°38'45.27"	91°38'22.01"	
						31			ROAD				
75		AP-64	GA-2	SP+0	02°48'05"RT		31						
								2628		CHECHUA	23°38'45.78"	91°38'21.69"	
						22							
76		AP-65	GA-2	SP+0	05°42'38"LT		22						
								2650		CHECHUA	23°38'46.17"	91°38'20.41"	
						36							
77	AP-36	AP-66	***	DP+4	22°21'12"RT		36						
								2686		CHECHUA	23°38'46.52"	91°38'19.63"	
						41			2 NOS 11 KV LINE				
78	AP-37	AP-67	***	FP+4	60°44'55"RT		41						
								2727		CHECHUA	23°38'47.78"	91°38'18.42"	
						30							
79		AP-68	***	DP+4	35°02'08"RT		30						
								2757		CHECHUA	23°38'48.69"	91°38'18.76"	
						29			ROAD, 11 KV LINE				
80		AP-69	***	DP+4	43°48'12"LT		29						
								2786		CHECHUA	23°38'49.25"	91°38'19.61"	
						26							
81		AP-70	GA-3	DP+0	10°54'57"RT		26						
								2812		CHECHUA	23°38'50.1"	91°38'19.77"	
						27							
82		AP-71	GA-2	SP+0	06°45'05"RT		27						
								2839		CHECHUA	23°38'50.91"	91°38'20.17"	
						40							
83	AP-38	AP-72	GA-2	SP+0	06°59'48"LT		40						
								2879		CHECHUA	23°38'51.66"	91°38'20.53"	
						37							
84		AP-73	GA-3	DP+0	07°03'37"LT		37						
								2916		CHECHUA	23°38'53.23"	91°38'21.15"	

pls see the comment page 24/24

SUPERVISOR
TECHNOCRAB

TECHNOCRAB ENGINEERING LIMITED TRIPURA

फील्ड पर्यवेक्षक / FIELD SUPERVISOR
पावरग्रिड / POWERGRID
उ.पू.क्षे., अगरतला / NER, Agartala.

APPROVED BY

SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) NORTHING	GPS CO-ORDINATE(WGS-84) EASTING	REMARKS
85		AP-74	GA-2	SP+0	03°44'36"LT	45	45	2961		CHECHUA	23°38'54.05"	91°38'21.36"	
86	AP-39	AP-75	GA-3	DP+0	01°34'19"LT	45	45	3006		CHECHUA	23°38'56.13"	91°38'21.72"	
87		75/1	GA-1	SP+0		33	99			CHECHUA			
88		75/2	GA-1	SP+0		33				CHECHUA			
89	AP-40	AP-76	GA-3	DP+0	11°18'08"LT	33		3106		CHECHUA	23°38'59.35"	91°38'22.25"	
90		AP-77	GA-3	DP+0	15°06'57"RT	27	27	3132		CHECHUA	23°39'0.234"	91°38'22.23"	
91		AP-78	GA-3	DP+0	18°20'03"RT	27	27	3159		MELCHHI	23°39'1.081"	91°38'22.41"	
92		AP-79	GA-3	DP+0	26°55'48"LT	27	27	3186		MELCHHI	23°39'1.833"	91°38'22.9"	
93	AP-41	AP-80	GA-3	DP+0	29°18'13"LT	26	26	3212		MELCHHI	23°39'2.679"	91°38'22.96"	
94		AP-81	GA-3	DP+0	33°37'06"LT	42	42	3254		MELCHHI	23°39'3.585"	91°38'22.49"	
95	AP-42	AP-82	***	DP+4	21°36'40"LT	45	45	3299		MELCHHI	23°39'4.545"	91°38'20.75"	
96		AP-83	***	DP+4	24°52'39"RT	23	23	3322	ROAD, 11 KV LINE	MELCHHI	23°39'4.668"	91°38'19.94"	
97		83/1	GA-1	SP+0	Hold	38	76			MELCHHI			
98		AP-84	***	DP+4	43°56'49"RT	38		3390	33KV	MELCHHI	23°39'6.047"	91°38'17.74"	
99		AP-85	***	DP+4	18°56'47"LT	25	25	3423	ROAD, 11 KV LINE	MELCHHI	23°39'6.858"	91°38'17.55"	
100	AP-44	AP-86	***	DP+4	35°15'25"RT	28	28	3451	ROAD, 11 KV LINE	MELCHHI	23°39'7.634"	91°38'17.05"	
101		86/1	GA-1	SP+0		40	80			MELCHHI			
102	AP-45	AP-87	***	DP+4	48°58'19"RT	40		3531		MELCHHI	23°39'10.23"	91°38'17.27"	
103		AP-88	***	DP+4	27°16'52"RT	27	27	3558	11 KV LINE	MELCHHI	23°39'10.76"	91°38'18.04"	
104		88/1	GA-1	SP+0	Hold	39	78		66 KV LINE	MELCHHI			
105		AP-89	GA-2	SP+0	08°44'46"RT	39		3636		MELCHHI	23°39'11.17"	91°38'20.79"	

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SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
											NORTHING	EASTING	
106		AP-90	GA-3	DP+0	19°39'14"LT	29	29	3685	ROAD	MELCHHI	23°39'11.18"	91°38'21.81"	
107	AP-47	AP-91	GA-3	DP+0	51°54'40"LT	30	30	3695		MELCHHI	23°39'11.52"	91°38'22.8"	
108	AP-48	AP-92	GA-2	SP+0	02°47'34"LT	25	25	3720	ROAD	MELCHHI	23°39'12.3"	91°38'23.07"	
109		AP-93	GA-3	DP+0	26°31'40"LT	26	26	3746		MELCHHI	23°39'13.11"	91°38'23.31"	
110		AP-94	GA-3	DP+0	18°35'25"LT	26	26	3772		MELCHHI	23°39'13.96"	91°38'23.13"	
111		AP-95	**	SP+4	02°59'43"LT	26	26	3798		MELCHHI	23°39'14.7"	91°38'22.66"	
112	AP-49	AP-96	**	SP+4	03°51'39"RT	25	25	3824	11 KV LINE	MELCHHI	23°39'15.41"	91°38'22.16"	
113		AP-97	**	SP+4	08°51'49"RT	25	25	3849	11 KV LINE	MELCHHI	23°39'16.12"	91°38'21.73"	
114		AP-98	***	DP+4	13°15'50"RT	41	41	3890	NALA, 11 KV LINE	MELCHHI	23°39'17.39"	91°38'21.22"	
115		AP-99	GA-3	DP+0	55°17'50"RT	44	44	3934		MELCHHI	23°39'18.82"	91°38'21.03"	
116		AP-100	GA-2	SP+0	03°48'51"LT	45	45	3979		MELCHHI	23°39'19.97"	91°38'22.43"	
117		AP-101	**	SP+4	01°26'33"RT	35	35	4014		MELCHHI	23°39'20.59"	91°38'23.09"	
118	AP-51	AP-102	***	DP+4	21°39'58"LT	32	32	4046	ROAD, 11 KV LINE	MELCHHI	23°39'21.31"	91°38'23.9"	
119	AP-52	AP-103	GA-2	SP+0	08°50'34"LT	26	26	4072		MELCHHI	23°39'22.1"	91°38'24.28"	
120		AP-104	GA-2	SP+0	04°30'33"RT	45	45	4117		MELCHHI	23°39'23.59"	91°38'24.72"	
121		AP-105	GA-3	DP+0	23°07'43"RT	29	29	4146		MELCHHI	23°39'24.48"	91°38'25.06"	
122		AP-106	GA-3	DP+0	39°03'11"LT	26	26	4173		MELCHHI	23°39'25.1"	91°38'25.69"	
123		AP-107	**	SP+4	03°10'47"LT	31	31	4200		MELCHHI	23°39'25.94"	91°38'25.76"	
124	AP-54	AP-108	***	DP+4	37°46'20"RT	42	42	4245	ROAD, 11 KV LINE	MELCHHI	23°39'27.47"	91°38'25.78"	
125		AP-109	GA-2	SP+0	06°00'32"RT	27	27	4272		MELCHHI	23°39'28.16"	91°38'26.97"	
126		AP-110	GA-3	DP+0	23°11'55"RT	27	27	4299		MELCHHI	23°39'28.78"	91°38'27.08"	

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SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	POCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
											NORTHING	EASTING	
127	AP-55	AP-111	GA-2	SP+0	Hold 01°41'00"LT	36	36	4395		MELCHHI	23°39'29.12"	91°38'27.91"	
128	AP-56	AP-112	GA-3	DP+0	34°01'49"LT	41	41	4376	ROAD	MELCHHI	23°39'29.78"	91°38'29.53"	
129		AP-113	GA-3	DP+0	18°03'23"RT	45	45	4421		MELCHHI	23°39'31.22"	91°38'30.5"	
130	AP-57	AP-114	GA-3	DP+0	53°30'06"LT	45	45	4466		MELCHHI	23°39'32.14"	91°38'31.69"	
131		114/1	*	SP+4	Hold	40	62			MELCHHI			
132		AP-115	***	DP+4	11°06'14"RT	42		4543	11 KV LINE	MELCHHI	23°39'34.64"	91°38'31.52"	
133	AP-58	AP-116	GA-3	DP+0	22°26'57"RT	28	28	4576		MELCHHI	23°39'35.56"	91°38'31.66"	
134	AP-59	AP-117	GA-2	SP+0	10°02'16"RT	26	26	4602		MELCHHI	23°39'36.27"	91°38'32.11"	
135		AP-118	***	DP+4	20°01'08"LT	27	27	4629		MELCHHI	23°39'37.03"	91°38'32.59"	
136		AP-119	***	DP+4	Hold 03°55'47"LT	25	25	4654	11 KV LINE	MELCHHI	23°39'37.84"	91°38'32.76"	
137	AP-60	AP-120	**	SP+4	05°40'51"LT	26	26	4680	11 KV LINE	MELCHHI	23°39'38.62"	91°38'32.4"	
138		120/1	GA-1	SP+0		37	74			MELCHHI			
139	AP-61	AP-121	**	SP+4	Hold 04°40'17"RT	37		4754		MELCHHI	23°39'40.72"	91°38'31.14"	
140	AP-62	AP-122	GA-3	DP+0	57°03'15"RT	35	35	4789	ROAD, 11 KV LINE	MELCHHI	23°39'41.76"	91°38'30.64"	
141	AP-63	AP-123	GA-3	DP+0	13°02'38"RT	43	43	4832		MELCHHI	23°39'43.39"	91°38'31.79"	
142		AP-124	GA-3	DP+0	23°07'17"RT	45	45	4877		PROSATH PARA	23°39'44.02"	91°38'32.49"	
143	AP-64	AP-125	GA-3	DP+0	25°21'14"LT	45	45	4922		PROSATH PARA	23°39'44.55"	91°38'34"	
144	AP-65	AP-126	GA-3	DP+0	14°13'04"LT	45	45	4967		PROSATH PARA	23°39'45.8"	91°38'35.29"	
145	AP-66	AP-127	GA-3	DP+0	25°26'40"LT	45	45	5012		PROSATH PARA	23°39'47.27"	91°38'36.19"	
146	AP-67	AP-128	GA-2	SP+0	09°08'52"LT	29	29	5041		PROSATH PARA	23°39'48.08"	91°38'36.26"	
147	AP-68	AP-129	GA-2	SP+0	08°55'19"LT	27	27	5068		PROSATH PARA	23°39'48.89"	91°38'36.18"	
						45							

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SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
											NORTHING	EASTING	
148		AP-130	GA-2	SP+0	05°38'16"LT			5113		PROSATH PARA	23°39'50.51"	91°38'35.74"	
						45	45						
149		AP-131	GA-2	SP+0	05°38'18"RT			5158		PROSATH PARA	23°39'52.1"	91°38'35.12"	
						28	28						
150		AP-132	GA-3	DP+0	11°22'29"RT			5188		PROSATH PARA	23°39'52.91"	91°38'34.9"	
						29	29						
151	AP-69	AP-133	***	DP+4	12°07'45"RT			5215		PROSATH PARA	23°39'53.79"	91°38'34.86"	
						42	42		11 KV LINE				
152		AP-134	**	SP+4	02°59'12"RT			5257		PROSATH PARA	23°39'55.45"	91°38'35.16"	
						30	30						
153	AP-70	AP-135	GA-3	DP+0	16°28'50"RT			5287		PROSATH PARA	23°39'56.3"	91°38'35.36"	
						31	31						
154		AP-136	GA-2	SP+0	01°46'50"RT			5318		PROSATH PARA	23°39'57.05"	91°38'35.81"	
						32	32						
155	AP-71	AP-137	GA-2	SP+0	08°00'27"LT			5350		PROSATH PARA	23°39'57.83"	91°38'36.3"	
						31	31						
156		AP-138	**	SP+4	08°39'18"LT			5381		PROSATH PARA	23°39'58.55"	91°38'36.61"	
						42	42		ROAD, 11 KV LINE				
157	AP-72	AP-139	***	DP+4	13°45'39"LT			5423		PROSATH PARA	23°40'0.153"	91°38'37.01"	
						33	33						
158	AP-73	AP-140	GA-3	DP+0	26°33'54"LT			5456		PROSATH PARA	23°40'1.095"	91°38'37.03"	
						45	45						
159		AP-141	GA-2	SP+0	09°27'44"LT			5501		PROSATH PARA	23°40'2.555"	91°38'32.97"	
						34	34						
160	AP-74	AP-142	GA-2	SP+0	04°53'13"LT			5535		PROSATH PARA	23°40'3.294"	91°38'35.61"	
						36	71						
161		142/1	*	SP+4						PROSATH PARA			
						35			ROAD, 11 KV LINE				
162	AP-75	AP-143	****	FP+4	71°52'41"RT			5606		PROSATH PARA	23°40'4.745"	91°38'34.21"	
						45	45						
163		AP-144	GA-3	DP+0	22°13'03"LT			5651		PROSATH PARA	23°40'6.052"	91°38'35.05"	
						32	32						
164	AP-76	AP-145	GA-2	SP+0	08°44'46"LT			5683		PROSATH PARA	23°40'6.899"	91°38'35.18"	
						31	31						
165		AP-146	GA-3	DP+0	12°59'41"LT			5714		PROSATH PARA	23°40'7.744"	91°38'35.17"	
						31	31						
166	AP-77	AP-147	GA-3	DP+0	38°59'33"LT			5745		PROSATH PARA	23°40'8.587"	91°38'34.95"	
						30	30						
167	AP-78	AP-148	***	DP+4	26°38'32"LT			5775		PROSATH PARA	23°40'9.232"	91°38'34.31"	
						31	31		LT LINE				
168	AP-79	AP-149	***	DP+4	29°13'26"LT			5806		PROSATH PARA	23°40'9.518"	91°38'33.49"	
						45	45		VRD				
169		AP-150	GA-2	SP+0	09°58'28"RT			5851		PROSATH PARA	23°40'9.24"	91°38'31.45"	

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SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUM. TV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) NORTHING	GPS CO-ORDINATE(WGS-84) EASTING	REMARKS
170	AP-80	AP-151	**	SP+4	05°00'14"RT	30	30	5881		PROSATH PARA	23°40'9.264"	91°38'30.5"	
171		AP-152	**	SP+4	02°52'59"RT	33	33	5914	ROAD, 11 KV LINE	PROSATH PARA	23°40'9.384"	91°38'29.37"	
172	AP-81	AP-153	***	DP+4	06°05'58"LT	35	35	5949		PROSATH PARA	23°40'9.568"	91°38'28.16"	
173	AP-82	AP-154	**	SP+4	08°24'31"LT	30	30	5979	ROAD, 11 KV LINE	PROSATH PARA	23°40'9.592"	91°38'27.1"	
174		154/1	*	SP+4	Hold	43	65			PROSATH PARA			
175		AP-155	**	SP+4	01°55'55"LT	42		6064	11 KV LINE	PROSATH PARA	23°40'9.274"	91°38'24.32"	
176	AQP-83	AP-156	****	FP+4	60°33'41"RT	25	25	6089		PROSATH PARA	23°40'9.17"	91°38'23.51"	
177		AP-157	**	SP+4	04°24'5"LT	28	28	6117	ROAD, 11 KV LINE	PROSATH PARA	23°40'9.815"	91°38'22.97"	
178	AP-84	AP-158	GA-3	DP+0	11°21'57"LT	45	45	6162		PROSATH PARA	23°40'11.13"	91°38'21.69"	
179	AP-85	AP-159	GA-3	DP+0	12°29'41"RT	45	45	6207		PROSATH PARA	23°40'12.06"	91°38'20.34"	
180		AP-160	GA-3	DP+0	22°37'50"RT	45	45	6252		PROSATH PARA	23°40'13.1"	91°38'19.37"	
181	AP-86	AP-161	GA-3	DP+0	36°58'24"RT	24	24	6276		PROSATH PARA	23°40'13.71"	91°38'19.16"	
182	AP-87	AP-162	GA-2	SP+0	01°17'11"LT	33	33	6309		PROSATH PARA	23°40'14.62"	91°38'19.53"	
183		AP-163	***	DP+4	Hold 45°43'42"LT	34	34	6343		PROSATH PARA	23°40'15.64"	91°38'19.95"	
184	AP-88	AP-164	**	SP+4	06°23'48"LT	41	41	6384	VRD, 11 KV LINE	PROSATH PARA	23°40'16.77"	91°38'19.37"	
185		AP-165	GA-2	SP+0	01°46'17"LT	27	27	6411	NALA	PROSATH PARA	23°40'17.42"	91°38'18.94"	
186	AP-89	AP-166	GA-2	SP+0	06°10'13"RT	36	36	6447		PROSATH PARA	23°40'18.32"	91°38'18.3"	
187		AP-167	GA-3	DP+0	15°04'07"LT	25	25	6472		PROSATH PARA	23°40'18.97"	91°38'17.94"	
188	AP-90	AP-168	GA-3	DP+0	17°13'39"LT	25	25	6497		PROSATH PARA	23°40'19.55"	91°38'17.36"	
189	AP-91	AP-169	GA-3	DP+0	26°14'30"RT	42	42	6539		PROSATH PARA	23°40'20.48"	91°38'15.66"	
190		AP-170	GA-3	DP+0	35°13'18"RT	42	42	6581		PROSATH PARA	23°40'21.28"	91°38'15.09"	
191	AP-92	AP-171	GA-3	DP+0	15°28'51"RT	27	27	6608		PROSATH PARA	23°40'22"	91°38'15.12"	
192	AP-93	AP-172	***	DP+4	Hold 34°01'44"LT	45	45	6653		PROSATH PARA	23°40'23.6"	91°38'15.66"	

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SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
											NORTHING	EASTING	
193		AP-173	****	FP+4	61°57'35"LT	35	35	6688	11 KV LINE	PROSATH PARA	23°40'24.5"	91°38'15.37"	
194	AP-94	AP-174	***	DP+4	42°04'36"LT	32	32	6720		PROSATH PARA	23°40'24.69"	91°38'14.38"	
195	AP-95	AP-175	****	FP+4	67°17'08"RT	33	33	6753	ROAD, 11 KV LINE	PROSATH PARA	23°40'24.19"	91°38'13.47"	
196		AP-176	GA-3	DP+0	66°11'30"RT	29	29	6782		PROSATH PARA	23°40'24.71"	91°38'12.72"	
197	AP-96	AP-177	GA-3	DP+0	33°41'24"LT	31	31	6813	ROAD	PROSATH PARA	23°40'25.58"	91°38'12.43"	
198	AP-97	AP-178	GA-3	DP+0	18°49'55"LT	34	34	6847		PROSATH PARA	23°40'26.23"	91°38'11.58"	
199		178/1	*	SP+4		34	69			PROSATH PARA			
200	AP-98	AP-179	***	DP+4	23°01'08"LT	35		6916	11 KV LINE	OMPI BAZAR	23°40'26.96"	91°38'9.456"	
201		AP-180	GA-2	SP+0	08°18'55"RT	31	31	6947	ROAD	OMPI BAZAR	23°40'26.91"	91°38'8.468"	
202	AP-99	AP-181	GA-3	DP+0	15°57'42"RT	30	30	6977		OMPI BAZAR	23°40'27.12"	91°38'6.454"	
203		AP-182	GA-3	DP+0	15°13'44"LT	27	27	7004	ROAD	OMPI BAZAR	23°40'27.26"	91°38'6.77"	
204	AP-100	AP-183	GA-3	DP+0	34°01'03"RT	45	45	7049		OMPI BAZAR	23°40'27.47"	91°38'5.003"	
205	AP-101	AP-184	GA-3	DP+0	28°50'02"RT	33	33	7082		OMPI BAZAR	23°40'28.05"	91°38'4.291"	
206		AP-185	GA-2	SP+0	03°12'04"LT	27	27	7109		OMPI BAZAR	23°40'28.79"	91°38'4.001"	
207	AP-102	AP-186	GA-3	DP+0	27°21'00"RT	21	21	7130		OMPI BAZAR	23°40'29.34"	91°38'3.748"	
208		AP-187	GA-2	SP+0	06°43'11"RT	25	25	7155		OMPI BAZAR	23°40'30.09"	91°38'3.811"	
209	AP-103	AP-188	GA-3	DP+0	13°25'32"RT	33	33	7188		OMPI BAZAR	23°40'31.04"	91°38'4.013"	
210		AP-189	GA-2	SP+0	05°50'56"RT	37	37	7225		OMPI BAZAR	23°40'32.08"	91°38'4.532"	
211		AP-190	GA-2	SP+0	08°07'48"LT	27	27	7252		OMPI BAZAR	23°40'32.74"	91°38'4.948"	
212	AP-104	AP-191	GA-2	SP+0	01°21'15"LT	21	21	7273		OMPI BAZAR	23°40'33.36"	91°38'5.224"	

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DETAIL SURVEY POLE SECDULE

LINK NAME:-CHECHUA TO TAIDU

SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUML.TV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
											NORTHING	EASTING	
213	AP-105	AP-192	GA-3	DP+0	Hold 18°20'08"RT	34	34	7307	VRD	OMPI BAZAR	23°40'34.3"	91°38'5.838"	
214		AP-193	GA-3	DP+0	34°29'29"RT	32	32	7339	ROAD	OMPI BAZAR	23°40'35.02"	91°38'6.301"	
215		AP-194	GA-3	DP+0	32°13'53"LT	23	23	7362		OMPI BAZAR	23°40'35.19"	91°38'6.97"	
216	AP-106	AP-195	GA-3	DP+0	26°45'54"LT	24	24	7386		OMPI BAZAR	23°40'35.68"	91°38'7.459"	
217		AP-196	GA-2	SP+0	01°33'31"RT	28	28	7414		OMPI BAZAR	23°40'35.47"	91°38'7.698"	
218	AP-107	AP-197	GA-3	DP+0	10°58'34"RT	32	32	7446		OMPI BAZAR	23°40'37.38"	91°38'8.007"	
219		AP-198	GA-2	SP+0	01°07'58"LT	27	27	7473		OMPI BAZAR	23°40'38.19"	91°38'8.104"	
220	AP-108	AP-199	***	DP+4	10°47'44"LT	21	21	7494		OMPI BAZAR	23°40'38.75"	91°38'8.169"	
221	AP-109	AP-200	***	DP+4	32°36'31"RT	70	70	7564	RIVER	OMPI BAZAR	23°40'41.02"	91°38'7.969"	
222	AP-110	AP-201	***	DP+4	Hold 23°11'12"RT	45	45	7609		OMPI BAZAR	23°40'42.52"	91°38'8.816"	
223		AP-202	***	DP+4	43°30'09"LT	27	27	7636	ROAD,LT	OMPI BAZAR	23°40'43.02"	91°38'9.501"	
224		202/1	GA-1	SP+0		39	113			OMPI BAZAR			
225		202/2	GA-1.	SP+0		37				OMPI BAZAR			
226		AP-203	***	SP+4	03°00'48"LT	37		7749		OMPI BAZAR	23°40'46.4"	91°38'9.996"	
227	AP-112	AP-204	***	DP+4	Hold 47°19'56"LT	35	35	7784	11 KV LINE	OMPI BAZAR	23°40'47.48"	91°38'10.09"	
228	AP-113	AP-205	***	DP+4	19°07'43"RT	31	31	7815	ROAD, LT LINE	OMPI BAZAR	23°40'48.15"	91°38'9.413"	
229		205/1	GA-1.	SP+0		43	85			OMPI BAZAR			
230	AP-114	AP-206	GA-3	DP+0	Hold 25°23'41"RT	42		7900		OMPI BAZAR	23°40'50.52"	91°38'8.294"	
231		AP-207	GA-2	SP+0	01°37'18"LT	27	27	7927	ROAD	OMPI BAZAR	23°40'51.3"	91°38'8.321"	
232		207/1	GA-1.	SP+0		41	82			OMPI BAZAR			
233	AP-116	AP-208	GA-3	DP+0	13°10'17"LT	41		8009	VRD	OMPI BAZAR	23°40'53.73"	91°38'8.331"	
234	AP-117	AP-209	GA-3	DP+0	30°50'33"RT	45	45	8054		OMPI BAZAR	23°40'55.36"	91°38'7.926"	
235	AP-118	AP-210	GA-3	DP+0	26°33'54"RT	28	28	8082		OMPI BAZAR	23°40'56.14"	91°38'9.2"	

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SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
											NORTHING	EASTING	
236	AP-119	AP-211	***	DP+4	29°21'26"LT	33	33	8115	11 KV LINE	OMPI BAZAR	23°40'56.83"	91°38'8.934"	
237		AP-212	***	DP+4	15°38'32"LT	31	31	8146		OMPI BAZAR	23°40'57.64"	91°38'9.173"	
238		AP-213	GA-2	3P+0	06°49'16"RT	32	32	8178		OMPI BAZAR	23°40'58.59"	91°38'9.163"	
239	AP-120	AP-214	GA-3	DP+0	10°10'32"RT	28	28	8206	ROAD	OMPI BAZAR	23°40'59.4"	91°38'9.155"	
240	AP-121	AP-215	GA-3	DP+0	25°38'12"LT	43	43	8249		OMPI BAZAR	23°41'0.673"	91°38'9.389"	

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SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
											NORTHING	EASTING	
241	AP-122	AP-216	***	DP+4	22°02'35"RT	45	45	8294		OMPI BAZAR	23°41'2.197"	91°38'8.914"	
242		AP-217	***	DP+4	11°51'11"RT	29	29	8323	ROAD, 11 KV LINE	OMPI BAZAR	23°41'3.043"	91°38'9.011"	
243	AP-123	AP-218	***	DP+4	22°40'17"LT	45	45	8368		OMPI BAZAR	23°41'4.805"	91°38'9.628"	
244		AP-219	***	DP+4	16°35'09"RT	39	39	8407	ROAD, 11 KV LINE	OMPI BAZAR	23°41'5.682"	91°38'9.548"	
245	AP-124	AP-220	GA-2	SP+0	07°13'28"LT	45	45	8452		OMPI BAZAR	23°41'7.083"	91°38'9.922"	
246		AP-221	***	DP+4	56°43'48"LT	27	27	8479	ROAD	OMPI BAZAR	23°41'7.864"	91°38'10.02"	
247	AP-125	AP-222	GA-3	DP+0	21°58'42"RT	29	29	8508	ROAD, 11 KV LINE	OMPI BAZAR	23°41'8.378"	91°38'9.273"	
248		AP-223	GA-2	SP+0	08°02'24"RT	34	34	8542		OMPI BAZAR	23°41'9.25"	91°38'8.699"	
249	AP-126	AP-224	GA-2	SP+0	08°22'11"RT	29	29	8571		OMPI BAZAR	23°41'10.02"	91°38'8.338"	
250		224/1	GA-1	SP+0		45	135		FOOT TRACK	OMPI BAZAR			
251		224/2	GA-1	SP+0		45				OMPI BAZAR			
252	AP-127	AP-225	***	DP+4	29°53'32"RT	45		8706		OMPI BAZAR	23°41'14.11"	91°38'7.356"	
253		AP-226	**	SP+4	05°09'03"LT	29	29	8735	ROAD, 11 KV LINE	OMPI BAZAR	23°41'14.92"	91°38'7.405"	
254		AP-227	GA-3	DP+0	20°28'20"RT	31	31	8766	VRD, 166KV LINE	OMPI BAZAR	23°41'15.8"	91°38'7.572"	
255	AP-128	AP-228	GA-3	DP+0	18°48'00"RT	32	32	8798		OMPI BAZAR	23°41'16.62"	91°38'8.093"	
256		AP-229	GA-2	SP+0	07°46'35"LT	45	45	8843		OMPI BAZAR	23°41'17.71"	91°38'9.459"	
257	AP-129	AP-230	GA-3	DP+0	29°27'30"LT	35	35	8878		OMPI BAZAR	23°41'18.36"	91°38'10.08"	
258		AP-231	GA-3	DP+0	37°39'56"RT	45	45	8923		OMPI BAZAR	23°41'19.83"	91°38'10.42"	
259	AP-130	AP-232	GA-3	DP+0	41°48'50"RT	25	25	8948		OMPI BAZAR	23°41'20.32"	91°38'11.05"	
260	AP-131	AP-233	GA-3	DP+0	26°12'13"RT	32	32	8980		OMPI BAZAR	23°41'20.2"	91°38'12.08"	
261	AP-132	AP-234	GA-3	DP+0	28°10'43"LT	35	35	9015		OMPI BAZAR	23°41'19.42"	91°38'13.07"	

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SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
											NORTHING	EASTING	
262		AP-235	GA-3	DP+0	40°14'11"LT	29	29	8044		OMPI BAZAR	23°41'19.83"	91°38'14.02"	
263	AP-133	AP-236	GA-2	SP+0	03°20'36"LT	45	45	9089		OMPI BAZAR	23°41'20.91"	91°38'15.39"	
264		236/1	GA-1	SP+0	Hold	45	90		ROAD	OMPI BAZAR			
265		AP-237	GA-2	SP+0	04°35'15"RT	45		9179		OMPI BAZAR	23°41'22.85"	91°38'17.56"	
266	AP-134	AP-238	GA-3	DP+0	23°34'08"RT	31	31	9210		OMPI BAZAR	23°41'21.41"	91°38'18.29"	
267		AP-239	GA-3	DP+0	30°51'03"LT	33	33	9243		OMPI BAZAR	23°41'21.68"	91°38'19.31"	
268	AP-135	AP-240	GA-3	DP+0	28°06'05"LT	35	35	9278		OMPI BAZAR	23°41'24.43"	91°38'20.08"	
269	AP-136	AP-241	GA-2	SP+0	09°44'10"LT	31	31	9309		OMPI BAZAR	23°41'25.25"	91°38'20.32"	
270		AP-242	GA-2	SP+0	Hold 07°41'46"LT	33	33	9342	ROAD	OMPI BAZAR	23°41'26.19"	91°38'20.42"	
271		AP-243	GA-3	DP+0	21°26'37"RT	35	35	9377		OMPI BAZAR	23°41'27.23"	91°38'20.37"	
272	AP-137	AP-244	GA-3	DP+0	45°26'29"RT	33	33	9410		OMPI BAZAR	23°41'28.14"	91°38'20.73"	
273	AP-138	AP-245	GA-3	DP+0	49°40'48"RT	34	34	9444		OMPI BAZAR	23°41'28.57"	91°38'21.7"	
274		AP-246	GA-3	DP+0	10°45'45"RT	33	33	9477		OMPI BAZAR	23°41'28.19"	91°38'22.62"	
275	AP-139	AP-247	G.A-04-1/2	FP+0	61°37'59"LT	31	31	9508		OMPI BAZAR	23°41'27.71"	91°38'23.37"	
276	AP-140	AP-248	GA-3	DP+0	26°01'47"LT	45	45	9553		OMPI BAZAR	23°41'28.51"	91°38'25.09"	
277		AP-249	GA-3	DP+0	24°22'32"RT	36	36	9588		OMPI BAZAR	23°41'29.1"	91°38'25.58"	
278	AP-141	AP-250	GA-3	DP+0	42°46'07"LT	30	30	9618		OMPI BAZAR	23°41'29.46"	91°38'26.45"	
279		AP-251	GA-2	SP+0	Hold 04°56'40"RT	28	28	9646	ROAD	OMPI BAZAR	23°41'30.21"	91°38'26.8"	
280		AP-252	GA-3	DP+0	05°11'50"RT	45	45	9691		OMPI BAZAR	23°41'31.38"	91°38'27.7"	
281	AP-142	AP-253	GA-3	DP+0	40°53'16"RT	36	36	9729		OMPI BAZAR	23°41'32.47"	91°38'28.29"	
282		AP-254	**	SP+4	Hold 09°04'55"RT	33	33	9762		OMPI BAZAR	23°41'32.74"	91°38'29.21"	

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DETAIL SURVEY POLE SECDULE

SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUML.TV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
											NORTHING	EASTING	
283	AP-143	AP-255	***	DP+4	19°54'38"RT	31	31	9793	11 KV LINE	OMPI BAZAR	23°41'32.84"	91°38'30.16"	
284	AP-144	AP-256	G.A-04-1/2	FP+0	67°39'39"LT	33	33	9826		OMPI BAZAR	23°41'32.62"	91°38'31.19"	
285	AP-145	AP-257	GA-3	DP+0	41°26'14"LT	41	41	9867		OMPI BAZAR	23°41'33.57"	91°38'31.92"	
286	AP-146	AP-258	GA-3	DP+0	12°54'27"LT	34	34	9901		OMPI BAZAR	23°41'34.58"	91°38'31.8"	
287		AP-259	***	DP+4	18°52'08"LT	28	28	9929		OMPI BAZAR	23°41'35.36"	91°38'31.51"	
288	AP-147	AP-260	****	FP+4	73°48'23"RT	29	29	9958	11 KV LINE	OMPI BAZAR	23°41'30.04"	91°38'30.94"	
289		AP-261	GA-3	DP+0	10°22'42"RT	32	32	9990	ROAD	OMPI BAZAR	23°41'36.79"	91°38'31.53"	
290	AP-148	AP-262	***	DP+4	25°58'35"LT	25	25	10015		OMPI BAZAR	23°41'37.28"	91°38'32.09"	
291		AP-263	**	SP+4	04°54'30"LT	32	32	10047	11 KV LINE	OMPI BAZAR	23°41'37.97"	91°38'32.37"	
292		AP-264	GA-3	DP+0	18°19'53"LT	45	45	10092		OMPI BAZAR	23°41'39.56"	91°38'32.85"	
293	AP-149	AP-265	GA-3	DP+0	21°06'46"LT	27	27	10119	ROAD	OMPI BAZAR	23°41'40.34"	91°38'32.8"	
294		AP-266	***	DP+4	32°48'41"LT	28	28	10147		OMPI BAZAR	23°41'41.09"	91°38'32.44"	
295	AP-150	AP-267	***	DP+4	42°40'04"RT	27	27	10174	11 KV LINE	OMPI BAZAR	23°41'41.54"	91°38'31.7"	
296		AP-268	GA-2	SP+0	04°09'24"LT	29	29	10203		OMPI BAZAR	23°41'42.35"	91°38'31.44"	
297	AP-151	AP-269	GA-3	DP+0	18°51'39"LT	30	30	10233		OMPI BAZAR	23°41'43.15"	91°38'31.11"	
298		AP-270	GA-3	DP+0	39°28'24"RT	35	35	10268		OMPI BAZAR	23°41'43.96"	91°38'30.4"	
299		270/1	GA-1	SP+0		38	74			OMPI BAZAR			
300	AP-152	AP-271	GA-3	DP+0	42°34'43"RT	36		10342		OMPI BAZAR	23°41'46.21"	91°38'30.41"	
301		AP-272	GA-2	SP+0	09°01'21"RT	45	45	10387		OMPI BAZAR	23°41'47.42"	91°38'31.61"	
302		AP-273	GA-2	SP+0	09°10'02"LT	35	35	10422	ROAD	OMPI BAZAR	23°41'48.08"	91°38'32.55"	
303	AP-153	AP-274	GA-3	DP+0	21°53'37"LT	25	25	10447		OMPI BAZAR	23°41'48.64"	91°38'33.11"	

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SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
											NORTHING	EASTING	
304		AP-275	GA-2	SP+0	04°51'59"LT	27	27	10474		OMPI BAZAR	23°41'49.39"	91°38'33.42"	
305	AP-154	AP-276	G.A-04-1/2	FP+0	75°59'07"RT	31	31	10505		OMPI BAZAR	23°41'50.27"	91°38'33.69"	
306		AP-277	GA-3	DP+0	25°06'34"LT	25	25	10530		OMPI BAZAR	23°41'50.24"	91°38'34.5"	
307	AP-155	AP-278	GA-3	DP+0	58°17'23"LT	28	28	10558	ROAD	OMPI BAZAR	23°41'50.57"	91°38'35.34"	
308	AP-156	AP-279	G.A-04-1/2	FP+0	64°27'58"LT	27	27	10585	ROAD	OMPI BAZAR	23°41'51.39"	91°38'35.48"	
309	AP-157	AP-280	GA-2	SP+0	07°21'47"RT	44	44	10629		OMPI BAZAR	23°41'52.32"	91°38'33.99"	
310		AP-281	GA-3	DP+0	27°12'22"RT	34	34	10663		OMPI BAZAR	23°41'52.9"	91°38'33.27"	
311		AP-282	GA-2	SP+0	03°03'44"RT	45	45	10708		OMPI BAZAR	23°41'54.52"	91°38'32.59"	
312		AP-283	GA-2	SP+0	01°54'33"LT	45	45	10753		OMPI BAZAR	23°41'55.33"	91°38'32.29"	
313	AP-158	AP-284	GA-3	DP+0	58°34'40"LT	45	45	10798		OMPI BAZAR	23°41'57.14"	91°38'31.57"	
314		AP-285	GA-3	DP+0	10°01'59"RT	27	27	10825	ROAD	OMPI BAZAR	23°41'57.3"	91°38'30.72"	
315	AP-159	AP-286	**	SP+4	09°27'09"RT	41	41	10866	ROAD	OMPI BAZAR	23°41'57.61"	91°38'29.83"	
316	AP-160	AP-287	***	DP+4	30°42'35"RT	45	45	10911	ROAD, 11 KV LINE	OMPI BAZAR	23°41'58.41"	91°38'27.96"	
317		AP-288	***	DP+4	14°02'10"RT	27	27	10938		OMPI BAZAR	23°41'59.19"	91°38'27.38"	
318	AP-161	AP-289	***	DP+4	26°33'54"LT	31	31	10969	11 KV LINE	OMPI BAZAR	23°42'0.103"	91°38'27.73"	
319	AP-162	AP-290	GA-2	SP+0	05°11'40"LT	45	45	11014		OMPI BAZAR	23°42'1.527"	91°38'26.99"	
320		AP-291	GA-3	DP+0	14°30'49"LT	28	28	11042		OMPI BAZAR	23°42'2.205"	91°38'26.47"	
321		AP-292	GA-3	DP+0	38°48'39"RT	36	36	11077		OMPI BAZAR	23°42'2.913"	91°38'25.65"	
322	AP-163	AP-293	GA-3	DP+0	15°09'40"LT	27	27	11104		OMPI BAZAR	23°42'3.692"	91°38'25.5"	
323	AP-164	AP-294	GA-3	DP+0	50°11'01"RT	29	29	11133		OMPI BAZAR	23°42'4.469"	91°38'25.1"	
324		AP-295	GA-3	DP+0	14°22'35"RT	27	27	11160	ROAD	OMPI BAZAR	23°42'5.22"	91°38'25.48"	
						45	45						

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SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUML.TV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
											NORTHING	EASTING	
325	AP-165	AP-296	GA-3	DP+0	14°31'33"RT			11205		OMPI BAZAR	23°42'6.629"	91°38'26.74"	
						37	37						
326		AP-297	GA-3	DP+0	21°00'12"RT			11242		OMPI BAZAR	23°42'7.123"	91°38'27.48"	
						31	31		ROAD				
327		AP-298	GA-3	DP+0	25°25'12"RT			11273		OMPI BAZAR	23°42'7.359"	91°38'28.43"	
						29	29						
328		AP-299	GA-3	DP+0	29°51'21"LT			11302		OMPI BAZAR	23°42'7.205"	91°38'29.35"	
						36	36						
329	AP-166	AP-300	GA-2	SP+0	06°40'14"LT			11338		OMPI BAZAR	23°42'7.572"	91°38'30.47"	
						31	31						
330		AP-301	GA-3	DP+0	36°14'42"LT			11369		OMPI BAZAR	23°42'7.97"	91°38'31.35"	
						45	45						
331		AP-302	GA-2	SP+0	03°37'51"RT			11414		OMPI BAZAR	23°42'9.636"	91°38'32.22"	
						36	36						
332	AP-167	AP-303	GA-3	DP+0	44°21'57"LT			11450		OMPI BAZAR	23°42'10.32"	91°38'32.63"	
						25	25						
333	AP-168	AP-304	GA-2	SP+0	01°39'05"RT			11475		OMPI BAZAR	23°42'11.06"	91°38'32.41"	
						32	32						
334		AP-305	GA-2	SP+0	06°34'55"LT			11507		OMPI BAZAR	23°42'11.97"	91°38'32.16"	
						39	118						
335		305/1	GA-1	SP+0						OMPI BAZAR			
						40							
336		305/2	GA-1	SP+0						OMPI BAZAR			
						39							
337		AP-306	GA-3	DP+0	14°55'10"LT			11625		OMPI BAZAR	23°42'15.34"	91°38'30.78"	
						28	28						
338		AP-307	GA-3	DP+0	30°18'57"RT			11653		OMPI BAZAR	23°42'15.92"	91°38'30.25"	
						25	25						
339	AP-169	AP-308	GA-3	DP+0	58°47'11"RT			11678		OMPI BAZAR	23°42'16.63"	91°38'30.03"	
						31	31		ROAD				
340	AP-170	AP-309	**	SP+4	06°28'09"LT			11709		OMPI BAZAR	23°42'17.29"	91°38'30.69"	
						31	31		11 KV LINE				
341	AP-171	AP-310	***	DP+4	14°25'04"LT			11740		OMPI BAZAR	23°42'18.04"	91°38'31.32"	
						45	45						
342		AP-311	GA-3	DP+0	10°49'30"LT			11785		OMPI BAZAR	23°42'19.61"	91°38'32.04"	
						30	30						
343	AP-172	AP-312	GA-3	DP+0	28°50'05"LT			11815		OMPI BAZAR	23°42'20.33"	91°38'32.21"	
						31	31						
344	AP-173	AP-313	GA-3	DP+0	24°53'58"RT			11846		OMPI BAZAR	23°42'21.34"	91°38'31.93"	
						25	25						
345		AP-314	GA-3	DP+0	29°10'59"RT			11871		OMPI BAZAR	23°42'21.95"	91°38'32.16"	
						29	29						
346		AP-315	GA-3	DP+0	33°14'28"LT			11900		OMPI BAZAR	23°42'22.61"	91°38'32.79"	

pls see the enclosure page no - 24/24

DETAIL SURVEY POLE SECDULE

LINK NAME:-CHECHUA TO TAIDU

SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTY. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
											NORTHING	EASTING	
347	AP-174	AP-316	GA-3	DP+0	41°08'11"RT	28	28	11928		OMPI BAZAR	23°42'23.45"	91°38'33.92"	
348	AP-175	AP-317	***	DP+4	44°24'24"LT	27	27	11955		OMPI BAZAR	23°42'23.98"	91°38'33.59"	
349	AP-176	AP-318	**	SP+4	05°32'55"RT	42	42	11997	ROAD, 11 KV LINE	OMPI BAZAR	23°42'25.67"	91°38'33.75"	
350		AP-319	GA-3	DP+0	53°36'35"RT	42	42	12039	ROAD	OMPI BAZAR	23°42'27.01"	91°38'34.01"	
351		319/1	GA-1	SP+0	Hold	29	60			OMPI BAZAR			
352		AP-320	GA-2	SP+0	03°15'55"RT	31		12099	ROAD	OMPI BAZAR	23°42'27.87"	91°38'35.95"	
353	AP-177	AP-321	GA-3	DP+0	46°09'45"LT	45	45	12144	ROAD	OMPI BAZAR	23°42'28.44"	91°38'37.42"	
354		AP-322	GA-2	SP+0	06°38'29"RT	28	28	12172		OMPI BAZAR	23°42'29.25"	91°38'37.77"	
355	AP-178	AP-323	GA-2	SP+0	03°49'10"LT	28	28	12200		OMPI BAZAR	23°42'30.04"	91°38'38.22"	
356		AP-324	***	DP+4	22°19'59"LT	27	27	12227	ROAD	OMPI BAZAR	23°42'30.82"	91°38'38.6"	
357		AP-325	***	DP+4	Hold 38°04'26"RT	28	28	12255	LT LINE	OMPI BAZAR	23°42'31.63"	91°38'38.63"	
358	AP-179	AP-326	GA-3	DP+0	17°37'48"RT	27	27	12280		OMPI BAZAR	23°42'32.29"	91°38'39.22"	
359		AP-327	GA-3	DP+0	17°12'31"RT	38	38	12318		OMPI BAZAR	23°42'32.78"	91°38'40.06"	
360		AP-328	GA-3	DP+0	10°45'48"LT	45	45	12363		TOICHOKMA	23°42'33.25"	91°38'41.93"	
361	AP-180	AP-329	GA-3	DP+0	18°40'34"LT	37	37	12400		TOICHOKMA	23°42'33.63"	91°38'42.74"	
362		AP-330	GA-2	SP+0	Hold 03°52'16"RT	42	42	12442	66KV LINE	TOICHOKMA	23°42'34.83"	91°38'44.07"	
363		AP-331	GA-3	DP+0	42°47'34"LT	45	45	12487		TOICHOKMA	23°42'35.95"	91°38'45.47"	
364	AP-181	AP-332	GA-2	SP+0	03°58'40"LT	31	31	12518		TOICHOKMA	23°42'36.77"	91°38'45.57"	
365	AP-182	AP-333	GA-3	DP+0	40°06'40"RT	23	23	12541		TOICHOKMA	23°42'37.42"	91°38'45.59"	
366		AP-334	GA-3	DP+0	Hold 38°42'43"RT	24	24	12565	ROAD	TOICHOKMA	23°42'37.91"	91°38'46.08"	
367		AP-335	GA-3	DP+0	47°10'29"LT	27	27	12592		TOICHOKMA	23°42'38.14"	91°38'46.91"	
						30							

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SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUML.TV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
											NORTHING	EASTING	
368	AP-183	AP-336	GA-3	DP+0	47°07'16"LT			12622		TOICHOKMA	23°42'38.93"	91°38'47.34"	
						29	29						
369		AP-337	GA-3	DP+0	42°21'27"RT			12651		TOICHOKMA	23°42'39.7"	91°38'47.02"	
						30	30						
370	AP-184	AP-338	GA-3	DP+0	17°11'23"RT			12681		TOICHOKMA	23°42'40.52"	91°38'47.36"	
						31	31						
371	AP-185	AP-339	GA-3	DP+0	36°23'16"LT			12712		TOICHOKMA	23°42'41.21"	91°38'47.96"	
						45	45						
372	AP-186	AP-340	GA-3	DP+0	50°05'37"RT			12757		TOICHOKMA	23°42'42.64"	91°38'48.01"	
						29	29						
373	AP-187	AP-341	GA-3	DP+0	51°39'54"LT			12786		TOICHOKMA	23°42'43.17"	91°38'48.75"	
						42	42		ROAD				
374	AP-188	AP-342	G.A-04-1/2	FP+0	88°42'56"RT			12828		TOICHOKMA	23°42'44.89"	91°38'48.77"	
						35	67						
375		342/1	GA-1	SP+0						TOICHOKMA			
						32			ROAD				
376	AP-189	AP-343	G.A-04-1/2	FP+0	83°28'50"LT			12895		TOICHOKMA	23°42'45.55"	91°38'50.49"	
						42	42		ROAD				
377	AP-190	AP-344	G.A-04-1/2	FP+0	65°30'18"RT			12937		TOICHOKMA	23°42'47.28"	91°38'50.61"	
						27	27						
378	AP-191	AP-345	GA-3	DP+0	49°47'01"LT			12964		TOICHOKMA	23°42'47.55"	91°38'51.42"	
						36	36						
379		AP-346	**	SP+4	02°36'09"LT			13000		TOICHOKMA	23°42'48.39"	91°38'51.77"	
						42	42		ROAD, 11 KV LINE				
380	AP-192	AP-347	***	DP+4	57°29'32"LT			13042		TOICHOKMA	23°42'49.96"	91°38'52.31"	
						29	29						
381	AP-193	AP-348	***	DP+4	44°40'08"LT			13071		TOICHOKMA	23°42'50.54"	91°38'51.71"	
						29	29		11 KV LINE				
382		AP-349	****	FP+4	81°51'30"RT			13100		TOICHOKMA	23°42'50.73"	91°38'50.75"	
						28	28						
383	AP-194	AP-350	GA-2	SP+0	08°18'21"RT			13128		TOICHOKMA	23°42'51.54"	91°38'50.39"	
						30	30						
384		AP-351	GA-3	DP+0	31°00'08"LT			13158		TOICHOKMA	23°42'52.41"	91°38'50.17"	
						30	30		66 KV LINE				
385	AP-195	AP-352	GA-3	DP+0	21°43'47"RT			13188		TOICHOKMA	23°42'53.06"	91°38'49.49"	
						29	29						
386	AP-196	AP-353	GA-3	DP+0	38°02'42"RT			13217		TOICHOKMA	23°42'53.86"	91°38'49.13"	
						28	28						
387	AP-197	AP-354	***	DP+4	27°47'41"LT			13245		TOICHOKMA	23°42'54.85"	91°38'49.37"	
						45	45		11 KV LINE				
388	AP-198	AP-355	***	DP+4	16°55'26"LT			13290		TOICHOKMA	23°42'56.24"	91°38'49"	
						45	45						
389		AP-356	GA-2	SP+0	06°11'06"LT			13335		TOICHOKMA	23°42'57.96"	91°38'49.16"	

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SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) NORTHING	GPS CO-ORDINATE(WGS-84) EASTING	REMARKS
390	AP-199	AP-357	***	DP+4	23°51'58"RT	42	42	13377		TSR CAMP	23°42'59.52"	91°38'49.11"	
391		AP-358	****	FP+4	66°55'40"RT	38	38	13416	11 KV LINE	TSR CAMP	23°43'0.114"	91°38'49.39"	
392		AP-359	GA-3	DP+0	15°04'07"LT	30	30	13445	ROAD, 66 KV LINE	TSR CAMP	23°43'0.122"	91°38'50.34"	
393	AP-201	AP-360	G.A-04-1/2	FP+0	68°35'29"LT	30	30	13475	ROAD	TSR CAMP	23°43'0.358"	91°38'51.25"	
394	AP-202	AP-361	GA-3	DP+0	25°26'01"LT	29	29	13504		TSR CAMP	23°43'1.236"	91°38'51.35"	
395		AP-362	GA-3	DP+0	34°22'40"LT	28	28	13532		TSR CAMP	23°43'2.079"	91°38'51.02"	
396	AP-203	AP-363	***	DP+4	32°26'01"RT	34	34	13566	ROAD, 66 KV LINE	TSR CAMP	23°43'2.721"	91°38'50.06"	
397	AP-204	AP-364	***	DP+4	38°40'42"RT	30	30	13596	11 KV LINE	TSR CAMP	23°43'3.563"	91°38'49.7"	
398		AP-365	***	DP+4	35°22'00"RT	28	28	13624	ROAD	TSR CAMP	23°43'4.378"	91°38'49.94"	
399		AP-366	**	SP+4	06°00'32"LT	29	29	13653	11 KV LINE	TSR CAMP	23°43'4.937"	91°38'50.68"	
400	AP-205	AP-367	GA-3	DP+0	14°25'18"LT	29	29	13682	66 KV LINE	TSR CAMP	23°43'5.56"	91°38'51.34"	
401		AP-368	GA-2	SP+0	08°46'40"LT	28	28	13710		TSR CAMP	23°43'6.279"	91°38'51.79"	
402	AP-206	AP-369	GA-3	DP+0	20°41'50"LT	33	33	13743		TSR CAMP	23°43'7.095"	91°38'52.14"	
403	AP-207	AP-370	**	SP+4	06°29'35"RT	45	45	13788		TSR CAMP	23°43'8.786"	91°38'52.16"	
404		AP-371	****	FP+4	67°39'42"RT	45	45	13833	ROAD, 2 NOS LT LINE	TSR CAMP	23°43'10.25"	91°38'52.35"	
405	AP-208	AP-372	**	SP+4	04°47'35"LT	41	41	13874	ROAD, LT LINE	TSR CAMP	23°43'10.58"	91°38'53.69"	
406		AP-373	GA-3	DP+0	19°07'23"LT	35	35	13909		TSR CAMP	23°43'10.95"	91°38'54.78"	
407	AP-209	AP-374	GA-2	SP+0	09°12'09"LT	28	28	13937		TSR CAMP	23°43'11.48"	91°38'55.48"	
408	AP-201	AP-375	GA-3	DP+0	48°28'40"LT	30	30	13967		TSR CAMP	23°43'12.16"	91°38'56.15"	
409	AP-211	AP-376	G.A-04-1/2	FP+0	60°13'52"LT	30	30	13997		TSR CAMP	23°43'13.04"	91°38'56.03"	
410		AP-377	GA-3	DP+0	12°56'14"LT	35	35	14032	ROAD	TSR CAMP	23°43'13.46"	91°38'54.97"	
						30	30						

Hold

Hold

Hold

Hold

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DETAIL SURVEY POLE SECDULE

LINE NAME:-CHECHUA TO TAIDU

SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
											NORTHING	EASTING	
411		AP-378	GA-3	DP+0	31°36'45"RT			14062		TSR CAMP	23°43'33.61"	91°38'54.03"	
						30	30						
412	AP-212	AP-379	GA-2	SP+0	05°03'54"RT			14092		TSR CAMP	23°43'34.22"	91°38'53.27"	
						39	39						
413		AP-380	GA-2	SP+0	03°40'17"LT			14131			23°43'35.09"	91°38'52.37"	
						30	30						
414		AP-381	GA-3	DP+0	15°08'24"RT			14161		TAIDU	23°43'35.7"	91°38'51.65"	
						31	31						
415	AP-213	AP-382	***	DP+4	13°35'02"RT			14192		TAIDU	23°43'36.45"	91°38'51.16"	
						43	43		ROAD, LT LINE				
416	AP-215	AP-383	***	DP+4	12°02'09"RT			14235		TAIDU	23°43'38.07"	91°38'50.58"	
						45	67						
417		383/1	GA-1	SP+0						TAIDU			
						42			ROAD				
418	AP-217	AP-384	GA-3	DP+0	22°06'27"LT			14322		TAIDU	23°43'20.01"	91°38'50.35"	
						45	45						
419		AP-385	GA-2	SP+0	07°14'43"RT			14367		TAIDU	23°43'21.79"	91°38'49.3"	
						29	29		ROAD				
420	AP-219	AP-386	GA-2	SP+0	09°40'14"RT			14396		TAIDU	23°43'22.57"	91°38'48.98"	
						28	28						
421		AP-387	GA-3	DP+0	22°11'44"RT			14424		TAIDU	23°43'23.41"	91°38'48.79"	
						28	28						
422	AP-219	AP-388	GA-3	DP+0	22°24'13"LT			14452		TAIDU	23°43'24.23"	91°38'48.96"	
						42	42						
423		AP-389	GA-3	DP+0	13°55'23"LT			14494		TAIDU	23°43'25.88"	91°38'48.59"	
						42	42						
424		AP-390	GA-3	DP+0	26°07'07"RT			14536		TAIDU	23°43'26.85"	91°38'48.09"	
						38	38						
425	AP-220	AP-391	GA-3	DP+0	51°34'45"LT			14574		TAIDU	23°43'28.55"	91°38'48.1"	
						45	45						
426	AP-221	AP-392	GA-3	DP+0	33°24'26"LT			14619		TAIDU	23°43'29.61"	91°38'46.68"	
						40	40						
427		AP-393	GA-3	DP+0	10°08'41"RT			14659		TAIDU	23°43'29.48"	91°38'45.68"	
						27	27						
428	AP-222	AP-394	GA-3	DP+0	18°07'13"RT			14686		TAIDU	23°43'29.91"	91°38'44.84"	
						25	25						
429		AP-395	GA-3	DP+0	23°36'51"RT			14711		TAIDU	23°43'30.33"	91°38'44.16"	
						30	30		ROAD				
430		AP-396	***	DP+4	33°41'24"RT			14741		TAIDU	23°43'31.11"	91°38'43.61"	
						35	35		LT LINE				
431	AP-223	AP-397	***	DP+4	34°42'31"LT			14776		TAIDU	23°43'32.21"	91°38'43.65"	
						25	25						
432		AP-398	GA-2	SP+0	02°03'36"RT			14801		TAIDU	23°43'32.96"	91°38'43.13"	
						30	30						
433	AP-224	AP-399	GA-3	DP+0	38°28'49"LT			14831		TAIDU	23°43'33.67"	91°38'42.66"	
						29							

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SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUM.LTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
											NORTHING	EASTING	
434	AP-225	AP-400	GA-2	SP+0	06°00'32"RT			14860		TAIDU	23°43'33.95"	91°38'41.8"	
						30	30		ROAD				
435	AP-226	AP-401	GA-3	DP+0	20°45'32"RT			14890		TAIDU	23°43'34.33"	91°38'40.95"	
						41	41						
436	AP-227	AP-402	GA-3	DP+0	17°30'30"RT			14931		TAIDU	23°43'35.59"	91°38'39.66"	
						33	33						
437		AP-403	***	DP+4	22°59'55"RT			14964		TAIDU	23°43'36.14"	91°38'39.37"	
						28	28		LT LINE				
438		AP-404	***	DP+4	10°47'31"LT			14992		TAIDU	23°43'36.99"	91°38'39.33"	
						41	83		11 KV LINE				
439		404/1	*	SP+4						TAIDU			
						42							
440		AP-405	GA-3	DP+0	11°37'44"LT			15075		TAIDU	23°43'39.52"	91°38'38.67"	
						29	29		ROAD				
441	AP-229	AP-406	GA-3	DP+0	24°37'25"RT			15104		TAIDU	23°43'40.29"	91°38'38.27"	
						24	24						
442	AP-230	AP-407	***	DP+4	16°28'25"RT			15128		TAIDU	23°43'40.94"	91°38'38.26"	
						64	64		RIVER				
443	AP-231	AP-408	***	DP+4	04°10'32"LT			15192		TAIDU	23°43'42.93"	91°38'38.88"	

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SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
											NORTHING	EASTING	
444		AP-409	GA-3	DP+0	58°04'53"RT	27	27	15219		TAIDU	23°43'43.68"	91°38'39.05"	
445	AP-233	AP-410	GA-2	SP+0	05°21'47"LT	45	45	15264	ROAD	TAIDU	23°43'44.18"	91°38'40.53"	
446	AP-234	AP-411	GA-3	DP+0	10°58'50"RT	33	33	15297		TAIDU	23°43'44.65"	91°38'41.58"	
447		AP-412	GA-2	SP+0	02°13'25"LT	27	27	15324		TAIDU	23°43'44.85"	91°38'42.43"	
448	AP-235	AP-413	GA-2	SP+0	05°54'22"LT	27	27	15351		TAIDU	23°43'45.08"	91°38'43.27"	
449		AP-414	GA-2	SP+0	05°14'20"RT	31	31	15382		TAIDU	23°43'45.45"	91°38'44.22"	
450		AP-415	GA-2	SP+0	04°23'55"RT	25	25	15407		TAIDU	23°43'45.68"	91°38'45.03"	
451		AP-416	***	DP+4	20°22'35"LT	29	29	15436		TAIDU	23°43'45.89"	91°38'45.98"	
452		AP-417	**	SP+4	08°56'34"RT	23	23	15459	LT LINE	TAIDU	23°43'46.25"	91°38'46.58"	
453	AP-236	AP-418	GA-3	DP+0	16°51'09"LT	32	32	15491		TAIDU	23°43'46.65"	91°38'47.53"	
454	AP-237	AP-419	GA-3	DP+0	25°26'08"LT	30	30	15521		TAIDU	23°43'47.27"	91°38'48.3"	
455	AP-238	AP-420	GA-2	SP+0	03°48'12"RT	30	30	15551	ROAD	TAIDU	23°43'48.09"	91°38'48.68"	
456		AP-421	GA-2	SP+0	03°01'35"RT	29	29	15580		TAIDU	23°43'48.84"	91°38'49.09"	
457	AP-240	AP-422	GA-3	DP+0	06°43'29"RT	45	45	15625		TAIDU	23°43'50.28"	91°38'50"	
458		AP-423	GA-3	DP+0	25°23'47"RT	33	33	15658		TAIDU	23°43'50.97"	91°38'50.56"	
459		AP-424	GA-3	SP+01	01°36'36"LT	37	37	15695	66 KV LINE	TAIDU	23°43'51.5"	91°38'51.64"	
460		424/5	GA-1	SP+0		40	80			TAIDU			
461	AP-241	AP-425	**	SP+4	06°37'43"LT	40		15775		TAIDU	23°43'52.72"	91°38'54"	
462	AP-242	AP-426	***	DP+4	25°39'06"LT	29	29	15804	11 KV, LT LINE	TAIDU	23°43'53.21"	91°38'54.73"	
463		AP-427	GA-3	DP+0	32°45'22"LT	25	25	15829		TAIDU	23°43'53.87"	91°38'55.12"	
464	AP-243	AP-428	GA-2	SP+0	05°20'53"LT	40	40	15869		TAIDU	23°43'54.81"	91°38'55.04"	
465	AP-244	AP-429	***	DP+4	20°36'12"RT	45	45	15914		TAIDU	23°43'56.6"	91°38'54.7"	
466	AP-245	AP-430	**	SP+4	07°07'30"RT	42	42	15956	LT LINE	TAIDU	23°43'58.71"	91°38'55.14"	

* Pole schedule with normal pole height (+0m) which are within the permissible limit of angle of deviation within the permissible max span limit is approved.
Put on Hold:- i) Pole with Extension ii) Pole with angle of deviation above the permissible limit iii) Individual span above the max permissible limit iv) All powerline crossing, Wire crossing, NH/Road crossing detail profile to be submitted.
* Request for resubmission after incorporation of above comment.
* AP number are not matching with the preliminary survey
* Pole number shown is not correct

SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
											NORTHING	EASTING	
467		AP-431	***	DP+4	21°54'11"LT	41	41	15997		TAIDU	23°43'59.49"	91°38'55.41"	
468		AP-432	***	DP+4	13°13'52"LT	42	42	16039	LT LINE	TAIDU	23°44'0.572"	91°38'55.31"	
469		AP-433	GA-3	DP+0	40°16'37"LT	23	23	16062		TAIDU	23°44'1.22"	91°38'55.11"	
470		AP-434	***	DP+4	55°05'30"LT	25	25	16087		TAIDU	23°44'1.836"	91°38'54.4"	
471		434/1	*	SP+4		40	80		LT LINE	TAIDU			
472		AP-435	GA-3	DP+0	56°26'54"RT	40		16167	66 KV LINE	TAIDU	23°44'0.638"	91°38'51.8"	
473	AP-247	AP-436	GA-3	DP+0	18°44'59"RT	23	23	16190	NALA	TAIDU	23°44'1.055"	91°38'51.12"	
474	AP-248	AP-437	G.A.04-1/2	FP+0	00°00'00"	25	25	16215		TAIDU s/s	23°44'1.7"	91°38'50.59"	

Hold

Hold

उत्तम देवनाथ/UTTAM DEBNATH
उप प्रबंधक/DY. MANAGER
पॉवरग्रिड/POWERGRID
उ.पू.क्षे., अगरतला/NER, Agartala

फील्ड सुपरवाईजर/FIELD SUPERVISOR
पॉवरग्रिड/POWERGRID
उ.पू.क्षे., अगरतला/NER, Agartala.

उप. महाप्रबंधक/Dy. General Manager
पॉवरग्रिड/POWERGRID
उ.पू.क्षे., अगरतला/NER, Agartala.

TECHNOFAB ENGINEERING LIMITED

SUBMITTED BY
TECHNOFAB

LINK NAME :-TELIAMURA EXISTING 132/33 KV S/S TO TAIDU				
Sl. No.	**Description**	**Unit**	**Quantity**	**Remarks**
A	*Pole height*			
1	0 Extenion	709		
2	2 m extension	**11**		
3	4 m extension	30		
B	*Crossings*			
1	11 KV Crossing	14		
2	NH Crossing			
3	33 KV Crossing			
4	LT LINE	16		
C	*River Crossing*			
D	*Road Crossing*	66		
E	*Span voilation*	52		
	angle voilation			

Note: We have approved 12 M pole drawing (0 M extension) and we have proposed 14M&16 M

TECHNOPAB ENGINEERING LIMITED TRIPURA

POLE SUMMARY DETAILS

Tripura State Associated with NER Power System Improvement Project (DMS PACKAGE 04)

CC-CS/86-NER/REW-2987/1/G2/NOA - I & II / 7147 & 7148 Dated- 20/01/2017

LINK NAME :-TELIAMURA EXISTING 132/33 KV S/S TO TAIDU

TOTAL LINE LENGTH - 13.401KM

SL NO.	TYPE OF POLE	EXT	POLE QT.	12 (M)	14 (M)	16 (M)
1	SP (G.A.- 01)	0	36	36		
2		2	2		2	
3		4	0			
4	SP(G.A.- 02)	0	91	91		
5		2	3		3	
6		4	2			2
7	DP(G.A.-03)	0	259	518		
8		2	3		6	
9		4	12			24
10	FP(G.A.-04)	0	16	64		
11		2	0			
12		4	1			4
	TOTAL			**709**	**11**	**30**

TECHNOFAB ENGINEERING LIMITED TRIPURA

01 - 32
02 - 99
03 - 116
04 - 09

OWNER:-T.S.E.C.L
CLIENT:-PGCL

DETAIL SURVEY POLE SECDULE

LINK NAME:-TELIAMURA EXISTING 132/33 KV S/S TO TAIDU

SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	EXT. OF MTR.	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												NORTHING	EASTING	
1	AP-1	AP-1	GA - 4	FP+0		00°00'00"					TELIAMURA S/S	23°49'34.4"	91°38'30.38"	
							22							
2	AP-2	AP-2	****	FP+4	4	78°48'34"LT		22	22		TELIAMURA	23°49'34.46"	91°38'29.58"	
							28							
3		AP-3	***	DP+4	4	20°24'36"LT		28	50		TELIAMURA	23°49'33.58"	91°38'29.27"	
							29			11 KV LINE				
4		AP-4	**	SP+4	4	07°29'15"LT		29	79		TELIAMURA	23°49'32.63"	91°38'29.31"	
							12			11 KV, ROAD				
5	AP-3	AP-5	GA -3	DP+0		13°09'27"LT		12	91		TELIAMURA	23°49'32.24"	91°38'29.99"	
							52							
6	AP-5	AP-6	**	SP+4	4	07°05'45"RT		52	143		TELIAMURA	23°49'30.69"	91°38'30.11"	
							19			LT LINE				
7	AP-6	AP-7	GA -3	DP+0		37°54'15"RT		19	162		TELIAMURA	23°49'30.11"	91°38'30.29"	
							18							
8		AP-8	GA -2	SP+0		03°23'21"RT		18	180		TELIAMURA	23°49'29.55"	91°38'30.05"	
							32							
9		AP-9	GA -2	SP+0		05°59'25"RT		32	212		TELIAMURA	23°49'28.6"	91°38'29.57"	
							25							
10		AP-10	**	SP+4	4	05°11'40"LT		25	237		TELIAMURA	23°49'27.92"	91°38'29.12"	
							27			LT LINE				
11	AP-7	AP-11	GA -3	DP+0		22°28'48"LT		27	264		TELIAMURA	23°49'27.13"	91°38'28.7"	
							28							
12		AP-12	GA -3	DP+0		13°39'33"RT		28	292		TELIAMURA	23°49'26.22"	91°38'28.64"	
							26			ROAD				
13	AP-8	AP-13	GA -3	DP+0		11°06'40"RT		26	318		TELIAMURA	23°49'25.41"	91°38'28.36"	
							56							
14	AP-9	AP-14	GA -3	DP+0		13°16'55"RT		56	374		TELIAMURA	23°49'23.81"	91°38'27.43"	
							57							
15	AP-10	AP-15	**	SP+4	4	03°08'48"LT		57	431		TELIAMURA	23°49'22.43"	91°38'26.1"	
							27			ROAD, LT LINE				
16		AP-16	GA - 4	FP+0		67°36'05"LT		27	458		TELIAMURA	23°49'21.74"	91°38'25.5"	
							25			ROAD				
17	AP-11	AP-17	GA -2	SP+0		02°02'43"RT		25	483		BHUIRABDHAM	23°49'21.03"	91°38'25.94"	
							27							
18		AP-18	GA -3	DP+0		13°47'58"LT		27	510		BHUIRABDHAM	23°49'20.25"	91°38'26.37"	
							26			LT LINE				
19	AP-12	AP-19	***	DP+4	4	13°47'58"RT		26	536		BHUIRABDHAM	23°49'19.41"	91°38'26.98"	
							22							
20	AP-13	AP-20	GA -3	DP+0		57°08'36"RT		22	558		BHUIRABDHAM	23°49'18.96"	91°38'27.34"	
							26			ROAD				
21		AP-21	GA -3	DP+0		12°26'45"RT		26	584		BHUIRABDHAM	23°49'18.24"	91°38'26.88"	
							21							
22	AP-14	AP-22	GA -3	DP+0		29°57'16"RT		21	605		BHUIRABDHAM	23°49'17.75"	91°38'26.39"	
							51							

Plz see JL Consent Pap No-20/20

SUBMITTED BY
TECHNOFAB ENGINEERING LIMITED TRIPURA

फील्ड सुपरवाइजर/FIELD SUPERVISOR
पॉवरग्रिड/POWERGRID
उ.पू.क्षे., अगरतला/NER, Agartala

APPROVED BY

SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	EXT. OF MTR.	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												NORTHING	EASTING	
23	AP-15	AP-23	***	DP+4	4	48°45'06"LT		51	656		BHUIRABOHAM	23°49'17.25"	91°38'24.57"	
							22			ROAD, 11 KV LINE				
24		AP-24	GA.-3	DP+0		13°40'03"LT		22	678		BHUIRABOHAM	23°49'16.59"	91°38'24.36"	
							45							
25		AP-25	GA.-4	FP+0		64°09'17"LT		45	723		BHUIRABOHAM	23°49'15.16"	92°38'24.05"	
							21							
26	AP-16	AP-26	GA.-2	SP+0		06°52'04"RT		21	744		BHUIRABOHAM	23°49'14.74"	91°38'24.66"	
							32							
27	AP-17	AP-27	GA.-3	DP+0		25°17'31"RT		32	776		BHUIRABOHAM	23°49'14"	91°38'25.44"	
							22							
28		AP-28	GA.-3	DP+0		16°33'25"LT		22	798		BHUIRABOHAM	23°49'13.32"	91°38'25.7"	
							24							
29		AP-29	***	DP+4	4	21°29'47"RT		24	822		BHUIRABOHAM	23°49'12.68"	91°38'26.2"	
							26			ROAD, 11 KV LINE				
30		AP-30	GA.-3	DP+0		37°50'40"LT		26	848		BHUIRABOHAM	23°49'11.87"	91°38'26.42"	
							19							
31		AP-31	***	DP+4	4	22°34'21"RT		19	867		BHUIRABOHAM	23°49'11.48"	91°38'26.95"	
							58			11 KV LINE				
32		AP-32	GA.-3	DP+0		13°07'31"RT		58	925		BHUIRABOHAM	23°49'9.836"	91°38'27.96"	pls see the
							26							
33		AP-33	***	DP+4	4	19°43'40"RT		26	951		KHASIAMANGAL	23°49'9.025"	91°38'28.22"	Comment
							28			11 KV LINE				
34	AP-19	AP-34	GA.-3	DP+0		40°08'47"LT		28	979		KHASIAMANGAL	23°49'8.115"	91°38'28.18"	page no-20/20
							27			ROAD				
35	AP-20	AP-35	GA.-2	SP+0		01°50'51"LT		27	1006		KHASIAMANGAL	23°49'7.404"	91°38'28.73"	
							40							
36		35/1	GA.-1	SP+0							KHASIAMANGAL			
							40							
37	AP-21	AP-36	GA.-2	SP+0		00°34'55"LT		80	1086		KHASIAMANGAL	23°49'5.372"	91°38'30.48"	
							24							
38	AP-22	AP-37	GA.-3	DP+0		17°15'10"RT		24	1110		KHASIAMANGAL	23°49'4.759"	91°38'31.02"	
							28			400 KV LINE				
39		AP-38	GA.-3	DP+0		10°50'01"RT		28	1138		KHASIAMANGAL	23°49'3.917"	91°38'31.38"	
							51							
40		AP-39	GA.-2	SP+0		06°29'43"LT		51	1189		KHASIAMANGAL	23°49'2.294"	91°38'31.72"	
							31							
41		AP-40	GA.-3	DP+0		10°48'00"LT		31	1220		KHASIAMANGAL	23°49'1.322"	91°38'32.04"	
							41							
42		40/1	GA.-1	SP+0							KHASIAMANGAL			
							41							
43		AP-41	GA.-2	SP+0		03°27'53"LT		82	1302		KHASIAMANGAL	25°48'58.96"	91°38'33.41"	
							23							
44	24	AP-42	GA.-3	DP+0		14°02'10"LT		23	1325		KHASIAMANGAL	23°48'58.31"	91°38'33.84"	
							21			ROAD				

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TECHNOFAB ENGINEERING LIMITED TRIPURA

पावरग्रिड/POWERGRID
उ.पू.क्षे., अगरतला/NER, Agartala.

APPROVED BY

SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	EXT. OF MTR.	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) NORTHING	GPS CO-ORDINATE(WGS-84) EASTING	REMARKS
45	AP-25	AP-43	GA.-3	DP+0		12°59'41"LT		21	1346		KHASIAMANGAL	23°48'57.81"	91°38'34.38"	
							28							
46		AP-44	GA.-3	DP+0		16°10'28"RT		28	1374		KHASIAMANGAL	23°48'57.35"	91°38'35.21"	
							25							
47		AP-45	GA.-3	DP+0		46°13'08"RT		25	1399		KHASIAMANGAL	23°48'56.73"	91°38'35.84"	
							28							
48	AP-26	AP-46	GA.-2	SP+0		00°09'44"LT		26	1425		KHASIAMANGAL	23°48'55.89"	91°38'35.77"	
							27							
49	AP-27	AP-47	***	DP+4	4	36°31'24"LT		27	1452		KHASIAMANGAL	23°48'55.02"	91°38'35.71"	
							27			ROAD, 11 KV LINE				
50		AP-48	GA.-3	DP+0		15°54'27"LT		27	1479		KHASIAMANGAL	23°48'54.3"	91°38'36.25"	
							16			132 KV LINE				
51	AP-28	AP-49	GA.-3	DP+0		17°33'24"LT		16	1495		KHASIAMANGAL	23°48'53.98"	91°38'36.68"	
							24							
52	AP-29	AP-50	GA.-3	DP+0		10°16'33"RT		24	1519		KHASIAMANGAL	23°48'53.69"	91°38'37.46"	
							41							
53		50/1	GA.-1	SP+0							KHASIAMANGAL			
							41							
54		AP-51	GA.-3	DP+0		26°41'27"RT		82	1601		KHASIAMANGAL	23°48'52.28"	91°38'39.91"	
							55							
55	AP-31	AP-52	GA.-3	DP+0		30°09'40"LT		55	1656		KHASIAMANGAL	23°48'50.76"	91°38'40.92"	
							31							
56		AP-53	GA.-3	DP+0		16°03'36"LT		31	1687		KHASIAMANGAL	23°48'50.28"	91°38'41.88"	
							27							
57		AP-54	GA.-3	DP+0		57°12'23"RT		27	1714		KHASIAMANGAL	23°48'50.1"	91°38'42.8"	
							53							
58		AP-55	GA.-3	DP+0		13°53'28"LT		53	1767		KHASIAMANGAL	23°48'48.48"	91°38'43.45"	
							25							
59	AP-35	AP-56	***	DP+4	4	20°53'09"RT		25	1792		KHASIAMANGAL	23°48'47.8"	91°38'43.95"	
							23			11 KV LINE				
60		AP-57	GA.-3	DP+0		12°48'15"RT		23	1815		KHASIAMANGAL	23°48'47.09"	91°38'44.14"	
							21							
61		AP-58	GA.-2	SP+0		02°58'25"LT		21	1836		KHASIAMANGAL	23°48'46.4"	91°38'44.14"	
							39							
62		58/1	GA.-1	SP+0							KHASIAMANGAL			
							39							
63	AP-36	AP-59	GA.-3	DP+0		46°56'01"LT		78	1914		KHASIAMANGAL	23°48'43.9"	91°38'44.31"	
							35			VALLY				
64		AP-60	GA.-2	SP+0		09°27'44"LT		35	1949		KHASIAMANGAL	23°48'43.16"	91°38'45.27"	
							52							
65		AP-61	GA.-3	DP+0		38°54'00"RT		52	2001		KHASIAMANGAL	23°48'42.3"	91°38'46.87"	
							32			ROAD				
66	AP-38	AP-62	GA.-3	DP+0		10°28'35"LT		32	2033		KHASIAMANGAL	23°48'41.33"	91°38'47.27"	
							26							

Hold

Hold

Hold

Hold

Hold

Pls see the Comment page No-20/20

SUBMITTED BY
TECHNOFAB

TECHNOFAB ENGINEERING LIMITED TRIPURA

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SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	EXT. OF MTR.	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUML.TV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) NORTHING	GPS CO-ORDINATE(WGS-84) EASTING	REMARKS
67	AP-38	AP-63	GA.-3	DP+0		19°19'12"LT		26	2059	DAYARAM PARA	KHASIAMANGAL	23°48'40.62"	91°38'47.74"	
							25							
68		AP-64	GA.-3	DP+0		14°27'38"LT		25	2084		KHASIAMANGAL	23°48'40.1"	91°38'48.41"	
							55							
69		AP-65	GA.-2	SP+0		03°36'28"RT		55	2139		KHASIAMANGAL	23°48'39.54"	91°38'50.19"	
							29							
70	AP-40	AP-66	GA.-3	DP+0		11°21'09"RT		29	2168		KHASIAMANGAL	23°48'38.89"	91°38'51.08"	
							46							
71		AP-67	GA.-2	SP+0		03°02'44"RT		46	2214		KHASIAMANGAL	23°48'37.92"	91°38'52.32"	
							45			LT LINE				
72		67/1	*	SP+4	4						KHASIAMANGAL			
							45							
73	AP-41	AP-68	GA.-2	SP+0		06°49'37"LT		90	2304		KHASIAMANGAL	23°48'35.93"	91°38'54.64"	
							25			ROAD, 11 KV LINE				
74		AP-69	GA.-3	DP+0		45°32'08"RT		25	2329		KHASIAMANGAL	23°48'35.45"	91°38'55.35"	
							15							
75	AP-42	AP-70	GA.-2	SP+0		04°13'41"RT		15	2344		KHASIAMANGAL	23°48'34.96"	91°38'55.63"	
							34			LT LINE				
76	AP-43	AP-71	GA.-2	SP+0		08°22'32"RT		34	2378		KHASIAMANGAL	23°48'33.86"	91°38'55.51"	
							61			LT LINE				
77		AP-72	GA.-3	DP+0		44°31'07"RT		61	2439		KHASIAMANGAL	23°48'33.24"	91°38'55.44"	
							22			ROAD, 11 KV LINE				
78		AP-73	***	DP+4	4	56°52'04"LT		22	2461		KHASIAMANGAL	23°48'32.78"	91°38'54.85"	
							27			ROAD, LT LINE				
79		AP-74	GA.-3	DP+0		25°26'01"RT		27	2488		KHASIAMANGAL	23°48'31.9"	91°38'54.96"	
							28							
80	AP-44	AP-75	GA.-3	DP+0		14°35'48"RT		28	2516		KHASIAMANGAL	23°48'31.05"	91°38'54.65"	
							25							
81	AP-45	AP-76	***	DP+4	4	12°46'43"RT		25	2541		KHASIAMANGAL	23°48'30.37"	91°38'54.17"	
							28			11 KV, LT LINE				
82		AP-77	GA.-3	DP+0		33°28'27"LT		28	2569		KHASIAMANGAL	23°48'29.74"	91°38'53.47"	
							27							
83		AP-78	GA.-2	SP+0		04°06'29"RT		27	2596		KHASIAMANGAL	23°48'28.9"	91°38'53.26"	
							27							
84		AP-79	GA.-3	DP+0		18°55'29"RT		27	2623		KHASIAMANGAL	23°48'28.05"	91°38'52.99"	
							27			11 KV				
85	AP-46	AP-80	GA.-2	SP+0		03°46'42"RT		27	2650		KHASIAMANGAL	23°48'27.33"	91°38'52.43"	
							23							
86	AP-47	AP-81	GA.-2	SP+0		06°25'01"LT		23	2673		KHASIAMANGAL	23°48'26.74"	91°38'51.91"	
							53							
87	AP-48	AP-82	GA.-2	SP+0		06°49'24"LT		53	2726		KHASIAMANGAL	23°48'25.3"	91°38'50.9"	
							27							
88		AP-83	GA.-3	DP+0		17°35'33"LT		27	2753		KHASIAMANGAL	23°48'24.51"	91°38'50.48"	
							19							

Pls see the Comment page No-20/20

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फील्ड सुपरिंटेंडेंट/FIELD SUPERINTENDENT
पॉवरग्रिड/POWERGRID
उ.पू.क्षे., अगरतला/NER, Agartala.

APPROVED BY

DETAIL SURVEY POLE SECDULE

LINK NAME:-TELIAMURA EXISTING 132/33 KV S/S TO TAIDU

SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	EXT. OF MTR.	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUML.TV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) NORTHING	GPS CO-ORDINATE(WGS-84) EASTING	REMARKS
89	AP-83	AP-84	GA.-2	SP+0		06'56'21"LT		19	2772		KHASIAMANGAL	23°48'23.9"	91°38'50.38"	
							28							
90		AP-85	GA.-3	SP+0		01'06'06"LT		28	2800		KHASIAMANGAL	23°48'22.99"	91°38'50.39"	
							52							
91		AP-86	GA.-2	SP+0		03'12'52"LT		52	2852		KHASIAMANGAL	23°48'21.3"	91°38'50.44"	
							53			LT LINE				
92	AP-48	AP-87	***	SP+4	4	06'42'53"RT		53	2905		KHASIAMANGAL	23°48'19.57"	91°38'50.6"	
							39			11 KV LINE				
93		87/1	GA.-1	SP+0							KHASIAMANGAL			
							39							
94	AP-51	AP-88	***	DP+4	4	19'48'45"RT		78	2983		MOLSOM BASTI	23°48'17.04"	91°38'50.42"	
							22			ROAD, LT LINE				
95		AP-89	***	DP+4	4	21'56'14"LT		22	3005		MOLSOM BASTI	23°48'16.38"	91°38'50.11"	
							25			LT LINE				
96		AP-90	GA.-2	SP+0		09'10'05"RT		25	3030		MOLSOM BASTI	23°48'15.57"	91°38'50.08"	
							38							
97		90/1	GA.-1	SP+0							MOLSOM BASTI			
							38							
98		AP-91	GA.-2	SP+0		00'08'56"LT		78	3108		MOLSOM BASTI	23°48'13.16"	91°38'49.58"	As see the Comment page No-20/20
							25							
99	AP-54	AP-92	GA.-3	DP+0		10'29'29"RT		25	3131		MOLSOM BASTI	23°48'12.35"	91°38'49.41"	
							27							
100		AP-93	GA.-2	SP+0		07'03'28"LT		27	3158		MOLSOM BASTI	23°48'11.53"	91°38'49.06"	
							20			ROAD, LT LINE				
101	AP-55	AP-94	***	DP+4	4	25'21'26"RT		20	3178		MOLSOM BASTI	23°48'10.91"	91°38'48.89"	
							25			ROAD, LT LINE				
102		AP-95	GA.-3	DP+0		51'34'14"LT		25	3203		MOLSOM BASTI	23°48'10.29"	91°38'48.33"	
							35							
103		95/1	GA.-1	SP+0							MOLSOM BASTI			
							36							
104		AP-96	GA.-2	SP+0		01'12'01"LT		70	3273		MOLSOM BASTI	23°48'8.054"	91°38'48.85"	
							44							
105		96/1	GA.-1	SP+0							MOLSOM BASTI			
							44							
106		96/2	GA.-1	SP+0							B S F CAMP			
							44							
107		AP-97	GA.-3	DP+0		28'30'58"LT		132	3405		B S F CAMP	23°48'3.869"	91°38'49.92"	
							21			ROAD, LT LINE				
108		AP-98	GA.-3	DP+0		26'19'16"RT		21	3426		B S F CAMP	23°48'3.354"	91°38'50.42"	
							31							
109	AP-58	AP-99	GA.-3	DP+0		12'43'44"RT		31	3457		B S F CAMP	23°48'2.381"	91°38'50.71"	
							26							
110	AP-59	AP-100	GA.-2	SP+0		07'41'42"RT		26	3483		B S F CAMP	23°48'1.516"	91°38'50.76"	
							52							

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TECHNOFAB ENGINEERING LIMITED TRIPURA

FIELD SUPERVISOR
POWERGRID
N.E.R., Agartala.

APPROVED BY

SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	EXT. OF MTR.	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) NORTHING	GPS CO-ORDINATE(WGS-84) EASTING	REMARKS
111		AP-101	GA -3	DP+0		25°28'17"RT		52	3538		B S F CAMP	23°47'59.84"	91°38'50.6"	
							17			ROAD, LT LINE				
112		AP-102	GA -3	DP+0		13°16'49"LT		17	3552		B S F CAMP	23°47'59.35"	91°38'50.28"	
							23							
113		AP-103	GA -2	SP+0		01°08'45"LT		23	3575		B S F CAMP	23°47'58.63"	91°38'50.04"	
							28							
114	AP-60	AP-104	GA -3	DP+0		14°23'00"LT		28	3603		B S F CAMP	23°47'57.75"	91°38'49.72"	
							27			ROAD				
115		AP-105	GA -3	DP+0		37°10'06"RT		27	3630		B S F CAMP	23°47'56.87"	91°38'49.74"	
							28							
116		AP-106	GA -3	DP+0		11°37'00"RT		28	3658		B S F CAMP	23°47'56.15"	91°38'49.12"	
							21							
117	AP-61	AP-107	GA -3	DP+0		20°38'59"LT		21	3679		B S F CAMP	23°47'55.73"	91°38'48.55"	
							28							
118		AP-108	GA -3	DP+0		10°06'29"RT		28	3707		B S F CAMP	23°47'54.94"	91°38'48.07"	
							39							
119		108/1	GA -1	SP+0							B S F CAMP			
							38							
120	AP-62	AP-109	GA -2	SP+0		07°11'10"LT		78	3785		B S F CAMP	23°47'52.97"	91°38'46.25"	
							31							
121	AP-63	AP-110	GA -3	DP+0		11°22'38"LT		31	3816		B S F CAMP	23°47'52.12"	91°38'45.69"	
							27							
122	AP-64	AP-111	GA -3	DP+0		14°12'24"LT		27	3843		B S F CAMP	23°47'51.31"	91°38'45.35"	
							35							
123		111/1	GA -1	SP+0							B S F CAMP			
							35							
124		111/2	GA -1	SP+0							B S F CAMP			
							36							
125	AP-65	AP-112	GA -3	DP+0		04°10'26"RT		106	3949		B S F CAMP	23°47'47.89"	91°38'44.89"	
							37							
126		112/1	GA -1	SP+0							B S F CAMP			
							37							
127	AP-66	AP-113	GA -3	DP+0		12°27'34"RT		74	4023		B S F CAMP	23°47'45.55"	91°38'44.38"	
							22			ROAD				
128		AP-114	GA -3	DP+0		31°15'22"LT		22	4045		B S F CAMP	23°47'44.89"	91°38'44.07"	
							37							
129		114/1	GA -1	SP+0							B S F CAMP			
							37							
130	AP-67	AP-115	GA -2	SP+0		04°46'33"RT		74	4119		B S F CAMP	23°47'42.53"	91°38'41.82"	
							26			ROAD				
131	AP-68	AP-116	GA -3	DP+0		26°24'04"RT		26	4145		B S F CAMP	23°47'41.68"	91°38'44.46"	
							23							
132	AP-69	AP-117	GA -2	SP+0		07°33'23"LT		23	4168		B S F CAMP	23°47'40.99"	91°38'44.15"	
							26							

pls see the Comment page no - 80/20

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TECHNOFAB

TECHNOFAB ENGINEERING LIMITED TRIPURA

FIELD SUPERVISOR
POWERGRID

APPROVED BY

SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	EXT. OF MTR.	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) NORTHING	GPS CO-ORDINATE(WGS-84) EASTING	REMARKS
133		AP-118	GA.-3	DP+0		18°04'44"LT		26	4194		B S F CAMP	23°47'40.18"	91°38'43.91"	
							47							
134		AP-119	GA.-2	SP+0		00°50'02"LT		47	4241		B S F CAMP	23°47'38.65"	91°38'44"	
							35							
135		119/1	GA.-1	SP+0							B S F CAMP			
							36			11 KV LINE				
136		AP-120	GA.-3	DP+0		12°46'43"LT		70	4311		B S F CAMP	23°47'36.98"	91°38'44.16"	
							36							
137		120/1	GA.-1	SP+0							B S F CAMP			
							38							
138		AP-121	GA.-3	DP+0		36°52'58"RT		76	4387		B S F CAMP	23°47'34.01"	91°38'44.93"	
							21			ROAD				
139	AP-70	AP-122	GA.-2	SP+0		09°32'37"LT		21	4408		B S F CAMP	23°47'33.39"	91°38'44.65"	
							21			ROAD				
140		AP-123	GA.-3	DP+0		25°42'38"RT		21	4429		B S F CAMP	23°47'32.74"	91°38'44.41"	
							23							
141	AP-71	AP-124	GA.-2	SP+0		01°44'03"RT		23	4452		B S F CAMP	23°47'32.21"	91°38'43.85"	
							23							
142	AP-72	AP-125	GA.-3	DP+0		11°31'05"LT		23	4475		B S F CAMP	23°47'31.69"	91°38'43.26"	
							21							
143		AP-126	GA.-4	FP+0		65°47'49"LT		21	4496		B S F CAMP	23°47'31.13"	91°38'42.84"	
							26							
144		AP-127	GA.-2	SP+0		09°22'42"LT		26	4522		B S F CAMP	23°47'30.42"	91°38'43.3"	
							48							
145		AP-128	GA.-3	DP+0		23°28'39"LT		48	4570		B S F CAMP	23°47'29.22"	91°38'44.41"	
							18							
146		AP-129	GA.-2	SP+0		03°03'59"LT		18	4588		B S F CAMP	23°47'28.97"	91°38'44.98"	
							25							
147		AP-130	GA.-3	DP+0		18°46'30"RT		25	4613		B S F CAMP	23°47'28.65"	91°38'45.8"	
							30							
148	AP-73	AP-131	GA.-3	DP+0		28°32'50"RT		30	4643		B S F CAMP	23°47'28.01"	91°38'46.58"	
							24							
149	AP-74	AP-132	GA.-3	DP+0		26°01'18"RT		24	4667		B S F CAMP	23°47'27.26"	91°38'46.87"	
							38							
150		132/1	GA.-1	SP+0							B S F CAMP			
							38							
151	AP-75	AP-133	GA.-3	DP+0		22°47'17"LT		76	4743		B S F CAMP	23°47'24.82"	91°38'46.58"	
							22							
152		AP-134	GA.-3	DP+0		10°30'18"RT		22	4765		B S F CAMP	23°47'24.34"	91°38'46.8"	
							21							
153	AP-76	AP-135	GA.-3	DP+0		15°41'58"LT		21	4786		B S F CAMP	23°47'23.46"	91°38'46.87"	
							40							
154		135/1	GA.-1	SP+0							B S F CAMP			
							40							

Pls see the Comment page no - 20/21

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TECHNOFAB

TECHNOFAB ENGINEERING LIMITED TRIPURA

Sandy

Chief Engineer
पीएचडीसीएल /POWERCHD
उ.पू.रे., अगरतला/NER, Agartala.

APPROVED BY

SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	EXT. OF MTR.	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												NORTHING	EASTING	
155	AP-77	AP-136	GA.-3	DP+0		15°39'45"RT		80	4966		B.S.F CAMP	23°47'21.03"	91°38'47.92"	
							37							
156		136/1	GA.-1	SP+0							B.S.F CAMP			
							37							
157	AP-78	AP-137	GA.-2	SP+0		09°42'50"RT		74	4940		B.S.F CAMP	23°47'18.66"	91°38'48.2"	
							27							
158	AP-79	AP-138	GA.-3	DP+0		21°24'17"RT		27	4967		B.S.F CAMP	23°47'17.78"	91°38'48.13"	
							28							
159		AP-139	GA.-3	DP+0		25°38'28"LT		28	4995		B.S.F CAMP	23°47'16.96"	91°38'47.72"	
							29							
160		AP-140	GA.-2	SP+0		09°05'25"LT		29	5024		B.S.F CAMP	23°47'16.02"	91°38'47.79"	
							25							
161		AP-141	GA.-3	DP+0		14°24'30"LT		25	5049		B.S.F CAMP	23°47'15.21"	91°38'47.88"	
							50							
162	AP-80	AP-142	GA.-3	DP+0		21°20'15"RT		50	5099		B.S.F CAMP	23°47'13.72"	91°38'48.5"	
							53							
163	AP-82	AP-143	GA.-2	SP+0		07°21'20"RT		53	5152		B.S.F CAMP	23°47'12"	91°38'48.69"	
							22							
164	AP-83	AP-144	GA.-3	DP+0		12°01'18"RT		22	5174		B.S.F CAMP	23°47'11.28"	91°38'48.63"	
							37							
165		144/1	GA.-1	SP+0							B.S.F CAMP			
							37							
166		AP-145	GA.-4	FP+0		85°46'06"LT		74	5248		B.S.F CAMP	23°47'8.973"	91°38'47.87"	
							30							
167	AP-84	AP-146	GA.-3	DP+0		52°37'05"LT		30	5278		B.S.F CAMP	23°47'8.624"	91°38'48.87"	
							47							
168		146/1	GA.-1	SP+0							B.S.F CAMP			
							47							
169	AP-85	AP-147	GA.-4	FP+0		64°51'41"RT		94	5372		B.S.F CAMP	23°47'10.24"	91°38'51.71"	
							25							
170	AP-86	AP-148	GA.-3	DP+0		41°33'59"RT		25	5397		B.S.F CAMP	23°47'9.794"	91°38'52.46"	
							20							
171		AP-149	GA.-3	DP+0		14°44'37"RT		20	5417		B.S.F CAMP	23°47'9.177"	91°38'52.64"	
							25							
172	AP-88	AP-150	GA.-3	DP+0		11°18'36"RT		25	5442		BAHADUR SARDARPARA	23°47'8.365"	91°38'52.65"	
							46							
173		AP-151	GA.-3	DP+0		13°41'46"LT		46	5488		BAHADUR SARDARPARA	23°47'6.899"	91°38'52.35"	
							24							
174		151/1	GA.-1	SP+0							BAHADUR SARDARPARA			
							24							
175		AP-152	GA.-3	DP+0		12°40'57"LT		48	5536		BAHADUR SARDARPARA	23°47'5.339"	91°38'52.43"	
							27							
176	AP-89	AP-153	GA.-2	SP+0		01°15'58"RT		27	5563		BAHADUR SARDARPARA	23°47'4.495"	91°38'52.69"	
							45							

Hold

Hold

Hold

Hold

pls see the Comment page no 20/20

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TECHNOFAB ENGINEERING LIMITED TRIPURA

फील्ड सुपरवाइजर/FIELD SUPERVISOR
पॉवरग्रिड/POWERGRID
उ.पू.क्षे., अगरतला/NER, Agartala.

APPROVED BY

SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	EXT. OF MTR.	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												NORTHING	EASTING	
177	AP-90	AP-154	GA.-3	DP+0		11°18'36"RT		45	5608		BAHADUR SARDARPARA	23°47'3.069"	91°38'53.09"	
							21							
178		AP-155	GA.-3	DP+0		18°22'07"RT		21	5629		BAHADUR SARDARPARA	23°47'2.387"	91°38'53.13"	
							26							
179	AP-91	AP-156	GA.-3	DP+0		17°36'22"RT		26	5655		BAHADUR SARDARPARA	23°47'1.572"	91°38'52.9"	
							35							
180		AP-157	GA.-3	DP+0		10°38'43"LT		35	5690		BAHADUR SARDARPARA	23°47'0.623"	91°38'52.23"	
							28							
181		AP-158	GA.-3	DP+0		28°57'36"LT		28	5718		BAHADUR SARDARPARA	23°46'59.84"	91°38'51.89"	
							27							
182	AP-92	AP-159	GA.-3	DP+0		17°37'20"LT		27	5743		BAHADUR SARDARPARA	23°46'58.98"	91°38'52"	
							34							
183		159/1	GA.-1	SP+0							BAHADUR SARDARPARA			
							34							
184	AP-93	AP-160	GA.-3	DP+0		30°48'19"RT		68	5811		BAHADUR SARDARPARA	23°46'56.92"	91°38'53.01"	
							25			ROAD				
185		AP-161	GA.-3	DP+0		20°42'36"RT		25	5836		BAHADUR SARDARPARA	23°46'56.11"	91°38'52.92"	
							26							
186		AP-162	GA.-2	SP+0		02°11'31"RT		26	5862		BAHADUR SARDARPARA	23°46'55.35"	91°38'52.5"	
							24							
187	AP-97	AP-163	GA.-3	DP+0		10°05'28"LT		24	5886		BAHADUR SARDARPARA	23°46'54.67"	91°38'52.08"	
							30							
188		AP-164	GA.-3	DP+0		33°41'24"LT		30	5916		BAHADUR SARDARPARA	23°46'53.75"	91°38'51.74"	
							21							
189	AP-98	AP-165	GA.-2	SP+0		04°02'50"LT		21	5937		BAHADUR SARDARPARA	23°46'53.11"	91°38'51.92"	
							52							
190		AP-166	GA.-2	SP+0		22°33'34"RT		52	5989		BAHADUR SARDARPARA	23°46'51.52"	91°38'52.5"	
							19			ROAD				
191	AP-99	AP-167	GA.-3	DP+0		16°35'06"RT		19	6008		BAHADUR SARDARPARA	23°46'50.93"	91°38'52.69"	
							54							
192		AP-168	GA.-3	DP+0		20°30'03"LT		54	6062		BAHADUR SARDARPARA	23°46'49.18"	91°38'53.67"	
							18							
193	AP-100	AP-169	GA.-3	DP+0		15°46'35"LT		18	6080		BAHADUR SARDARPARA	23°46'48.63"	91°38'52.88"	
							21							
194		AP-170	GA.-3	DP+0		15°29'35"LT		21	6101		BAHADUR SARDARPARA	23°46'48.08"	91°38'53.32"	
							29							
195		AP-171	GA.-3	DP+0		18°42'19"RT		29	6129		BAHADUR SARDARPARA	23°46'47.5"	91°38'54.1"	
							28							
196	AP-101	AP-172	GA.-3	DP+0		24°58'37"RT		28	6157		BAHADUR SARDARPARA	23°46'46.73"	91°38'54.64"	
							37							
197		172/1	GA.-1	SP+0							BAHADUR SARDARPARA			
							37							
198	AP-102	AP-173	GA.-3	DP+0		24°38'37"RT		74	6231		BAHADUR SARDARPARA	23°46'44.36"	91°38'54.98"	
							27							

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SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	EXT. OF MTR.	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												NORTHING	EASTING	
199		AP-174	GA.-2	SP+0		07°54'41"LT		27	6258		BAHADUR SARDARPARA	23°46'43.55"	91°38'55.38"	
							36							
200		174/1	GA.-1	SP+0							BAHADUR SARDARPARA			
							35							
201	AP-104	AP-175	GA.-3	DP+0		33°27'02"RT		70	6328		BAHADUR SARDARPARA	23°46'41.61"	91°38'56.71"	
							32							
202	AP-105	AP-176	GA.-3	DP+0		24°10'12"LT		32	6360		BAHADUR SARDARPARA	23°46'40.57"	91°38'56.68"	
							18							
203		AP-177	GA.-3	DP+0		30°35'14"RT		18	6378		BAHADUR SARDARPARA	23°46'40.02"	91°38'56.93"	
							35							
204		177/1	GA.-1	SP+0							BAHADUR SARDARPARA			
							35							
205		177/2	GA.-1	SP+0							BAHADUR SARDARPARA			
							35							
206	AP-108	AP-178	GA.-3	DP+0		26°38'32"LT		105	6483		BAHADUR SARDARPARA	23°46'36.63"	91°38'56.44"	
							22							
207	AP-109	AP-179	GA.-3	DP+0		17°49'08"LT		22	6505		BAHADUR SARDARPARA	23°46'35.95"	91°38'56.69"	
							37			ROAD				
208	AP-110	AP-180	GA.-3	DP+0		11°45'32"LT		37	6542		BAHADUR SARDARPARA	23°46'34.98"	91°38'57.48"	
							27							
209		AP-181	GA.-2	SP+0		00°33'46"LT		27	6569		BAHADUR SARDARPARA	23°46'34.4"	91°38'58.19"	
							23			ROAD				
210		AP-182	GA.-3	DP+0		36°00'51"RT		23	6592		BAHADUR SARDARPARA	23°46'33.92"	91°38'58.8"	
							32							
211		182/1	GA.-1	SP+0							BAHADUR SARDARPARA			
							32							
212	AP-113	AP-183	GA.-3	DP+0		17°09'10"RT		64	6656		BAHADUR SARDARPARA	23°46'31.88"	91°38'59.31"	
							25							
213		183/1	GA.-1	SP+0							BAHADUR SARDARPARA			
							25							
214	AP-114	AP-184	GA.-3	DP+0		26°22'31"LT		50	6706		BAHADUR SARDARPARA	23°46'30.25"	91°38'59.19"	
							43							
215		AP-185	GA.-2	SP+0		05°45'05"LT		43	6749		BAHADUR SARDARPARA	23°46'28.95"	91°38'59.77"	
							26							
216	AP-115	AP-186	GA.-2	SP+0		06°49'39"LT		26	6775		BAHADUR SARDARPARA	23°46'28.21"	91°39'0.306"	
							23							
217	AP-116	AP-187	GA.-3	DP+0		14°28'01"LT		23	6799		BAHADUR SARDARPARA	23°46'27.6"	91°39'0.67"	
							21							
218		AP-188	GA.-3	DP+0		12°47'12"RT		21	6819		BAHADUR SARDARPARA	23°46'27.15"	91°39'1.24"	
							27							
219	AP-117	AP-189	GA.-3	DP+0		13°52'18"LT		27	6846		BAHADUR SARDARPARA	23°46'26.44"	91°39'1.812"	
							25			66 KV LINE				
220	AP-118	AP-190	GA.-3	DP+0		16°36'08"LT		25	6871		BAHADUR SARDARPARA	23°46'25.92"	91°39'2.489"	
							25							
221	AP-119	AP-191	GA.-3	DP+0		34°40'26"RT		25	6896		BAHADUR SARDARPARA	23°46'25.6"	91°39'3.304"	
							34							
222		AP-192	GA.-2	SP+0		02°21'06"RT		34	6930		BAHADUR SARDARPARA	23°46'24.67"	91°39'3.95"	

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SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	EXT. OF MTR.	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												NORTHING	EASTING	
223	AP-120	AP-193	GA.-3	DP+0		45°25'17"RT	26	26	6956	ROAD				
							22				BAHADUR SARDARPARA	23°46'23.92"	91°39'4.417"	
224		AP-194	GA.-3	DP+0		21°57'16"LT		22	6978					
							19				BAHADUR SARDARPARA	23°46'23.24"	91°39'4.212"	
225	AP-121	AP-195	GA.-3	DP+0		11°20'42"LT		19	6997					
							17				BAHADUR SARDARPARA	23°46'22.62"	91°39'4.289"	
226		AP-196	GA.-3	DP+0		52°05'24"LT		17	7014					
							17				BAHADUR SARDARPARA	23°46'22.1"	91°39'4.471"	
227	AP-122	AP-197	GA.-3	DP+0		22°53'45"RT		17	7031	ROAD				
							26				BAHADUR SARDARPARA	23°46'21.91"	91°39'5.038"	
228		AP-198	GA.-3	DP+0		23°29'49"RT		26	7057					
							51				BAHADUR SARDARPARA	23°46'21.33"	91°39'5.715"	
229		AP-199	GA.-3	DP+0		54°00'54"RT		51	7108					
							35				BAHADUR SARDARPARA	23°46'19.81"	91°39'6.438"	
230	AP-124	AP-200	GA.-3	DP+0		31°23'25"RT		35	7143					
							24				BAHADUR SARDARPARA	23°46'18.83"	91°39'5.812"	
231	AP-125	AP-201	GA.-3	DP+0		10°32'36"RT		24	7167					
							27				BAHADUR SARDARPARA	23°46'18.47"	91°39'5.074"	
232		AP-202	GA.-3	DP+0		17°06'10"RT		27	7194					
							24				TAIDU FOREST	23°46'18.2"	91°39'4.158"	
233		AP-203	GA.-3	DP+0		38°39'35"RT		24	7218	66 KV LINE				
							32				TAIDU FOREST	23°46'18.19"	91°39'3.31"	
234	AP-127	AP-204	GA.-4	FP+0		80°17'56"LT		30	7250					
											TAIDU FOREST	23°46'18.83"	91°39'2.421"	

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SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	EXT. OF MTR.	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) NORTHING	GPS CO-ORDINATE(WGS-84) EASTING	REMARKS
235		AP-205	GA.-3	DP+0		51°32'47"LT	24	24	7274	ROAD	TAIDU FOREST	23°46'18.31"	91°39'1.79"	
236	AP-130	AP-206	GA.-3	DP+0		27°23'58"LT	36	36	7310		TAIDU FOREST	23°46'17.14"	91°39'1.873"	
237	AP-131	AP-207	GA.-3	DP+0		37°37'10"LT	26	26	7336		TAIDU FOREST	23°46'16.43"	91°39'2.339"	
238		AP-208	GA.-3	DP+0		14°12'24"LT	27	27	7363		TAIDU FOREST	23°46'16.11"	91°39'3.226"	
239	AP-132	AP-209	GA.-3	DP+0		12°57'02"LT	30	30	7393	66 KV LINE	TAIDU FOREST	23°46'15.99"	91°39'4.287"	
240		AP-210	GA.-3	DP+0		25°00'35"RT	32	32	7425		TAIDU FOREST	23°46'16.1"	91°39'5.416"	
241	AP-133	AP-211	GA.-3	DP+0		44°31'31"RT	15	15	7440		TAIDU FOREST	23°46'15.94"	91°39'5.912"	
242	AP-134	AP-212	GA.-3	DP+0		49°01'10"RT	34	34	7474	ROAD	TAIDU FOREST	23°46'14.94"	91°39'6.452"	
243		AP-213	GA.-3	DP+0		53°34'40"LT	30	30	7504		TAIDU FOREST	23°46'14.02"	91°39'6.038"	
244		AP-214	GA.-2	SP+0		04°54'57"RT	34	34	7538		TAIDU FOREST	23°46'13.08"	91°39'6.648"	
245		AP-215	GA.-2	SP+0		04°12'46"RT	23	23	7561	ROAD	TAIDU FOREST	23°46'12.4"	91°39'7.008"	
246		AP-216	GA.-3	DP+0		50°18'52"LT	19	19	7580		TAIDU FOREST	23°46'11.82"	91°39'7.262"	
247	AP-136	AP-217	GA.-3	DP+0		17°35'33"RT	19	19	7599		TAIDU FOREST	23°46'11.63"	91°39'7.9"	
248		AP-218	GA.-3	DP+0		31°54'17"RT	27	27	7626	ROAD	TAIDU FOREST	23°46'11.12"	91°39'8.682"	
249	AP-137	AP-219	GA.-3	DP+0		39°35'36"RT	40	40	7666		TAIDU FOREST	23°46'9.925"	91°39'9.224"	
250		AP-220	GA.-2	SP+0		07°13'15"LT	20	20	7686	ROAD	TAIDU FOREST	23°46'9.305"	91°39'9.019"	
251		AP-221	GA.-2	SP+0		02°41'23"RT	22	22	7708		TAIDU FOREST	23°46'8.589"	91°39'8.885"	
252	AP-140	AP-222	GA.-3	DP+0		21°44'27"LT	27	27	7735		TAIDU FOREST	23°46'7.742"	91°39'8.682"	
253		AP-223	GA.-3	DP+0		44°17'02"RT	26	26	7761		TAIDU FOREST	23°46'6.898"	91°39'8.832"	
254		AP-224	GA.-2	SP+0		03°03'59"LT	26	26	7787		TAIDU FOREST	23°46'6.211"	91°39'8.309"	
255		AP-225	GA.-3	DP+0		41°33'41"LT	26	26	7813		TAIDU FOREST	23°46'5.491"	91°39'7.822"	
256		AP-226	GA.-2	SP+0		03°54'16"LT	25	25	7838		TAIDU FOREST	23°46'4.68"	91°39'7.971"	

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उ.पू.ख., अगरतला / NER, Agartala

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SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	EXT. OF MTR.	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) NORTHING	GPS CO-ORDINATE(WGS-84) EASTING	REMARKS
257		AP-227	GA.-3	DP+0		30°44'21"RT	27	27	7885		TAIDU FOREST	23°46'3.836"	91°39'8.192"	
258	AP-141	AP-228	GA.-3	DP+0		51°26'06"LT	26	26	7891		TAIDU FOREST	23°46'3.021"	91°39'7.918"	
259		AP-229	GA.-3	DP+0		22°01'23"LT	25	25	7916		TAIDU FOREST	23°46'2.343"	91°39'8.429"	
260	AP-142	AP-230	GA.-3	DP+0	Hold	35°54'51"RT	27	27	7943	ROAD	TAIDU FOREST	23°46'1.862"	91°39'9.201"	
261	AP-143	AP-231	GA.-2	SP+0		01°21'45"LT	27	27	7970		TAIDU FOREST	23°46'1.052"	91°39'9.528"	
262	AP-144	AP-232	GA.-3	DP+0		44°12'55"LT	33	33	8003		TAIDU FOREST	23°46'0.048"	91°39'9.962"	
263	AP-145	AP-233	GA.-3	DP+0		47°37'54"RT	26	26	8029		TAIDU FOREST	23°45'59.69"	91°39'10.81"	
264	AP-146	AP-234	GA.-3	DP+0		36°10'47"RT	26	26	8055		TAIDU FOREST	23°45'58.88"	91°39'11.1"	
265		AP-235	GA.-3	DP+0	Hold	19°32'12"RT	28	28	8083		TAIDU FOREST	23°45'58"	91°39'10.79"	
266	AP-147	AP-236	GA.-3	DP+0		28°59'56"LT	52	52	8135		TAIDU FOREST	23°45'56.66"	91°39'9.679"	
267	AP-148	AP-237	GA.-3	DP+0		55°15'29"RT	38	38	8173		TAIDU FOREST	23°45'55.42"	91°39'9.48"	
268	AP-149	AP-238	GA.-3	DP+0		38°35'23"LT	32	32	8205		TAIDU FOREST	23°45'54.96"	91°39'8.46"	
269	AP-150	AP-239	GA.-3	DP+0		25°38'28"LT	28	28	8233		TAIDU FOREST	23°45'54.14"	91°39'8.044"	
270	AP-151	AP-240	GA.-3	DP+0		51°20'25"LT	25	25	8258		TAIDU FOREST	23°45'53.33"	91°39'8.053"	
271	AP-152	AP-241	GA.-3	DP+0		53°27'41"RT	26	26	8284		TAIDU FOREST	23°45'52.82"	91°39'8.765"	
272	AP-153	AP-242	GA.-3	DP+0		34°36'32"LT	27	27	8311		TAIDU FOREST	23°45'51.94"	91°39'8.738"	
273		AP-243	GA.-3	DP+0		28°03'11"LT	26	26	8337		TAIDU FOREST	23°45'51.23"	91°39'9.24"	
274	AP-154	AP-244	GA.-2	SP+0		08°55'11"LT	26	26	8363		TAIDU FOREST	23°45'50.81"	91°39'10.05"	
275		AP-245	GA.-3	DP+0	Hold	33°05'05"LT	26	26	8389	ROAD	TAIDU FOREST	23°45'50.53"	91°39'10.9"	
276		AP-246	GA.-3	DP+0		48°13'08"RT	28	28	8417		TAIDU FOREST	23°45'50.73"	91°39'11.85"	
277	AP-155	AP-247	GA.-3	DP+0		12°09'54"RT	25	25	8442		TAIDU FOREST	23°45'50.28"	91°39'12.6"	
278	AP-156	AP-248	GA.-3	DP+0	Hold	41°25'07"RT	47	47	8489		TAIDU FOREST	23°45'49.19"	91°39'13.78"	

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							21							
279	AP-157	AP-249	GA.-3	DP+0		26°13'30"RT		21	8510		TAIDU FOREST	23°45'48.5"	91°39'13.82"	
							25							
280	AP-158	AP-250	GA.-3	DP+0		14°11'44"RT		25	8535		TAIDU FOREST	23°45'47.75"	91°39'13.47"	
							28							
281	AP-159	AP-251	GA.-3	DP+0		37°41'38"LT		28	8563		TAIDU FOREST	23°45'47.03"	91°39'12.88"	
							24							
282		AP-252	GA.-2	SP+0		02°07'16"LT		24	8587		TAIDU FOREST	23°45'46.25"	91°39'12.89"	
							27			ROAD				
283		AP-253	GA.-3	DP+0		36°40'10"RT		27	8614		TAIDU FOREST	23°45'45.37"	91°39'12.93"	
							37							
284		253/1	GA.-1	SP+0										
											TAIDU FOREST			
							37							
285	AP-162	AP-254	GA.-2	SP+0		05°04'21"LT		74	8688		TAIDU FOREST	23°45'41.38"	91°39'11.47"	
							26							
286	AP-163	AP-255	GA.-3	DP+0		18°15'02"RT		26	8714		TAIDU FOREST	23°45'42.63"	91°39'11.02"	
							15			ROAD				
287		AP-256	GA.-3	DP+0		39°27'02"LT		15	8729		TAIDU FOREST	23°45'42.3"	91°39'10.63"	
							56							
288		AP-257	GA.-3	DP+0		17°58'09"LT		56	8785		TAIDU FOREST	23°45'40.53"	91°39'10.37"	
							24							
289		257/1	GA.-1	SP+0										
											TAIDU FOREST			
							24							
290		AP-258	GA.-2	SP+0		00°12'21"LT		48	8833		TAIDU FOREST	23°45'38.98"	91°39'10.67"	
							23							
291		AP-259	GA.-3	DP+0		25°30'29"RT		23	8856		TAIDU FOREST	23°45'38.24"	91°39'10.82"	
							26							
292		AP-260	GA.-3	DP+0		18°07'54"LT		26	8882		DHALASHAR	23°45'37.42"	91°39'10.58"	
							46							
293		AP-261	GA.-3	DP+0		14°15'26"RT		46	8928		DHALASHAR	23°45'35.93"	91°39'10.66"	
							25							
294		AP-262	GA.-3	DP+0		15°55'52"RT		25	8953		DHALASHAR	23°45'35.14"	91°39'10.5"	
							45							
295		AP-263	GA.-3	DP+0		18°46'10"RT		45	8998		DHALASHAR	23°45'33.84"	91°39'9.772"	
							28							
296		AP-264	GA.-3	DP+0		13°59'51"LT		28	9026		DHALASHAR	23°45'33.21"	91°39'9.072"	
							26							
297		AP-265	GA.-3	DP+0		21°49'05"LT		26	9052		DHALASHAR	23°45'32.49"	91°39'8.585"	
							35							
298		265/1	GA.-1	SP+0										
											DHALASHAR			
							35							
299		AP-266	GA.-3	DP+0		30°07'56"LT		70	9122		DHALASHAR	23°45'30.25"	91°39'8.149"	
							24							
300		266/1	GA.-1	SP+0										
											DHALASHAR			

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फील्ड पर्यवेक्षक/FIELD SUPERVISOR
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												NORTHING	EASTING	
301	AP-166	AP-267	GA -3	DP+0		11°5'01"RT	24	48	9170		DHALASHAR	23°45'28.69"	91°39'8.448"	
302		AP-268	GA -2	SP+0		01°05'12"RT	23	23	9193		DHALASHAR	23°45'27.94"	91°39'8.42"	
303		AP-269	GA -2	SP+0		08°32'48"LT	48	48	9241		DHALASHAR	23°45'26.38"	91°39'8.33"	
304	AP-167	AP-270	GA -3	DP+0		24°16'45"LT	23	23	9264		DHALASHAR	23°45'25.63"	91°39'8.409"	
305		AP-271	GA -3	DP+0		47°41'02"RT	29	29	9293	ROAD	DHALASHAR	23°45'24.82"	91°39'8.912"	
306	AP-168	AP-272	GA -2	SP+0		09°07'04"RT	25	25	9318		DHALASHAR	23°45'24.04"	91°39'8.637"	
307		AP-273	GA -3	DP+0		15°47'04"LT	26	26	9344		DHALASHAR	23°45'23.29"	91°39'8.221"	
308	AP-169	AP-274	GA -2	SP+0		9°31'50"LT	25	25	9369		DHALASHAR	23°45'22.51"	91°39'8.052"	
309		AP-275	GA -3	DP+0		25°18'19"RT	26	26	9395		DHALASHAR	23°45'21.66"	91°39'8.026"	
310		AP-276	GA -3	DP+0		30°02'35"LT	28	28	9423		DHALASHAR	23°45'20.85"	91°39'7.575"	
311		AP-277	GA -3	DP+0		54°04'05"LT	23	23	9446		DHALASHAR	23°45'20.1"	91°39'7.477"	
312	AP-170	AP-278	GA -2	SP+0		07°58'36"RT	25	25	9471		DHALASHAR	23°45'19.55"	91°39'8.118"	
313	AP-171	AP-279	GA -2	SP+0		04°39'20"LT	26	26	9497	ROAD	DHALASHAR	23°45'18.91"	91°39'8.69"	
314		AP-280	GA -3	DP+0		17°45'19"RT	48	48	9545		DHALASHAR	23°45'17.78"	91°39'9.867"	
315	AP-172	AP-281	GA -3	DP+0		10°48'59"RT	25	25	9570		DHALASHAR	23°45'17.03"	91°39'10.26"	
316	AP-173	AP-282	GA -3	DP+0		29°21'52"RT	20	20	9590	ROAD	DHALASHAR	23°45'16.42"	91°39'10.44"	
317		AP-283	GA -3	DP+0		25°11'06"RT	24	24	9614		DHALASHAR	23°45'15.67"	91°39'10.24"	
318		AP-284	GA -3	DP+0		26°53'53"LT	23	23	9637	ROAD	DHALASHAR	23°45'15.08"	91°39'9.718"	
319	AP-174	AP-285	GA -3	DP+0		14°59'24"RT	49	49	9686		DHALASHAR	23°45'13.51"	91°39'9.346"	
320		AP-286	GA -3	DP+0		30°06'56"RT	19	19	9705		TAIDU	23°45'12.96"	91°39'9.034"	
321		AP-287	GA -3	DP+0		13°11'18"LT	27	27	9732		TAIDU	23°45'12.37"	91°39'8.333"	
322	AP-175	AP-288	GA -3	DP+0		31°58'37"RT	28	28	9760		TAIDU	23°45'11.62"	91°39'7.776"	

pls see the Comment page no - 20/20

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फील्ड पर्यवेक्षक/FIELD SUPERVISOR
पावरग्रिड/POWERGRID
उ.पू.क्षे., अगरतला/NER, AGARTALA

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SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	POCIL STANDARD POLE TYPE	TYPE OF POLE	EXT. OF MTR.	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) NORTHING	GPS CO-ORDINATE(WGS-84) EASTING	REMARKS
323		AP-289	GA -2	SP+0		01°23'50"RT	23	23	9783		TAIDU	23°45'11.32"	91°39'7.037"	
324		AP-290	GA -3	DP+0		29°32'20"LT	32	32	9815		TAIDU	23°45'10.92"	91°39'5.982"	
325		AP-291	GA -3	DP+0		23°11'58"LT	19	19	9834		TAIDU	23°45'10.43"	91°39'5.563"	
326		AP-292	GA -2	SP+0		04°38'02"RT	49	49	9883		TAIDU	23°45'8.898"	91°39'5.12"	
327	AP-177	AP-293	GA -3	DP+0		18°56'55"RT	44	44	9927		TAIDU	23°45'7.561"	91°39'4.604"	
328		AP-294	GA -3	DP+0		10°32'30"RT	21	21	9948		TAIDU	23°45'7.036"	91°39'4.15"	
329		AP-295	GA - 4	FP+0		67°27'49"LT	26	26	9974		TAIDU	23°45'6.478"	91°39'3.449"	
330	AP-178	AP-296	GA -3	DP+0		13°51'46"LT	26	26	10000	ROAD	TAIDU	23°45'5.667"	91°39'3.74"	
331		AP-297	GA -3	DP+0		10°01'34"LT	46	46	10046		TAIDU	23°45'4.407"	91°39'4.601"	
332		AP-298	GA -3	DP+0		19°49'56"RT	24	24	10070		TAIDU	23°45'3.827"	91°39'5.172"	pls see the Comment page no. 20/20
333		AP-299	GA -2	SP+0		08°03'55"RT	27	27	10097	ROAD	TAIDU	23°45'3.017"	91°39'5.533"	
334		AP-300	GA -2	SP+0		06°26'04"LT	46	46	10143		TAIDU	23°45'1.558"	91°39'5.917"	
335		AP-301	GA -2	SP+0		03°28'17"RT	52	52	10195		TAIDU	23°44'59.97"	91°39'6.589"	
336		AP-302	GA - 4	FP+0		75°44'06"RT	21	21	10216		TAIDU	23°44'59.32"	91°39'6.808"	
337	AP-181	AP-303	GA -2	SP+0		02°43'36"LT	29	29	10245		TAIDU	23°44'58.82"	91°39'5.93"	
338	AP-182	AP-304	GA -2	SP+0		05°37'03"RT	22	22	10267	ROAD	TAIDU	23°44'58.43"	91°39'5.298"	
339	AP-184	AP-305	GA -2	SP+0		05°02'20"LT	51	51	10318		TAIDU	23°44'57.63"	91°39'3.717"	
340		AP-306	GA -3	DP+0		19°03'49"LT	27	27	10345		TAIDU	23°44'57.14"	91°39'2.91"	
341	AP-185	AP-307	GA -2	SP+0		08°23'57"LT	23	23	10368		TAIDU	23°44'56.55"	91°39'2.421"	
342		AP-308	GA -2	SP+0		02°24'54"RT	26	26	10394		TAIDU	23°44'55.8"	91°39'1.97"	
343	AP-186	AP-309	GA -3	DP+0		22°49'02"LT	53	53	10447		TAIDU	23°44'54.33"	91°39'0.996"	
344		AP-310	GA -3	DP+0		24°20'43"LT	25	25	10472		TAIDU	23°44'53.51"	91°39'0.863"	

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FIELD SUPERVISOR

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SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	EXT. OF MTR.	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												NORTHING	EASTING	
							40							
345		310/1	GA -1	SP+0							TAIDU			
							40							
346		AP-311	GA -3	DP+0		19°39'14"RT		80	10552		TAIDU	23°44'51.01"	91°39'1.631"	
							26							
347	AP-188	AP-312	GA -3	DP+0		16°51'05"RT		26	10578		TAIDU	23°44'50.17"	91°39'1.569"	
							19			ROAD				
348		AP-313	GA -3	DP+0		43°33'07"LT		19	10597		TAIDU	23°44'49.58"	91°39'1.327"	
							27							
349		AP-314	GA -3	DP+0		59°40'04"LT		27	10624		TAIDU	23°44'48.77"	91°39'1.689"	
							20			ROAD				
350	AP-189	AP-315	GA -3	DP+0		27°00'25"RT		20	10644		TAIDU	23°44'48.68"	91°39'2.396"	
							26							
351		AP-316	GA -2	SP+0		09°27'44"RT		26	10670		TAIDU	23°44'48.2"	91°39'3.143"	
							28							
352	AP-190	AP-317	GA -3	DP+0		50°11'40"LT		28	10698		TAIDU	23°44'47.56"	91°39'3.856"	
							22							
353		AP-318	GA -3	DP+0		30°20'38"LT		22	10720		TAIDU	23°44'47.63"	91°39'4.632"	
							17							
354		AP-319	GA - 4	FP+0		64°20'54"RT		17	10737		TAIDU	23°44'47.96"	91°39'5.123"	
							23							
355		AP-320	GA -3	DP+0		51°19'24"RT		23	10760		TAIDU	23°44'47.6"	91°39'5.833"	pls see the comment page no. 20/20
							23							
356		AP-321	GA -3	DP+0		11°54'40"RT		23	10783		TAIDU	23°44'46.86"	91°39'5.982"	
							28							
357		AP-322	GA -2	SP+0		04°47'51"RT		28	10811		TAIDU	23°44'45.95"	91°39'5.959"	
							25							
358	AP-191	AP-323	GA -3	DP+0		34°07'44"RT		25	10836		TAIDU	23°44'45.13"	91°39'5.859"	
							50							
359		AP-324	GA -3	DP+0		37°15'39"RT		50	10886		TAIDU	23°44'43.89"	91°39'4.706"	
							25							
360	AP-193	AP-325	GA -3	DP+0		34°46'48"LT		25	10911		TAIDU	23°44'43.72"	91°39'3.86"	
							26							
361		AP-326	GA -3	DP+0		12°51'29"RT		26	10937		TAIDU	23°44'43.1"	91°39'3.231"	
							25							
362	AP-194	AP-327	GA -3	DP+0		20°46'20"LT		25	10962		TAIDU	23°44'42.63"	91°39'2.494"	
							26							
363	AP-195	AP-328	GA -2	SP+0		07°59'05"LT		26	10988		TAIDU	23°44'41.95"	91°39'1.971"	
							52							
364		AP-329	GA -3	DP+0		47°42'13"RT		52	11040		TAIDU	23°44'40.44"	91°39'1.139"	
							20			ROAD				
365	AP-196	AP-330	GA -3	DP+0		40°02'20"LT		20	11060		TAIDU	23°44'40.28"	91°39'0.47"	
							21							
366		AP-331	GA -3	DP+0		28°38'08"LT		21	11081		TAIDU	23°44'39.72"	91°39'0.052"	

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पॉवरग्रिड/POWERGRID

APPROVED BY

OWNER:-T.S.E.C.L
CLIENT:-PGCIL

DETAIL SURVEY POLE SECDULE

LINK NAME:-TELIAMURA EXISTING 132/33 KV S/S TO TAIDU

SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	EXT. OF MTR.	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) NORTHING	GPS CO-ORDINATE(WGS-84) EASTING	REMARKS
357	AP-197	AP-332	GA.-2	SP+0		05°34'55"LT	26	26	11107		TAIDU	23°44'38.87"	91°38'59.95"	
358		AP-333	GA.-3	DP+0		12°59'41"LT	21	21	11128	ROAD	TAIDU	23°44'38.19"	91°38'59.96"	
359		AP-334	GA.-3	DP+0		10°12'14"LT	27	27	11155		TAIDU	23°44'37.35"	91°39'0.182"	
370	AP-198	AP-335	GA.-3	DP+0		22°39'23"LT	23	23	11178		TAIDU	23°44'36.67"	91°39'0.507"	
371		AP-336	GA.-3	DP+0		25°37'49"RT	47	47	11225		TAIDU	23°44'35.5"	91°39'1.719"	
372	AP-200	AP-337	GA.-3	DP+0		24°47'56"RT	20	20	11245		TAIDU	23°44'34.99"	91°39'1.972"	
373	AP-201	AP-338	GA.-3	DP+0		47°50'18"LT	25	25	11270		TAIDU	23°44'34.18"	91°39'1.91"	
374		AP-339	GA.-3	DP+0		16°40'02"LT	23	23	11293		TAIDU	23°44'33.63"	91°39'2.481"	
375		AP-340	GA.-3	DP+0		44°40'35"RT	22	22	11315		TAIDU	23°44'33.28"	91°39'3.155"	
376	AP-203	AP-341	GA.-3	DP+0		25°07'15"RT	23	23	11338		TAIDU	23°44'32.56"	91°39'3.375"	pls see the comment page no - 20/20
377		AP-342	GA.-3	DP+0		29°07'21"RT	47	47	11385		TAIDU	23°44'31.07"	91°39'3.108"	
378	AP-204	AP-343	GA.-2	SP+0		05°18'03"LT	27	27	11412	ROAD	TAIDU	23°44'30.38"	91°39'2.514"	
379		AP-344	GA.-3	DP+0		15°56'43"LT	29	29	11441		TAIDU	23°44'29.59"	91°39'1.957"	
380		AP-345	GA.-2	SP+0		01°56'28"RT	26	26	11467		TAIDU	23°44'28.78"	91°39'1.683"	
381		AP-346	GA.-2	SP+0		04°52'31"RT	26	26	11493		TAIDU	23°44'27.96"	91°39'1.406"	
382	AP-205	AP-347	GA.-3	DP+0		25°59'59"LT	26	26	11519		TAIDU	23°44'27.18"	91°39'1.064"	
383		AP-348	GA.-3	DP+0		11°46'03"LT	52	52	11571		TAIDU	23°44'25.49"	91°39'1.187"	
384		AP-349	GA.-3	DP+0		16°15'37"LT	27	27	11598	ROAD	TAIDU	23°44'24.65"	91°39'1.443"	
385	AP-206	AP-350	GA.-3	DP+0		04°41'55"LT	27	27	11625		TAIDU	23°44'23.9"	91°39'1.945"	
386	AP-207	AP-351	GA.-3	DP+0		13°22'17"LT	27	27	11652		TAIDU	23°44'23.19"	91°39'2.518"	
387	AP-208	AP-352	GA.-3	DP+0		34°19'49"RT	28	28	11680		TAIDU	23°44'22.61"	91°39'3.265"	
388	AP-209	AP-353	GA.-3	DP+0		34°30'31"RT	27	27	11707		TAIDU	23°44'21.77"	91°39'3.521"	

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फील्ड सुपरवाइजर/FIELD SUPERVISOR
पॉवरग्रिड/POWERGRID
उ.पू.क्षे., अगरतला/NER, Agartala.

APPROVED BY

SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	PGCIL STANDARD POLE TYPE	TYPE OF POLE	EXT. OF MTR.	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) NORTHING	GPS CO-ORDINATE(WGS-84) EASTING	REMARKS
411	AP-227	AP-374	GA -3	DP+0		11°28'06"RT	39	78	12512		TAIDU	23°44'4.945"	91°39'4.754"	
412	AP-228	AP-375	GA -2	SP+0		07°41'48"RT	27	37	12539		TAIDU	23°44'4.067"	91°39'4.657"	
413	AP-229	AP-376	GA -3	DP+0		28°04'21"LT	25	25	12564		TAIDU	23°44'3.285"	91°39'4.453"	
414	AP-230	AP-377	GA - 4	FP+0		61°12'40"RT	33	33	12597		TAIDU	23°44'2.247"	91°39'4.746"	
415		AP-378	GA - 4	FP+0		63°22'53"RT	56	56	12653	ROAD	TAIDU	23°44'0.993"	91°39'3.311"	
416	AP-231	AP-379	GA -3	DP+0		16°44'52"RT	26	26	12679	ROAD	TAIDU	23°44'1.284"	91°39'2.461"	
417	AP-234	AP-380	GA -3	DP+0		18°12'38"LT	26	26	12705		TAIDU	23°44'1.788"	91°39'1.734"	
418		AP-381	GA -3	DP+0		38°18'21"LT	28	28	12733	ROAD	TAIDU	23°44'2.082"	91°39'0.793"	
419		AP-382	GA -3	DP+0		20°29'20"LT	24	24	12757		TAIDU	23°44'1.815"	91°38'59.98"	
420	AP-237	AP-383	GA -3	DP+0		11°03'27"RT	53	53	12810		TAIDU	23°44'0.697"	91°38'58.54"	
421	AP-238	AP-384	GA -2	SP+0		08°37'10"RT	25	25	12835		TAIDU	23°44'0.3"	91°38'57.77"	
422	AP-240	AP-385	GA -3	DP+0		36°28'33"RT	56	56	12891		TAIDU	23°43'59.6"	91°38'55.98"	
423		385/1	*	SP+4	4		41			ROAD, LT LINE	TAIDU			
424		385/2	GA -1	SP+0			41			LT LINE	TAIDU			
425	AP-244	AP-386	***	DP+4	4	13°04'05"RT	42	124	13015	66 KV LINE	TAIDU	23°44'0.572"	91°38'51.69"	
426	AP-245	AP-387	GA - 4	FP+0		00°00'00"	39	26	13041	NALA	TAIDU S/S	23°44'0.955"	91°38'50.88"	

* Pole schedule with normal pole height (+0m) which are within the permissible max span limit is approved.
* Pole on field:- i) Pole with extension ii) Pole with angle of deviation above the permissible limit iii) Individual span above the max permissible limit. iv) All powerline crossing, Tree crossing, NH/Road crossing detail profile to be submitted
* Report for resubmission after incorporation of above comment
* APS numbers are not matching with the preliminary survey
* Pole number shown is not correct.

TECHNOFAB ENGINEERING LIMITED TRIPURA

पावरग्रिड / POWERGRID
उ.पू.क्षे., अगरतला / NER, Agartala

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PAGE-20/20

उत्तम देबनाथ / UTTAM DEBNATH
उप प्रबंधक / DY. MANAGER
पॉवरग्रिड / POWERGRID
उ.पू.क्षे., अगरतला / NER, Agartala.

उप. महाप्रबंधक / Dy. General Manager
पॉवरग्रिड / POWERGRID
उ.पू.क्षे., अगरतला / NER, Agartala.

APPROVED BY

SL. NO	AFTER ROUTE ALIGNMENT AP. NO	AFTER DETAIL SURVEY AP. NO	POGIL STANDARD POLE TYPE	TYPE OF POLE	EXT. OF MTR.	ANGLE OF DEVIATION	SPAN	SEC. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) NORTHING	GPS CO-ORDINATE(WGS-84) EASTING	REMARKS
							54							
389		AP-354	GA.-3	DP+0		23°50'19"LT		54	11761		TAIDU	23°44'20.11"	91°39'2.901"	
							26							
390	AP-211	AP-355	GA.-4	FP+0		78°45'31"LT		26	11787		TAIDU	23°44'19.26"	91°39'2.982"	
							25							
391	AP-212	AP-356	GA.-2	SP+0		09°06'09"RT		25	11812		TAIDU	23°44'19.17"	91°39'3.866"	
							29							
392		AP-357	GA.-4	FP+0		78°06'00"RT		29	11841		TAIDU	23°44'18.92"	91°39'4.857"	
							28			ROAD, LT LINE				
393	AP-213	AP-358	***	DP+4	4	51°40'51"LT		28	11869		TAIDU	23°44'18.01"	91°39'4.831"	
							26			ROAD				
394	AP-215	AP-359	GA.-3	DP+0		20°33'36"LT		26	11895		TAIDU	23°44'17.46"	91°39'5.543"	
							27							
395		AP-360	GA.-3	DP+0		19°47'56"LT		27	11922		TAIDU	23°44'17.18"	91°39'6.429"	
							45							
396		AP-361	GA.-2	SP+0		04°14'11"RT		45	11967		TAIDU	23°44'17.19"	91°39'8.018"	
							27							
397		AP-362	GA.-3	DP+0		56°59'45"RT		27	11994		TAIDU	23°44'17.14"	91°39'8.932"	
							58							
398	AP-217	AP-363	GA.-3	DP+0		53°47'04"RT		58	12052		TAIDU	23°44'15.49"	91°39'9.978"	pls see the comment page no - 20/20
							17							
399	AP-218	AP-364	GA.-3	DP+0		30°41'46"RT		17	12069		TAIDU	23°44'15"	91°39'9.736"	
							53							
400	AP-219	AP-365	GA.-2	SP+0		09°41'24"LT		53	12122		TAIDU	23°44'14.01"	91°39'8.192"	
							40							
401		365/1	GA.-1	SP+0							TAIDU			
							40							
402	AP-220	AP-366	GA.-2	SP+0		04°50'14"LT		80	12202		TAIDU	23°44'12.2"	91°39'6.198"	
							53							
403		AP-367	GA.-3	DP+0		40°04'04"RT		53	12255		TAIDU	23°44'10.89"	91°39'4.975"	
							26			ROAD				
404		AP-368	GA.-3	DP+0		23°59'21"LT		26	12281		TAIDU	23°44'10.75"	91°39'4.058"	
							50							
405	AP-223	AP-369	GA.-3	DP+0		40°20'14"LT		50	12331		TAIDU	23°44'9.868"	91°39'2.584"	
							24							
406	AP-224	AP-370	GA.-4	FP+0		63°23'47"LT		24	12355		TAIDU	23°44'9.118"	91°39'2.345"	
							28							
407		AP-371	GA.-2	SP+0		01°32'38"LT		28	12383		TAIDU	23°44'8.507"	91°39'3.057"	
							27							
408	AP-225	AP-372	GA.-2	SP+0		06°59'43"LT		27	12410		TAIDU	23°44'7.928"	91°39'3.77"	
							24			ROAD				
409		AP-373	GA.-3	DP+0		49°52'47"RT		24	12434		TAIDU	23°44'7.479"	91°39'4.481"	
							39							
410		373/1	GA.-1	SP+0							TAIDU			

SUBMITTED BY
TECHNOFAB

TECHNOFAB ENGINEERING LIMITED TRIPURA

फील्ड सुपरवाईजर / FIELD SUPERVISOR
पॉवरग्रिड / POWERGRID
उ.पू.क्षे. : अगरतला / NER, Agartala

APPROVED BY

LINE LINK: PROPOSED 33 KV GARJEE S/S TO PROPOSED 33 KV MAHARANI S/S

S.No.	Description	Unit	Quantity	Remarks
A	Pole Height			
1	0 m Extension	457		
2	2 m Extension	25		
3	4 m Extension	67		
B	Crossings			
1	LT Line Crossing	17		
2	11 kV Crossing	30		
3	33 kV Crossing	4		
4	66 kV Crossing	2		
5	132 kV Crossing	2		
6	220 kV Crossing	-		
7	400 kV Crossing	-		
8	NH Crossing	8		
C	Pond Crossing	1		
D	Nala Crossing	6		
E	Road Crossing			
1	Metalled Road	17		
2	Village	30		
F	Span Violation	-		
G	Angle Violation	1		

Note: We have approved 12 m Pole Drawing (0 m Extension) and we have proposed 14 m Pole (2 m Extension) and 16 m Pole (4 m Extension) for crossings.

Approved for all normal poles with spans which are within the permissible limit of individual span & limit of angle of deviation.
put on hold all crossing spans & violation of limitations.
10/11/2017

Recommended for further approval for normal S-J dt, length of pole only except extensions of pole, deviation of angle violation, all sort of crossing & violation of span etc.

Yogesh Kumar Darjee
(Asstt. Manager)
Technofab Engineering Ltd.
Udaipur-Tripura.
SUBMITTED BY:
TECHNOFAB ENGINEERING LTD

रंजित सरकार / RANJIT SARKAR
अभियंता / ENGINEER
CHECKED BY:
P.G.C.I.L.

एम.के.नाथ / M.K. NATH
प्रबंधक / MANAGER
APPROVED BY:
P.G.C.I.L.

POLE SUMMARY

POLE SUMMARY DETAILS							
TRIPURA STATE ASSOCIATED WITH NER POWER SYSTEM IMPROVEMENT PROJECT (DMS PACKAGE-01)							
TRI-DMS-01 (3603) CC-CS/86-NER/REW-2984/1/G2/NOA-1/7166 & 7167 DATE: 22.02.2017							
LINE LINK: PROPOSED 33 KV GARJEE S/S TO PROPOSED 33 KV MAHARANI S/S							
TOTAL LINE LENGTH: 20.104 KM (GARJEE TO BANDUAR CHOWK LINE LENGTH IS 14.625KM)							
S.No.	Type of Pole	Extension	Pole Qty	12 m Pole	14 m Pole	16 m Pole	Remarks
1	SP (GA-01)	0 m	98	98			
2		2 m	1		1		
3		4 m	2			2	
4	SP (GA-02)	0 m	93	93			
5		2 m	4		4		
6		4 m	7			7	
7	DP (GA-03)	0 m	93	186			
8		2 m	10		20		
9		4 m	18			36	
10	FP (GA-04)	0 m	7	28			
11		2 m	0		0		
12		4 m	4			16	
13	SP (Double Circuit)	0 m	0	0			
14		2 m	0		0		
15		4 m	0			0	
16	DP (Double Circuit)	0 m	26	52			
17		2 m	0		0		
18		4 m	1			2	
19	FP (Double Circuit)	0 m	0	0			
20		2 m	0		0		
21		4 m	1			4	
	TOTAL			457	25	67	

NOTE: - FROM GARJEE TO MAHARANI DETAILS SURVEY TOTAL LENGTH IS 20.104 KM AND GARJEE TO BANDUAR BAZAR CHOWK ITS LENGTH IS 14.625 KM AS PER DETAILS SURVEY(AP-1 TO AP-249) AND THIS LENGTH WILL BE CONSIDER AS SINGLE CIRCUIT AND REST OF LINE LENGTH 5.479 KM(FROM BANDUAR BAZAR TO MAHARANI S/S AP-16 TO AP-154) WILL BE CONSIDER FOR DOUBLE CIRCUIT OF BOTH 33KV UDAIPUR TO MAHARANI T/L" AND 33KV GARJEE TO MAHARANI T/L,FROM BANDUAR BAZAR TO MAHARANI S/S (AP-16 TO AP-154) AS PER UDAIPUR TO MAHARANI S/S DETAILS SURVEY DRAWING.

Yogesh Kumar Darjee
(Asstt. Manager)
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Udaipur-Tripura.

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TECHNOFAB ENGINEERING LTD

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SL.NO	AP NO	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
1	NAY	GANTRY	FP+0	0						GARJEE	91°30'45.2"	23°25'25.5"	
						17	17	17					
2	AP-1	1	FP+4	4	71°29'8"LT					GARJEE	91°30'42.7"	23°25'25.8"	
						78	78	45	NH 44, 11kV				
3	AP-2	2	FP+4	4	84°57'54"RT					GARJEE	91°30'42"	23°25'25.1"	Hold
						41	41	86	Nala				
4	AP-3	3	DP+0	0	26°52'48"LT					GARJEE	91°30'41"	23°25'26.1"	
						56	56	121	11kV				
5	AP-4	4	DP+0	0	12°58'32"RT					GARJEE	91°30'39.8"	23°25'26.5"	
						35	35	157	Nala, Village Road				
6	AP-5	5	SP+0	0	1°52'37"RT					GARJEE	91°30'38.8"	23°25'27.2"	SP WITH ANGLE
						29	29	186					
7	AP-6	6	SP+0	0	1°59'16"LT					GARJEE	91°30'38"	23°25'27.7"	SP WITH ANGLE
						39	39	225					
8	AP-7	7	SP+0	0	9°22'46"RT					GARJEE	91°30'36.9"	23°25'28.4"	SP WITH ANGLE
						36	36	261					
9	AP-8	8	DP+0	0	10°27'33"LT					GARJEE	91°30'35.9"	23°25'29.2"	
						38							
10		LOC-8/1	SP+0	0									
						39							
11		LOC-8/2	SP+0	0									
						39							
12		LOC-8/3	SP+0	0									
						39	155	416					
13	AP-9	9	SP+0	0	7°07'55"RT					GARJEE	91°30'31.3"	23°25'31.8"	SP WITH ANGLE
						33	33	449					
14	AP-10	10	SP+0	0	6°23'36"LT					GARJEE	91°30'30.4"	23°25'32.6"	SP WITH ANGLE
						39	39	488					
15	AP-11	11	DP+0	0	2°16'31"RT					GARJEE	91°30'29.3"	23°25'33.2"	
						33	33	521	11kV				Hold
16	AP-12	12	SP+0	0	5°35'32"LT					GARJEE	91°30'28.3"	23°25'33.8"	SP WITH ANGLE
						38	38	559	Village Road				
17	AP-13	13	DP+0	0	4°19'35"LT					GARJEE	91°30'27.1"	23°25'34.4"	
						43	43	602					
18	AP-14	14	D/C DP+0	0	18°54'47"RT					GARJEE	91°30'25.7"	23°25'34.9"	DRLINE
						43	43	645	11kV				Hold
19	AP-15	15	SP+4	4	1°40'24"LT					GARJEE	91°30'24.5"	23°25'35.7"	SP WITH ANGLE
						36	36	681	11kV				
20	AP-16	16	SP+4	4	8°5'22"RT						91°30'23.4"	23°25'36.4"	SP WITH ANGLE
						36	36	717	Village Road				
21	AP-17	17	DP+2	2	17°54'45"RT					GARJEE	91°30'22.5"	23°25'37.2"	
						41	41	758					
22	AP-18	18	DP+0	0	10°17'09"LT					GARJEE	91°30'21.8"	23°25'38.2"	
						36	36	794					
23	AP-19	19	SP+0	0	9°44'20"RT					GARJEE	91°30'21"	23°25'39.1"	SP WITH ANGLE
						41	41	835	Village Road				
24	AP-20	20	SP+0	0	4°45'56"RT					GARJEE	91°30'20.2"	23°25'40.1"	SP WITH ANGLE
						32	32	867					
25	AP-21	21	SP+2	2	00°44'52"RT					GARJEE	91°30'19.7"	23°25'41.1"	SP WITH ANGLE
						40	40	907	LT Line				Hold
26	AP-22	22	DP+2	2	12°15'18"LT					GARJEE	91°30'19.1"	23°25'42.1"	
						42	42	949	LT Line				
27	AP-23	23	SP+2	2	2°10'26"RT					GARJEE	91°30'18.2"	23°25'43.6"	SP WITH ANGLE
						42	42	991					
28	AP-24	24	DP+2	2	35°28'18"LT					GARJEE	91°30'17.3"	23°25'44.7"	Hold
						42	42	1033	Village Road, LT Line				
29	AP-25	25	SP+4	4	7°5'45"LT					GARJEE	91°30'16"	23°25'45.3"	SP WITH ANGLE
						35			11kV				
30		LOC-25/1	SP+4	4						GARJEE			
						42							
31		LOC-25/2	SP+0	0									Hold
						42	118	1152	Village Road				
32	AP-26	26	SP+0	0	6°14'42"RT					GARJEE	91°30'13.1"	23°25'46.3"	SP WITH ANGLE
						42		1152					
33		LOC-26/1	SP+2	2						GARJEE			
						42	84	1236	LT Line				Hold
34	AP-27	27	DP+2	2	1°57'13"RT					GARJEE	91°30'9.5"	23°25'48"	
						44							
35		LOC-27/1	SP+4	4						GARJEE			
						45	87	1323	LT Line				
36	AP-28	28	DP+2	2	11°22'12"RT					GARJEE	91°30'6.9"	23°25'49.4"	Hold
						44	44	1367					
37	AP-29	29	D/C DP+0	0	17°38'22"RT					GARJEE	91°30'5.7"	23°25'50.4"	DRLINE

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SL.NO	AP NO	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUML'TV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
						40	40	1407					
38	AP-30	30	SP+0	0	8°11'38"RT					GARJEE	91°30'5"	23°25'51.5"	SP WITH ANGLE
						31	31	1438					
39	AP-31	31	SP+0	0	8°5'55"LT					GARJEE	91°30'4.6"	23°25'52.4"	SP WITH ANGLE
						35	35	1473					
40	AP-32	32	SP+2	2	3°16'28"RT					UTTAR GARJEE CHARA	91°30'3.9"	23°25'53.4"	SP WITH ANGLE
						40	40	1513	Village Road, LT Line				
41	AP-33	33	SP+2	2	8°56'30"LT					UTTAR GARJEE CHARA	91°30'3.3"	23°25'54.5"	SP WITH ANGLE
						43	43	1556	33kV				
42	AP-34	34	SP+0	0	5°06'36"LT					UTTAR GARJEE CHARA	91°30'2.4"	23°25'55.8"	SP WITH ANGLE
						42	42	1598					
43	AP-35	35	DP+0	0	4°08'05"RT					UTTAR GARJEE CHARA	91°30'1.4"	23°25'56.7"	
						40	40	1638	Village Road				
44	AP-36	36	SP+0	0	4°48'15"LT					UTTAR GARJEE CHARA	91°30'0.5"	23°25'57.7"	SP WITH ANGLE
						40	40	1678					
45	AP-37	37	SP+0	0	8°54'38"LT					UTTAR GARJEE CHARA	91°29'59.6"	23°25'58.7"	SP WITH ANGLE
						40	40	1718					
46	AP-38	38	DP+0	0	19°03'25"RT					UTTAR GARJEE CHARA	91°29'58.5"	23°25'59.5"	
						43	43	1761					
47	AP-39	39	SP+0	0	6°31'48"LT					UTTAR GARJEE CHARA	91°29'57.7"	23°26'0.3"	SP WITH ANGLE
						42	42	1803	11kV				
48	AP-40	40	SP+0	0	6°32'14"RT					UTTAR GARJEE CHARA	91°29'56.7"	23°26'1.7"	SP WITH ANGLE
						42	42	1845					
49	AP-41	41	DP+0	0	52°01'38"RT					UTTAR GARJEE CHARA	91°29'55.9"	23°26'2.9"	
						28	28	1873	NH-4A				
50	AP-42	42	DP+0	0	57°17'48"LT					UTTAR GARJEE CHARA	91°29'56.7"	23°26'3.7"	
						44							
51		LOC-42/1	SP+0	0									
						43	86	1959					
52	AP-43	43	SP+0	0	2°33'59"RT					UTTAR GARJEE CHARA	91°29'54.2"	23°26'5.9"	SP WITH ANGLE
						41							
53		LOC-43/1	SP+0	0									
						42	83	2042					
54	AP-44	44	SP+0	0	1°5'58"LT					UTTAR GARJEE CHARA	91°29'52.5"	23°26'8.1"	SP WITH ANGLE
						36							
55		LOC-44/1	SP+0	0									
						39	75	2117					
56	AP-45	45	DP+0	0	14°28'11"RT					UTTAR GARJEE CHARA	91°29'50.8"	23°26'10"	
						31	31	2148					
57	AP-46	46	SP+0	0	8°52'19"RT					UTTAR GARJEE CHARA	91°29'50.4"	23°26'10.9"	SP WITH ANGLE
						39							
58		LOC-46/1	SP+0	0									
						39	78	2226					
59	AP-47	47	DP+0	0	12°46'48"RT					UTTAR GARJEE CHARA	91°29'49.7"	23°26'13.4"	
						45							
60		LOC-47/1	SP+0	0									
						45							
61		LOC-47/2	SP+0	0									
						45	135	2361	Metal Road				
62	AP-48	48	DP+0	0	31°28'35"RT					UTTAR GARJEE CHARA	91°29'49.6"	23°26'17.8"	
						39							
63		LOC-48/1	SP+0	0									
						39	78	2439					
64	AP-49	49	SP+0	0	5°36'9"RT					UTTAR GARJEE CHARA	91°29'50.6"	23°26'20"	SP WITH ANGLE
						35							
65		LOC-49/1	SP+0	0									
						36							
66		LOC-49/2	SP+0	0									
						35	106	2545					
67	AP-50	50	DP+0	0	21°37'38"LT					UTTAR GARJEE CHARA	91°29'53.1"	23°26'22.8"	
						32	32	2577					
68	AP-51	51	SP+0	0	2°23'01"RT					UTTAR GARJEE CHARA	91°29'53.6"	23°26'23.8"	SP WITH ANGLE
						44	44	2621	33kV				
69	AP-52	52	DP+0	0	19°31'51"LT					UTTAR GARJEE CHARA	91°29'53.8"	23°26'25.2"	
						40	40	2661					
70	AP-53	53	DP+0	0	14°32'36"LT					UTTAR GARJEE CHARA	91°29'53.7"	23°26'26.3"	
						40	40	2701					
71	AP-54	54	SP+0	0	5°25'39"LT					NATIN TILA	91°29'55.3"	23°26'27.7"	SP WITH ANGLE
						39							
72		LOC-54/1	SP+0	0									
						37	76	2777					
73	AP-55	55	SP+0	0	3°18'02"RT					NATIN TILA	91°29'52.3"	23°26'30"	SP WITH ANGLE
						41							

Hold

Hold

Hold

Hold

Hold

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SL.NO	AP NO	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
74		LOC-55/1	SP+0	0									
						42	81	2858					
75	AP-56	56	DP+0	0	13°17'11"RT					NATIN TILA	91°29'51.4"	23°26'32.0"	
						40	40	2898					
76	AP-57	57	SP+0	0	5°35'18"LT					NATIN TILA	91°29'51.2"	23°26'33.8"	SP WITH ANGLE
						42							
77		LOC-57/1	SP+0	0									
						45							
78		LOC-57/2	SP+0	0									
						41	126	3024					
79	AP-58	58	SP+0	0	4°10'20"LT					NATIN TILA	91°29'50.4"	23°26'37.8"	SP WITH ANGLE
						39	39	3063					
80	AP-59	59	DP+0	0	3°59'23"LT					NATIN TILA	91°29'50"	23°26'39"	
						40							
81		LOC-59/1	SP+0	0									
						33	73	3136					
82	AP-60	60	DP+0	0	17°39'26"LT					NATIN TILA	91°29'49.2"	23°26'41.3"	
						38							
83		LOC-60/1	SP+0	0									
						42	80	3216					
84	AP-61	61	DP+0	0	10°55'22"RT					NATIN TILA	91°29'47.5"	23°26'43.4"	
						38	38	3254					
85	AP-62	62	DP+0	0	20°24'30"RT					NATIN TILA	91°29'46.9"	23°26'44.2"	
						37							
86		LOC-62/1	SP+0	0									
						40							
87		LOC-62/2	DP+4	4						NATIN TILA			USE DP FOR POWER LINE CROSSING
						37			11kV				Hold
88		LOC-62/3	DP+4	4						NATIN TILA			USE DP FOR POWER LINE CROSSING
						42							
89		LOC-62/4	SP+0	0									
						35	184	3438					
90	AP-63	63	SP+0	0	5°45'38"RT					NATIN TILA	91°29'46.3"	23°26'50.4"	SP WITH ANGLE
						35							
91		LOC-63/1	SP+0	0									
						35							
92		LOC-63/2	SP+0	0									
						38	105	3543					
93	AP-64	64	DP+4	4	88°23'43"LT					NATIN TILA	91°29'46.5"	23°26'53.8"	Hold
						26	26	3569	NH-66,11kV	NATIN TILA	91°29'45.8"	23°26'54.1"	
94	AP-65	65	DP+4	4	56°06'25"RT								
						32	32	3601	Village Road	NATIN TILA	91°29'46.1"	23°26'55.1"	SP WITH ANGLE
95	AP-66	66	SP+0	0	8°02'35"LT								
						35							
96		LOC-66/1	SP+0	0									
						41	76	3677					
97	AP-67	67	DP+0	0	11°30'06"LT					NATIN TILA	91°29'46.6"	23°26'58"	
						44							
98		LOC-67/1	SP+0	0									
						44	88	3765					
99	AP-68	68	DP+4	4	3°53'36"RT					NATIN TILA	91°29'46.3"	23°27'0.8"	SP WITH ANGLE
						43	43	3808	11kV line				Hold
100	AP-69	69	SP+4	4	9°28'36"LT					NATIN TILA	91°29'46.3"	23°27'2.2"	SP WITH ANGLE
						38	38	3846	Metal Road				
101	AP-70	70	DP+0	0	16°27'26"RT					NATIN TILA	91°29'46.1"	23°27'3.2"	
						45							
102		LOC-70/1	SP+0	0									
						40							
103		LOC-70/2	SP+0	0									
						45	135	3981					
104	AP-71	71	SP+0	0	8°31'29"LT					NATIN TILA	91°29'47.1"	23°27'7.1"	SP WITH ANGLE
						42	42	4023					
105	AP-72	72	DP+0	0	18°46'49"LT					NATIN TILA	91°29'47.2"	23°27'8.9"	
						40	40	4063					
106	AP-73	73	SP+0	0	3°27'45"RT					NATIN TILA	91°29'46.8"	23°27'10.2"	SP WITH ANGLE
						45	45	4108					
107	AP-74	74	DP+0	0	17°08'58"LT					NATIN TILA	91°29'46.4"	23°27'11.6"	
						40							
108		LOC-74/1	SP+0	0									
						45	85	4193	Village Road				Hold
109	AP-75	75	SP+0	0	11°34'38"LT					NATIN TILA	91°29'45"	23°27'13.9"	

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उ.पू.क्षे. उदयपुर / NER, UDAIPUR

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SL.NO	AP NO	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
						33							
110		LOC-75/1	SP+0	0									
						43							
111		LOC-75/2	SP+0	0									
						40	110	4305					
112	AP-76	76	SP+0	0	3°48'26"RT					NATIN TILA	91°29'43.2"	23°27'16.8"	SP WITH ANGLE
						45	45	4350					
113	AP-77	77	SP+0	0	3°42'39"RT					NATIN TILA	91°29'41.2"	23°27'18"	SP WITH ANGLE
						45	45	4395					
114	AP-78	78	DP+0	0	7°24'29"RT					NATIN TILA	91°29'40.4"	23°27'19.2"	
						35							
115		LOC-78/1	SP+0	0									
						35							
116		LOC-78/2	SP+0	0									Hold
						35	105	4500	11kV				
117	AP-79	79	SP+0	0	1°44'54"RT					NATIN TILA	91°29'38.9"	23°27'22.3"	SP WITH ANGLE
						37							
118		LOC-79/1	SP+0	0									Hold
						37	74	4574	Village Road				
119	AP-80	80	DP+0	0	4°46'8"RT					NATIN TILA	91°29'37.8"	23°27'24.3"	
						38							
120		LOC-80/1	SP+0	0									
						40							
121		LOC-80/2	SP+0	0									
						42							
122		LOC-80/3	SP+0	0									
						42							
123		LOC-80/4	SP+0	0									
						45							
124		LOC-80/5	DP+0	0									USE DP AS A SECTION POLE
						37							
125		LOC-80/6	SP+0	0									
						40	289	4863					
126	AP-81	81	SP+0	0	8°31'44"LT					NATIN TILA	91°29'34.0"	23°27'33.4"	SP WITH ANGLE
						40							
127		LOC-81/1	SP+0	0									
						40	80	4943	11kV				Hold
128	AP-82	82	FP+0	0	83°14'22"RT					NATIN TILA	91°29'33.6"	23°27'35.8"	
						39	39	4982	33kV				
129	AP-83	83	FP+0	0	87°24'55"LT					NATIN TILA	91°29'31.1"	23°27'36.2"	
						41							
130		LOC-83/1	SP+0	0									
						41	82	5064					
131	AP-84	84	DP+0	0	12°37'51"RT					NATIN TILA	91°29'32.9"	23°27'38.5"	
						42	42	5106					
132	AP-85	85	DP+0	0	19°6'35"LT					NATIN TILA	91°29'32.5"	23°27'39.9"	
						42							
133		LOC-85/1	SP+0	0									
						42	84	5190					
134	AP-86	86	SP+0	0	1°38'38"RT					NATIN TILA	91°29'31"	23°27'42.2"	SP WITH ANGLE
						42							
135		LOC-86/1	SP+0	0									
						42	84	5254					
136	AP-87	87	DP+0	0	11°44'35"RT					PARATIYA	91°29'29.5"	23°27'44.5"	
						42	42	5296					
137	AP-88	88	SP+0	0	0°38'52"RT					PARATIYA	91°29'29"	23°27'45.9"	SP WITH ANGLE
						42			Village Road				Hold
138		LOC-88/1	SP+0	0									
						42	84	5380					
139	AP-89	89	SP+0	0	3°56'35"RT					PARATIYA	91°29'28.1"	23°27'48.4"	SP WITH ANGLE
						43	43	5423					
140	AP-90	90	SP+0	0	9°0'21"RT					PARATIYA	91°29'27.7"	23°27'49.6"	SP WITH ANGLE
						42							
141		LOC-90/1	SP+0	0									
						42	84	5507					
142	AP-91	91	DP+0	0	8°46'18"RT					PARATIYA	91°29'27.4"	23°27'53.5"	
						42							
143		LOC-91/1	SP+0	0									
						42							
144		LOC-91/2	SP+0	0									
						42	126	5633					
145	AP-92	92	SP+0	0	4°5'45"RT					PARATIYA	91°29'27.6"	23°27'55.6"	SP WITH ANGLE
						42	42	5675					

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SL NO	AP NO	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUML'TV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
146	AP-93	93	SP+0	0	8°13'54"LT					PARATIYA	91°29'27.7"	23°27'57.8"	SP WITH ANGLE
						42	42	5717					
147	AP-94	94	SP+0	0	4°56'40"RT					PARATIYA	91°29'27.7"	23°27'59.8"	SP WITH ANGLE
						42							
148		LOC-94/1	DP+4	4									USE DP FOR POWER LINE CROSSING
						42			LIKV, Village Road				Hold
149		LOC-94/2	DP+4	4									USE DP FOR POWER LINE CROSSING
						42							
150		LOC-94/3	SP+0	0									
						42	168	5885					
151	AP-95	95	SP+0	0	8°1'8"LT					PARATIYA	91°29'28"	23°28'4.8"	SP WITH ANGLE
						42	42	5927					
152	AP-96	96	DP+0	0	16°34'43"RT					PARATIYA	91°29'27.9"	23°28'6.1"	
						42							
153		LOC-96/1	SP+0	0									
						42	84	6011					
154	AP-97	97	SP+0	0	3°18'16"RT					PARATIYA	91°29'28.5"	23°28'8.8"	SP WITH ANGLE
						45	45	6056					
155	AP-98	98	SP+0	0	9°10'6"RT					PARATIYA	91°29'28.9"	23°28'10.2"	SP WITH ANGLE
						43	43	6099					
156	AP-99	99	SP+0	0	1°46'50"RT					PARATIYA	91°29'29.6"	23°28'11.8"	SP WITH ANGLE
						45	45	6144					
157	AP-100	100	DP+0	0	18°29'46"LT					PARATIYA	91°29'30.3"	23°28'12.8"	
						45	45	6189					
158	AP-101	101	DP+0	0	12°46'29"LT					PARATIYA	91°29'30.5"	23°28'14.2"	
						45	45	6234					
159	AP-102	102	SP+0	0	6°44'57"LT					PARATIYA	91°29'29.8"	23°28'15.6"	SP WITH ANGLE
						41	41	6275					
160	AP-103	103	SP+0	0	2°51'45"LT					PARATIYA	91°29'29.1"	23°28'16.7"	SP WITH ANGLE
						42							
161		LOC-103/1	SP+0	0									
						42	84	6359					
162	AP-104	104	SP+0	0	2°9'15"RT					PARATIYA	91°29'27.1"	23°28'18"	SP WITH ANGLE
						45	45	6404					
163	AP-105	105	DP+0	0	12°4'12"LT					PARATIYA	91°29'26.7"	23°28'20.3"	
						42	42	6446					
164	AP-106	106	SP+0	0	6°35'26"LT					PARATIYA	91°29'25.7"	23°28'21.3"	SP WITH ANGLE
						42							
165		LOC-106/1	SP+0	0									
						42	84	6530					
166	AP-107	107	DP+0	0	20°44'43"LT					PARATIYA	91°29'23.5"	23°28'23.1"	
						43	43	6573					
167	AP-108	108	DP+0	0	54°35'9"RT					PARATIYA	91°29'22"	23°28'23.8"	
						43	43	6616					
168	AP-109	109	DP+0	0	25°22'25"LT					PARATIYA	91°29'21.6"	23°28'24.8"	
						43	43	6659					
169	AP-110	110	DP+0	0	28°34'36"RT					PARATIYA	91°29'20.7"	23°28'26'	
						45	45	6704					
170	AP-111	111	DP+0	0	18°58'16"RT					PARATIYA	91°29'20.2"	23°28'27.4"	
						42	42	6746					
171	AP-112	112	DP+0	0	17°43'30"RT					PARATIYA	91°29'19.5"	23°28'28.8"	
						42							
172		LOC-112/1	SP+0	0									
						42	84	6830					
173	AP-113	113	DP+0	0	30°46'15"LT					PARATIYA	91°29'19.6"	23°28'31.3"	
						45	45	6875					
174	AP-114	114	DP+0	0	17°7'14"RT					PARATIYA	91°29'21.5"	23°28'32.7"	
						43	43	6918					
175	AP-115	115	SP+0	0	7°39'52"LT					PARATIYA	91°29'21.4"	23°28'34.1"	SP WITH ANGLE
						45							
176		LOC-115/1	SP+0	0									
						42							
177		LOC-115/2	SP+0	0									
						42							
178		LOC-115/3	SP+0	0									
						42							
179		LOC-115/4	SP+0	0									
						43	214	7132					
180	AP-116	116	DP+4	4	13°34'42"RT					PARATIYA	91°29'23.8"	23°28'41.1"	
						45	45	7177	LT Line				Hold
181	AP-117	117	DP+4	4	16°27'16"RT					PARATIYA	91°29'21.6"	23°28'43.5"	

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SL.NO	AP NO	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
						43	43	7232					
182	AP-118	118	DP+0	0	11°51'40"RT					PARATIYA	91°29'22.4"	23°28'43.7"	
						42			11kV				
183		LOC-118/1	SP+0	0									
						42	84	7314					
184	AP-119	119	DP+0	0	11°43'30"LT					PARATIYA	91°29'16.9"	23°28'45.8"	
						45	45	7359					
185	AP-120	120	D/C DP+0	0	19°26'18"RT					PARATIYA	91°29'25.1"	23°28'47"	ONLINE
						42	42	7401					
186	AP-121	121	D/C DP+0	0	18°3'35"LT					PARATIYA	91°29'26.2"	23°28'47.8"	ONLINE
						42	42	7443	Village Road				
187	AP-122	122	D/C DP+0	0	10°6'42"LT					PARATIYA	91°29'27"	23°28'49.1"	ONLINE
						42			Nala				
188		LOC-122/1	D/C DP+0	0									ONLINE
						40	80	7523	11kV				
189	AP-123	123	D/C DP+0	0	4°59'19"LT					PARATIYA	91°29'28"	23°28'51.6"	ONLINE
						42	42	7565					
190	AP-124	124	D/C DP+0	0	20°43'2"LT					PARATIYA	91°29'28.4"	23°28'52.9"	ONLINE
						42	42	7608	Metal Road				
191	AP-125	125	D/C DP+0	0	5°16'41"LT					PARATIYA	91°29'28.9"	23°28'54.8"	ONLINE
						42			Metal Road				
192		LOC-125/1	D/C DP+0	0									ONLINE
						42	84	7692					
193	AP-126	126	D/C DP+0	0	5°59'57"LT					PARATIYA	91°29'27.8"	23°28'56.5"	ONLINE
						45	45	7736					
194	AP-127	127	SP+0	0	7°9'46"RT					PARATIYA	91°29'27.4"	23°28'58.4"	SP WITH ANGLE
						45	45	7779					
195	AP-128	128	DP+2	2	18°8'28"RT					PARATIYA	91°29'27.1"	23°28'59.8"	
						39	39	7818	11kV Line, Village Road				
196	AP-129	129	DP+2	2	12°32'5"RT					PARATIYA	91°29'27.3"	23°29'0.7"	
						42	42	7844					
197	AP-130	130	D/C DP+0	0	2°49'20"RT					PARATIYA	91°29'27.8"	23°29'2"	ONLINE
						42	42	7886					
198	AP-131	131	SP+0	0	5°21'18"LT					PARATIYA	91°29'28.6"	23°29'3.2"	SP WITH ANGLE
						45	45	7931					
199	AP-132	132	DP+2	0	15°1'29"LT					PARATIYA	91°29'29.2"	23°29'4.6"	
						55	55	7986					
200	AP-133	133	SP+0	0	3°25'5"RT					PARATIYA	91°29'29.3"	23°29'5.7"	SP WITH ANGLE
						45	45	8011	Village Road				
201	AP-134	134	DP+2	2	19°32'30"LT					PARATIYA	91°29'29.6"	23°29'7.1"	
						42	42	8053	11kV, 2 nos LT Line				
202	AP-135	135	SP+4	4	1°0'43"RT					CHANDRAPURA(4 NO)	91°29'29.4"	23°29'9.5"	SP WITH ANGLE
						42	42	8095					
203	AP-136	136	SP+0	0	4°9'52"LT					CHANDRAPURA(4 NO)	91°29'26.2"	23°29'9.8"	SP WITH ANGLE
						42							
204		LOC-136/1	SP+0	0									
						42							
205		LOC-136/2	SP+0	0									
						42							
206		LOC-136/3	SP+0	0									
						42	168	8263					
207	AP-137	137	DP+0	0	1°29'40"RT					CHANDRAPURA(4 NO)	91°29'29"	23°29'15.2"	
						42	42	8305	Metal Road				
208	AP-138	138	DP+0	0	10°12'55"RT					CHANDRAPURA(4 NO)	91°29'27.8"	23°29'16.3"	
						42	42	8347					
209	AP-139	139	DP+0	0	17°41'16"RT					CHANDRAPURA(4 NO)	91°29'27.8"	23°29'17.9"	
						42	42	8389					
210	AP-140	140	DP+0	0	31°12'39"RT					CHANDRAPURA(4 NO)	91°29'28.2"	23°29'19.2"	
						40	40	8429					
211	AP-141	141	SP+0	0	2°57'10"LT					CHANDRAPURA(4 NO)	91°29'29.5"	23°29'20"	SP WITH ANGLE
						42	42	8471					
212	AP-142	142	DP+0	0	10°28'8"LT					CHANDRAPURA(4 NO)	91°29'30.4"	23°29'21"	
						42	42	8513	Village Road				
213	AP-143	143	DP+0	0	10°12'4"RT					CHANDRAPURA(4 NO)	91°29'31.2"	23°29'22.1"	
						45	45	8558					
214	AP-144	144	D/C DP+0	0	11°27'16"LT					CHANDRAPURA(4 NO)	91°29'32.4"	23°29'23.1"	ONLINE
						45	45	8603					
215	AP-145	145	D/C DP+0	0	2°0'27"RT					CHANDRAPURA(4 NO)	91°29'33.3"	23°29'24.3"	ONLINE
						45	45	8648					
216	AP-146	146	SP+0	0	7°5'40"LT					CHANDRAPURA(4 NO)	91°29'34.2"	23°29'25.3"	SP WITH ANGLE
						45							
217		LOC-146/1	SP+0	0									
						43							

Hold

Hold

Hold

Hold

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218		LOC-146/2	SP+0	0									
						45							
219		LOC-146/3	SP+0	0									
						45			Metal Road				
220		LOC-146/4	SP+0	0									
						45							
221		LOC-146/5	SP+0	0									
						32	255	8923					
222	AP-147	147	DP+0	0	19°14'52"RT					CHANDRAPUR(4 NO)	91°29'38.6"	23°29'32.7"	
						42	42	8945	11kV, LT Line				
223	AP-148	148	DP+0	0	17°42'16"LT					CHANDRAPUR(4 NO)	91°29'39.7"	23°29'33.6"	
						45	45	8990	11kV, LT Line, Village Road				
224	AP-149	149	DP+0	0	56°45'52"LT					BELTOLI UTTAR CHANDRAPUR	91°29'40.5"	23°29'34.9"	
						34	34	9024	Metal Road				
225	AP-150	150	SP+0	0	9°47'25"LT					BELTOLI UTTAR CHANDRAPUR	91°29'40"	23°29'35.9"	SP WITH ANGLE
						45	45	9069					
226	AP-151	151	SP+0	0	0°30'2"LT					BELTOLI UTTAR CHANDRAPUR	91°29'39"	23°29'37.1"	SP WITH ANGLE
						45	45	9114	Metal Road				
227	AP-152	152	SP+0	0	1°13'8"RT					BELTOLI UTTAR CHANDRAPUR	91°29'37.9"	23°29'38.1"	SP WITH ANGLE
						42	42	9156					
228	AP-153	153	SP+0	0	7°56'17"RT					BELTOLI UTTAR CHANDRAPUR	91°29'37"	23°29'39.2"	SP WITH ANGLE
						45							
229		LOC-153/1	SP+0	0									
						45	90	9246					
230	AP-154	154	DP+0	0	16°30'30"RT					BELTOLI UTTAR CHANDRAPUR	91°29'35.1"	23°29'41.3"	
						45	45	9291					
231	AP-155	155	DP+0	0	21°28'38"RT					BELTOLI UTTAR CHANDRAPUR	91°29'34.6"	23°29'42.8"	
						42	42	9333					
232	AP-156	156	SP+0	0	7°56'10"RT					BELTOLI UTTAR CHANDRAPUR	91°29'34.4"	23°29'44.8"	SP WITH ANGLE
						42							
233		LOC-156/1	SP+0	0									
						42							
234		LOC-156/2	SP+0	0									
						45	129	9462	Village Road				
235	AP-157	157	FP+0	0	70°13'23"LT					BELTOLI UTTAR CHANDRAPUR	91°29'35.3"	23°29'48.4"	
						20	20	9482	33kV				
236	AP-158	158	FP+0	0	68°19'42"RT					BELTOLI UTTAR CHANDRAPUR	91°29'34.7"	23°29'48.7"	
						35							
237		LOC-158/1	SP+0	0									
						45	80	9562					
238	AP-159	159	DP+4	4	8°18'35"LT					BELTOLI UTTAR CHANDRAPUR	91°29'35.1"	23°29'51.3"	
						42	42	9604	33kV				
239	AP-160	160	DP+4	4	5°16'37"RT					BELTOLI UTTAR CHANDRAPUR	91°29'35.1"	23°29'52.7"	
						42	42	9646					
240	AP-161	161	SP+0	0	0°36'24"LT					BELTOLI UTTAR CHANDRAPUR	91°29'35.4"	23°29'54"	SP WITH ANGLE
						42	42	9688					
241	AP-162	162	SP+0	0	1°42'6"RT					BELTOLI UTTAR CHANDRAPUR	91°29'35.8"	23°29'55.4"	SP WITH ANGLE
						42	42	9730					
242	AP-163	163	DP+0	0	11°2'27"RT					BELTOLI UTTAR CHANDRAPUR	91°29'35.9"	23°29'56.7"	
						42	42	9772					
243	AP-164	164	SP+0	0	3°7'53"LT					BELTOLI UTTAR CHANDRAPUR	91°29'36.4"	23°29'58"	SP WITH ANGLE
						42	42	9814					
244	AP-165	165	SP+0	0	8°39'26"RT					BELTOLI UTTAR CHANDRAPUR	91°29'36.9"	23°29'59.3"	SP WITH ANGLE
						45	45	9859					

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SL.NO	AP NO	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
245	AP-166	166	SP+0	0	6°10'18"LT					BELTOLI UTTAR CHANDRAPUR	91°29'57.6"	23°30'0.6"	SP WITH ANGLE
						43	43	9902					
246	AP-167	167	SP+0	0	7°25'0"LT					BELTOLI UTTAR CHANDRAPUR	91°29'58.2"	23°30'1.9"	SP WITH ANGLE
						45	45	9947	LT Line				
247	AP-168	168	SP+0	0	1°18'9"LT					BELTOLI UTTAR CHANDRAPUR	91°29'58.3"	23°30'3.3"	SP WITH ANGLE
						45	45	9992					
248	AP-169	169	DP+0	0	9°53'54"LT					MATA BARI	91°29'59.9"	23°30'4.7"	
						45	45	10037	Village Road				
249	AP-170	170	DP+0	0	16°9'24"RT					MATA BARI	91°29'59.1"	23°30'6.2"	
						45	45	10082					
250	AP-171	171	SP+0	0	1°50'43"RT					MATA BARI	91°29'58.7"	23°30'7.5"	SP WITH ANGLE
						42	42	10124					
251	AP-172	172	SP+0	0	2°31'12"RT					MATA BARI	91°29'40.5"	23°30'8.8"	SP WITH ANGLE
						42							
252		LOC-172/1	SP+0	0									
						42							
253		LOC-172/2	SP+0	0									
						42	126	10250					
254	AP-173	173	SP+0	0	0°55'18"RT					MATA BARI	91°29'42.3"	23°30'12.5"	SP WITH ANGLE
						45	45	10293					
255	AP-174	174	DP+0	0	1°56'17"LT					MATA BARI	91°29'43"	23°30'13.7"	
						42							
256		LOC-174/1	SP+0	0									
						42							
257		LOC-174/2	SP+0	0									
						42							
258		LOC-174/3	SP+0	0									
						42	168	10462					
259	AP-175	175	SP+0	0	2°35'21"LT					MATA BARI	91°29'45.6"	23°30'18.7"	SP WITH ANGLE
						42							
260		LOC-175/1	SP+0	0									
						45	87	10550	Village Road				
261	AP-176	176	DP+0	0	1°8'44"LT					MATA BARI	91°29'46.9"	23°30'21.2"	
						45	45	10595					
262	AP-177	177	DP+0	0	63°11'37"RT					MATA BARI	91°29'47.6"	23°30'22.4"	
						20	20	10615	NH-44				
263	AP-178	178	DP+4	4	69°2'49"LT					MATA BARI	91°29'48.3"	23°30'22.6"	
						42	42	10657	LVEL				
264	AP-179	179	SP+4	4	2°14'44"RT					MATA BARI	91°29'48.7"	23°30'23.9"	SP WITH ANGLE
						34	34	10691					
265	AP-180	180	DP+0	0	11°10'22"LT					MATA BARI	91°29'49.2"	23°30'24.9"	
						42			Village Road				
266		LOC-180/1	SP+0	0									
						42	84	10775					
267	AP-181	181	SP+0	0	2°37'31"LT					MATA BARI	91°29'49.7"	23°30'27.6"	SP WITH ANGLE
						36	36	10811					
268	AP-182	182	DP+0	0	12°10'55"LT					MATA BARI	91°29'49.8"	23°30'28.9"	
						34	34	10837					
269	AP-183	183	DP+0	0	38°47'20"LT					MATA BARI	91°29'49.7"	23°30'29.6"	
						18	18	10855	NH-44				
270	AP-184	184	DP+0	0	45°16'7"RT					MATA BARI	91°29'49.5"	23°30'30.1"	
						42	42	10897	Metal Road				
271	AP-185	185	SP+0	0	7°17'9"LT					MATA BARI	91°29'49.5"	23°30'31.4"	SP WITH ANGLE
						45	45	10942					
272	AP-186	186	DP+0	0	14°46'34"RT					MATA BARI	91°29'49.4"	23°30'32.8"	
						45	45	10987					
273	AP-187	187	DP+0	0	14°28'22"RT					MATA BARI	91°29'49.8"	23°30'34.3"	
						38	38	11025	11KV, Village Road				
274	AP-188	188	DP+0	0	18°2'3"RT					MATA BARI	91°29'50.4"	23°30'35.4"	
						45	45	11070	LVEL				
275	AP-189	189	SP+0	0	2°11'3"LT					MATA BARI	91°29'51.5"	23°30'36.4"	SP WITH ANGLE
						42	42	11112					
276	AP-190	190	SP+0	0	0°0'1"LT					MATA BARI	91°29'52.5"	23°30'37.6"	SP WITH ANGLE
						42	42	11154					
277	AP-191	191	SP+0	0	4°40'7"RT					MATA BARI	91°29'53.8"	23°30'38.6"	SP WITH ANGLE
						45	45	11199					
278	AP-192	192	SP+0	0	4°59'27"LT					MATA BARI	91°29'54.3"	23°30'39.7"	SP WITH ANGLE
						45	45	11244					
279	AP-193	193	SP+0	0	1°53'16"RT					MATA BARI	91°29'55.2"	23°30'40.9"	SP WITH ANGLE
						43	43	11287	Nala				

Hold

Hold

Hold

Hold

Hold

Hold

Hold

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एम.के. [illegible] / M.K. [illegible]
प्रबंधक / MANAGER
[illegible] / APPROVED BY
[illegible] / NPSIL

SL.NO	AP.NO	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
280	AP-194	194	DP+0	0	0°4'33"RT					MATA BARI	91°29'56.1"	23°30'4.2"	
						42							
281		LOC-194/1	SP+0	0									
						42							
282		LOC-194/2	SP+0	0									
						41	125	11412					
283	AP-195	195	SP+0	0	2°55'33"LT					MATA BARI	91°29'58.7"	23°30'45.3"	SP WITH ANGLE
						42	42	11454					
284	AP-196	196	SP+0	0	0°59'13"RT					MATA BARI	91°29'59.5"	23°30'46.5"	SP WITH ANGLE
						42							
285		LOC-196/1	SP+0	0									Hold
						42			11KV				
286		LOC-196/2	DP+0	0									USE "DP" AS A SECTION POLE
						42	126	11580					
287	AP-197	197	SP+0	0	2°44'50"LT					MATA BARI	91°30'2"	23°30'49.9"	SP WITH ANGLE
						42							
288		LOC-197/1	SP+0	0									
						45	87	11667					Hold
289	AP-198	198	SP+0	0	4°3'49"RT					MATA BARI	91°30'3.7"	23°30'52.2"	SP WITH ANGLE
						42			132KV S/C TL				
290		LOC-198/1	SP+0	0									
						42	84	11751					
291	AP-199	199	SP+0	0	6°32'35"LT					MATA BARI	91°30'5.4"	23°30'54.4"	SP WITH ANGLE
						45	45	11796					
292	AP-200	200	DP+0	0	14°18'14"LT					MATA BARI	91°30'6.2"	23°30'55.7"	
						45	45	11841					
293	AP-201	201	SP+0	0	6°30'4"RT					MATA BARI	91°30'6.7"	23°30'57.1"	SP WITH ANGLE
						35	35	11876					
294	AP-202	202	DP+0	0	21°4'52"LT					MATA BARI	91°30'7.1"	23°30'58.2"	
						42							
295		LOC-202/1	SP+0	0									
						42	84	11960					
296	AP-203	203	DP+0	0	11°41'28"LT					KANALCHAUMOHANI	91°30'7.2"	23°31'0.9"	
						42							
297		LOC-203A/1	SP+0	0									
						42							
298		LOC-203/2	SP+0	0									
						42							
299		LOC-203/3	SP+0	0									Hold
						42			11KV				
300		LOC-203/4	SP+0	0									
						45							
301		LOC-203/5	SP+0	0									
						45							
302		LOC-203/6	DP+0	0									USE DP AS A SECTION POLE Hold
						44			Village Road, POND				
303		LOC-203/7	SP+0	0									
						42							
304		LOC-203/8	SP+0	0									
						42	886	12846					
305	AP-204	204	DP+0	0	2°43'48"LT					KANALCHAUMOHANI	91°30'4.8"	23°31'13.2"	
						46							
306		LOC-204/1	SP+0	0									
						42							
307		LOC-204/2	SP+0	0									
						28			Village Road				Hold
308		LOC-204/3	SP+0	0									
						43	155	12921					
309	AP-205	205	DP+0	0	10°21'7"RT					KANALCHAUMOHANI	91°30'3.7"	23°31'18.1"	
						43	43	12949					
310	AP-206	206	DP+0	0	10°56'31"RT					KANALCHAUMOHANI	91°30'3.8"	23°31'19.6"	
						42	42	12988					
311	AP-207	207	DP+0	0	12°18'18"LT					KANALCHAUMOHANI	91°30'4.3"	23°31'20.9"	
						34			66KV, 33KV				Hold
312		LOC-207/1	DP+4	4									USE DP FOR POWER LINE CROSSING
						25	59	12647	33KV, 11KV				Hold
313	AP-208	208	DP+4	4	11°31'21"RT					KANALCHAUMOHANI	91°30'4.3"	23°31'22.8"	
						42	42	12689					
314	AP-209	209	DP+0	0	12°34'31"LT					KANALCHAUMOHANI	91°30'4.7"	23°31'24.2"	
						40	40	12729					
315	AP-210	210	DP+0	0	18°34'49"LT					KANALCHAUMOHANI	91°30'4.8"	23°31'25.5"	
						45	45	12774					

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SL.NO	AP NO	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUM.LTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
316	AP-211	211	SP+0	3	1°24'11"LT					KAMALCHALIMOHANI	91°30'4.4"	23°31'25.9"	SP WITH ANGLE
						43	43	12817					
317	AP-212	212	DP+0	3	41°54'38"LT					KAMALCHALIMOHANI	91°30'4.1"	23°31'28.3"	
						34	34	12851					
318	AP-213	213	DP+0	3	40°54'22"RT					FULKUMARI	91°30'3.1"	23°31'28.3"	
						42							
319		LOC-213/1	SP+0	3									
						42							
320		LOC-213/2	SP+0	3									
						25							
321		LOC-213/3	SP+0	3									
						26	136	12986					
322	AP-214	214	RP+0	3	75°23'22"RT					FULKUMARI	91°30'2"	23°31'33.2"	Hold
						30	30	13016	NH-44, 11KV				
323	AP-215	215	DP+0	3	10°1'13"RT					FULKUMARI	91°30'2.9"	23°31'33.8"	
						42	42	13058					
324	AP-216	216	D/C DP+0	3	4°29'30"LT					FULKUMARI	91°30'4.3"	23°31'34.1"	ONLINE
						42	42	13100					
325	AP-217	217	D/C DP+0	3	13°31'26"LT					FULKUMARI	91°30'5.7"	23°31'34.6"	ONLINE
						42	42	13142					
326	AP-218	218	D/C DP+4	4	1°10'46"RT					FULKUMARI	91°30'6.9"	23°31'35.4"	ONLINE
						30	30	13172	33KV, Metal Road				Hold
327	AP-219	219	DP+4	4	18°26'47"RT					FULKUMARI	91°30'7.9"	23°31'36"	
						42	42	13214	Metal Road				
328	AP-220	220	SP+0	3	1°43'19"RT					FULKUMARI	91°30'9.1"	23°31'36.4"	SP WITH ANGLE
						46	46	13264	Village Road				
329	AP-221	221	SP+0	3	1°21'26"RT					FULKUMARI	91°30'10.3"	23°31'36.7"	SP WITH ANGLE
						35							
330		LOC-221/1	SP+0	3									
						41	76	13335	Metal Road				Hold
331	AP-222	222	SP+0	3	4°8'46"LT					FULKUMARI	91°30'13.3"	23°31'37.1"	SP WITH ANGLE
						42	42	13377					
332	AP-223	223	DP+0	3	6°48'43"LT					FULKUMARI	91°30'14.8"	23°31'37.5"	
						42							
333		LOC-223/1	SP+0	3									
						42							
334		LOC-223/2	SP+0	3									
						45	129	13506					
335	AP-224	224	SP+0	3	2°18'34"LT					FULKUMARI	91°30'18"	23°31'33"	SP WITH ANGLE
						42	42	13548					
336	AP-225	225	DP+0	3	12°55'44"LT					FULKUMARI	91°30'20.3"	23°31'39.5"	
						42	42	13590					
337	AP-226	226	DP+0	3	12°51'40"LT					FULKUMARI	91°30'21.6"	23°31'40.3"	
						40	40	13630					
338	AP-227	227	SP+0	3	7°16'18"LT					KUNJABON	91°30'22.2"	23°31'41.4"	SP WITH ANGLE
						42	42	13671					
339	AP-228	228	SP+0	3	8°57'9"RT					KUNJABON	91°30'23"	23°31'42.6"	SP WITH ANGLE
						43	43	13715					
340	AP-229	229	SP+0	3	1°31'32"RT					KUNJABON	91°30'23.6"	23°31'43.8"	SP WITH ANGLE
						18	18	13734					
341	AP-230	230	DP+0	3	18°14'27"RT					KUNJABON	91°30'24.2"	23°31'44.3"	
						32	32	13766	11KV LT Line, Metal Road				Hold
342	AP-231	231	DP+0	3	48°3'24"LT					KUNJABON	91°30'25.2"	23°31'44.7"	
						24	24	13790	Cross Village Road				
343	AP-232	232	DP+2	2	45°57'14"RT					KUNJABON	91°30'25.5"	23°31'45.5"	
						42	42	13831	Stream				
344	AP-233	233	DP+2	2	13°41'17"RT					KUNJABON	91°30'26.8"	23°31'46.1"	
						30	30	13861					
345	AP-234	234	DP+0	0	11°16'30"RT					KUNJABON	91°30'27.9"	23°31'46.4"	
						34	34	13895					
346	AP-235	235	D/C DP+0	0	17°48'42"RT					KUNJABON	91°30'28.7"	23°31'46.4"	ONLINE
						38	38	13925					
347	AP-236	236	D/C DP+0	0	18°34'34"LT					KUNJABON	91°30'29.9"	23°31'45.8"	ONLINE
						42	42	13967					
348	AP-237	237	D/C DP+0	0	4°12'56"LT					KUNJABON	91°30'31.4"	23°31'45.6"	ONLINE
						42	42	14009					
349	AP-238	238	D/C DP+0	0	2°40'56"LT					KUNJABON	91°30'32.8"	23°31'45.4"	ONLINE
						28	28	14037	132kV D/C TL, Metal Road				Hold
350	AP-239	239	D/C DP+0	0	17°10'8"RT					BANDUAR	91°30'33.5"	23°31'45.4"	ONLINE
						42	42	14079					
351	AP-240	240	D/C DP+0	0	11°7'25"LT					BANDUAR	91°30'35.2"	23°31'44.9"	ONLINE
						42							
352		LOC-240/1	D/C DP+0	0									ONLINE

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						30							
353		LOC-240/3	D/C DP+0	0									ONLINE
						45							
354		LOC-240/5	D/C DP+0	0									ONLINE
						42							
355		LOC-240/4	D/C DP+0	0									ONLINE
						42							
356		LOC-240/5	SP+0	0									
						40	241	14320	Village Road				
357	AP-241	241	DP+4	4	5°23'36"LT					BANDUAR	91°30'43.5"	23°31'43.7"	
						40	40	14360	Nala, 11KV, Metal Road				
358	AP-242	242	DP+4	4	20°1'58"RT					BANDUAR	91°30'45"	23°31'43.6"	
						45	45	14425					
359	AP-243	243	DP+4	4	2°14'13"LT					BANDUAR	91°30'46.5"	23°31'43"	
						45	45	14453	33KV				
360	AP-244	244	DP+4	4	0°51'35"RT					BANDUAR	91°30'48"	23°31'42.5"	
						42	42	14492	Village Road				
361	AP-245	245	SP+0	0	2°56'15"RT					BANDUAR	91°30'49.3"	23°31'42"	SP WITH ANGLE
						45	45	14537					
362	AP-246	246	DP+0	0	26°6'48"RT					BANDUAR	91°30'50.8"	23°31'41.4"	
						17	17	14554	Metal Road				
363	AP-247	247	FP+4	4	67°0'0"LT					BANDUAR	91°30'51.2"	23°31'41"	
						42	42	14596	Metal Road, LT Line, 33KV				
364	AP-248	248	DP+4	4	28°42'25"LT					BANDUAR	91°30'52.6"	23°31'41.4"	
						29	29	14625	LT Line				
365	AP-249	249	D/C FP+4	4	57°0'24"RT					BANDUAR	91°30'53.3"	23°31'42.1"	ATTACH WITH 33KV UDAIPUR"MAHARANI T/L

Hold

Hold

} Hold

NOTE: FROM GARJEE TO MAHARANI DETAILS SURVEY TOTAL LENGTH IS 20.104 KM AND GARJEE TO BANDUAR BAZAR CHOWK ITS LENGTH IS 14.625 KM(AP-1 TO AP-249), AND THIS LENGTH WILL BE CONSIDER AS SINGLE CIRCUIT AND REST OF 5.479 KM(AP-16 TO AP-154) WILL BE CONSIDER FOR DOUBLE CIRCUIT. WE HAVE NOT FOUND ANY OTHER CORRIDOR "FROM AP-16 TO AP-154 OF 33KV UDAIPUR TO MAHARANI T/L" FOR 33KV GARJEE TO MAHARANI T/L, SO WE SUGGESTED OF COMMON POLE WITH 33KV UDAIPUR TO MAHARANI T/L (AP-16 TO AP-154) AFTER AP NO 249.

pole schedule with normal pole (+ 0 m) and which are within the permissible limit of angle of deviation & within permissible limit of individual span are approved.

put on hold all road crossing spans, power line crossing span, railway line crossing, span, river crossing span etc. and span having angle of individual span limit violation.

Details profile to be submitted for the above crossing.

M/S Technofab may be initiated accordingly.

10/11/2012
S.I.D.

Yogesh Kumar Darjee
(Asstt. Manager)
Technofab Engineering Ltd.
Udaipur-Tripura.

SUBMITTED BY:
TECHNOFAB ENGINEERING LTD

रजित सरकार / RANJIT SARKAR
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UDAIPUR TO MAHARANI CROSSING DETAILS

LINE LINK: EXISTING UDAIPUR S/S TO PROPOSED MAHARANI S/S

No.	Description	Unit	Quantity	Remarks
A	Pole Height			
1	0 m Extension	137		
2	2 m Extension	44		
3	4 m Extension	155		
B	Crossings			
1	LT Line Crossing	48		
2	11 kV Crossing	33		
3	33 kV Crossing	1		
4	66 kV Crossing	4		
5	132 kV Crossing	1		
6	220 kV Crossing	-		
7	400 kV Crossing	-		
8	NH Crossing	-		
C	River Crossing	-		
D	Nala Crossing	1		
E	Road Crossing			
1	Metalled Road	46		
2	Village Road	4		
F	Span Violation	-		
G	Angle Violation	2		

Note: We have approved 12 m Pole Drawing (0 m Extension) and we have proposed 14 m Pole (2 m Extension) and 16 m Pole (4 m Extension) for crossings.

Approved for all normal poles with spans which are with in the permissible limit of individual span & limit of angle of deviation.
Put on hold all crossing spans & violation of limitations.

10/11/2017 (S.I.)

Recommended for further approval for normal length of pole only except extension of pole, deviations of angle violation, all sort of crossing & violation of span etc.

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Raju Sinha
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SUBMITTED BY:
TECHNOFAB ENGINEERING

CHECKED BY:

APPROVED BY:
P.G.C.I.L.

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POLE SUMMARY

POLE SUMMARY DETAILS

TRIPURA STATE ASSOCIATED WITH NER POWER SYSTEM IMPROVEMENT PROJECT (DMS PACKAGE-01)

TRI-DMS-01(3603) CC-CS/86-NER/REW-2984/1/G2/NOA-1/7166 & 7167. DATE:-22.02.2017

LINE NAME: EXISTING UDAIPUR S/S TO PROPOSED MAHARANI S/S

TOTAL LINE LENGTH: 6.017 km

S.No.	Type of Pole	Extension	Pole Qty	12 m Pole	14 m Pole	16 m Pole	Remarks
1	SP (GA-01)	0 m	0	0			
2		2 m	0		0		
3		4 m	0			0	
4	SP (GA-02)	0 m	1	1			
5		2 m	2		2		
6		4 m	1			1	
7	DP (GA-03)	0 m	3	6			
8		2 m	3		6		
9		4 m	1			2	
10	FP (GA-04)	0 m	1	4			
11		2 m	0		0		
12		4 m	1			4	
13	SP (Double Circuit)	0 m	0	0			
14		2 m	0		0		
15		4 m	0			0	
16	DP (Double Circuit)	0 m	59	118			
17		2 m	18		36		
18		4 m	66			132	
19	FP (Double Circuit)	0 m	2	8			
20		2 m	0		0		
21		4 m	4			16	
	TOTAL			137	44	155	

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APPROVED BY:
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POLE SCHEDULE

	AP NO	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
1	AP-1	1	FP+0	0						2ND KUMARI BONDUAR	91°30'57.3"	23°31'53.1"	
						26	26	26					
2	AP-2	2	D/C DP+4	4	20°44'40"LT					3ND KUMARI BONDUAR	91°30'56.5"	23°31'52.7"	ON LINE WITH 11KV
						27	27	53	11Kv, UDA/PUR S/S Boundary				
3	AP-3	3	DP+4	4	53°50'5"RT					2ND KUMARI BONDUAR	91°30'56"	23°31'52"	
						26	26	79					
4	AP-4	4	SP+2	2	8°53'25"RT					2ND KUMARI BONDUAR	91°30'55"	23°31'51.5"	SP WITH ANGLE
						30	30	109	11Kv, Metal Road, LT Line				
5	AP-5	5	SP+2	2	8°26'56"LT					2ND KUMARI BONDUAR	91°30'54"	23°31'52"	SP WITH ANGLE
						42	42	151					
6	AP-6	6	SP+4	4	5°11'7"LT					2ND KUMARI BONDUAR	91°30'52.9"	23°31'52"	SP WITH ANGLE
						37	37	188	Metal Road, 11Kv				
7	AP-7	7	FP+4	4	114°42'52"LT Hold					2ND KUMARI BONDUAR	91°30'51.2"	23°31'51.9"	
						31	31	219	LT Line, Metal Road				
8	AP-8	8	DP+2	2	19°57'43"RT					2ND KUMARI BONDUAR	91°30'51.8"	23°31'51"	
						30	30	249					
9	AP-9	9	DP+0	0	15°51'7"LT					2ND KUMARI BONDUAR	91°30'52.1"	23°31'50.1"	
						28	28	277					
10	AP-10	10	DP+0	0	20°25'31"RT					2ND KUMARI BONDUAR	91°30'52.6"	23°31'49.3"	
						39							
11		LDC-10/1	D/C DP+2	2						2ND KUMARI BONDUAR			ONLINE WITH LT LINE
						40	79	356	2Nos LT Line				
12	AP-11	11	DP+2	2	31°39'34"LT					2ND KUMARI BONDUAR	91°30'53.8"	23°31'46.8"	SP WITH ANGLE
						27	27	383	LT Line				
13	AP-12	12	DP+2	2	47°43'29"RT					2ND KUMARI BONDUAR	91°30'53.8"	23°31'46.2"	SP WITH ANGLE
						45	45	428					
14	AP-13	13	SP+0	0	2°24'34"RT					2ND KUMARI BONDUAR	91°30'53.8"	23°31'44.7"	SP WITH ANGLE
						45	45	473	Metal Road				
15	AP-14	14	DP+0	0	11°12'56" RT					2ND KUMARI BONDUAR	91°30'53.7"	23°31'43.2"	
						36	36	509	Metal Road				
16	AP-15	15	D/C FP+4	4	95°22'32"L Hold					2ND KUMARI BONDUAR	91°30'53.3"	23°31'42.1"	MATCH POINT OF GARI MAHARANI LINE
						29	29	538	Metal Road, 11Kv, 33Kv				
17	AP-16	16	D/C DP+4	4	31°42'22"LT					2ND KUMARI BONDUAR	91°30'54.5"	23°31'41.9"	
						43	43	581					
18	AP-17	17	D/C DP+0	0	32°22'49"RT					2ND KUMARI BONDUAR	91°30'55.8"	23°31'41.7"	
						45	45	626	Village Road-66Kv				
19	AP-18	18	D/C DP+2	2	35°56'56"LT					2ND KUMARI BONDUAR	91°30'57.4"	23°31'41.1"	
						39	39	665	2Nos LT Line				
20	AP-19	19	D/C DP+2	2	4°34'32"RT					2ND KUMARI BONDUAR	91°30'58.6"	23°31'42.8"	
						35	35	734	132Kv S/C				
21	AP-20	20	D/C DP+0	0	17°35'48"RT					2ND KUMARI BONDUAR	91°30'59.7"	23°31'40.4"	
						45	45	749					
22	AP-21	21	D/C DP+0	0	44°10'54"RT					2ND KUMARI BONDUAR	91°31'1.3"	23°31'40.7"	
						43	43	792					
23	AP-22	22	D/C DP+4	4	12°3'25"LT					2ND KUMARI BONDUAR	91°31'2.6"	23°31'42"	
						44	44	836	11Kv				
24	AP-23	23	D/C DP+4	4	2°7'20"LT					2ND KUMARI BONDUAR	91°31'4"	23°31'42.5"	
						44	44	880					
25	AP-24	24	D/C DP+0	0	20°41'16"LT					2ND KUMARI BONDUAR	91°31'5.5"	23°31'42.1"	
						29	29	909	Metal Road				
26	AP-25	25	D/C DP+4	4	11°34'47"RT					2ND KUMARI BONDUAR	91°31'6.5"	23°31'41.1"	
						38	38	947	2Nos 11Kv+LT Line				
27	AP-26	26	D/C DP+4	4	8°10'6"RT					2ND KUMARI BONDUAR	91°31'7.8"	23°31'41.9"	
						37	37	984	Metal Road, 11Kv, LT Line				
28	AP-27	27	D/C DP+4	4	5°22'3"LT					2ND KUMARI BONDUAR	91°31'9.1"	23°31'41.6"	ONLINE WITH 11kv
						42	42	1026					
29	AP-28	28	D/C DP+4	4	3°19'41"LT					2ND KUMARI BONDUAR	91°31'10.6"	23°31'41.3"	ONLINE WITH 11kv
						40	40	1066	11Kv				
30	AP-29	29	D/C DP+4	4	12°25'17"RT					2ND KUMARI BONDUAR	91°31'12"	23°31'41.1"	
						42	42	1108	11Kv				
31	AP-30	30	D/C DP+4	4	24°22'5"RT					KOLUYATEPA	91°31'13.5"	23°31'40.8"	
						38	38	1146					
32	AP-31	31	D/C DP+4	4	8°50'23"RT					KOLUYATEPA	91°31'14.8"	23°31'40.3"	
						40	40	1186	11Kv, LT Line				
33	AP-32	32	D/C DP+4	4	12°17'37"LT					KOLUYATEPA	91°31'15.6"	23°31'39.3"	
						41	41	1227					
34	AP-33	33	D/C FP+0	0	62°45'38"LT					KOLUYATEPA	91°31'16.8"	23°31'38.6"	
						26	26	1253					
35	AP-34	34	D/C DP+0	0	41°15'9"RT					KOLUYATEPA	91°31'17.8"	23°31'38.1"	
						16							
36		LDC-34/1	D/C DP+4	4						KOLUYATEPA			
						11	57	1310	11Kv				
37	AP-35	35	D/C DP+4	4	38°41'0"LT					KOLUYATEPA	91°31'19.6"	23°31'38.8"	
						34	34	1344					

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MANAGER
APPROVED BY: UDAIPUR
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POLE SCHEDULE

	AP NO	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
	AP-36	36	D/C DP+4	4	20°23'12"RT					KOLUYATEPA	91°31'20.6"	23°31'39.3"	Hold
						36			Metal Road, LT Line, 11kV				
39	-	LOC-36/1	D/C DP+4	4						KOLUYATEPA			
						43	79	1423					
40	AP-37	37	D/C DP+0	0	15°2'13"RT					KOLUYATEPA	91°31'23.4"	23°31'30.7"	ONLINE WITH 11kv
						42	42	1465	Metal Road				
41	AP-38	38	D/C DP+0	0	28°2'34"RT					KOLUYATEPA	91°31'24.9"	23°31'29.6"	Hold
						33	33	1498	Metal Road				
42	AP-39	39	D/C DP+4	4	36°8'35"LT					KOLUYATEPA	91°31'25.7"	23°31'28.8"	
						38	38	1536	Metal Road, LT line				
43	AP-40	40	D/C DP+4	4	7°15'32"LT					KOLUYATEPA	91°31'27"	23°31'28.2"	
						40	40	1576					
44	AP-41	41	D/C DP+4	4	14°58'31"RT					KOLUYATEPA	91°31'28.3"	23°31'30.7"	
						38	38	1614	11kv+LT line				
45	AP-42	42	D/C DP+4	4	7°29'7"RT					KOLUYATEPA	91°31'29.7"	23°31'29.8"	
						30	30	1644	LT Line				Hold
46	AP-43	43	D/C DP+4	4	15°10'44"LT					KOLUYATEPA	91°31'30.7"	23°31'29.8"	
						32	32	1676	66kV				
47	AP-44	44	D/C DP+4	4	31°26'8"LT					KOLUYATEPA	91°31'31.8"	23°31'40.1"	
						33	33	1709	11kv, 2Nos Metal Road				
48	AP-45	45	D/C DP+4	4	43°21'25"RT					KOLUYATEPA	91°31'32.6"	23°31'40.9"	
						33	33	1742	Metal Road				
49	AP-46	46	D/C DP+4	4	32°55'30"RT					KOLUYATEPA	91°31'33.8"	23°31'41"	
						32	32	1774	11kv, Metal Road				
50	AP-47	47	D/C DP+4	4	19°25'42"LT					KOLUYATEPA	91°31'34.8"	23°31'40.5"	
						39							
51		LOC-47/1	D/C DP+0	0						KOLUYATEPA			
						39	78	1852					
52	AP-48	48	D/C DP+4	4	2°38'47"LT					KOLUYATEPA	91°31'37.5"	23°31'40"	Hold
						32	32	1884	Metal Road, 11kV				
53	AP-49	49	D/C DP+4	4	32°13'40"RT					KOLUYATEPA	91°31'38.6"	23°31'39.9"	
						38	38	1922	Metal Road, 11kV				
54	AP-50	50	D/C DP+4	4	10°27'30"RT					KOLUYATEPA	91°31'38.5"	23°31'38.7"	Hold
						33	33	1955					
55	AP-51	51	D/C DP+4	4	15°46'57"RT					KOLUYATEPA	91°31'38.5"	23°31'37.7"	
						40	40	1995	Metal Road, 11kV				
56	AP-52	52	D/C DP+4	4	25°44'25"RT					KOLUYATEPA	91°31'38.6"	23°31'36.4"	
						44	44	2039					
57	AP-53	53	D/C DP+4	4	51°40'45"LT					KOLUYATEPA	91°31'37.6"	23°31'35.3"	Hold
						41	41	2080	11kV, 66kV				
58	AP-54	54	D/C DP+4	4	22°51'18"LT					KOLUYATEPA	91°31'38"	23°31'34"	
						42	42	2122					
59	AP-55	55	D/C DP+2	2	19°5'20"LT					JANMALYA	91°31'38.8"	23°31'32.9"	Hold
						36	36	2158	11kV				
60	AP-56	56	D/C DP+2	2	8°40'20"LT					JANMALYA	91°31'39.9"	23°31'32.2"	
						36	36	2194	Metal Road				
61	AP-57	57	D/C DP+0	0	22°24'2"LT					JANMALYA	91°31'41.1"	23°31'31.7"	
						39	39	2233	66kV				
62	AP-58	58	D/C DP+0	0	31°2'12"RT					JANMALYA	91°31'42.5"	23°31'31.6"	
						45	45	2278					
63	AP-59	59	D/C DP+0	0	6°10'3"RT					JANMALYA	91°31'43.8"	23°31'30.8"	Hold
						45	45	2323	Metal Road				
64	AP-60	60	D/C DP+0	0	40°43'8"LT					JANMALYA	91°31'45"	23°31'29.8"	
						44	44	2367					
65	AP-61	61	D/C DP+0	0	16°28'2"LT					HIRAPUR	91°31'46.3"	23°31'29.0"	
						44	44	2411					
66	AP-62	62	D/C DP+0	0	3°42'29"LT					HIRAPUR	91°31'48"	23°31'30.2"	
						42	42	2453					
67	AP-63	63	D/C DP+0	0	1°23'30"LT					HIRAPUR	91°31'49.4"	23°31'30.7"	
						43	43	2496					
68	AP-64	64	D/C DP+0	0	17°48'31"RT					HIRAPUR	91°31'50.8"	23°31'31.2"	
						35	35	2531					
69	AP-65	65	D/C DP+0	0	5°57'54"RT					HIRAPUR	91°31'52"	23°31'31.3"	
						37	37	2568					
70	AP-66	66	D/C DP+4	4	17°40'40"RT					HIRAPUR	91°31'53.3"	23°31'31.2"	Hold
						41	41	2609	2Nos 11kV, METAL ROAD				
71	AP-67	67	D/C DP+4	4	18°30'41"LT					HIRAPUR	91°31'54.7"	23°31'30.8"	
						39	39	2648					
72	AP-68	68	D/C DP+0	0	4°25'42"LT					HIRAPUR	91°31'56.1"	23°31'30.7"	
						39	39	2687					
73	AP-69	69	D/C DP+0	0	16°30'24"RT					HIRAPUR	91°31'57.4"	23°31'30.8"	
						42	42	2729					
74	AP-70	70	D/C DP+0	0	6°55'29"RT					HIRAPUR	91°31'58.9"	23°31'30.5"	
						45	45	2774					
75	AP-71	71	D/C DP+0	0	23°45'44"LT					HIRAPUR	91°32'0.4"	23°31'30"	Hold
						45	45	2819	Metal Road				

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POLE SCHEDULE

AP NO	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
AP-72	72	D/C DP+0	0	12°19'39"LT					HIRAPUR	91°32'1.3"	23°31'30"	
					43	43	2861					
AP-73	73	D/C DP+0	0	40°40'40"RT					HIRAPUR	91°32'3.3"	23°31'30.6"	
					30	30	2892					
AP-74	74	D/C DP+0	0	36°12'52"RT					HIRAPUR	91°32'4.3"	23°31'30.4"	
					36	36	2928					
AP-75	75	D/C DP+0	0	24°30'11"LT					HIRAPUR	91°32'5.1"	23°31'29.5"	
					41	41	2969					
AP-76	76	D/C DP+0	0	14°32'2"RT					HIRAPUR	91°32'6.4"	23°31'28.8"	
					31	31	3000					
AP-77	77	D/C DP+4	4	1°28'44"LT					HIRAPUR	91°32'7.2"	23°31'28.2"	Hold
					36	36	3036	11Kv, Village Road				
AP-78	78	D/C DP+4	4	43°6'56"LT					HIRAPUR	91°32'8.2"	23°31'27.4"	
					42	42	3078					
AP-79	79	D/C DP+4	4	20°51'31"LT					HIRAPUR	91°32'9.7"	23°31'27.5"	Hold
					35	35	3113	Metal Road, 11Kv				
AP-80	80	D/C DP+4	4	5°31'1"RT					HIRAPUR	91°32'10.8"	23°31'28"	
					43	43	3156					
AP-81	81	D/C DP+0	0	23°0'38"LT					HIRAPUR	91°32'11.2"	23°31'28.4"	
					40	40	3196					Hold
AP-82	82	D/C DP+0	0	14°12'57"LT					HIRAPUR	91°32'13.4"	23°31'29.1"	
					36	36	3232	Metal Road				
AP-83	83	D/C DP+0	0	51°24'51"LT					HIRAPUR	91°32'14.9"	23°31'29.8"	
					41							
		LOC-83/1	D/C DP+0	0					HIRAPUR			
					43	84	3316					
AP-84	84	D/C DP+0	0	42°5'14"RT					HIRAPUR	91°32'14"	23°31'32.6"	
					37	37	3353					
AP-85	85	D/C DP+0	0	46°8'16"RT					HIRAPUR	91°32'14.7"	23°31'33.4"	
					36	36	3389					
AP-86	86	D/C DP+0	0	11°57'32"RT					HIRAPUR	91°32'16"	23°31'33.7"	
					39	39	3428					
AP-87	87	D/C DP+4	4	3°41'52"LT					HIRAPUR	91°32'17.4"	23°31'33.6"	
					33	33	3461	11kv				Hold
AP-88	88	D/C DP+4	4	26°51'57"LT					HIRAPUR	91°32'18.6"	23°31'33.4"	
					33	33	3494	Nala				
AP-89	89	D/C DP+0	0	2°18'38"LT					HIRAPUR	91°32'19.7"	23°31'33.9"	
					37	37	3531	Metal Road				
AP-90	90	D/C DP+0	0	13°56'56"RT					HIRAPUR	91°32'20.9"	23°31'34.3"	
					40	40	3571					
AP-91	91	D/C DP+0	0	5°33'35"LT					HIRAPUR	91°32'22.3"	23°31'34.6"	
					39							
		LOC-91/1	D/C DP+0	0					HIRAPUR			
					39	78	3649					
AP-92	92	D/C DP+4	4	16°55'31"RT					HIRAPUR	91°32'24.9"	23°31'35.5"	Hold
					38	38	3687	11KV				
AP-93	93	D/C DP+4	4	5°30'26"LT					HIRAPUR	91°32'26.3"	23°31'35.4"	
					36	36	3723					
AP-94	94	D/C DP+0	0	30°27'2"RT					HIRAPUR	91°32'27.4"	23°31'35.8"	Hold
					38	38	3761	Metal Road				
AP-95	95	D/C DP+0	0	3°5'2"LT					HIRAPUR	91°32'28.8"	23°31'35.6"	
					41	41	3802					
AP-96	96	D/C DP+0	0	8°31'51"LT					HIRAPUR	91°32'30.3"	23°31'35.4"	
					50	50	3851	Metal Road, LT Line				Hold
AP-97	97	D/C DP+0	0	2°43'5"LT					HIRAPUR	91°32'31.2"	23°31'35.5"	
					41	41	3873	LT Line				
AP-98	98	D/C DP+0	0	4°38'24"RT					HIRAPUR	91°32'32.7"	23°31'35.8"	
					37	37	3910					
AP-99	99	D/C DP+0	0	8°47'17"LT					HIRAPUR	91°32'34"	23°31'35.6"	
					42	42	3952	Village Road				Hold
AP-100	100	D/C DP+4	4	4°23'31"RT					HIRAPUR	91°32'35.5"	23°31'35.8"	
					37	37	3989	33Kv+LT Line				
AP-101	101	D/C DP+4	4	11°32'31"RT					HIRAPUR	91°32'36.7"	23°31'35.8"	
					38	38	4027					
AP-102	102	D/C DP+0	0	2°50'8"RT					HIRAPUR	91°32'38.1"	23°31'35.8"	ON LINE 11KV
					34							
		LOC-101/1	D/C DP+0	0					HIRAPUR			ON LINE 11KV
					45							
		LOC-101/2	D/C DP+0	0					HIRAPUR			ON LINE 11KV
					43	114	4140					
AP-103	103	D/C DP+0	0	1°54'1"RT					HIRAPUR	91°32'43.2"	23°31'35.1"	ON LINE 11KV
					45	45	4191					
AP-104	104	D/C DP+0	0	5°2'5"RT					HIRAPUR	91°32'43.8"	23°31'34.3"	
					33	33	4224	Metal Road				Hold
AP-105	105	D/C DP+4	4	14°35'28"LT					HIRAPUR	91°32'44.9"	23°31'34.6"	
					43	40	4264	11 Line, 33Kv+LT Line				

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MANAGER
POWERGRID
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POLE SCHEDULE

	AP NO	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
	AP-106	106	D/C DP+4	4	12°27'7"LT					HIRAPUR	91°32'46.3"	23°31'34.5"	
						38	38	4302	Metal Road				
	AP-107	107	D/C DP+0	0	8°0'50"RT					HIRAPUR	91°32'47.6"	23°31'34.7"	
						27	27	4329					
16	AP-108	108	D/C FP+0	0	74°42'18"RT					HIRAPUR	91°32'48.6"	23°31'34.8"	
						31	31	4360					
117	AP-109	109	D/C DP+4	4	1°1'0"RT					HIRAPUR	91°32'48.9"	23°31'33.8"	
						28	28	4388	11KV				
118	AP-110	110	D/C DP+4	4	12°17'58"LT					HIRAPUR	91°32'49.3"	23°31'32.9"	
						44	44	4432					
119	AP-111	111	D/C DP+0	0	5°7'11"LT					HIRAPUR	91°32'49.8"	23°31'31.7"	
						41	41	4473	Metal Road				
110	AP-112	112	D/C DP+0	0	16°1'1"LT					HIRAPUR	91°32'50.7"	23°31'30.6"	
						41	41	4514	Metal Road				
111	AP-113	113	D/C DP+4	4	22°55'12"LT					HIRAPUR	91°32'52"	23°31'29.9"	
						40	40	4554	3Nos LT Line				
112	AP-114	114	D/C DP+4	4	8°17'40"LT					HIRAPUR	91°32'53.4"	23°31'29.8"	
						39	39	4593					
123	AP-115	115	D/C DP+0	0	7°6'18"LT					HIRAPUR	91°32'54.8"	23°31'29.6"	
						34	34	4627					
114	AP-116	116	D/C DP+4	4	30°52'37"LT					HIRAPUR	91°31'55.9"	23°31'30"	
						33	33	4660	3Nos LT Line, Metal Road				
125	AP-117	117	D/C DP+4	4	11°26'37"RT					HIRAPUR	91°31'56.9"	23°31'30.5"	
						38	38	4698					
126	AP-118	118	D/C DP+0	0	8°48'5"RT					HIRAPUR	91°31'58.2"	23°31'30.8"	
						36	36	4734					
127	AP-119	119	D/C DP+2	2	32°18'6"RT					HIRAPUR	91°31'59.5"	23°31'31"	
						36	36	4770	3Nos LT Line, Metal Road, 11KV				
128	AP-120	120	D/C DP+2	2	20°22'22"RT					HIRAPUR	91°33'0.6"	23°31'30.6"	
						39	39	4809	Metal Road				
[illegible]	AP-121	121	D/C DP+4	4	34°32'57"LT					HIRAPUR	91°33'1.6"	23°31'29.7"	
						36	36	4845	Metal Road, LT Line				
130	AP-122	122	D/C DP+4	4	5°3'41"RT					HIRAPUR	91°33'2.9"	23°31'29.3"	
						41	41	4886					
131	AP-123	123	D/C DP+4	4	4°12'56"LT					HIRAPUR	91°33'4.3"	23°31'29.2"	
						30	30	4916	Metal Road, 11Kv+LT Line				
132	AP-124	124	D/C DP+4	4	11°35'0"LT					HIRAPUR	91°33'5.3"	23°31'29"	
						39	39	4955	Metal Road, LT Line				
133	AP-125	125	D/C DP+4	4	1°42'2"RT					HIRAPUR	91°33'6.7"	23°31'28"	
						41	41	4996					
134	AP-126	126	D/C DP+0	0	7°44'21"LT					HIRAPUR	91°33'8.1"	23°31'28"	
						39	39	5035					
135	AP-127	127	D/C DP+0	0	35°1'16"LT					HIRAPUR	91°33'9.5"	23°31'29.2"	
						39	39	5074					
136	AP-128	128	D/C DP+0	0	7°52'52"LT					HIRAPUR	91°33'10.9"	23°31'29.7"	
						42	42	5116					
137	AP-129	129	D/C DP+0	0	13°39'56"RT					HIRAPUR	91°33'12"	23°31'30.4"	
						32	32	5148	Metal Road				
138	AP-130	130	D/C DP+2	2	12°32'14"LT					HIRAPUR	91°33'13.1"	23°31'30.7"	
						32	32	5180	Metal Road, LT Line				
139	AP-131	131	D/C DP+2	2	2°23'22"RT					HIRAPUR	91°33'14.3"	23°31'31.3"	
						36	36	5216	3Nos LT Line, Metal Road				
140	AP-132	132	D/C DP+2	2	1°24'35"RT					HIRAPUR	91°33'15.2"	23°31'31.8"	
						41	41	5257					
141	AP-133	133	D/C DP+0	0	1°59'50"LT					HIRAPUR	91°33'16.5"	23°31'32.4"	
						41	41	5298					
142	AP-134	134	D/C DP+0	0	7°5'0"RT					HIRAPUR	91°33'17.7"	23°31'33.1"	
						41	41	5339					
[illegible]	AP-135	135	D/C DP+2	2	6°57'59"RT					HIRAPUR	91°33'19.1"	23°31'33.6"	
						39	39	5378	LT Line				
144	AP-136	136	D/C DP+2	2	9°54'32"RT					HIRAPUR	91°33'20.4"	23°31'33.9"	
						36	36	5414	Village Road, LT Line				
145	AP-137	137	D/C DP+2	2	2°15'36"RT					HIRAPUR	91°33'21.6"	23°31'34"	
						28	28	5442					
146	AP-138	138	D/C DP+2	2	38°40'48"LT					HIRAPUR	91°33'22.6"	23°31'34.1"	
						41	41	5483	3Nos LT Line				
147	AP-139	139	D/C DP+2	2	33°44'47"LT					HIRAPUR	91°33'24"	23°31'34.6"	
						30	30	5513	Metal Road, LT Line				
148	AP-140	140	D/C DP+2	2	35°57'9"RT					HIRAPUR	91°33'24.8"	23°31'35.2"	
						36	36	5549					
149	AP-141	141	D/C DP+2	2	3°8'8"RT					HIRAPUR	91°33'26.1"	23°31'35.1"	
						44	44	5593	3Nos LT Line, Metal Road				
150	AP-142	142	D/C DP+2	2	20°1'41"LT					HIRAPUR	91°33'27.7"	23°31'35.1"	
						44	44	5637					
151	AP-143	143	D/C DP+4	4	23°16'21"RT					HIRAPUR	91°33'29.1"	23°31'35.6"	

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POLE SCHEDULE

AP NO	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUM.TV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
					35	35	5672	Metal Road, LT line				
AP-144	144	D/C DP+4	4	16°19'18"RT					HIRAPUR	91°33'30.4"	23°31'30.5"	Hold
					27	27	5699	LT Line				
AP-145	145	D/C DP+4	4	84°6'26"LT					HIRAPUR	91°33'31.2"	23°31'35.1"	
					40	40	5739	Metal Road, LT Line				
AP-146	146	D/C DP+4	4	10°35'49"RT					HIRAPUR	91°33'32.8"	23°31'35.4"	
					42	42	5781					
AP-147	147	D/C DP+4	4	13°25'17"RT					HIRAPUR	91°33'34.1"	23°31'35.4"	Hold
					27	27	5808	LT Line				
AP-148	148	D/C DP+4	4	55°45'52"RT					HIRAPUR	91°33'35"	23°31'35.3"	
					26	26	5834					
AP-149	149	D/C DP+4	4	22°49'30"RT					HIRAPUR	91°33'35.4"	23°31'34.5"	Hold
					31	31	5865	LT Line				
AP-150	150	D/C DP+4	4	14°59'18"LT					HIRAPUR	91°33'35.3"	23°31'32.5"	
					38	38	5903					
AP-151	151	D/C DP+4	4	3°21'21"RT					HIRAPUR	91°33'35.7"	23°31'32.9"	
					44	44	5947	LT line				
AP-152	152	D/C DP+4	4	5°31'6"RT					HIRAPUR	91°33'36"	23°31'30.9"	
					44	44	5991	LT Line				
AP-153	153	D/C FP+4	4	80°55'14"LT					HIRAPUR	91°33'36.1"	23°31'29.5"	Hold
					26	26	6017	Metal Road, 11Kv, Maharani S/S Boundary				
AP-154	154	D/C FP+4	4						HIRAPUR	91°33'37"	23°31'29.4"	

Pole schedule with normal pole (+ 0m) and which are within the permissible limit of angle of deviation & with in permissible limit of individual span are approved.

Put on hold all road crossing spans, power line crossing span, railway line crossing span, river crossing span etc. and span having angle of individual span limit violation.

Details profile to be submitted for the above crossing.

M/S Technofab may be initiated accordingly.

18/11/2017

Raju Sinha
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LINE NAME: PROPOSED 33 KV GARJI S/S TO PROPOSED 33KV CHITTAMARA S/S

DETAIL POLE SCHEDULE

POLE NO		TYPE OF POLE	EXT	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMULTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATES/WGS- EASTING	NORTHING	REMARKS
	D/E	FP=0	0						CHITTAMARA			
1	1	SP+0	0	5°57'27"LT	41	41	41		CHITTAMARA	91°27'9.8"	23°18'1.1"	
2	2	SP+2.5	2.5	2°34'6"RT	45	45	87		CHITTAMARA	91°27'8.2"	23°18'1.3"	Hold
3	3	FP+2.5	2.5	38°7'47"RT	45	45	132	33kv	CHITTAMARA	91°27'6.7"	23°18'1.3"	
4		SP+2.5	2.5		42			11kv, Vill Road				
5	4	DP+2.5(1)	2.5(1)	20°50'15"LT	42	84	216		CHITTAMARA	91°27'6.8"	23°18'2.3"	Hold
6	5	DP+2.5(1)	2.5(1)	21°37'14"LT	42	42	258	LT Line, 11kv, Metal Road	CHITTAMARA	91°27'6.3"	23°18'5.2"	
7	6	DP+2.5	2.5	13°22'47"RT	40	40	305		CHITTAMARA	91°27'5.3"	23°18'6.5"	
8	7	SP+2.5	2.5	4°42'6"RT	44	44	347	11kv, Metal Road	CHITTAMARA	91°27'4.6"	23°18'7.5"	
9	8	DP+2.5	2.5	42°6'14"RT	35	35	382	11kv, Metal Road	CHITTAMARA	91°27'4.1"	23°18'8.6"	Hold
10	9	DP+2.5	2.5	27°28'4"LT	42	42	424	11kv, LT Line, Metal Road	CHITTAMARA	91°27'4.6"	23°18'9.9"	
11	10	SP+0	0	3°59'21"RT	42	42	466	LT Line	CHITTAMARA	91°27'4.4"	23°18'11.2"	
12	11	SP+0	0	3°18'37"LT	45	45	511		CHITTAMARA	91°27'4.3"	23°18'12.5"	
13	12	DP+2.5	2.5	18°51'23"RT	42	42	553		CHITTAMARA	91°27'4.2"	23°18'14"	
14	13	SP+2.5(1)	2.5(1)	9°41'58"LT	42	42	595	LT Line	CHITTAMARA	91°27'4.6"	23°18'15.7"	Hold
15	14	SP+2.5(1)	2.5(1)	8°35'3"LT	42	42	637	LT Line	CHITTAMARA	91°27'4.5"	23°18'15.3"	
16	15	SP+0(1)	0(1)	1°8'3"LT	42	42	679		CHITTAMARA	91°27'4.8"	23°18'18.1"	
17	16	DP+2.5	2.5	2°11'18"LT	45	45	724	LT Line	CHITTAMARA	91°27'4.5"	23°18'19.5"	Hold
18		SP+2.5	2.5		41			Vill Road, LT Line				
19	17	SP+0(1)	0(1)	3°39'7"LT	41	84	808	LT Line	CHITTAMARA	91°27'4.2"	23°18'22.2"	
20	18	SP+0	0	6°37'24"LT	45	45	853		CHITTAMARA	91°27'3.0"	23°18'23.6"	
21	19	SP+2.5	2.5	1°44'37"RT	45	45	898		CHITTAMARA	91°27'3.5"	23°18'25"	Hold
22	20	DP+2.5	2.5	69°0'12"RT	45	45	943	Vill Road, LT Line	CHITTAMARA	91°27'3"	23°18'26.4"	
23	21	SP+0	0	4°5'1"LT	42	42	985		CHITTAMARA	91°27'3.7"	23°18'27.6"	
24	22	DP+0	0	45°40'6"RT	32	32	1017		CHITTAMARA	91°27'4.3"	23°18'28.5"	
25	23	DP+0	0	19°2'50"LT	45	45	1062		CHITTAMARA	91°27'5.8"	23°18'28.9"	
26	24	DP+2.5	2.5	47°25'5"LT	32	32	1094	Vill Road	CHITTAMARA	91°27'6.6"	23°18'29.8"	Hold
27	25	PP+2.5	2.5	62°31'45"RT	31	31	1125	Metal Road, 11kv, LT Line	CHITTAMARA	91°27'6.1"	23°18'30.6"	
28	26	SP+2.5(1)	2.5(1)	8°17'10"RT	45	45	1170		CHITTAMARA	91°27'8"	23°18'31.4"	
29	27	DP+2.5(1)	2.5(1)	13°39'21"RT	42	42	1212	LT Line, 11kv	CHITTAMARA	91°27'9.6"	23°18'31.9"	
30	28	DP+0(1)	0(1)	12°20'30"LT	34	34	1246		CHITTAMARA	91°27'10.6"	23°18'32"	
31	29	DP+0(1)	0(1)	18°10'30"RT	43	43	1289	LT Line, Metal Road	CHITTAMARA	91°27'11"	23°18'32.5"	
32	30	DP+0	0	12°40'12"LT	42	42	1330		CHITTAMARA	91°27'13.4"	23°18'32.1"	
33		SP+0	0		44							Hold
34	31	DP+0	0	21°18'2"RT	37	81	1411	Metal Road	CHITTAMARA	91°27'16.2"	23°18'31.8"	
35	32	DP+0	0	47°20'24"LT	42	42	1453		CHITTAMARA	91°27'17.5"	23°18'31.3"	
36	33	DP+0	0	16°11'21"LT	45	45	1498	2Nos Metal Road	CHITTAMARA	91°27'19"	23°18'31.3"	
37	34	DP+0	0	16°34'29"RT	45	45	1543	Metal Road	CHITTAMARA	91°27'20.9"	23°18'32.6"	
38	35	DP+0	0	11°16'48"LT	45	45	1588		CHITTAMARA	91°27'21.8"	23°18'33.1"	
39	36	DP+0	0	16°32'37"RT	45	45	1633	Metal Road	CHITTAMARA	91°27'23.1"	23°18'33.9"	
40	37	SP+0	0	17°43'57"RT	45	45	1678	Metal Road	CHITTAMARA	91°27'24.7"	23°18'34.2"	
41	38	SP+2.5	2.5	8°57'13"RT	38	38	1716	Metal Road, 11kv	CHITTAMARA	91°27'26.3"	23°18'34.6"	
42	39	DP+2.5	2.5	33°19'8"RT	45	45	1806	Metal Road, 11kv	CHITTAMARA	91°27'27.6"	23°18'34.7"	
43	40	DP+2.5	2.5	39°54'16"RT	42	42	1848	11kv	CHITTAMARA	91°27'29.1"	23°18'34.1"	
44	41	DP+2.5	2.5	37°28'22"RT					UTTAR BHARATCHANDRA NAGAR	91°27'29.8"	23°18'33"	
45												

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DETAIL POLE SCHEDULE

LINE NAME : PROPOSED 33 KV GAIS S/S TO PROPOSED 33KV CHITTAMARA S/S

		POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATES(WGS) EASTING	GPS CO-ORDINATES(WGS) NORTHING	REMARKS
	84	84											
91	85	85	DP+0	0	44°13'31"RT	42	42	3783	Metal Road				
92			SP+0	0	7°45'42"LT	44	44	3827		UTTAR BHARATCHANDRA NAGAR	91°27'44.4"	23°19'11.3"	
		85/1	SP+2.5(1)	2.5(1)		45							
93	86	86	SP+2.5(1)	2.5(1)	1°31'1"LT	42	42	3914		UTTAR BHARATCHANDRA NAGAR	91°27'40.4"	23°19'12.7"	
94	87	87	DP+2.5	2.5	22°42'40"RT	41	41	3955	2Nos 11kv, HT Road, LT Line, Metal Road, 33kv				
95	88	88	DP+2.5	2.5	19°44'45"LT	47	47	3977		UTTAR BHARATCHANDRA NAGAR	91°27'46.9"	23°19'15"	Hold
96	89	89	SP+2.5	2.5	6°19'18"RT	45	45	4022		UTTAR BHARATCHANDRA NAGAR	91°27'47.6"	23°19'18.3"	
97	90	90	DP+2.5	2.5	23°58'7"RT	26	26	4050		UTTAR BHARATCHANDRA NAGAR	91°27'48.8"	23°19'17"	
98	91	91	DP+2.5	2.5	40°35'44"LT	40	40	4090	Metal Road, 11kv	UTTAR BHARATCHANDRA NAGAR	91°27'49.7"	23°19'18.3"	
99	92	92	SP+2.5(1)	2.5(1)	6°19'21"LT	42	42	4132	Metal Road, 11kv	UTTAR BHARATCHANDRA NAGAR	91°27'50.4"	23°19'19"	
100	93	93	SP+2.5(1)	2.5(1)	7°59'23"LT	44	44	4166	Metal Road, 11kv	UTTAR BHARATCHANDRA NAGAR	91°27'51.7"	23°19'13.3"	
101	94	94	DP+3.5	2.5	30°15'53"LT	42	42	4208	LT Line+11Kv, Metal Road	UTTAR BHARATCHANDRA NAGAR	91°27'52.3"	23°19'20.2"	
102	95	95	DP+2.5	2.5	23°40'6"RT	42	42	4250	Metal Road	UTTAR BHARATCHANDRA NAGAR	91°27'52.9"	23°19'21.4"	Hold
103	96	96	DP+0	0	13°28'50"LT	42	41	4292	LT Line+11Kv, LT Line, Metal Road	UTTAR BHARATCHANDRA NAGAR	91°27'53.4"	23°19'21.6"	
	97	97	SP+0	0	5°2'20"LT	43	43	4333	Metal Road	UTTAR BHARATCHANDRA NAGAR	91°27'53.2"	23°19'23.8"	
105	98	98	D/C DP+0	0	33°38'45"RT	42	42	4375	Metal Road	UTTAR BHARATCHANDRA NAGAR	91°27'53.2"	23°19'25.2"	
106	99	99	FP+0	0	70°27'54"LT	45	45	4424	Metal Road	UTTAR BHARATCHANDRA NAGAR	91°27'53.1"	23°19'27"	
107		99/1	SP+2.5(1)	2.5(1)		45				UTTAR BHARATCHANDRA NAGAR	91°27'52.9"	23°19'28.2"	
108	100	100	DP+2.5	2.5	50°17'28"RT	42	41	4511		UTTAR BHARATCHANDRA NAGAR	91°27'53.6"	23°19'29.4"	
109	101	101	SP+0	0	5°13'32"RT	45	45	4556	11kv	UTTAR BHARATCHANDRA NAGAR	91°27'53.6"	23°19'31.4"	Hold
110	102	102	DP+0	0	24°51'41"RT	45	45	4601		UTTAR BHARATCHANDRA NAGAR	91°27'54.6"	23°19'32.8"	
111		102/1	SP+0	0		45				UTTAR BHARATCHANDRA NAGAR	91°27'53.9"	23°19'34.3"	
112	103	103	DP+2.5	2.5	38°47'38"RT	42	41	4688	Metal Road				
113	104	104	DP+2.5	2.5	18°32'0"LT	38	38	4726	2Nos 11Kv, LT Line, Metal Road	UTTAR BHARATCHANDRA NAGAR	91°27'53.8"	23°19'35.5"	
114	105	105	DP+0	0	48°14'54"LT	42	42	4768	Metal Road Pole	UTTAR BHARATCHANDRA NAGAR	91°27'54.9"	23°19'37"	
115	106	106	SP+2.5(1)	2.5(1)	7°22'36"LT	42	42	4810		UTTAR BHARATCHANDRA NAGAR	91°27'56.2"	23°19'37.8"	
116	107	107	SP+2.5(1)	2.5(1)	8°14'16"LT	42	42	4852	LT Line, 11Kv	UTTAR BHARATCHANDRA NAGAR	91°27'56.4"	23°19'39.1"	Hold
117	108	108	DP+2.5	2.5	14°38'0"RT	39	39	4891		UTTAR BHARATCHANDRA NAGAR	91°27'56.3"	23°19'40.3"	
118	109	109	SP+2.5(1)	2.5(1)	5°25'44"RT	41	41	4932	HT Road, LT Line, 11kv	UTTAR BHARATCHANDRA NAGAR	91°27'56.2"	23°19'41.9"	
	110	110	DP+0(1)	0(1)	28°5'3"RT	41	42	4974	Metal Road, LT Line+11kv	UTTAR BHARATCHANDRA NAGAR	91°27'56.4"	23°19'42.4"	
120	111	111	DP+0	0	10°26'8"LT	45	45	5019		UTTAR BHARATCHANDRA NAGAR	91°27'56.8"	23°19'44.5"	
121		111/1	SP+0	0		43				UTTAR BHARATCHANDRA NAGAR	91°27'57.7"	23°19'45.1"	
122	112	112	DP+2.5	2.5	13°29'37"LT	43	86	5105					
123	113	113	DP+2.5	2.5	20°18'54"RT	38	38	5143	Metal Road, LT Line+11kv	UTTAR BHARATCHANDRA NAGAR	91°27'58.1"	23°19'48.3"	
124	114	114	FP+0	0	73°51'26"RT	44	44	5187		UTTAR BHARATCHANDRA NAGAR	91°27'59.4"	23°19'48.3"	Hold
125	115	115	DP+0	0	25°34'13"RT	45	45	5232		UTTAR BHARATCHANDRA NAGAR	91°28'0.1"	23°19'50.4"	
126	116	116	DP+0	0	10°11'52"LT	45	45	5277	Metal Road	UTTAR BHARATCHANDRA NAGAR	91°28'1.8"	23°19'50"	
127	117	117	DP+0	0	29°24'30"LT	42	42	5319	Metal Road	UTTAR BHARATCHANDRA NAGAR	91°28'2.5"	23°19'49"	
128	118	118	DP+0	0	11°25'9"LT	42	42	5361	Metal Road	UTTAR BHARATCHANDRA NAGAR	91°28'4.2"	23°19'48.2"	Hold
129	119	119	DP+0	0	20°54'57"RT	45	45	5406		UTTAR BHARATCHANDRA NAGAR	91°28'5.7"	23°19'48.1"	
130		119/1	SP+0	0		45			Metal Road	UTTAR BHARATCHANDRA NAGAR	91°28'7.2"	23°19'48.5"	
131	120	120	DP+0	0	12°20'39"LT	45	90	5496					Hold
132		120/1	SP+0	0		42				UTTAR BHARATCHANDRA NAGAR	91°28'10.2"	23°19'47.5"	
						42	84	5580					

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DETAIL POLE SCHEDULE

LINE NAME: PROPOSED 33 KV GARB S/S TO PROPOSED 33kV CHITTAMURA S/S

				TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATES EASTING	GPS CO-ORDINATES NORTHING	REMARKS
		121	121	DP+0	0	35°50'13"RT					LITTAR BHARATCHANDRA NAGAR	91°28'13.5"	23°19'47.4"	
	122	122	122	DP+0	0	33°43'51"RT	45	45	5615		LITTAR BHARATCHANDRA NAGAR	91°28'14.5"	23°19'48.5"	
35	123	123	123	DP+0	0	88°2'50"LT	44	44	5669		LITTAR BHARATCHANDRA NAGAR	91°28'15.1"	23°19'45.3"	
36		123/1	123/1	SP+0	0		45			Metal Road				
37	124	124	124	DP+0(1)	0(1)	38°21'56"LT	45	90	5759	Vill Road	LITTAR BHARATCHANDRA NAGAR	91°28'16.1"	23°19'46.2"	Hold
38	125	125	125	DP+0(1)	0(1)	32°12'1"RT	45	41	5804	LT Line	PAIKHOLA	91°28'19.5"	23°19'47.5"	
39	126	126	126	SP+0	0	1°36'45"LT	45	41	5849		PAIKHOLA	91°28'20.8"	23°19'48.3"	
40	127	127	127	SP+0	0	5°32'37"RT	43	41	5890	Metal Road	PAIKHOLA	91°28'22.3"	23°19'49.1"	
41	128	128	128	D/C DP+0	0	37°49'30"LT	38	38	5930	Metal Road	PAIKHOLA	91°28'23.1"	23°19'49.7"	
42	129	129	129	DP+0(1)	0(1)	40°28'35"RT	42	42	5972	Metal Road	PAIKHOLA	91°28'24.1"	23°19'51.1"	
43	130	130	130	DP+2.5	2.5	37°3'42"LT	42	42	6014	Metal Road, LT Line	PAIKHOLA	91°28'25.4"	23°19'51.2"	
44	131	131	131	DP+2.5	2.5	33°37'20"LT	24	24	6038	Metal Road, 11Kv	PAIKHOLA	91°28'25.8"	23°19'51.8"	
45	132	132	132	DP+2.5	2.5	24°50'58"RT	42	42	6080	2Nos 11Kv, LT Line	PAIKHOLA	91°28'25.8"	23°19'53.1"	
46	133	133	133	SP+2.5(1)	2.5(1)	7°15'12"RT	35	35	6115	Metal Road	PAIKHOLA	91°28'26.4"	23°19'54.3"	
47	134	134	134	SP+2.5(1)	2.5(1)	3°35'21"RT	42	42	6157	Metal Road, 11kv	PAIKHOLA	91°28'27.2"	23°19'55.3"	
	135	135	135	D/C DP+2.5		22°52'51"LT	42	42	6199		PAIKHOLA	91°28'28.1"	23°19'56.4"	Hold
49	136	136	136	DP+2.5	2.5	26°4'4"RT	42	42	6241	11Kv	PAIKHOLA	91°28'28.5"	23°19'57.8"	
50	137	137	137	DP+2.5(1)	2.5(1)	47°15'16"RT	45	45	6286		PAIKHOLA	91°28'29.4"	23°19'58.9"	Hold
51	138	138	138	SP+2.5(1)	2.5(1)	3°39'34"RT	42	42	6328	Metal Road, LT Line, 11Kv	PAIKHOLA	91°28'30.8"	23°19'59.1"	
52	139	139	139	DP+0	0	21°49'8"LT	45	45	6373		PAIKHOLA	91°28'32.1"	23°19'59.3"	
53	140	140	140	DP+2.5(1)	2.5(1)	34°16'36"LT	21	21	6394		PAIKHOLA	91°28'33.1"	23°19'59.6"	
54	141	141	141	DP+2.5(1)	2.5(1)	9°13'45"RT	80	80	6474	Nala	PAIKHOLA	91°28'34.6"	23°20'2.1"	
55	142	142	142	DP+2.5	2.5	24°62'52"RT	45	45	6519	Vill Road	PAIKHOLA	91°28'35.6"	23°20'3.2"	
56	143	143	143	SP+2.5(1)	2.5(1)	7°48'55"LT	41	41	6560	11Kv, Metal Road	PAIKHOLA	91°28'37"	23°20'3.7"	
57	144	144	144	DP+2.5	2.5	12°2'50"LT	35	35	6595	11Kv, LT Line	PAIKHOLA	91°28'38.1"	23°20'4.5"	
58	145	145	145	DP+2.5	2.5	48°15'50"RT	32	32	6627	Metal Road	PAIKHOLA	91°28'38.1"	23°20'5.2"	Hold
59		145/1	145/1	SP+2.5(1)	2.5(1)		42			Metal Road, LT Line, 11Kv				
60	146	146	146	SP+0(1)	0(1)	02°52'06"RT	42	84	6711	Vill Road, LT Line				
61	147	147	147	SP+0	0	0°19'38"RT	42	42	6753		PAIKHOLA	91°28'41.7"	23°20'5"	
62	148	148	148	SP+0	0	0°18'39"RT	42	42	6795	Metal Road, LT Line	PAIKHOLA	91°28'43.2"	23°20'5.6"	
	149	149	149	SP+0	0	9°22'45"RT	45	45	6840		PAIKHOLA	91°28'44.6"	23°20'6.8"	
64	150	150	150	DP+0(1)	0(1)	39°14'2"LT	45	45	6885		PAIKHOLA	91°28'46"	23°20'6.7"	
65	151	151	151	SP+2.5	2.5	7°12'6"RT	45	45	6930	2Nos LT Line	PAIKHOLA	91°28'47.6"	23°20'6.4"	
66	152	152	152	SP+2.5	2.5	3°51'30"LT	42	42	6972	Metal Road, LT Line	PAIKHOLA	91°28'49"	23°20'5"	Hold
67	153	153	153	SP+2.5	2.5	4°48'33"RT	45	45	7017	LT Line	PAIKHOLA	91°28'50.4"	23°20'5.3"	
68	154	154	154	DP+0	0	39°54'30"RT	45	45	7062		PAIKHOLA	91°28'51.9"	23°20'5.8"	
69	155	155	155	DP+2.5(1)	2.5(1)	25°27'55"LT	42	42	7104		PAIKHOLA	91°28'53.4"	23°20'6.2"	
70	156	156	156	SP+2.5(1)	2.5(1)	00°08'00"LT	45	45	7149	LT Line	PAIKHOLA	91°28'54.1"	23°20'5.7"	
71	157	157	157	DP+0(1)	0(1)	14°37'54"RT	34	34	7183	LT Line	PAIKHOLA	91°28'56.4"	23°20'6.4"	
72	158	158	158	DP+0(1)	0(1)	29°30'13"LT	39	39	7222	Metal Road, LT Line	PAIKHOLA	91°28'57.7"	23°20'6.7"	Hold
73	159	159	159	SP+0(1)	0(1)	00°34'29"LT	45	45	7267	Metal Road, 2Nos LT Line	PAIKHOLA	91°28'59.1"	23°20'6.3"	
74	160	160	160	DP+0	0	12°10'29"RT	41	41	7308		PAIKHOLA	91°29'0.6"	23°20'6.8"	
75	161	161	161	SP+0(1)	0(1)	5°4'13"RT	43	43	7351		PAIKHOLA	91°29'3.9"	23°20'6.1"	
76	162	162	162	SP+0(1)	0(1)	5°31'59"LT	45	45	7396	LT Line	PAIKHOLA	91°29'5.6"	23°20'6.2"	
77	163	163	163	SP+0	0	61°40'25"LT	45	45	7441	Market Road	PAIKHOLA	91°29'5"	23°20'6.2"	Hold
											PAIKHOLA	91°29'6.8"	23°20'6.4"	

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DETAIL POLE SCHEDULE

LINE NAME: PROPOSED 33 KV GANI S/S TO PROPOSED 33KV CHITTAMARA S/S

			TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMULTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE WGS- EASTING	NORTHING	REMARKS
	164	164	DP+0	0	23°53'47"RT	42	42	7483	Metal Road	PAIKHOLA	91°29'7.1"	23°20'7.7"	
2	165	165	DP+0	0	25°58'6"LT	42	42	7525	Metal Road	PAIKHOLA	91°29'8.3"	23°20'8.6"	
180	166	166	DP+0	0	11°58'29"LT	42	42	7567	Metal Road	PAIKHOLA	91°29'8.7"	23°20'9.8"	
181	167	167	DP+0	0	52°53'51"RT	42	42	7609	Vill Road	PAIKHOLA	91°29'8.9"	23°20'11.1"	
182	168	168	SP+0	0	5°44'50"RT	42	42	7651	Metal Road	PAIKHOLA	91°29'10.3"	23°20'11.5"	
183	169	169	DP+0	0	16°4'25"RT	45	45	7696	Vill Road	PAIKHOLA	91°29'11.8"	23°20'12.4"	
184	170	170	SP+0	0	01°07'46"LT	45	45	7741		PAIKHOLA	91°29'13.8"	23°20'12.5"	
185	171	171	DP+0	0	14°59'4"LT	42	42	7783	Metal Road	PAIKHOLA	91°29'14.9"	23°20'12.7"	
186	172	171	DP+0(L)	0(L)	41°5'42"RT	45	45	7828	LT Line	PAIKHOLA	91°29'16.2"	23°20'13.2"	Hold
187	173	173	DP+0(L)	0(L)	23°42'29"LT	41	41	7869	LT Line, Metal Road	PAIKHOLA	91°29'17.8"	23°20'12.7"	
188	174	174	FP+2.5	2.5	70°13'14"LT	41	41	7911		PAIKHOLA	91°29'19.4"	23°20'13"	
189		174/1	SP+2.5	2.5		45			Metal Road, LT Line				
190	175	176	SP+0	0	9°09'59"RT	45	90	8001		PAIKHOLA	91°29'19.8"	23°20'13.7"	
191	176	176	SP+2.5	2.5	9°12'17"RT	45	45	8046		PAIKHOLA	91°29'20.5"	23°20'13.1"	
192	177	177	DP+2.5	2.5	53°5'17"RT	39	39	8085	2Nos LT Line, Vill Road	PAIKHOLA	91°29'21.3"	23°20'18.2"	
193	178	178	DP+2.5	2.5	12°40'54"RT	44	44	8129	Metal Road, LT Line+11kV, LT Line	PAIKHOLA	91°29'22.1"	23°20'18.2"	
194	179	179	DP+2.5	2.5	43°11'21"LT	45	45	8174	Vill Road, 2Nos LT Line+11kV	PAIKHOLA	91°29'24.5"	23°20'18"	
195	180	180	DP+2.5	2.5	34°21'47"LT	32	32	8206	Market Road	PAIKHOLA	91°29'25.1"	23°20'18.6"	
196	181	181	DP+2.5	2.5	19°11'58"RT	42	42	8248	Metal Road, LT Line	PAIKHOLA	91°29'25.8"	23°20'19.8"	
197	182	182	SP+2.5	2.5	26°55'31"RT	42	42	8290		PAIKHOLA	91°29'26.8"	23°20'21"	
198		182/1	SP+2.5	2.5		45			LT Line, Vill Road				
199	183	183	DP+0	0	20°39'18"LT	45	90	8380		PAIKHOLA	91°29'29.8"	23°20'22.2"	
200	184	184	DP+0	0	44°20'7"LT	45	45	8425		PAIKHOLA	91°29'30.7"	23°20'23.1"	
201	185	185	DP+0	0	13°16'23"RT	45	45	8470		PAIKHOLA	91°29'30.8"	23°20'24.6"	Hold
202	186	186	DP+0	0	35°15'21"RT	42	42	8512	Metal Road	PAIKHOLA	91°29'31.2"	23°20'26"	
203	187	187	DP+0	0	13°30'49"LT	45	45	8557		PAIKHOLA	91°29'31.4"	23°20'26.9"	
204	188	188	DP+0	0	31°23'34"LT	39	39	8596		PAIKHOLA	91°29'31.9"	23°20'27.8"	
205		188/1	SP+0	0		45							
206		188/2	SP+0	0		45							
	189	189	DP+0	0	30°15'8"RT	42	132	8728		PAIKHOLA	91°29'32.6"	23°20'32.3"	
208	190	190	SP+0	0	9°13'59"RT	45	45	8773		RAJAPUR	91°29'33.2"	23°20'33.6"	
209	191	191	SP+0	0	6°45'18"RT	45	45	8818		RAJAPUR	91°29'34"	23°20'34.7"	
210	192	192	FP+0	0	63°50'59"LT	45	45	8863		RAJAPUR	91°29'35"	23°20'35.8"	
211		192/1	SP+0	0		45							
212	193	193	DP+0	0	21°40'43"RT	45	90	8953		RAJAPUR	91°29'33.9"	23°20'38.1"	Hold
213	194	194	DP+0	0	43°37'4"RT	42	42	8995	Metal Road	RAJAPUR	91°29'33.9"	23°20'40.2"	
214	195	195	DP+0	0	12°46'5"LT	45	45	9040		RAJAPUR	91°29'35.1"	23°20'41.3"	
215	196	196	DP+0	0	18°57'53"LT	45	45	9085		RAJAPUR	91°29'35.9"	23°20'42.5"	Hold
216	197	197	DP+0	0	34°32'3"LT	42	42	9127	Metal Road	RAJAPUR	91°29'36.1"	23°20'43.8"	
217	198	198	SP+0	0	07°03'02"RT	45	45	9172		RAJAPUR	91°29'35.4"	23°20'45.3"	
218	199	199	DP+0	0	40°56'1"RT	45	45	9217		RAJAPUR	91°29'34.9"	23°20'46.4"	
219		199/1	SP+0	0		44	88	9303					
220	200	200	SP+0	0	6°18'32"RT	45	45	9348		RAJAPUR	91°29'36.6"	23°20'48.8"	

SUBMITTED BY:
TECHNOFAB ENGINEERING LTD

For- Technofab Engineering Ltd
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DETAIL POLE SCHEDULE

LINE NAME: PROPOSED 33 KV GABA S/S TO PROPOSED 33KV CHITTAMURA S/S

		POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMULTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATES(WGS-) EASTING	NORTHING	REMARKS
		201	SP+0	0	9°56'31"RT								
	202	202	SP+0	0	9°13'31"RT	42	42	8390		RAJAPUR	91°29'37.3"	23°20'58"	
223	203	203	SP+0	0	4°0'0"RT	43	43	8433		RAJAPUR	91°29'38.3"	23°20'51"	
224	204	204	DP+0	0	41°32'1"LT	45	45	8478		RAJAPUR	91°29'39.6"	23°20'51.8"	
225		204/1	SP+0	0		45				RAJAPUR	91°29'41"	23°20'51.6"	
226	205	205	DP+0	0	18°24'38"LT	44	89	8567	Vill Road				
227		205/2	SP+0	0		46				RAJAPUR	91°29'42.8"	23°20'54.6"	
228		205/2	SP+0	0		45							
229	206	206	DP+0	0	60°8'0"LT	45	135	5701					
230	207	207	SP+0	0	1°12'49"RT	44	44	5746		RAJAPUR	91°29'44.5"	23°20'58.8"	
231	208	208	SP+0	0	8°12'37"LT	45	45	5791		RAJAPUR	91°29'44.7"	23°21'0.8"	
232	209	209	DP+0	0	10°6'27"RT	46	84	5833		RAJAPUR	91°29'45"	23°21'1.8"	
233	210	210	SP+0	0	2°45'48"RT	41	41	5874		RAJAPUR	91°29'45"	23°21'3.3"	
234		210/1	SP+0	0		46				RAJAPUR	91°29'45.5"	23°21'4.5"	
235	211	211	SP+0	0	0°0'53"LT	44	88	5964					
		211/1	SP+0	0		44				RAJAPUR	91°29'46.1"	23°21'7.3"	
237	212	212	SP+0	0	2°7'32"LT	43	87	10051	Vill Road				
238	213	213	DP+0	0	15°51'28"LT	45	45	10096		RAJAPUR	91°29'46.5"	23°21'10.2"	
239	214	214	SP+0	0	1°12'0"LT	45	45	10141		RAJAPUR	91°29'47.2"	23°21'11.5"	
240	215	215	SP+0	0	5°12'58"RT	45	45	10186		RAJAPUR	91°29'47.1"	23°21'13"	
241		215/1	SP+0	0		44				RAJAPUR	91°29'42"	23°21'14.5"	
242	216	216	SP+0	0	7°23'26"RT	44	88	10274					
243	217	217	DP+0	0	8°0'1"RT	45	45	10319		RAJAPUR	91°29'47"	23°21'17.3"	
244	218	218	SP+0	0	16°21'2"RT	45	45	10364		RAJAPUR	91°29'47.3"	23°21'18.8"	
245		218/1	SP+0	0		45				RAJAPUR	91°29'47.8"	23°21'20.2"	
246		218/2	SP+0	0		45							
247		218/3	SP+0	0		45							
248		218/4	SP+0	0		43							
249	219	219	SP+2.5	2.5	0°10'15"RT	45	222	10587	Vill Road				
250	220	220	SP+2.5	2.5	5°15'56"RT	43	43	10630	Metal Road, LT Line	RAJAPUR	91°29'53.4"	23°21'26.8"	
	221	221	DP+0	0	22°50'57"RT	40	40	10670		RAJAPUR	91°29'53.5"	23°21'26.9"	
252	222	222	SP+2.5(1)	2.5(1)	3°36'11"RT	44	44	10714		RAJAPUR	91°29'54.5"	23°21'28"	
253	223	223	DP+2.5(1)	2.5(1)	34°32'39"LT	34	34	10748	LT Line	RAJAPUR	91°29'55.9"	23°21'28.6"	
254	224	224	SP+2.5(1)	2.5(1)	5°20'50"LT	40	40	10788	Metal Road, 2Nos LT Line	RAJAPUR	91°29'57"	23°21'29"	
255	225	225	SP+0	0	2°57'46"LT	43	43	10831	Market Road	RAJAPUR	91°29'57.8"	23°21'30.1"	
256	226	226	DP+2.5(1)	2.5(1)	8°54'0"LT	43	43	10874		RAJAPUR	91°29'58.5"	23°21'31.2"	
257	227	227	DP+2.5(1)	2.5(1)	8°51'38"RT	42	42	10916	LT Line+11kv, Vill Road	RAJAPUR	91°29'59.2"	23°21'32.6"	
258		227/1	SP+0	0		45				RAJAPUR	91°29'59.7"	23°21'33.9"	
259		227/2	SP+0	0		45							
260	228	228	SP+2.5	2.5	1°30'12"RT	45	135	11051					
261	229	229	DP+2.5	2.5	20°36'54"RT	45	45	11096	LT Line	RAJAPUR	91°30'1.9"	23°21'37.9"	
262		229/1	SP+2.5	2.5		45				RAJAPUR	91°30'2.5"	23°21'39.1"	
263	230	230	DP+2.5	2.5	10°26'5"RT	43	88	11184	LT Line				
264	231	231	SP+2.5	2.5	27°55'47"RT	42	42	11226		RAJAPUR	91°30'4.9"	23°21'40.7"	
265	232	232	SP+2.5	2.5	8°52'28"LT	42	42	11268	LT Line	RAJAPUR	91°30'6.8"	23°21'41.4"	
										RAJAPUR	91°30'7.7"	23°21'41.8"	

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DETAIL POLE SCHEDULE

LINE NAME: PROPOSED 33 KV GARI S/S TO PROPOSED 33KV CHITTANWAK S/S

			TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATES(W) EASTING	GPS CO-ORDINATES(N) NORTHING	REMARKS
		232/1	SP+2.5(1)	2.5(1)		32							
232	233	233	DP+2.5(1)	2.5(1)	38°53'18"LT	39	71	11135	2Nos 11Kv	RAJAPUR	91°30'10.7"	23°21'41.7"	Hold
233	234	234	DP+0	0	80°02'45"LT	45	45	11184	Nala	RAJAPUR	91°30'11.8"	23°21'41.5"	
234		234/1	SP+0	0		44							
235	235	235	DP+2.5	2.5	13°20'14"LT	42	87	11271	Vill Road	RAJAPUR	91°30'14.6"	23°21'43.5"	Hold
236	236	236	SP+2.5	2.5	7°40'54"LT	45	45	11316	Nala, LT Line	RAJAPUR	91°30'16"	23°21'44.4"	
237	237	237	DP+2.5	2.5	21°32'29"RT	35	35	11351		RAJAPUR	91°30'16.9"	23°21'45.2"	
238	238	238	DP+2.5(1)	2.5(1)	13°11'57"LT	45	45	11396	LT Line	RAJAPUR	91°30'18.4"	23°21'45.7"	Hold
239	239	239	DP+2.5(1)	2.5(1)	33°16'46"LT	42	42	11438	2Nos LT Line, Metal Road	RAJAPUR	91°30'19.6"	23°21'46.3"	
240		239/1	SP+2.5(1)	2.5(1)		44							
241	240	240	SP+2.5(1)	2.5(1)	3°33'12"LT	37	81	11519	11Kv	RAJAPUR	91°30'20.5"	23°21'48.9"	Hold
242	241	241	SP+0	0	6°48'38"RT	45	45	11564	Metal Road	RAJAPUR	91°30'21"	23°21'50.3"	
243	242	242	DP+0	0	14°44'20"LT	45	45	11609		BIRCHANDRANAGAR	91°30'21.6"	23°21'51.8"	Hold
244	243	243	SP+0	0	7°24'36"RT	42	42	11651	Metal Road	BIRCHANDRANAGAR	91°30'21.8"	23°21'53.1"	
245	244	244	DP+0	0	13°17'58"LT	45	45	11696		BIRCHANDRANAGAR	91°30'22.4"	23°21'54.3"	
246	245	245	DP+2.5(1)	2.5(1)	20°25'27"RT	45	45	11741	Vill Road	BIRCHANDRANAGAR	91°30'22.4"	23°21'55.8"	Hold
247	246	246	DP+2.5(1)	2.5(1)	30°31'29"LT	42	42	11783	Metal Road, 11Kv	BIRCHANDRANAGAR	91°30'23"	23°21'57.1"	
248	247	247	SP+2.5(1)	2.5(1)	4°51'21"RT	33	33	11816		BIRCHANDRANAGAR	91°30'22.8"	23°21'58.1"	Hold
249	248	248	DP+2.5(1)	2.5(1)	11°54'24"LT	43	43	11859	Metal Road, LT Line+11Kv	BIRCHANDRANAGAR	91°30'22.7"	23°21'59.5"	
250	249	249	DP+0	0	18°44'10"LT	43	43	11900		BIRCHANDRANAGAR	91°30'22.3"	23°22'0.7"	
251	250	250	DP+2.5(1)	2.5(1)	86°48'21"RT	39	39	11939		BIRCHANDRANAGAR	91°30'22"	23°22'1.8"	Hold
252	251	251	DP+2.5(1)	2.5(1)	31°58'4"LT	51	51	12180	U/C Rail Line, LT Line+11Kv, 11Kv	BIRCHANDRANAGAR	91°30'23.3"	23°22'3.5"	
253	252	252	DP+2.5	2.5	16°13'1"RT	42	42	12222	LT Line, Vill Road	BIRCHANDRANAGAR	91°30'23.7"	23°22'5.4"	Hold
254	253	253	DP+2.5	2.5	48°7'12"LT	45	45	12267		BIRCHANDRANAGAR	91°30'24.9"	23°22'4.8"	Hold
255	254	254	DP+2.5	2.5	11°54'38"RT	45	45	12312	LT Line	BIRCHANDRANAGAR	91°30'26"	23°22'6.4"	
256	255	255	DP+2.5	2.5	12°54'56"LT	45	45	12357		BIRCHANDRANAGAR	91°30'25.6"	23°22'7.8"	Hold
257	256	256	DP+2.5	2.5	46°18'56"RT	44	44	12401	LT Line, Vill Road	BIRCHANDRANAGAR	91°30'25.9"	23°22'9.3"	
258	257	257	DP+0	0	16°25'34"LT	45	45	12446		BIRCHANDRANAGAR	91°30'27"	23°22'9.9"	
259	258	258	DP+0	0	13°20'11"LT	43	43	12489		BIRCHANDRANAGAR	91°30'28"	23°22'10.8"	
260	259	259	DP+0	0	10°57'17"RT	42	42	12529		BIRCHANDRANAGAR	91°30'28.1"	23°22'12.2"	
261	260	260	DP+2.5	2.5	11°25'35"RT	44	44	12573		BIRCHANDRANAGAR	91°30'28.5"	23°22'13.6"	
262	261	261	DP+2.5(1)	2.5(1)	13°52'45"RT	41	41	12614	Metal Road, LT Line	BIRCHANDRANAGAR	91°30'29.5"	23°22'14.7"	Hold
263	262	262	DP+2.5(1)	2.5(1)	18°03'04"LT	45	45	12659	11Kv	BIRCHANDRANAGAR	91°30'30"	23°22'15.6"	
264	263	263	DP+2.5	2.5	18°41'17"RT	44	44	12703	LT Line	BIRCHANDRANAGAR	91°30'31.6"	23°22'16.8"	
265	264	264	SP+0	0	4°36'35"LT	42	42	12745	Metal Road, Vill Road	BIRCHANDRANAGAR	91°30'32.8"	23°22'17.8"	
266		264/1	SP+0	0		44							
267	265	265	DP+0	0	39°5'18"LT	45	89	12834		BIRCHANDRANAGAR	91°30'34.2"	23°22'19.7"	
268	266	266	DP+2.5	2.5	10°48'25"RT	42	42	12876	Metal Road	BIRCHANDRANAGAR	91°30'34.9"	23°22'21.8"	Hold
269						42	42	12918	Metal Road, Vill Road, LT Line				
270	267	267	DP+2.5	2.5	86°41'5"RT	45	45	12963	LT Line, Vill Road	BIRCHANDRANAGAR	91°30'35.3"	23°22'23.4"	
271	268	268	DP+2.5	2.5	18°13'42"RT	45	45	13008		BIRCHANDRANAGAR	91°30'36.9"	23°22'25.1"	
272	269	269	DP+0	0	10°8'28"RT	44	44	13052		BIRCHANDRANAGAR	91°30'38.3"	23°22'23.3"	
273	270	270	DP+0	0	45°0'31"LT	43	43	13095		BIRCHANDRANAGAR	91°30'40.1"	23°22'22.0"	
274	271	271	DP+0	0	45°0'31"RT	42	42	13137	Metal Road	BIRCHANDRANAGAR	91°30'41.3"	23°22'23.1"	Hold

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DETAIL POLE SCHEDULE

LINE NAME: PROPOSED 33 kV GARI S/S TO PROPOSED 33kV CHITTAMARA S/S

			TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUM(TV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATES(WGS-84) EASTING	NORTHING	REMARKS
		272	D/C DP+2.5		12°15'59"LT								
	273	273	SP+2.5	2.5	1°25'11"RT	45	45	13182	LT Line	BIRCHANDRANAGAR	91°30'41.6"	23°22'24.7"	Hold
311	274	274	DP+2.5(L)	2.5(L)	12°43'20"LT	44	44	13226		BIRCHANDRANAGAR	91°30'43.8"	23°22'25.2"	
312	275	275	FP+2.5(L)	2.5(L)	75°43'34"LT	42	42	13268	2Nos LT Line+11kv, Metal Road	BIRCHANDRANAGAR	91°30'45"	23°22'26"	Hold
313		275/1	SP+2.5(L)	2.5(L)		44			LT Line	BIRCHANDRANAGAR	91°30'45.8"	23°22'27.1"	
314	276	276	SP+2.5(L)	2.5(L)	4°56'16"RT	42	86	13354					
315		276/1	SP+2.5(L)	2.5(L)		40				BIRCHANDRANAGAR	91°30'43.3"	23°22'29.1"	
316	277	277	DP+0	0	12°51'37"RT	39	79	13433	LT Line, Vill Road, Metal Road				Hold
317	278	278	DP+0	0	12°8'15"LT	42	42	13475		BIRCHANDRANAGAR	91°30'41.9"	23°22'31.7"	
318	279	279	DP+0	0	22°50'40"LT	45	45	13520		BIRCHANDRANAGAR	91°30'41.5"	23°22'32.3"	
319	280	280	DP+0	0	50°35'53"RT	45	45	13565		BIRCHANDRANAGAR	91°30'40.3"	23°22'33.6"	
320	281	281	SP+0	0	8°44'13"RT	45	45	13610	Nala, Vill Road	BIRCHANDRANAGAR	91°30'39"	23°22'34.2"	Hold
321		281/1	SP+2.5(L)	2.5(L)		45				BIRCHANDRANAGAR	91°30'37.7"	23°22'35.2"	
322	282	282	SP+2.5(L)	2.5(L)	3°44'8"LT	42	87	13697	11kv				
323	283	283	DP+0	0	18°38'28"RT	44	44	13741		BIRCHANDRANAGAR	91°30'35.9"	23°22'37"	Hold
	284	284	SP+0	0	7°31'15"LT	45	45	13786	Nala	BIRCHANDRANAGAR	91°30'34.1"	23°22'37.8"	
325	285	285	SP+0	0	3°47'58"RT	45	45	13831		BIRCHANDRANAGAR	91°30'33.5"	23°22'38"	
326	286	286	SP+0	0	5°51'0"RT	45	45	13876		BIRCHANDRANAGAR	91°30'32.6"	23°22'40.3"	
327	287	287	SP+0	0	3°46'49"RT	45	45	13921		BIRCHANDRANAGAR	91°30'31.8"	23°22'41.7"	
328	288	288	DP+0	0	15°35'41"RT	45	45	13966		BIRCHANDRANAGAR	91°30'31.1"	23°22'43"	
329	289	289	SP+0	0	2°57'31"LT	45	45	14011		BIRCHANDRANAGAR	91°30'30.6"	23°22'44.4"	
330	290	290	DP+0	0	11°18'45"RT	45	45	14056		BIRCHANDRANAGAR	91°30'30.4"	23°22'45.8"	
331		290/1	SP+0	0		45				BIRCHANDRANAGAR	91°30'30.2"	23°22'47.4"	
332	291	291	SP+0	0	6°6'48"LT	45	90	14146					
333	292	292	SP+2.5(L)	2.5(L)	8°5'46"LT	45	45	14191		BIRCHANDRANAGAR	91°30'30.3"	23°22'50.3"	
334	293	293	SP+2.5(L)	2.5(L)	8°48'40"LT	45	45	14236	LT Line, Vill Road	BIRCHANDRANAGAR	91°30'30"	23°22'51.8"	Hold
335		293/1	SP+0	0		45				BIRCHANDRANAGAR	91°30'30"	23°22'53.1"	
336		293/2	DP+0	0		45							
337		293/3	SP+0	0		45							
338	294	294	SP+2.5	2.5	02°16'07"RT	41	172	14408					
		294/1	SP+2.5	2.5		45			Vill Road, LT Line	BIRCHANDRANAGAR	91°30'28"	23°22'58.3"	Hold
340	295	295	DP+0	0	14°61'27"RT	45	90	14498					
341	296	296	DP+0	0	18°41'15"RT	45	45	14543		BIRCHANDRANAGAR	91°30'27.1"	23°23'1.3"	
342	297	297	SP+0	0	9°38'32"RT	45	45	14588		BIRCHANDRANAGAR	91°30'27.1"	23°23'2.5"	
343	298	298	SP+0	0	1°31'49"LT	45	45	14633		BIRCHANDRANAGAR	91°30'27.5"	23°23'4"	
344		298/1	SP+2.5(L)	2.5(L)		45				BIRCHANDRANAGAR	91°30'28.3"	23°23'5.3"	
345	299	299	SP+2.5(L)	2.5(L)	4°12'50"RT	45	90	14723	11kv, Vill Road, LT Line	PURBA PATICHHAR	91°30'29.6"	23°23'7.9"	Hold
346		299/1	DP+2.5	2.5		45							
347		299/2	SP+0	0		45							
348		299/3	SP+0	0		45							
349	300	300	SP+0	0	8°41'22"LT	45	180	14903		PURBA PATICHHAR	91°30'32.7"	23°23'13"	
350		300/1	SP+0	0		45							
351	301	301	SP+0	0	3°39'12"LT	45	90	14993		PURBA PATICHHAR	91°30'34.4"	23°23'15.7"	
352	302	302	DP+0	0	28°50'35"LT	45	45	15038		PURBA PATICHHAR	91°30'35"	23°23'16.8"	
						45	45	15083					

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For - Technofab Engineering Ltd
Dms-1&3
Udaipur-Tripura

Raju Sinha
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PROPOSED 33KV CHITTA...

Date Quanti...

DETAIL POLE SCHEDULE

LINE NAME: PROPOSED 33 KV GIAS S/S TO PROPOSED 33KV CHITTAMARA S/S

			TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLIV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATES EASTING	GPS CO-ORDINATES NORTHING	REMARKS
		303	SP+0	0	8°14'39"LT					PURBA PATCHHARI	91°30'21"	23°23'18.5"	
	304	304	SP+0	0	3°42'27"LT	45	45	15118		PURBA PATCHHARI	91°30'34.7"	23°23'19.8"	
305	305	305	SP+0	0	3°34'9"LT	45	45	15171		PURBA PATCHHARI	91°30'34.4"	23°23'21.4"	
306	306	306	SP+0	0	1°35'38"RT	45	45	15218		PURBA PATCHHARI	91°30'34"	23°23'22.8"	
307		306/1	SP+0	0		45							
308	307	307	DP+0	0	0°50'32"RT	45	90	15308		PURBA PATCHHARI	91°30'33.1"	23°23'25.8"	
309	308	308	SP+0	0	4°41'57"RT	45	45	15353		PURBA PATCHHARI	91°30'33"	23°23'27.2"	
310	309	309	SP+0	0	4°26'12"RT	45	45	15398		PURBA PATCHHARI	91°30'33.9"	23°23'28.7"	
311	310	310	SP+2.5(L)	2.5(L)	4°15'37"LT	33	33	15431		PURBA PATCHHARI	91°30'33.9"	23°23'29.7"	Finalised
312		310/1	SP+2.5(L)	2.5(L)		43			33kv				
313		310/2	SP+0	0		43							
314		310/3	DP+0	0		45							
315	311	311	SP+2.5(L)	2.5(L)	1°27'40"RT	45	178	15609		PURBA PATCHHARI	91°30'31.7"	23°23'35.1"	Finalised
316		311/1	SP+2.5(L)	2.5(L)		42			17.5mx33kv, Metal Road				
317		311/2	SP+0	0		43							
318	312	312	SP+0	0	6°49'45"RT	45	141	15750	Vill Road	PURBA PATCHHARI	91°30'30.9"	23°23'39.4"	Finalised
319	313	313	DP+0	0	11°1'53"RT	45	46	15796		PURBA PATCHHARI	91°30'30.8"	23°23'40.9"	
320	314	314	DP+0	0	52°33'45"RT	53	93	15851		PURBA PATCHHARI	91°30'31"	23°23'41.8"	Finalised
321	315	315	DP+0	0	40°49'25"LT	27	27	15844	Nala	PURBA PATCHHARI	91°30'31.9"	23°23'42.2"	
322	316	316	SP+0	0	4°0'45"RT	45	45	15889		PURBA PATCHHARI	91°30'32.4"	23°23'43.5"	
323	317	317	SP+0	0	3°51'5"RT	45	45	15934		PURBA PATCHHARI	91°30'33.1"	23°23'45"	
324		317/1	SP+0	0		45							
325		317/2	SP+0	0		45							
326	318	318	DP+0	0	11°38'48"LT	45	135	16069		PURBA PATCHHARI	91°30'31.2"	23°23'48.7"	
327	319	319	DP+0	0	12°8'6"LT	45	45	16114		PURBA PATCHHARI	91°30'31.7"	23°23'50.1"	
328	320	320	DP+0	0	16°29'34"LT	45	45	16159		PURBA PATCHHARI	91°30'31.8"	23°23'51.3"	
329		320/1	SP+0	0		44							
330		320/2	SP+0	0		38							
331		320/3	SP+0	0		45			Metal Road				Finalised
332		320/4	DP+0	0		45							
333		320/5	SP+0	0		45							
334		320/6	SP+0	0		33							
335		320/7	SP+0	0		42							
336	321	321	DP+0	0	11°17'37"LT	45	135	16459					
337	322	322	DP+0	0	14°38'16"RT	45	45	16519		PURBA PATCHHARI	91°30'13.1"	23°24'2.4"	
338	323	323	DP+0	0	16°26'9"LT	45	45	16564		PURBA PATCHHARI	91°30'12.4"	23°24'3.8"	
339	324	324	SP+0	0	5°7'55"LT	45	45	16609		PURBA PATCHHARI	91°30'12.2"	23°24'5.1"	
340		324/1	SP+0	0		38				PURBA PATCHHARI	91°30'11.4"	23°24'6.5"	
341		324/2	SP+0	0		38							
342	325	325	SP+0	0	1°20'21"RT	45	121	16730					
343	326	326	DP+0	0	11°15'23"LT	45	45	16775		PURBA PATCHHARI	91°30'29.7"	23°24'9.8"	
344	327	327	SP+0	0	1°20'38"RT	45	45	16820	Vill Road	PURBA PATCHHARI	91°30'28.4"	23°24'11.1"	Finalised
345	328	328	SP+0	0	7°19'7"LT	45	45	16865		PURBA PATCHHARI	91°30'27.4"	23°24'12.1"	
346	329	329	DP+0	0	20°20'2"RT	44	44	16910		PURBA PATCHHARI	91°30'26.3"	23°24'13.3"	
347	330	330	DP+0	0	19°41'54"RT	42	42	16952		PURBA PATCHHARI	91°30'26.1"	23°24'14.5"	
										PURBA PATCHHARI	91°30'24.8"	23°24'15.1"	

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For- Technotab Engineering Ltd
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DETAIL POLE SCHEDULE

		END	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMULTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATES(WGS-) EASTING	NORTHING	REMARKS
		330/1	SP+0	0		45							
		330/2	SP+0	0		45							
400		330/3	SP+0	0		45							
401		330/4	SP+0	0		45			Old NH				
401		330/5	SP+0	0		45							
403	331	331	SP+0	0	4°51'43"RT	45	270	17237		PURBA PATICHHARI	91°30'23.5"	23°24'24.3"	
404	332	332	SP+0	0	72°7'29"LT	42	42	17279	Old NH	PURBA PATICHHARI	91°30'23.5"	23°24'25.5"	
405	333	333	SP+0	0	7°35'19"RT	28	28	17307	NH-44 Old Road	PURBA PATICHHARI	91°30'22.8"	23°24'25.8"	
406	334	334	SP+0	0	4°2'17"RT	37	37	17344	Old NH	PURBA PATICHHARI	91°30'22.7"	23°24'26.8"	
407	335	335	DP+0	0	35°47'6"RT	51	51	17395		PURBA PATICHHARI	91°30'22.8"	23°24'26.4"	
408	336	336	SP+0	0	4°24'51"RT	40	40	17435		PURBA PATICHHARI	91°30'23.7"	23°24'29.8"	
409	337	337	SP+0	0	8°31'34"RT	43	43	17478		GARJI	91°30'24.7"	23°24'30.9"	
410	338	338	SP+0	0	3°8'55"RT	43	43	17521		GARJI	91°30'25.8"	23°24'31.5"	
411	339	339	SP+0	0	2°49'1"RT	48	48	17569		GARJI	91°30'27.1"	23°24'32.5"	
412	340	340	DP+0	0	10°38'23"RT	42	42	17611		GARJI	91°30'28.2"	23°24'33.3"	
	341	341	DP+0	0	10°11'28"RT	44	44	17655		GARJI	91°30'29.7"	23°24'33.9"	
414	342	342	SP+0	0	3°16'49"LT	41	41	17696		GARJI	91°30'31.1"	23°24'34.2"	
415	343	343	SP+0	0	4°15'34"LT	47	47	17743		GARJI	91°30'32.4"	23°24'34.7"	
416	344	344	SP+0	0	1°34'49"LT	41	41	17784		GARJI	91°30'34"	23°24'35.2"	
417	345	345	DP+0	0	38°54'58"LT	46	46	17830		GARJI	91°30'35.4"	23°24'35.9"	
418	346	346	SP+0	0	1°47'46"RT	49	49	17879	66 Kv	GARJI	91°30'36.1"	23°24'37.4"	
419	347	347	DP+0	0	12°44'15"LT	43	43	17922		GARJI	91°30'36.9"	23°24'38.6"	
420	348	348	DP+0	0	10°5'53"LT	42	42	17964		GARJI	91°30'37.2"	23°24'40"	
421	349	349	SP+0	0	1°21'34"LT	45	45	18009		GARJI	91°30'37"	23°24'41.4"	
422	350	350	SP+0	0	0°8'8"RT	44	44	18053	Vill Road	GARJI	91°30'36.7"	23°24'42.8"	
423	351	351	SP+0	0	0°6'6"RT	39	39	18092		GARJI	91°30'36.4"	23°24'44.1"	
424	352	352	SP+0	0	1°59'30"LT	44	44	18136		GARJI	91°30'36.1"	23°24'45.4"	
425	353	353	SP+0	0	1°27'44"RT	43	43	18179		GARJI	91°30'35.8"	23°24'46.8"	
426	354	354	DP+0	0	10°31'20"LT	43	43	18222	Vill Road	GARJI	91°30'35.6"	23°24'48.2"	
427	355	355	DP+0	0	25°51'39"RT	45	45	18267		GARJI	91°30'35.2"	23°24'49.6"	
	356	356	SP+0	0	4°3'5"RT	45	45	18312		GARJI	91°30'34.4"	23°24'51"	
429	357	357	DP+0	0	16°48'15"RT	44	44	18356		GARJI	91°30'35.7"	23°24'52.4"	
430	358	358	DP+0	0	10°27'15"RT	46	46	18402		GARJI	91°30'36.5"	23°24'53.7"	
431	359	359	DP+0	0	10°2'10"LT	45	45	18447		GARJI	91°30'37.7"	23°24'54.1"	
432	360	360	SP+0	0	9°7'45"LT	43	43	18490		GARJI	91°30'38.7"	23°24'55.8"	
433		360/1	SP+0	0		45							
434		360/2	SP+0	0		45							
435	361	361	SP+0	0	2°49'17"RT	43	113	18623		GARJI	91°30'41.5"	23°24'59.5"	
436		361/1	SP+0	0		45							
437		361/2	DP+0	0		45							
438	362	362	SP+0	0	6°1'34"LT	46	116	18739		GARJI	91°30'43.7"	23°25'3.2"	
439	363	363	SP+0	0	8°14'36"LT	18	18	18757		GARJI	91°30'44.4"	23°25'4.3"	
440		363/1	SP+0	0		45			Vill Road				
441		363/2	SP+0	0		45							
						46	134	18931					

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For - Technofab Engineering Ltd
Dms-183
Udaipur-Tripura

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LINE NAME : PROPOSED 33 KV GARJI S/S TO PROPOSED 33KV CHITTANGA

DETAIL POLE SCHEDULE

		...E NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-) EASTING	NORTHING	REMARKS
		364	DP+0	0	12°54'30"LT					GARJI	91°30'45.9"	23°25'8.4"	
						45							
		364/1	SP+0	0									
						45	90	19023		GARJI	91°30'46.2"	23°25'11.5"	
364	365	365	SP+0	0	2°15'47"RT								
						45							
365		365/1	SP+0	0									
						42	87	19108		GARJI	91°30'46.7"	23°25'14.1"	
366	366	366	SP+0	0	8°22'19"LT								
						45							
367		366/1	SP+0	0									
						45	90	19198		GARJI	91°30'46.7"	23°25'17.1"	
368	367	367	SP+0	0	4°38'18"LT								
						43	43	19241		GARJI	91°30'46.6"	23°25'18.4"	
369	368	368	DP+0	0	12°49'50"LT								
						45	45	19286		GARJI	91°30'46.1"	23°25'19.8"	
370	369	369	SP+0	0	8°53'19"LT								
						45							
371		369/1	SP+0	0									
						45	90	19376		GARJI	91°30'44.7"	23°25'22.5"	
372	370	370	DP+0	0	13°40'21"LT								
						45							
373		370/1	SP+0	0									
						42	86	19462		GARJI	91°30'42.7"	23°25'24.8"	
374	371	371	DP+0	0	13°44'52"LT								
						25	25	19487		GARJI	91°30'42"	23°25'25.1"	
375	EXT AP-1	EXT AP-2	D/C FP+0(1)	0(1)									

Approved for the normal pole with span with in permissiable indivual span limit of angle of deviation and within limit of permissible limit of individual span are approved. Put on hold all road crossing span , power line crossing span, railway line crossing span , river crossing span etc, span having angle of individual span limit violation details profile to be submitted for above crossing by M/S Technofab Engineering Ltd. & to be initiated accordingly

14/6/2018

Recommended for further approval for normal length of pole only , Except extension of pole, deviation of angle violation of all sort of crossing and violation of span etc.

For- Technofab Engineering Ltd
Dms-1&3
Udaipur-Tripura

SUBMITTED BY: TECHNOFAB ENGINEERING LTD

Raju Sinha
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DETAIL POLE SCHEDULE

LINE NAME: PROPOSED 33 KV GARI S/S TO PROPOSED 33KV CHITTAMARA S/S

			TYPE OF POLE	EKT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATES EASTING	GPS CO-ORDINATES NORTHING	REMARKS
	42	42	SP+2.5	2.5	2°24'29"RT	43	45	1863					
	43	43	DP+2.5	2.5	12°47'23"LT	45	43	1908	11Kv	UTTAR BHARATCHANDRA NAGAR	91°27'29.9"	23°18'31.5"	Hold
46	44	44	DP+2.5	2.5	14°12'46"LT	38	38	1976	11Kv, Metal Road	UTTAR BHARATCHANDRA NAGAR	91°27'30"	23°18'30"	
49	45	45	SP+0	0	1°23'10"RT	45	45	2021		UTTAR BHARATCHANDRA NAGAR	91°27'30.6"	23°18'28.9"	
50	46	46	DP+2.5	2.5	14°37'23"LT	42	42	2063		UTTAR BHARATCHANDRA NAGAR	91°27'31.1"	23°18'28.7"	
51	47	47	DP+2.5	2.5	13°43'32"LT	43	43	2106	11kv, Metal Road	UTTAR BHARATCHANDRA NAGAR	91°27'33.5"	23°18'28.3"	Hold
52		47/1	SP+2.5	2.5		45			11Kv	UTTAR BHARATCHANDRA NAGAR	91°27'35"	23°18'28.3"	
53	48	48	SP+2.5	2.5	1°38'53"LT	45	50	2196	11Kv				
54	49	49	DP+0(L)	0(L)	33°23'34"LT	45	45	2241		UTTAR BHARATCHANDRA NAGAR	91°27'37.7"	23°18'29.8"	
55	50	50	DP+0(L)	0(L)	38°45'10"LT	40	40	2281	Metal Road, 11Kv	UTTAR BHARATCHANDRA NAGAR	91°27'38"	23°18'30.4"	Hold
56	51	51	DP+0	0	37°18'28"RT	45	45	2326	Metal Road	UTTAR BHARATCHANDRA NAGAR	91°27'39.6"	23°18'31.8"	
57	52	52	DP+0	0	37°10'18"RT	42	42	2368		UTTAR BHARATCHANDRA NAGAR	91°27'39.7"	23°18'33.7"	
58	53	53	DP+0	0	33°22'59"LT	45	45	2413		UTTAR BHARATCHANDRA NAGAR	91°27'36.7"	23°18'34.5"	
59	54	54	SP+0	0	7°38'0"LT	45	45	2458		UTTAR BHARATCHANDRA NAGAR	91°27'40.8"	23°18'35.6"	
60	55	55	SP+1.5(L)	1.5(L)	9°0'58"LT	41	41	2499		UTTAR BHARATCHANDRA NAGAR	91°27'41.6"	23°18'36.9"	
	56	56	DP+2.5(L)	2.5(L)	16°8'17"RT	44	44	2543	Metal Road, 11Kv	UTTAR BHARATCHANDRA NAGAR	91°27'42.1"	23°18'38.1"	Hold
62	57	57	DP+2.5(L)	2.5(L)	37°53'2"LT	42	42	2585	2Nos 11Kv, Metal Road	UTTAR BHARATCHANDRA NAGAR	91°27'42.4"	23°18'39.6"	
63	58	58	DP+0	0	37°31'45"LT	42	42	2627		UTTAR BHARATCHANDRA NAGAR	91°27'43.1"	23°18'40.7"	
64	59	59	FP+0	0	61°1'23"RT	42	42	2669	Metal Road	UTTAR BHARATCHANDRA NAGAR	91°27'42.9"	23°18'42"	
65	60	60	DP+0	0	34°31'45"RT	42	42	2711		UTTAR BHARATCHANDRA NAGAR	91°27'42.2"	23°18'43.2"	
66	61	61	DP+0	0	37°7'24"LT	42	42	2753	Metal Road	UTTAR BHARATCHANDRA NAGAR	91°27'43"	23°18'44.4"	
67	62	62	DP+0	0	15°40'5"LT	44	44	2797	Metal Road	UTTAR BHARATCHANDRA NAGAR	91°27'44.4"	23°18'44.9"	Hold
68	63	63	SP+0(L)	0(L)	6°53'19"RT	45	45	2842	Metal Road, LT Line	UTTAR BHARATCHANDRA NAGAR	91°27'45.2"	23°18'46.1"	
69	64	64	DP+2.5	2.5	13°9'3"RT	42	42	2884	Metal Road, LT Line	UTTAR BHARATCHANDRA NAGAR	91°27'45.7"	23°18'47.5"	
70	65	65	SP+2.5(L)	2.5(L)	1°25'28"LT	42	42	2926	11Kv	UTTAR BHARATCHANDRA NAGAR	91°27'46.2"	23°18'48.8"	
71	66	66	FP+2.5	2.5	64°51'51"LT	37	37	2963	Metal Road, LT Line	UTTAR BHARATCHANDRA NAGAR	91°27'47.1"	23°18'49.9"	
72	67	67	FP+2.5(L)	2.5(L)	64°59'22"RT	42	42	3005	2Nos LT Line, 11Kv, Metal Road	UTTAR BHARATCHANDRA NAGAR	91°27'47.8"	23°18'50.9"	
73	68	68	DP+2.5	2.5	16°43'50"LT	44	44	3049	Metal Road, 11Kv, LT Line	UTTAR BHARATCHANDRA NAGAR	91°27'47"	23°18'52"	
74	69	69	DP+0(L)	0(L)	54°35'46"LT	42	42	3091	LT Line	UTTAR BHARATCHANDRA NAGAR	91°27'47.9"	23°18'53.3"	
	70	70	DP+2.5	2.5	14°21'20"LT	42	42	3133	Vil Road	UTTAR BHARATCHANDRA NAGAR	91°27'48.4"	23°18'54.5"	
76	71	71	DP+2.5	2.5	19°13'19"RT	42	42	3175	11Kv	UTTAR BHARATCHANDRA NAGAR	91°27'47.5"	23°18'55.6"	
77	72	72	DP+2.5	2.5	20°10'6"RT	40	40	3215		UTTAR BHARATCHANDRA NAGAR	91°27'46.3"	23°18'56.5"	
78	73	73	DP+2.5	2.5	10°1'10"LT	42	42	3257	2Nos 11Kv	UTTAR BHARATCHANDRA NAGAR	91°27'45.8"	23°18'57.9"	Hold
79		73/1	SP+0(L)	0(L)		42			Metal Road, LT Line	UTTAR BHARATCHANDRA NAGAR	91°27'45.1"	23°18'58.9"	
80	74	74	DP+0(L)	0(L)	28°52'47"LT	45	87	3344					
81	75	75	DP+0(L)	0(L)	18°15'56"RT	42	42	3386	11Kv	UTTAR BHARATCHANDRA NAGAR	91°27'44.1"	23°19'1.1"	
82	76	76	SP+0(L)	0(L)	3°18'6"RT	42	42	3428	Metal Road, LT Line	UTTAR BHARATCHANDRA NAGAR	91°27'43"	23°19'2.4"	
83	77	77	DP+0(L)	0(L)	14°9'17"RT	42	42	3470	Metal Road, LT Line	UTTAR BHARATCHANDRA NAGAR	91°27'42.2"	23°19'3.6"	
84	78	78	DP+2.5	2.5	19°42'7"RT	42	42	3512	Metal Road, LT Line+11Kv	UTTAR BHARATCHANDRA NAGAR	91°27'41.4"	23°19'4.8"	
85	79	79	DP+2.5	2.5	10°41'46"LT	42	42	3554	11Kv, Metal Road	UTTAR BHARATCHANDRA NAGAR	91°27'41"	23°19'6.1"	Hold
86	80	80	FP+0	0	85°35'1"RT	45	45	3599		UTTAR BHARATCHANDRA NAGAR	91°27'41.1"	23°19'7.4"	
87	81	81	DP+0	0	14°30'46"RT	38	38	3637	Metal Road	UTTAR BHARATCHANDRA NAGAR	91°27'41"	23°19'8.8"	
88	82	82	DP+2.5	2.5	54°1'0"LT	42	42	3679		UTTAR BHARATCHANDRA NAGAR	91°27'42.5"	23°19'9.1"	
89	83	83	DP+2.5	2.5	50°15'10"LT	42	42	3721	11Kv, LT Line	UTTAR BHARATCHANDRA NAGAR	91°27'43.7"	23°19'9"	
										UTTAR BHARATCHANDRA NAGAR	91°27'44.7"	23°19'10"	

SUBMITTED BY
TECHNOTAB ENGINEERING LTD

For- Technotab Engineering Ltd
Dms-1&3
Udaipur-Tripura

Raju Singha
फील्ड सुपरवाईजर / FIELD SUPERVISOR
पावर ग्रिड / POWER GRID
उ.पू.क्षे. / NER, UDAIPUR

एम.के.नाग / M. K. NAG
प्रबंधक / MANAGER
पावरग्रिड / POWERGRID
उ.पू.क्षे., उदयपुर / NER, UDAIPUR

APPROVED BY

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CROSSING DETAILS

LINK NAME: LILO OF EXISTING TIRTHAMUKH TO SILACHARI LINE AT PROPOSED 33KV KARBOOK S/S				
S.No.	Description	Unit	Quantity	Remarks
A	Pole Height			
1	0 m Extension	13		
2	2 m Extension	0		
3	4 m Extension	0		
B	Crossings			
2	LT Line Crossing	0		
3	11 kV Crossing	0		
4	33 kV Crossing	0		
5	66 kV Crossing	0		
6	132 kV Crossing	0		
7	400 kV Crossing	0		
8	NH Crossing	0		
9	Railway Line Crossing	0		
C	River Crossing	0		
D	Nala Crossing	0		
E	Pond Crossing	0		
F	Road Crossing			
1	Metal Road (MRD)	0		
2	Village/Brick Road	0		
G	Span Violation	0		
H	Angle Violation	1		

Note: We have approved 12 m Pole Drawing (0 m Extension) and we have proposed 14 m Pole (2 m Extension) and 16 m Pole (4 m Extension) for crossings.

Recommended for further approval for normal length of pole only, except extension of pole, deviation of angle violation, all sort of crossing and violation of span etc.

TECHNOFAB ENGINEERING LIMITED TRIPURA

Akhil Chakma
डी० ई० टी / DET
पवर ग्रिड / POWER GRID
उ० पू० क्षे० उदयपुर / NER, UDAIPUR

एम. के. नाग / M. K. NAG
MANAGER

SUBMITTED BY:
TechnoFab Engineering Ltd.

CHECKED BY:
PGCIL

APPROVED BY:
PGCIL

POLE SUMMARY

POLE SUMMARY DETAILS							
TRIPURA STATE ASSOCIATED WITH NER POWER SYSTEM IMPROVEMENT PROJECT (DMS PACKAGE-01)							
TRI-DMS-01 (3603) CC-CS/86-NER/REW-2984/1/G2/NOA-I/7166 & 7167 Date: 22.02.2017							
LINE LINK: LILO OF EXISTING TIRTHAMUKH TO SILACHARI LINE AT PROPOSED 33KV KARBOOK S/S							
TOTAL LINE LENGTH: 0.140 km							
S.No.	Type of Pole	Extension	Pole Qty	12 m Pole	14 m Pole	16 m Pole	Remarks
1	SP (GA-01)	0 m	0	0			
2		2 m	0		0		
3		4 m	0			0	
4	SP (GA-02)	0 m	1	1			
5		2 m	0		0		
6		4 m	0			0	
7	DP (GA-03)	0 m	2	4			Hold
8		2 m	0		0	Hold	
9		4 m	0			0	
10	FP (GA-04)	0 m	2	8			
11		2 m	0		0		
12		4 m	0			0	
	TOTAL			13	0	0	

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:
TechnoFab Engineering Ltd.

Akhil Chakma
CHECKED BY:
POWERGRID
PGCIL/NER, UDAIPUR

M. K. NAG
MANAGER
POWERGRID
APPROVED BY:
PGCIL

DETAIL POLE SCHEDULE OF "LILO OF EXISTING 33 KV TIRTHAMUK TO SILACHARI AT PROPOSED KARBOOK 33 KV S/S"

LOOP IN

SL.NO	AP NO	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV LENGTH	CROSSING	VILLAGE NAME	GPS (WGS-84)		REMARKS
											EASTING	NORTHING	
1	T.P	T.P	DP+0	0						KARBOOK	91°44'42.8"	23°19'52.7"	
						45	45	45	Food Godown Boundary				
2	AP-1	AP-1	FP+0	0	85°52'3"RT					KARBOOK	91°44'43.7"	23°19'51.4"	

LOOP OUT

SL.NO	AP NO	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV LENGTH	CROSSING	VILLAGE NAME	GPS (WGS-84)		REMARKS
											EASTING	NORTHING	
2	AP-1	AP-1	FP+0	0	108°48'59"RT					KARBOOK	91°44'43.8"	23°19'50.7"	
						32	32	32	FootPath				
3	AP-2	AP-2	SP+0	0	00°45'08"RT					KARBOOK	91°44'43.8"	23°19'49.7"	
						31	31	63					
4	T.P	T.P	DP+0	0						KARBOOK	91°44'43.8"	23°19'48.7"	

Pole shedule with normal pole (Nom) which are within permissible limits of angle of deviation and within limit of permissible limit of individual span are approved.

Put on hold all road crossing span, power line crossing span, railway line crossing span, river crossing span etc. span having individual span limit violation and individual angle limit violation.

Details profile are to be submitted for above crossing.

M/s Technofab may be initiated accordingly.

Detail profile may be submitted at earliest.

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY
TECHONFAB ENGINEERING

Akhil Chakma
डी० ई० टी / DET
पावर ग्रिड / POWER GRID
उ० पू० क्षेत्र / NER, UDAIPUR
P.G.C.I.L

CHECKED BY

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उ.पू.क्षे., उदयपुर / NER, UDAIPUR

APPROVED BY
P.G.C.I.L.

पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
POWER GRID CORPORATION OF INDIA LIMITED
(A Govt. of India Enterprise)
NERPSIP Site Office Belonia, Opp to Information Center, Bankar, Belonia- 799155, E-mail:nerpsbln@gmail.com

Ref.No. NEBLN/NERPSIP/2017-18/BLN-16/ 110 DATE: 26.10.2017

To

Asst General Manager (Projects)
M/s Technofab Engineering Limited,
Ramnagar-03, Agartala-799002.

Kind Attention: Mr.Manoj Kumar Rai.

Ref: NOA No: /86-NER/REW-2985/1/G2/NOA-1/7145
NOA No: /86-NER/REW-2987/1/G2/N146OA-II/7

Sub: Approval detail of Detail Survey of 33 KV Belonia-Chittamara Line under Package TRI- DMS-01.

Dear Sir,

This has reference to your letter No: PGCIL/DMS02/Technofab/2017-18/ Dtd: 17.08.2017 vide which you have submitted detail survey report for **33 KV Belonia-Chittamara Line under Package TRI-DMS-01.**The approval as well as hold details of the above detail survey are indicated in enclosed survey report & the same are summarized in the enclosed ANNEXURE-I.

You are requested to submit detail survey profile for all types of crossing spans v.i.z Road/N.H/LT/HT/River and spans which have violated the maximum limits for further approval of competent authority.

Thanking you,

Encl:As above

Yours faithfully,

26/10/2017

(M.H.Choudhury)
Manager,NERPSIP,Belonia

Copy: DGM(NERPSIP),POWERGRID,Agartala-with a copy of detail survey report.

ANNEXURE-I

Approval & hold details of Detail Survey for 33 KV Belonia-Chittamara line under Package TRI:DMS:01.

Approved No of Normal Pole(+0M Extn) as per submitted drg			Hold No of power line x-ing span(LT,11 KV,33 KV,66KV)	Hold No of Road/NH Xing	Hold No of River crossing	Hold No of +0m Extn (Nos)			Hold No of +2m Extn (Nos)			Hold No of +4m Extn(Nos)			Hold No of Span violations	Hold,No angle violations
SP(GA01+GA02)	DP(GA03)	FP(GA04)				SP(GA01+GA02+GA05)	DP(GA03+GA06)	FP(GA04+GA07)	SP(GA01+GA02)	DP(GA03+GA06)	FP(GA04+GA07)	SP(GA01+GA02)	DP(GA03+GA06)	FP(GA04+GA07)		
25+10= 35 Nos	(24X2)= 48 Nos	(2x4)= 8 Nos	143 Nos	109 Nos	1	23+5+6= 34 Nos	(28X2)+(26X2)=56+52 = 108 Nos	(3X4)+(1X4)=12+4=16 Nos	6+5= 11Nos	(44X2)+(1X2)=88+2=90 Nos	(6x4)+(1X4)=24+4= 28 Nos	20+8= 28 Nos	(32X2)+(9x2)=64+18= 82 Nos	(3x4)+0= 12 Nos	1	2
Total=91 Nos																

26/10/2017

एम. एच. चौधरी/M. H. Choudhury
प्रबंधक, Manager
पावरग्रिड/POWERGRID
एन.ई.आर.पी.एस.आई.पी/NERPSIP
बेलनिया/Belonia

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33 KV BELONIA S/S TO PROPOSED 33 KV CHATTRAMARA S/S

SL.NO	AP NO	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
											EASTING	NORTHING	
1	AP-BAY	BAY	FP+0	0						BELONIA	91°28'36.9"	23°14'43.3"	
						10	10	10					
2	AP-1	1	FP+4	4	63°4'21"LT					BELONIA	91°28'37"	23°14'42.9"	
						37			3Nos 11Kv				
3		LOC-1/1	DP+4	4	ON hold								USE DP FOR POWER LINE CROSSING
						37	74	84	3Nos 11Kv, LT Line, Metal Road				
4	AP-2	2	DP+4	4	7°36'28"RT					BELONIA	91°28'39.5"	23°14'42.2"	
						28	28	112	S/S Boundary				
5	AP-3	3	DP+2	2	40°58'41"LT					BELONIA	91°28'40.4"	23°14'41.9"	
						43	43	155	LT Line				
6	AP-4	4	DP+2	2	29°50'15"LT					BELONIA	91°28'41.8"	23°14'42.3"	
						37							
7		LOC-4/1	SP+2	2									
					ON HOLD	37			LT Line				
8		LOC-4/2	SP+2	2									
						37	111	266					
9	AP-5	5	DP+4	4	18°51'4"RT					BELONIA	91°28'44.5"	23°14'44.9"	
						26			Metal Road, LT Line				
10		LOC-5/1	DP+4	4									USE DP FOR POWER LINE CROSSING
						30	56	322	33Kv				
11	AP-6	6	DP+2	2	45°33'25"LT					BELONIA	91°28'46.3"	23°14'45.7"	
						27	27	349	LT Line				
12	AP-7	7	DP+4	4	19°28'14"LT					BELONIA	91°28'46.6"	23°14'46.6"	
						38			LT Line+11Kv				
13		LOC-7/1	SP+4	4									
						38	76	425					
14	AP-8	8	SP+0	0	6°19'20"LT					BELONIA	91°28'46.4"	23°14'49"	SP WITH ANGLE
						39							
15		LOC-8/1	SP+4	4	hold								
						39	78	503	11Kv				
16	AP-9	9	DP+4	4	18°23'47"RT					BELONIA	91°28'46"	23°14'51.5"	
						40							
17		LOC-9/1	SP+4	4									
						42	82	585	11Kv, Metal Road				
18	AP-10	10	DP+4	4	38°9'30"RT					BELONIA	91°28'46.5"	23°14'54.2"	

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOFAB

Biswajit Singha (AET) (P.G.C.I.L.)

PAGE:-1/17

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33 KV BELONIA S/S TO PROPOSED 33 KV CHATTRAMARA S/S

						27	27	612	11Kv, Metal Road				
19	AP-11	11	DP+4	4	46°44'25"LT					BELONIA	91°28'47.2"	23°14'54.8"	
						40			Metal Road				
20		LOC-11/1	SP+0	0									
					on hold	40			66 Kv				
21		LOC-11/2	SP+0	0									
						40							
22		LOC-11/3	SP+0	0									
						42	162	774					
23	AP-12	12	SP+2	2	8°30'59"LT					BELONIA	91°28'47.3"	23°15'0"	SP WITH ANGLE
						40			Metal Road, LT Line				
24		LOC-12/1	SP+2	2	hold								
						40							
25		LOC-12/2	DP+0	0									USE DP AS A SECTION POLE
						42							
26		LOC-12/3	SP+0	0									
						45							
27		LOC-12/4	SP+0	0									
						45							
28		LOC-12/5	SP+0	0									
						30	242	1016	Village Road				
29	AP-13	13	SP+0	0	1°48'18"RT					BELONIA	91°28'46.2"	23°15'7.8"	SP WITH ANGLE
						35							
30		LOC-13/1	SP+0	0									
						35							
31		LOC-13/2	DP+0	0									USE DP AS A SECTION POLE
					on hold	30	100	1116					
32	AP-14	14	SP+0	0	3°37'26"RT					BELONIA	91°28'45.8"	23°15'11"	SP WITH ANGLE(ONLINE (11KV))
						30			11Kv				
33		LOC-14/1	SP+0	0									
						33	63	1179	Village Road				
34	AP-15	15	SP+0	0	9°3'33"LT					BELONIA	91°28'45.7"	23°15'13.1"	SP WITH ANGLE(ONLINE (11KV))
						45	45	1224					
35	AP-16	16	DP+0	0	24°37'44"LT					BELONIA	91°28'45.4"	23°15'14.5"	
						33	33	1257	11Kv				
36	AP-17	17	DP+0	0	27°27'52"RT					BELONIA	91°28'44.8"	23°15'15.4"	ONLINE (11KV)
						42							
37		LOC-17/1	SP+0	0									
						42	84	1341					
38	AP-18	18	SP+0	0	7°43'25"LT					BELONIA	91°28'44.3"	23°15'18.1"	SP WITH ANGLE

TECHNOFAB ENGINEERING LIMITED TRIPURA

Anniyagi PS PGCIL.

Biswajit Singha (AET) (P.G.C.I.L.)

M.H. Choudhury
प्रबंधक/Manager
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एन.ई.आर.पि.एस.आई.पि./NERPSIP
बेलोनिया/Belonia.

SUBMITTED BY:TECHNOFAB

PAGE:-2/17

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE LINE NAME:PROPOSED 33 KV BELONIA S/S TO PROPOSED 33 KV CHATTRAMARA S/S

						45							
39		LOC-18/1	SP+2	2									
					hold	45			LT Line				
40		LOC-18/2	SP+2	2									
						42							
41		LOC-18/3	SP+0	0									
						41							
42		LOC-18/4	DP+2	2									UES DP FOR POWER LINE CROSSING
						45	218	1559	LT Line, 11Kv				
43	AP-19	19	D/C FP+2	2	14°24'13"LT					BELONIA	91°28'42.2"	23°15'24.9"	UES FP FOR D/C 33KV
						28	28	1587	33Kv, Metal Road				
44	AP-20	20	FP+0	0	61°19'20"RT					BELONIA	91°28'41.7"	23°15'25.7"	
						29	29	1616	Metal Road				
45	AP-21	21	DP+0	0	27°26'31"LT					BELONIA	91°28'42.2"	23°15'26.5"	
						43							
46		LOC-21/1	SP+0	0	on hold								
						40	83	1699	Metal Road				
47	AP-22	22	D/C DP+0	0	7°32'45"RT					BELONIA	91°28'42.4"	23°15'29.2"	ONLINE (11KV)
						45	45	1744	Village Road				
48	AP-23	23	D/C DP+0	0	7°7'47"LT					BELONIA	91°28'42.7"	23°15'30.6"	ONLINE (11KV)
						40	40	1784					
49	AP-24	24	D/C DP+0	0	16°11'32"LT					BELONIA	91°28'42.8"	23°15'31.9"	ONLINE (11KV)
						45	45	1829					
50	AP-25	25	DP+4	4	21°31'53"RT					BELONIA	91°28'42.5"	23°15'33.4"	
						39	39	1868	33Kv, Metal Road				
51	AP-26	26	SP+4	4	0°57'6"LT					BELONIA	91°28'42.7"	23°15'34.6"	SP WITH ANGLE
						39							
52		LOC-26/1	SP+0	0									
						39							
53		LOC-26/2	DP+4	4									USE DP FOR POWER LINE CROSSING
					on hold	38	116	1984	2Nos 11Kv, LT Line, Metal Road				
54	AP-27	27	DP+4	4	40°54'51"LT					BELONIA	91°28'43.3"	23°15'38.3"	
						34	34	2018	11KV,Metal Road				
55	AP-28	28	DP+4	4	22°10'39"RT					BELONIA	91°28'42.6"	23°15'39.3"	
						29			LT Line				
56		LOC-28/1	DP+4	4									Use DP+4 Pole For Special Tower

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOFAB

Hiranmoy Ji
DGM

Biswajit Singha
AET
P.G.(I.L.)

PAGE:-3/17

एम. एच. चौधुरी/M.H. Choudhury
प्रबंधक/Manager
पावरग्रिड/POWERGRID
एन.ई.आर.पी.एस.आई.पी./NERPSIP
बेलोनिया/Belonia

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33 KV BELONIA S/S TO PROPOSED 33 KV CHATTRAMARA S/S

						33	62	2080	2Nos 11Kv				
57	AP-29	29	SPL TOWER		12°9'16"RT					BELONIA	91°28'42.2"	23°15'41.3"	Use Special Tower For River Crossing
						118	118	2198	Mouri River, 2Nos LT Line				
58	AP-30	30	SPL TOWER		43°54'10"RT					BELONIA	91°28'42.3"	23°15'45.1"	Use Special Tower For River Crossing
					hold	33	33	2231	Metal Road				
59	AP-31	31	DP+4	4	27°37'16"RT					BELONIA	91°28'43.2"	23°15'45.8"	Use DP+4 Pole For Special Tower
						32	32	2263	LT Line, 11Kv, Metal Road				
60	AP-32	32	DP+4	4	22°50'6"LT					BELONIA	91°28'44.2"	23°15'46.1"	
						30	30	2293					
61	AP-33	33	DP+0	0	38°20'36"LT					BELONIA	91°28'45.1"	23°15'46.8"	
						29							
62		LOC-33/1	D/C DP+0	0									ONLINE (11KV)
						28	57	2350					
63	AP-34	34	D/C DP+0	0	8°18'24"RT					BELONIA	91°28'45.5"	23°15'48.6"	ONLINE (11KV)
						39							
64		LOC-34/1	D/C DP+4	4									ONLINE (11KV)
						39	78	2428	3Nos 11Kv				
65	AP-35	35	DP+4	4	42°41'55"LT					BELONIA	91°28'46.4"	23°15'51"	
						30	30	2458	LT Line, 11Kv, Metal Road				
66	AP-36	36	DP+4	4	7°25'18"LT					BELONIA	91°28'46"	23°15'51.9"	
					hold	33	33	2491	LT Line				
67	AP-37	37	DP+2	2	23°30'49"LT					BELONIA	91°28'45.4"	23°15'52.8"	
						30							
68		LOC-37/1	SP+2	2									
						31	61	2552	LT Line				
69	AP-38	38	DP+2	2	11°23'57"LT					BELONIA	91°28'43.7"	23°15'54"	
						45	45	2597	Metal Road, 11Kv				
70	AP-39	39	D/C DP+4	4	25°27'48"LT					BELONIA	91°28'42.3"	23°15'54.6"	ONLINE (11KV)
						41							
71		LOC-39/1	SP+0	0									ONLINE (11KV)
						42	83	2680					
72	AP-40	40	D/C DP+4	4	18°12'32"LT					BELONIA	91°28'39.4"	23°15'54.6"	ONLINE (11KV)
					on hold	31			11Kv				
73		LOC-40/1	SP+4	4									
						29	60	2740	LT Line				
74	AP-41	41	DP+2	2	14°0'27"RT					BELONIA	91°28'37.4"	23°15'54"	

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOFAB

Bhuvajit Singha (AET) (P.G.C.I.L)

PAGE:-4/17

APPROVED BY:

प्रबंधक/Manager
पावरग्रिड/POWERGRID

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33 KV BELONIA S/S TO PROPOSED 33 KV CHATTRAMARA S/S

						27	27	2767					
75	AP-42	42	DP+4	4	6°9'27"LT					BELONIA	91°28'36.4"	23°15'53.9"	
					hold	27	27	2794	LT Line, 33Kv, Metal Road				
76	AP-43	43	DP+4	4	21°7'29"RT					BELONIA	91°28'35.5"	23°15'53.7"	
						30	30	2824					
77	AP-44	44	DP+0	0	18°45'16"LT					BELONIA	91°28'34.4"	23°15'53.9"	
						26							
78		LOC-44/1	SP+0	0	hold								
						25	51	2875	Metal Road				
79	AP-45	45	DP+0	0	23°59'27"LT					BELONIA	91°28'32.7"	23°15'53.7"	
						27	27	2902					
80	AP-46	46	DP+0	0	11°5'22"RT					BELONIA	91°28'31.9"	23°15'53.2"	
						45	45	2947					
81	AP-47	47	DP+0	0	13°55'59"RT					BELONIA	91°28'30.4"	23°15'52.7"	
						36							
82		LOC-47/1	SP+4	4	hold								
						36	72	3019	LT Line				
83	AP-48	48	DP+2	2	51°3'40"LT					BELONIA	91°28'27.9"	23°15'52.4"	
						31			Metal Road				
84		LOC-48/1	SP+0	0									
						33			Nala				
85		LOC-48/2	SP+0	0									
						28	92	3111					
86	AP-49	49	DP+0	0	19°35'13"RT					BELONIA	91°28'26.2"	23°15'49.9"	
						29	29	3140	Metal Road				
87	AP-50	50	DP+0	0	43°35'25"LT					BELONIA	91°28'25.4"	23°15'49.3"	
					hold	28	28	3168					
88	AP-51	51	DP+2	2	28°13'11"RT					BELONIA	91°28'25.2"	23°15'48.4"	
						45	45	3213	LT Line, Village Road				
89	AP-52	52	SP+2	2	7°57'15"RT					BELONIA	91°28'24.3"	23°15'47.2"	SP WITH ANGLE
						41	41	3254					
90	AP-53	53	DP+0	0	31°50'51"RT					BELONIA	91°28'23.3"	23°15'46.2"	
						30	30	3284					
91	AP-54	54	DP+2	2	14°35'30"RT					BELONIA	91°28'22.3"	23°15'46"	
						32	32	3316	LT Line, Metal Road				
92	AP-55	55	FP+2	2	69°44'40"RT					BELONIA	91°28'21.2"	23°15'46"	
						32							
93		LOC-55/1	SP+0	0									
						32	64	3380	Metal Road				
94	AP-56	56	DP+0	0	46°30'36"LT					BELONIA	91°28'20.4"	23°15'48"	

SUBMITTED BY-TECHNOFAB.

Hari Nyaji
(S.O)
PGCIL

Biswajit Singha
(AET)
(PGCIL)

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33 KV BELONIA S/S TO PROPOSED 33 KV CHATTRAMARA S/S

						28							
95		LOC-56/1	SP+0	0									
						30	58	3438					
96	AP-57	57	DP+0	0	18°35'21"LT					BELONIA	91°28'18.5"	23°15'48.7"	
						30	30	3468					
97	AP-58	58	DP+0	0	14°31'10"RT					BELONIA	91°28'17.8"	23°15'49.4"	
						31	31	3499					
98	AP-59	59	FP+2	2	96°34'7"LT					BELONIA	91°28'17.2"	23°15'50.2"	
						42			LT Line, Metal Road				
99		LOC-59/1	SP+4	4	hold								
						41	83	3582	LT Line, Village Road				
100	AP-60	60	DP+2	2	30°30'16"RT					BELONIA	91°28'14.9"	23°15'48.5"	
						29	29	3611	LT Line, Metal Road				
101	AP-61	61	FP+2	2	69°46'46"LT					BELONIA	91°28'13.9"	23°15'48.3"	
						37			LT Line, Metal Road				
102		LOC-61/1	SP+4	4									
						37							
103		LOC-61/2	SP+0	0									
						37	111	3722					
104	AP-62	62	D/C DP+0	0	44°25'9"RT					BELONIA	91°28'13.2"	23°15'44.8"	ONLINE (11KV)
						30	30	3752	Metal Road				
105	AP-63	63	DP+0	0	15°17'1"LT					BELONIA	91°28'12.3"	23°15'44.2"	
						30	30	3782					
106	AP-64	64	DP+2	2	30°21'47"RT					BANKAR	91°28'11.6"	23°15'43.5"	
					hold	40			LT Line				
107		LOC-64/1	SP+4	4									
						40	80	3862	LT Line, Village Road				
108	AP-65	65	DP+2	2	19°10'31"LT					BANKAR	91°28'9"	23°15'42.6"	
						27	27	3889	Metal Road				
109	AP-66	66	D/C DP+0	0	15°29'45"RT					BANKAR	91°28'8.2"	23°15'42.1"	ONLINE (11KV)
						29	29	3918					
110	AP-67	67	DP+0	0	20°8'53"RT					BANKAR	91°28'7.3"	23°15'41.7"	
						28							
111		LOC-67/1	SP+0	0									
						30	58	3976					
112	AP-68	68	DP+2	2	21°18'10"RT					BANKAR	91°28'5.3"	23°15'41.6"	
					hold	27	27	4003	LT Line, Metal Road				
113	AP-69	69	DP+2	2	28°8'43"RT					BANKAR	91°28'4.4"	23°15'41.8"	
						29	29	4032	LT Line+11Kv, Metal Road				
114	AP-70	70	DP+2	2	36°59'44"RT					BANKAR	91°28'3.7"	23°15'42.5"	

TECHNOFAB ENGINEERING LIMITED TRIPURA

Niyagi
PS
PGCIL

Biswajit Singha
(AET)
(P.G.C.I.L)

एम. एच. चौधरी
प्रबंधक/Manager
पावरग्रिड/POWERGRID
एन.ई.आर.वि.एस.आई.पि./NERPSI
Belonia.

PREMITTED BY:TECHNOFAB

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33 KV BELONIA S/S TO PROPOSED 33 KV CHATTRAMARA S/S

						30	30	4062					
115	AP-71	71	SP+0	0	6°15'15"RT					BANKAR	91°28'3.5"	23°15'43.5"	SP WITH ANGLE
						30	30	4092					
116	AP-72	72	DP+2	2	25°19'3"RT					BANKAR	91°28'3.5"	23°15'44.5"	
						32	32	4124	LT Line+11Kv, Metal Road				
117	AP-73	73	DP+2	2	56°30'45"RT					BANKAR	91°28'4"	23°15'45.4"	
						33	33	4157					
118	AP-74	74	D/C FP+0	0	75°9'37"LT					BANKAR	91°28'5.1"	23°15'45.6"	ONLINE (11KV)
						29	29	4186	LT Line+11Kv, Metal Road				
119	AP-75	75	D/C DP+0	0	13°39'36"LT					BANKAR	91°28'5.3"	23°15'46.5"	ONLINE (11KV)
						27	27	4213					
120	AP-76	76	D/C DP+0	0	12°1'47"LT					BANKAR	91°28'5.1"	23°15'47.4"	ONLINE (11KV)
						33	33	4246					
121	AP-77	77	FP+4	4	63°52'20"RT					BANKAR	91°28'4.7"	23°15'48.4"	
					ON hold	24	24	4270	LT Line+11Kv, LT Line, Metal Road				
122	AP-78	78	SP+4	4	3°0'13"RT					BANKAR	91°28'5.3"	23°15'49"	SP WITH ANGLE
						21	21	4291	LT line, Metal Road				
123	AP-79	79	DP+4	4	25°18'59"LT					BANKAR	91°28'5.9"	23°15'49.4"	
						25	25	4316	LT Line				
124	AP-80	80	SP+4	4	5°21'50"					BANKAR	91°28'6.2"	23°15'50.2"	SP WITH ANGLE
						18	18	4334	Metal Road, 33Kv				
125	AP-81	81	D/C DP+4	4	3°17'17"RT					BANKAR	91°28'6.4"	23°15'50.7"	ONLINE (11KV)
						28	28	4362	Metal Road				
126	AP-82	82	DP+0	0	29°53'22"LT					BANKAR	91°28'6.7"	23°15'51.6"	
						27			LT Line				
127		LOC-82/1	SP+0	0									
						28	55	4417					
128	AP-83	83	DP+2	2	41°32'57"LT					BANKAR	91°28'6.4"	23°15'53.3"	
						25	25	4442	LT Line, Metal Road				
129	AP-84	84	FP+2	2	69°15'6"RT					BANKAR	91°28'5.7"	23°15'53.9"	
						31	31	4473	LT Line,Metal Road				
130	AP-85	85	DP+4	4	44°4'41"LT					BANKAR	91°28'6"	23°15'54.8"	
						29	29	4502	Metal Road, 33Kv, LT Line				
131	AP-86	86	DP+4	4	27°17'30"RT					BANKAR	91°28'5.6"	23°15'55.7"	
						24	24	4526	LT Line, Metal Road				
132	AP-87	87	DP+4	4	53°24'43"LT					BANKAR	91°28'5.6"	23°15'56.4"	
						26	26	4552	Metal Road				
133	AP-88	88	D/C DP+0	0	14°44'5"RT					BANKAR	91°28'4.9"	23°15'57"	ONLINE (11KV)
						23	23	4575					

TECHNOFAB ENGINEERING LIMITED TRIPURA

Hanniyagi B. PGCIL.

Biswajit Singha (AM) (P.G.C.I.L)

SUBMITTED BY:TECHNOFAB

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33 KV BELONIA S/S TO PROPOSED 33 KV CHATTRAMARA S/S

134	AP-89	89	DP+0	0	59°36'45"LT					BANKAR	91°28'4.4"	23°15'57.5"	
						29	29	4604					
135	AP-90	90	DP+4	4	22°16'23"RT					BANKAR	91°28'3.4"	23°15'57.4"	
						32			Metal Road, LT Line				
136		LOC-90/1	DP+4	4									
					On hold	33	65	4669	Metal Road				
137	AP-91	91	D/C DP+0	0	59°35'47"RT					BANKAR	91°28'1.1"	23°15'57.9"	ONLINE (11KV)
						27	27	4696					
138	AP-92	92	SP+4	4	5°21'3"RT					BANKAR	91°28'0.9"	23°15'58.7"	SP WITH ANGLE
						28	28	4724	2Nos 11Kv, Metal Road				
139	AP-93	93	DP+2	2	23°25'47"RT					BANKAR	91°28'0.7"	23°15'59.6"	
						38							
140		LOC-93/1	SP+0	0									
						38	76	4800	Metal Road				
141	AP-94	94	D/C DP+0	0	54°28'0"LT					BANKAR	91°28'1.2"	23°16'2"	ONLINE (11KV)
						32	32	4832	Metal Road				
142	AP-95	95	D/C DP+4	4	47°59'40"RT					BANKAR	91°28'0.4"	23°16'2.8"	ONLINE (11KV)
					On hold	29	29	4861	Metal Road, LT Line				
143	AP-96	96	D/C DP+2	2	12°49'22"LT					BANKAR	91°28'0.5"	23°16'3.7"	ONLINE (11KV)
						31	31	4892	Metal Road, LT Line				
144	AP-97	97	D/C DP+4	4	55°8'32"RT					BANKAR	91°28'0.4"	23°16'4.7"	ONLINE (11KV)
						26	26	4918	Metal Road, LT Line, 11Kv				
145	AP-98	98	FP+2	2	67°58'40"LT					BANKAR	91°28'1"	23°16'5.3"	
						29	29	4947	Metal Road, 11Kv				
146	AP-99	99	DP+2	2	14°11'10"LT					BANKAR	91°28'0.7"	23°16'6.2"	
						41							
147		LOC-99/1	SP+0	0									
						40	81	5028					
148	AP-100	100	D/C DP+0	0	15°57'15"RT					BANKAR	91°27'59"	23°16'8.3"	ONLINE (11KV)
						30	30	5058					
149	AP-101	101	SP+0	0	0°50'17"LT					BANKAR	91°27'58.7"	23°16'9.3"	SP WITH ANGLE(ONLINE (11KV))
						29	29	5087					
150	AP-102	102	DP+4	4	15°30'28"LT					BANKAR	91°27'58.3"	23°16'10.1"	ONLINE (11KV)
					On hold	28			LT Line				
151		LOC-102/1	D/C DP+4	4									ONLINE (11KV)
						31							
152		LOC-102/2	D/C DP+0	0									ONLINE (11KV)
						32	91	5178					
153	AP-103	103	D/C DP+0	0	24°13'26"RT					BANKAR	91°27'56.5"	23°16'12.6"	ONLINE (11KV)
						28	28	5206	Metal Road, Village Road				

TECHNO ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNO ENG.

H. Nirjari
P.S.
PGCIL

Bismajit Singha
(AET)
(P.G.C.I.L.)

एम. एच. चौधरी/M.H. Choudhury
प्रबंधक/Manager
पावरग्रिड/POWERGRID
एन ई आर पी एस/NERPSIP

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33 KV BELONIA S/S TO PROPOSED 33 KV CHATTRAMARA S/S

154	AP-104	104	D/C DP+0	0	21°10'50"RT					BANKAR	91°27'56.3"	23°16'13.4"	ONLINE (11KV)
						45			Metal Road				
156		LOC-104/1	SP+0	0									
					on hold	31	76	5282	Metal Road,LT Line,11KV				
157	AP-105	105	D/C DP+0	0	36°7'55"RT					BANKAR	91°27'56.8"	23°16'15.9"	ONLINE (11KV)
						27	27	5309	Metal Road				
158	AP-106	106	DP+0	0	20°37'53"LT					BANKAR	91°27'57.5"	23°16'16.5"	
						41							
159		LOC-106/1	SP+0	0									
						41	82	5391					
160	AP-107	107	DP+4	4	23°56'8"LT					BANKAR	91°27'58.7"	23°16'18.9"	
						44	44	5435	Metal Road, LT Line, 11Kv				
162	AP-108	108	DP+2	2	47°11'40"LT					BANKAR	91°27'58.7"	23°16'20.3"	
						25	25	5460	Metal Road				
163	AP-109	109	DP+2	2	57°7'32"RT					BANKAR	91°27'58.1"	23°16'20.9"	
					on hold	26	26	5486	Metal Road, LT Line+11Kv				
164	AP-110	110	DP+2	2	16°13'51"LT					BANKAR	91°27'58.3"	23°16'21.7"	
						29	29	5515	Metal Road, LT Line+11Kv				
165	AP-111	111	SP+4	4	4°9'29"RT					BANKAR	91°27'58.2"	23°16'22.7"	SP WITH ANGLE
						27	27	5542					
166	AP-112	112	DP+0	0	12°19'26"RT					BANKAR	91°27'58.2"	23°16'23.5"	
						22	22	5564	Metal Road				
167	AP-113	113	D/C DP+0	0	34°23'59"LT					BANKAR	91°27'58.4"	23°16'24.2"	ONLINE (11KV)
						26	26	5590	Metal Road				
168	AP-114	114	D/C DP+0	0	14°11'22"LT					BANKAR	91°27'58"	23°16'25"	ONLINE (11KV)
						29	29	5619					
169	AP-115	115	DP+0	0	16°5'37"LT					BANKAR	91°27'57.4"	23°16'25.8"	
						27			Village Road				
170		LOC-115/1	SP+0	0									
						28	55	5674					
171	AP-116	116	DP+0	0	35°51'24"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'55.9"	23°16'26.9"	
						29	29	5703					
172	AP-117	117	DP+0	0	20°1'9"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'55.6"	23°16'27.8"	
						28	28	5731					
173	AP-118	118	SP+0	0	6°35'21"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'55.6"	23°16'28.7"	SP WITH ANGLE
						35							
174		LOC-118/1	SP+0	0									

TECHNO FAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOFAB

H.N. Nyagi
Dy. Mgr (Pl&Cm)

Biswajit Singha
(AET) (PG (I.L))

PAGE:-9/17

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प्रबंधक/Manager
पावरग्रिड/POWERGRID
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APPROVED BY:

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33 KV BELONIA S/S TO PROPOSED 33 KV CHATTRAMARA S/S

						35							
175		LOC-118/2	SP+4	4									
						33	103	5834	LT Line+11Kv				
176	AP-119	119	SP+4	4	04°29'46"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'56.2"	23°16'32"	SP WITH ANGLE
						28	28	5862					
177	AP-120	120	FP+2	2	89°40'23"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'56.5"	23°16'32.8"	
					On hold	35	35	5897	LT Line+11Kv, Metal Road				
178	AP-121	121	DP+2	2	48°19'10"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'55.2"	23°16'33.1"	
						29	29	5926					
179	AP-122	122	D/C DP+0	0	50°53'06"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'54.7"	23°16'33.9"	ONLINE (11KV)
						31	31	5957					
180	AP-123	123	DP+0	0	18°39'58"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'53.7"	23°16'34.1"	
						34	34	5991					
181	AP-124	124	DP+0	0	16°20'5"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'52.6"	23°16'34.6"	
						33	33	6024					
182	AP-125	125	DP+2	2	18°42'54"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'51.8"	23°16'35.3"	
						30	30	6054	LT Line+11Kv, LT Line				
183	AP-126	126	DP+2	2	25°16'45"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'51.3"	23°16'36.2"	
						26	26	6080	LT Line, 11Kv, Metal Road				
184	AP-127	127	DP+2	2	28°44'21"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'51.3"	23°16'37"	
						29	29	6109	Village Road				
185	AP-128	128	DP+0	0	16°29'16"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'51.7"	23°16'37.9"	
					hold	28	28	6137	Metal Road				
186	AP-129	129	D/C DP+0	0	20°25'13"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'52.4"	23°16'38.5"	ONLINE (11KV)
						34							
187		LOC-129/1	D/C DP+0	0									ONLINE (11KV)
						35			Village Road				
188		LOC-129/2	SP+0	0									
						35	104	6241					

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOFAB

Biswajit Singha (AET) (P.G.C.I.L.)

PAGE:-10/17

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APPROVED BY:

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33 KV BELONIA S/S TO PROPOSED 33 KV CHATTRAMARA S/S

189	AP-130	130	DP+2	2	27°53'46"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'53.8"	23°16'41.6"	
						32			Metal Road, LT Line+11Kv				
190		LOC-130/1	SP+4	4									
						31	63	6304	Metal Road, LT Line+11Kv				
191	AP-131	131	DP+2	2	12°56'55"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'53.7"	23°16'43.7"	
						27	27	6331	LT Line+11Kv				
192	AP-132	132	DP+2	2	32°30'4"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'53.4"	23°16'44.5"	
						39			Village Road, LT Line				
193		LOC-132/1	SP+2	2									
						37	76	6407					
194	AP-133	133	DP+2	2	17°52'7"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'51.3"	23°16'46.1"	
						26	26	6433	Metal Road, LT Line				
195	AP-134	134	DP+2	2	43°39'5"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'50.5"	23°16'46.4"	
						32	32	6465	Metal Road, LT Line				
196	AP-135	135	DP+2	2	31°7'18"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'50"	23°16'47.4"	
					ON HOLD	34	34	6499	LT Line				
197	AP-136	136	DP+2	2	36°40'27"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'49"	23°16'48"	
						29	29	6528	LT Line, Metal Road				
198	AP-137	137	DP+2	2	16°28'31"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'48.7"	23°16'48.9"	
						30	30	6558	Village Road, LT Line				
199	AP-138	138	DP+2	2	36°26'9"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'48.6"	23°16'49.8"	
						27	27	6585	Metal Road, LT Line				
200	AP-139	139	DP+2	2	10°24'20"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'48"	23°16'50.5"	
						32	32	6617					
201	AP-140	140	DP+0	0	33°27'40"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'47.5"	23°16'51.4"	
						29	29	6646	Metal Road				
202	AP-141	141	DP+0	0	38°12'26"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'46.6"	23°16'51.9"	
						33	33	6679	Metal Road				

TECHNOFAB ENGINEERING LIMITED TRIPURA

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DETAIL POLE SCHEDULE

203	AP-142	142	DP+0	0	22°40'37"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'45.4"	23°16'51.7"	
						42							
204		LOC-142/1	SP+0	0	hold								
						41	83	6762	Metal Road				
205	AP-143	143	DP+0	0	31°44'50"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'42.6"	23°16'52.3"	
						31	31	6793	Metal Road				
206	AP-144	144	SP+0	0	9°34'56"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'41.8"	23°16'53"	SP WITH ANGLE
						26	26	6819					
207	AP-145	145	SP+0	0	7°32'38"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'41.1"	23°16'53.5"	SP WITH ANGLE
						32	32	6851					
208	AP-146	146	FP+0	0	61°38'41"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'40.1"	23°16'53.9"	
						27	27	6878					
209	AP-147	147	DP+0	0	12°56'20"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'39.3"	23°16'53.4"	
						27							
210		LOC-147/1	SP+0	0									
						27	54	6932	Metal Road				
211	AP-148	148	DP+0	0	52°55'13"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'37.5"	23°16'52.8"	
					hold	34	34	6966	Metal Road				
212	AP-149	149	DP+0	0	35°39'55"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'36.5"	23°16'53.4"	
						39							
213		LOC-149/1	SP+0	0									
						39	78	7044					
214	AP-150	150	SP+0	0						DAKSHIN BHARATCHANDRA NAGAR	91°27'35.4"	23°16'55.7"	SP WITH ANGLE
						45							
215		LOC-150/1	SP+0	0									
						45							
216		LOC-150/2	SP+0	0									
						45	135	7179					
217	AP-151	151	SP+0	0	4°2'11"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'33.1"	23°16'59.6"	SP WITH ANGLE
						26							

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY: TECHNOFAB

Biswajit Singha (AET) (P.G.C.I.L)

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APPROVED BY:

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33 KV BELONIA S/S TO PROPOSED 33 KV CHATTRAMARA S/S

218		LOC-151/1	DP+0	0									USE DP FOR POWER LINE CROSSING
						26	52	7231					
219	**AP-152**	**152**	SP+0	0	09°44'14"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'32.2"	23°17'1"	SP WITH ANGLE
						32	32	7263					
220	**AP-153**	**153**	SP+2	2	07°28'25"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'31.8"	23°17'1.8"	SP WITH ANGLE
						41	41	7304	LT Line+11Kv,Metal Road				
222	**AP-154**	**154**	FP+0	0	108°25'13"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'31.4"	23°17'3.3"	
						26	26	7330					
223	**AP-155**	**155**	DP+0	0	23°42'57"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'32.3"	23°17'3.2"	
						34	34	7364	Metal Road				
224	**AP-156**	**156**	DP+0	0	49°11'18"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'33.4"	23°17'3.6"	
					on hold	31	31	7395	Metal Road				
225	AP-156/A	156/A	DP+0	0	21°33'58"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'33.8"	23°17'4.5"	
						42	42	7437					
226	AP-156/B	156/B	SP+2	2	09°03'28"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'33.8"	23°17'5.9"	
						36	36	7473	2Nos LT Line				
227	**AP-157**	**157**	DP+2	2	23°16'56"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'34"	23°17'7"	
						29	29	7502					
228	**AP-158**	**158**	DP+0	0	14°1'3"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'33.8"	23°17'8"	
						27							
229		LOC-158/1	SP+0	0									
						27	54	7556					
230	**AP-159**	**159**	D/C DP+0	0	0°18'21"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'32.9"	23°17'9.5"	ONLINE (11KV)
					on hold	26	26	7582					
231	**AP-160**	**160**	D/C SP+0	0	0°53'20"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'32.4"	23°17'10.3"	ONLINE (LT Line)
						26			Metal Road				
232		LOC-160/1	SP+0	0									
						28	54	7636					

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOFAB.

PS. PGCIL. Biswajit Singha (AET) (P.G.C.I.L)

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DETAIL POLE SCHEDULE

233	AP-161	161	DP+0	0	16°57'26"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'31.6"	23°17'11.8"	
						27	27	7663					
234	AP-162	162	DP+0	0	13°44'52"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'31.4"	23°17'12.7"	
						30			Village Road				
235		LOC-162/1	SP+0	0									
					on hold	30	60	7723					
236	AP-163	163	DP+0	0	34°33'13"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'31.5"	23°17'14.6"	
						43			Metal Road				
237		LOC-163/1	SP+0	0									
						44	87	7810	Metal Road, Nala				
238	AP-164	164	DP+0	0	14°54'47"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'30"	23°17'17"	
						30							
239		LOC-164/1	SP+0	0									
						30	60	7870					
240	AP-165	165	SP+0	0	7°27'35"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'28.4"	23°17'18.4"	
						45	45	7915					
241	AP-166	166	SP+0	0	1°13'33"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'27.5"	23°17'19.5"	
						35							
242		LOC-166/1	SP+0	0									
						35							
243		LOC-166/2	SP+0	0									
					hold	35	105	8020	Metal Road				
244	AP-167	167	DP+0	0	44°3'33"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'25.1"	23°17'22.2"	
						32							
245		LOC-167/1	SP+0	0									
						30	62	8082					
246	AP-168	168	DP+0	0	25°45'23"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'25.3"	23°17'24.2"	
						43							
247		LOC-168/1	SP+0	0									
						43	86	8168					
248	AP-169	169	DP+0	0	29°33'22"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'24.2"	23°17'26.8"	
						27	27	8195					

TECHNOFAB ENGINEERING LIMITED TRIPURA

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OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33 KV BELONIA S/S TO PROPOSED 33 KV CHATTRAMARA S/S

249	AP-170	170	SP+0	0	4°56'37"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'24.3"	23°17'27.7"	SP WITH ANGLE
						30	30	8225	11KV				
250	AP-171	171	DP+0	0	36°3'39"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'24.5"	23°17'28.6"	
						32	32	8257	Metal Road, Nala				
251	AP-172	172	DP+0	0	48°21'36"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'25.4"	23°17'29.3"	
						35			Village Road				
252		LOC-172/1	SP+0	0									
						35							
253		LOC-172/2	SP+4	4									
						35			LT Line+11Kv				
254		LOC-172/3	SP+4	4									
						34	139	8396					
255	AP-173	173	DP+2	2	11°59'8"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'25.5"	23°17'33.8"	
					On hold	39			3Nos LT Line, Village Road				
256		LOC-173/1	SP+4	4									
						38	77	8473					
257	AP-174	174	SP+0	0	9°0'27"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'24.9"	23°17'36.3"	SP WITH ANGLE
						26			Village Road				
258		LOC-174/1	SP+0	0									
						27	53	8526	Metal Road				
259	AP-175	175	D/C DP+0	0	15°0'29"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'24.3"	23°17'37.9"	ONLINE (11KV)
						27	27	8553					
260	AP-176	176	D/C DP+0	0	20°32'50"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'24.2"	23°17'38.8"	ONLINE (11KV)
						24	24	8577					
261	AP-177	177	DP+0	0	41°24'8"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'23.8"	23°17'39.5"	
						30	30	8607					
262	AP-178	178	D/C SP+0	0	9°51'4"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'22.9"	23°17'39.8"	ONLINE(LT Line)
					On hold	28							
263		LOC-178/1	SP+4	4									
						28	56	8663	Metal Road, 11Kv				

SUBMITTED BY:TECHNOFAB

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APPROVED BY:

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33 KV BELONIA S/S TO PROPOSED 33 KV CHATTRAMARA S/S

264	AP-179	179	DP+2	2	28°16'6"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'20.9"	23°17'40.2"	
					hold	31	31	8694					
265	AP-180	180	DP+0	0	41°53'4"RT						91°27'19.9"	23°17'40"	
						29	29	8723					
266	AP-181	181	DP+0	0	18°8'5"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'19"	23°17'40.4"	
						35							
267		LOC-181/1	SP+4	4									
						35			LT Line				
268		LOC-181/2	SP+4	4									
						34	104	8827					
269	AP-182	182	DP+4	4	29°26'0"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'16.4"	23°17'42.8"	
						28			LT Line				
270		LOC-182/1	SP+4	4									
						29	57	8884					
271	AP-183	183	DP+0	0	35°30'44"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'15.8"	23°17'44.6"	
						29	29	8913	Village Road				
272	AP-184	184	SP+0	0	9°37'39"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'15"	23°17'45.2"	SP WITH ANGLE
						31	31	8944	Metal Road				
273	AP-185	185	SP+2	2	9°51'5"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'14.1"	23°17'45.6"	SP WITH ANGLE
					on hold	33	33	8977	11Kv				
274	AP-186	186	DP+2	2	28°56'1"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'13.2"	23°17'46.3"	
						28							
275		LOC-186/1	SP+0	0									
						27	55	9032	Village Road				
276	AP-187	187	DP+4	4	10°5'59"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'12.4"	23°17'48"	
						26	26	9058	Metall Road, 11Kv+ LT Line, 11Kv				
277	AP-188	188	DP+4	4	20°5'7"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'12.3"	23°17'48.8"	
						28			11Kv, Metal Road				
278		LOC-188/1	LOC DP+4	4									ONLINE (11KV)

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOFAB

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APPROVED BY:

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CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33 KV BELONIA S/S TO PROPOSED 33 KV CHATTRAMARA S/S

						28	56	9114					
279	AP-189	189	DP+4	4	23°38'57"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'11.2"	23°17'50.3"	
						23			LT Line, 11Kv				
280		LOC-189/1	SP+4	4									
						32	55	9169	LT Line				
281	AP-190	190	DP+2	2	31°37'13"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'9.6"	23°17'51.4"	
						30	30	9199					
282	AP-191	191	DP+4	4	15°59'29"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'9.2"	23°17'52.2"	
					on hold	31			Metal Road, 11Kv, LT Line				
283		LOC-191/1	SP+4	4									
						27	58	9257					
284	AP-192	192	SP+4	4	0°4'55"RT					DAKSHIN BHARATCHANDRA NAGAR	91°27'8.9"	23°17'54.1"	SP WITH ANGLE
						27	27	9284	Metal Road, LT Line, 11Kv				
285	AP-193	193	SP+4	4	2°15'24"LT					DAKSHIN BHARATCHANDRA NAGAR	91°27'8.7"	23°17'55"	SP WITH ANGLE
						28							
286		LOC-193/1	SP+0	0									
						28	56	9340					
287	AP-194	194	SP+0	0	8°1'13"LT					ISHAN CHANDRA NAGAR	91°27'8.4"	23°17'56.8"	SP WITH ANGLE
						29	29	9369					
288	AP-195	195	DP+4	4	9°54'12"LT					ISHAN CHANDRA NAGAR	91°27'8.1"	23°17'57.7"	
						33	33	9402	2Nos LT Line, 11Kv, Metal Road				
289	AP-196	196	FP+4	4	73°9'50"RT					ISHAN CHANDRA NAGAR	91°27'7.5"	23°17'58.6"	
					hold	25							
290		LOC-196/1	SP+0	0									
						25	50	9452	Village Road				
291	AP-197	197	DP+2	2	10°30'0"RT					ISHAN CHANDRA NAGAR	91°27'8.8"	23°17'59.8"	
						44			LT Line				
292		LOC-197/1	SP+4	4									
						43	87	9539					
293	AP-198	198	FP+0	0						ISHAN CHANDRA NAGAR	91°27'11.3"	23°18'1.4"	

TECHNOFAB ENGINEERING LIMITED TRIPURA

Hriniyaji
PS.
PGCIL

Biswajit Singha
(AET)
(PGCIL)

एम. एच. चौधरी/M.H. Choudhury
प्रबंधक/Manager
पावरग्रिड/POWERGRID
एन.ई.आर.पी.एस.आई.पी./NERPSIP
बेलोनिया/Belonia.

SUBMITTED BY:TECHNOFAB

APPROVED BY:

POLE SUMMARY DETAILS

TRIPURA STATE ASSOCIATED WITH NER POWER SYSTEM IMPROVEMENT PROJECT (DMS PACKAGE-01)

TRI-DMS-01(3603) CC-CS/86-NER/REW-2984/1/G2/NOA-1/7166 ϕ 7167. DATE:-22.02.2017&7146 Dated 20/01/2017

LINE NAME: PROPOSED 33 KV BELONIA S/S TO PROPOSED 33 KV CHATTRAMARA S/S

TOTAL LINE LENGTH: 9.539 km

S.No.	Type of Pole	Extension	Pole Qty	12 m Pole	14 m Pole	16 m Pole	Remarks
1	SP (GA-01)	0 m	48	48			25nos GA-01 (SP 'O' mtr Ext^n can be approved)
2		2 m	~~7~~ 6		~~7~~ 6		
3		4 m	20			20	
4	SP (GA-02)	0 m	~~18~~ 15	~~18~~ 15			→ 10nos GA-02 (SP 'O' mtr Ext^n can be approved)
5		2 m	5		5		
6		4 m	8			8	
7	DP (GA-03)	0 m	~~53~~ 52	~~106~~ 104			→ 24x2=48 nos GA-03 (DP 'O' mtr Ext^n can be approved)
8		2 m	~~45~~ 44		~~90~~ 88		
9		4 m	~~33~~ 32			~~66~~ 64	
10	FP (GA-04)	0 m	5	20			→ 2x4 = 8nos GA-04 (FP 'O' mtr Ext^n can be approved)
11		2 m	6		24		
12		4 m	3			12	
13	SP (Double Circuit)(GA-05)	0 m	~~2~~ 6	~~2~~ 6			
14		2 m	0		0		
15		4 m	0			0	
16	DP (Double Circuit)(GA-06)	0 m	~~25~~ 26	~~50~~ 52			
17		2 m	~~0~~ 1		~~0~~ 2		
18		4 m	~~8~~ 9			~~16~~ 18	
19	FP (Double Circuit)(GA-07)	0 m	1	4			
20		2 m	1		4		
21		4 m	0			0	
	TOTAL			~~248~~ 249	~~130~~ 129	122	

NOTE: SPECIAL TOWER SUGGESTED ON AP-29 & AP-30 FOR RIVER CROSSING

TECHNOFAB ENGINEERING LIMITED TRIPURA

Hanniyagi
PS
PGCIL

Biswajit Singha
(AET)
(P.G. C.I.L).

एम. एच. चौधरी/M.H. Choudhury
प्रबंधक/Manager
पावरग्रिड/POWERGRID
एन.ई.आर.पी.एस.आई.पी./NERPSIP
बेलोनिया/Belonia.

LINK NAME:PROPOSED 33 KV BELONIA S/S TO PROPOSED 33 KV CHATTRAMARA S/S				
S.No.	Description	Unit	Quantity	Remarks
A	Pole Height			
1	0 m Extension	~~248~~ 249		
2	2 m Extension	~~130~~ 129		
3	4 m Extension	122		
B	Crossings			
1	LT Line Crossing	80		
2	11 kV Crossing	56		
3	33 kV Crossing	6		
4	66 kV Crossing	1		
5	132 kV Crossing	NIL		
6	220 kV Crossing	NIL		
7	400 kV Crossing	NIL		
8	NH Crossing	NIL		
C	River Crossing	1		
D	Nala Crossing	3		
E	Road Crossing			
1	Metalled Road	90		
2	Village	19		
F	Span Violation	1		
G	Angle Violation	2		

Note: We have approved 12 m Pole Drawing (0 m Extension) and we have proposed 14 m Pole (2 m Extension) and 16 m Pole (4 m Extension) for crossings.

TECHNOFAB ENGINEERING LIMITED TRIPURA

Hrinyaji B. PGCIL.

Biswajit Singha (AET) (PGCIL).

एम. एच. चौधरी/M.H. Choudhury
प्रबंधक/Manager
पावरग्रिड/POWERGRID
एन.ई.आर.पी.एस.आई.पी./NERPSIP
Belonia.

OWNER: T.S.E.C.L
CLIENT : P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME: 33KV BELONIATO RAJNAGAR LINE AT BARPATHARI S/S

SL.NO	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	Distance from road	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
1	AP-1	1	FP+0	0							BARPATHARI	91°24'47.7"	23°17'54.2"	
					hold	22	22	22		Vill Road				
2	AP-2	2	DP+0	0	29°36'23"LT						BARPATHARI	91°24'47.3"	23°17'53.7"	
						32	32	54						
3	AP-3	3	SP+0	0	1°53'28"LT						BARPATHARI	91°24'46.8"	23°17'52.7"	SP WITH ANGLE
						33	33	87						
4	AP-4	4	SP+0	0	9°7'10"LT						BARPATHARI	91°24'46.4"	23°17'51.7"	SP WITH ANGLE
						45	45	132						
5	AP-5	5	DP+0	0	28°44'54"RT						BARPATHARI	91°24'46.2"	23°17'50.3"	
						33	33	165						
6	AP-6	6	FP+4	4	61°51'56"LT						BARPATHARI	91°24'45.6"	23°17'49.4"	
					hold	38	38	203		Metal Road, 11Kv, LT Line				
7	AP-7	7	SP+4	4	1°11'18"LT						BARPATHARI	91°24'46.1"	23°17'48.3"	SP WITH ANGLE
						26	26	229						
8	AP-8	8	DP+0	0	22°15'20"RT						BARPATHARI	91°24'46.6"	23°17'47.5"	
						38								
9		LOC-8/1	D/C DP+2	2										ON LINE
						37								
10		LOC-8/2	D/C DP+2	2										ON LINE
						37								
11		LOC-8/3	D/C DP+2	2										ON LINE
						37								
12		LOC-8/4	D/C DP+2	2										ON LINE
					hold	37	186	415						
13	AP-9	9	D/C DP+2	2	8°29'14"LT						BARPATHARI	91°24'47.1"	23°17'41.5"	ON LINE
						27	27	442		Vill Road				
14	AP-10	10	DP+0	0	32°49'55"LT						BARPATHARI	91°24'47.3"	23°17'40.6"	
						28	28	470						
15	AP-11	11	SP+2 0	2	7°35'15"RT						BARPATHARI	91°24'48"	23°17'40"	SP WITH ANGLE
						43				LT Line				
16		LOC-11/1	SP+2 0	2										
						40								
17		LOC-11/2	SP+4 0	4 0						LT Line				
						40								
18		LOC-11/3	SP+0	0										
						40	163	633		LT Line, Metal Road				
19	AP-12	12	DP+0	0	1°18'15"RT						BARPATHARI	91°24'51.6"	23°17'35.9"	Used DP as section pole
						41								
20		LOC-12/1	SP+0	0										
						40								
21		LOC-12/2	SP+0	0	hold									
						40				Vill Road				

critical pole

SUBMITTED BY: Kmish. Hanniyaji P.S. PGCIL.

CHECHED BY: Biswajit Singha Asst. Eng. PGCIL Belonia.

एम. एच. चौधरी/M. H. Choudhury
Manager
पावरग्रिड/POWERGRID
एन.ई.आर.पी.एस.आई.पी/NERPSIP
Belonia

APPROVED BY:

DETAIL POLE SCHEDULE

LINE NAME: 33KV BELONIATO RAINAGAR LINE AT BARPATHARI S/S

SL.NO	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	Sag Span Span with Angle	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
22		LOC 12/3	SP+2	2										
					hold	40	161	794		LT Line				
23	AP-13	13	DP+0	0	19°56'30"RT						BARPATHARI	91°24'55"	23°17'31.7"	
						27	27	821						
24	AP-14	14	DP+0	0	12°13'1"RT						BARPATHARI	91°24'55.3"	23°17'30.8"	
						37	37	858						
25	AP-15	15	SP+0	0	5°59'36"RT						BARPATHARI	91°24'55.4"	23°17'29.6"	SP WITH ANGLE
						37	37	895						
26	AP-16	16	SP+2	2	6°28'50"LT						BARPATHARI	91°24'55.3"	23°17'28.4"	SP WITH ANGLE
					hold	27	27	922		LT Line				
27	AP-17	17	DP+0	0	12°2'23"LT						BARPATHARI	91°24'55.4"	23°17'27.6"	
						40								
28		LOC-17/1	SP+0	0										
						37								
29		LOC-17/2	SP+0	0										
					hold	38				Vill Road				
30		LOC-17/3	SP+0	0										
						40	155	1077						
31	AP-18	18	DP+0	0	8°41'35"LT						BARPATHARI	91°24'57"	23°17'22.8"	used DP as section pole.
						38								
32		LOC-18/1	SP+0	0										
						38								
33		LOC-18/2	SP+0	0										
						40								
34		LOC-18/3	SP+0	0										
						40	156	1233						
35	AP-19	19	SP+2	2	5°20'23"RT						BARPATHARI	91°24'59.4"	23°17'18.2"	SP WITH ANGLE
					hold	27	27	1260		LT Line				
36	AP-20	20	DP+0	0	6°47'59"RT						BARPATHARI	91°24'59.8"	23°17'13.4"	USE DP AS A SECTION POLE
						43				LT Line				
37		LOC-20/1	SP+2	2										
						44								
38		LOC-20/2	SP+0	0										
						43	130	1390						
39	AP-21	21	SP+0	0	3°43'18"LT						BARPATHARI	91°25'0.9"	23°17'11.3"	SP WITH ANGLE
					hold	28	28	1418		Metal Road				
40	AP-22	22	DP+0	0	24°7'11"LT						BARPATHARI	91°25'1.2"	23°17'12.4"	
						37	37	1455						
41	AP-23	23	SP+0	0	0°15'39"LT						BARPATHARI	91°25'2"	23°17'11.5"	SP WITH ANGLE
					hold	45	45	1500						
42	AP-24	24	DP+4	4	2°51'5"RT						BARPATHARI	91°25'3.1"	23°17'10.4"	USE DP FOR POWER LINE CROSSING
43	AP-25	25	FP+4	4	—	44	44	1544		11Kv				

Existing FP to be replaced by (FP+4) for clearance from 11 KV Line.

SUBMITTED BY:

CHECHED BY: HMNingarji (FS. PRCCIL)

Biswajit Bhagat Asst. Engg

APPROVED BY:

Sri H. Choudhury Manager POWERGRID

AGRICULTURE OFFICE

POLE SUMMARY DETAILS

TRIPURA STATE ASSOCIATED WITH NER POWER SYSTEM IMPROVEMENT PROJECT (DMS PACKAGE-02)

CC-CS/86-NER/REW-2985/1/G2/NOA 1&11/7145 &7146 Dated 20/01/2017

LINE NAME:LILO OF EXISTING BELONIA - RAJNAGAR LINE AT BARPATHARI

TOTAL LINE LENGTH: 1.544 km

S.No.	Type of Pole	Extension	Pole Qty	12 m Pole	14 m Pole	16 m Pole	Remarks
1	SP (GA-01)	0 m	~~10~~ 13	~~10~~ 13			6 nos of (GA-01-12+0m) poles can be approved.
2		2 m	~~3~~ 1		~~3~~ 1		
3		4 m	~~1~~ 0			~~1~~ 0	
4	SP (GA-02)	0 m	~~5~~ 7	~~5~~ 7			4 nos of (GA-02-12+0m) poles can be approved.
5		2 m	~~3~~ 1		~~3~~ 1		
6		4 m	1			1	
7	DP (GA-03)	0 m	11	22			4 (4x2=8) nos of (GA-03-12+0m) poles can be approved.
8		2 m	0		0		
9		4 m	1			2	
10	FP (GA-04)	0 m	1	4			
11		2 m	0		0		
12		4 m	1			4	
13	(Double Circuit)GA-	0 m	0	0			
14	05	2 m	0		0		
15		4 m	0			0	
16	(Double Circuit)GA-	0 m	0	0			
17	06	2 m	05		0	10	
18		4 m	~~8~~			~~10~~	
19	(Double Circuit)GA-	0 m	0	0			
20	07	2 m	0		0		
21		4 m	1			4	
	TOTAL			~~41~~ 46	~~6~~ 2	~~22~~ 21	

TECHNOFAB ENGINEERING LIMITED TRIPURA

Rmish

Hmniyagi
PGCIL

Biswajit Singha
Asst. Eng.
(PGCIL), Belonia.

एम. एच. चौधरी/M. H. Choudhury
प्रबंधक, Manager
पावरग्रिड, POWERGRID
एन.ई.आर.पि.एस.आई.पि. NERPSIP
बेलोनिया/Belonia

LINE LINK :- LILO OF EXISTING BELONIA - RAJNAGAR LINE AT BARPATHARI

S.No.	Description	Unit	Quantity	Remarks
A	**Pole Height**			
1	0 m Extension	~~41~~ 46		
2	2 m Extension	~~6~~ 2		
3	4 m Extension	~~22~~ 21		
B	**Crossings**			
1	LT Line Crossing	7+1 = 8		
2	11 kV Crossing	2		
3	33 kV Crossing	NIL		
4	66 kV Crossing	NIL		
5	132 kV Crossing	NIL		
6	220 kV Crossing	NIL		
7	400 kV Crossing	NIL		
8	NH Crossing	NIL		
C	**River Crossing**	NIL		
D	**Nala Crossing**	NIL		
E	**Road Crossing**			
1	Metalled Road	3		
2	Village	4		
F	**Span Violation**			
G	**Angle Violation**			

Note: We have approved 12 m Pole Drawing (0 m Extension) and we have proposed 14 m Pole (2 m Extension) and 16 m Pole (4 m Extension) for crossings.

TECHNOFAB ENGINEERING LIMITED TRIPURA

Hrinniyaji
PS. PECIL.

Biswajit Singha
Asst. Eng.
PECIL, Belonia.

M. H. Choudhury
Manager
POWERGRID
NERPSIP
Belonia

AGRICULTURE OFFICE

OWNER:T.S.E.C.
CLIENT:P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME: 33KV BELONIA TO RAJANAGAR LINE AT PROPOSED BARPATHARI S/S

Checked

SL.NO	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION LENGTH (M)	CUMLTV. LENGTH (M)	Distance from road	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
1	AP-EXT.	EXT.	D/C DP+0	0							SUKANTA NAGAR	91°27'43.6"	23°15'42.5"	ON LINE
					held	42	42	42						
2	AP-1	1	D/C DP+0	0	14°28'13"RT						SUKANTA NAGAR	91°27'42.2"	23°15'42.2"	ON LINE
						40	40	82						
3	AP-2	2	SP+0	0	7°37'23"RT						SUKANTA NAGAR	91°27'40.8"	23°15'42.3"	SP WITH ANGLE
						45	45	127						
4	AP-3	3	SP+0	0	9°55'28"LT						SUKANTA NAGAR	91°27'39.2"	23°15'42.4"	SP WITH ANGLE
						45	45	172						
5	AP-3A	3A	SP+0	0	5°20'51"RT						SUKANTA NAGAR	91°27'37.6"	23°15'42.4"	SP WITH ANGLE
						44	44	216						
6		LOC-3A/1	SP+0	0										
						44								
7		LOC-3A/2	SP+0	0										
						43	87	303		Nala				
8	AP-4	4	D/C DP+2	2	20°30'10"RT						SUKANTA NAGAR	91°27'33"	23°15'42.7"	ON LINE
						43	43	346						
9	AP-5	5	D/C DP+2	2	29°0'29"RT						SUKANTA NAGAR	91°27'31.7"	23°15'43.3"	ON LINE
						42	42	388		Metal Road				
10	AP-5A	5A	D/C DP+2	2	17°11'59"LT						SUKANTA NAGAR	91°27'30.6"	23°15'44.2"	ON LINE
					held	42	42	430						
11	AP-5B	5B	D/C DP+2	2	3°42'54"RT						SUKANTA NAGAR	91°27'29.3"	23°15'44.9"	ON LINE
						44	44	474						
12	AP-6	6	DP+2	2	26°31'7"LT						SUKANTA NAGAR	91°27'28"	23°15'45.6"	
						42	42	516		Metal Road, 2Nos LT Line				
13	AP-7	7	D/C DP+4	4	1°42'39"RT						SUKANTA NAGAR	91°27'26.5"	23°15'45.7"	ON LINE
						42	42	558		LT Line				
14	AP-8	8	D/C DP+4	4	2°28'40"RT						SUKANTA NAGAR	91°27'25"	23°15'45.9"	ON LINE
						43								
15		LOC-8/1	SP+4	4										
						44	87	645						
16	AP-9	9	DP+0	0	22°17'8"RT						SUKANTA NAGAR	91°27'22"	23°15'46.3"	
						44	44	689		Vill Road				
17	AP-10	10	D/C DP+2	2	15°25'45"RT						SUKANTA NAGAR	91°27'20.7"	23°15'47.1"	ON LINE
					held	44	44	733		Metal Road				
18	AP-11	11	SP+~~4~~ 2	4	4°8'14"RT						SUKANTA NAGAR	91°27'19.6"	23°15'48.1"	SP WITH ANGLE
						44	44	777		Metal Road, LT Line+11Kv				
19	AP-12	12	SP+~~4~~ 2	4	4°52'8"LT						SUKANTA NAGAR	91°27'18.6"	23°15'49.2"	SP WITH ANGLE
						39								
20		LOC-12/1	SP+4	4										
						43	82	859		11Kv				

24/11/12

SUBMITTED BY: TECHNOFAB

Biswajit Singha
Asst. Eng
PGCIL Belonia.

1/10

APPROVED BY:

DETAIL POLE SCHEDULE

LINE NAME: 33KV BELONIA TO RAJANAGAR LINE AT PROPOSED BARPATHARI 5/5

	DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	Distance from road	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	GPS CO-ORDINATE(WGS-84) NORTHING	REMARKS
	AP-13	13	DP+4	4	10°34'2"LT						SUKANTA NAGAR	91°27'16.6"	23°15'51.1"	
			hold			44	44	903		Vill Road, LT Line				
22	AP-14	14	SP+2	2	3°49'43"RT						SUKANTA NAGAR	91°27'15.4"	23°15'52"	SP WITH ANGLE
						45	45	948		Vill Road				
23	AP-15	15	SP+0	0	4°13'32"LT						SUKANTA NAGAR	91°27'14.1"	23°15'52.9"	SP WITH ANGLE
						44								
24		LOC-15/1	SP+0	0										
						43	87	1035		Nala				
25	AP-16	16	DP+4	4	12°49'50"LT						SUKANTA NAGAR	91°27'11.6"	23°15'54.5"	
			hold			42	42	1077		Metal Road, LT Line+11Kv				
26	AP-17	17	DP+4	4	14°29'53"RT						SUKANTA NAGAR	91°27'10.3"	23°15'55"	
						44	44	1121						
27	AP-18	18	DP+0	0	14°53'12"RT						SUKANTA NAGAR	91°27'9"	23°15'55.9"	
						43								
28		LOC-18/1	SP+0	0										
						40	83	1204						
29	AP-19	19	DP+4	4	24°39'4"RT						SUKANTA NAGAR	91°27'7.2"	23°15'58"	
			hold			43	43	1247		Vill Road, LT Line+11Kv				
30	AP-19A	19A	SP+4	4	2°18'39"RT						SUKANTA NAGAR	91°27'6.8"	23°15'59.3"	SP WITH ANGLE
						41	41	1288		Metal Road, LT Line+11Kv				
31	AP-20	20	DP+2	2	19°31'41"LT						SUKANTA NAGAR	91°27'6.5"	23°16'0.6"	
						45	45	1333						
32	AP-21	21	SP+0	0	4°34'10"RT						SUKANTA NAGAR	91°27'5.7"	23°16'1.9"	SP WITH ANGLE
						42	42	1375						
33	AP-22	22	SP+~~4~~ 2	4	00°00'01"						SUKANTA NAGAR	91°27'5.1"	23°16'3.1"	SP WITH ANGLE
			hold			45	45	1420		Metal Road, LT Line+11Kv				
34	AP-23	23	SP+~~4~~ 2	4	2°37'12"LT						SUKANTA NAGAR	91°27'4.4"	23°16'4.4"	SP WITH ANGLE
						45	45	1465		Metal Road, LT Line+11Kv, 2Nos LT Line				
35	AP-24	24	DP+2	2	17°56'13"LT						SUKANTA NAGAR	91°27'3.6"	23°16'5.7"	
						45	45	1510		Vill Road				
36	AP-25	25	SP+0	0	7°13'48"LT						SUKANTA NAGAR	91°27'2.4"	23°16'6.7"	SP WITH ANGLE
						45	45	1555		Metal Road				
37	AP-26	26	DP+0	0	12°23'35"RT						ISHAN CHANDRA NAGAR	91°27'1.1"	23°16'7.5"	
			hold			37	37	1592		Metal Road				
38	AP-27	27	DP+4	2	35°35'27"LT						ISHAN CHANDRA NAGAR	91°27'0.3"	23°16'8.4"	
						35	35	1627		2Nos LT Line+11Kv				
39	AP-28	28	DP+4	4	46°53'27"LT						ISHAN CHANDRA NAGAR	91°26'59.1"	23°16'8.7"	
						45	45	1672						
40	AP-29	29	SP+0	0	6°58'55"RT						ISHAN CHANDRA NAGAR	91°26'57.8"	23°16'7.9"	SP WITH ANGLE
						45	45	1717						

SUBMITTED BY:TECHNOFAB.

Biswajit Singha Asst Eng. PGCIL Belonia

2/10

APPROVED BY:

	DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	Distance from road	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
	AP-30	30	DP+2	2	12°10'36"LT						ISHAN CHANDRA NAGAR	91°26'56.4"	23°16'7.2"	
						42	42	1759		Metal Road, 11Kv				
42	AP-31	31	DP+2	2	23°35'2"RT						ISHAN CHANDRA NAGAR	91°26'55.2"	23°16'6.3"	
						42	42	1801						
43	AP-32	32	DP+4	4	26°19'53"LT						ISHAN CHANDRA NAGAR	91°26'53.8"	23°16'5.9"	
						42	42	1843		Metal Road, 11Kv				
44	AP-33	33	DP+4	4	22°11'12"LT						ISHAN CHANDRA NAGAR	91°26'52.7"	23°16'5"	
						45	45	1888		11Kv				
45	AP-34	34	DP+4	4	16°0'19"RT						ISHAN CHANDRA NAGAR	91°26'52"	23°16'3.7"	
						45	45	1933		11Kv, Metal Road				
46	AP-35	35	D/C DP+4	4	41°21'27"RT						ISHAN CHANDRA NAGAR	91°26'51"	23°16'2.6"	ON LINE
						42	42	1975						
47	AP-36	36	D/C DP+4	4	38°20'5"RT						ISHAN CHANDRA NAGAR	91°26'49.5"	23°16'2.4"	ON LINE
						42	42	2017		Metal Road, 11Kv				
48	AP-37	37	DP+2	2	20°9'20"RT						ISHAN CHANDRA NAGAR	91°26'48.3"	23°16'3.1"	
					held	45	45	2062		LT Line, Nala				
49	AP-38	38	DP+2	2	17°45'42"LT						ISHAN CHANDRA NAGAR	91°26'47.3"	23°16'4.3"	
						41	41	2103		Vill Road				
50	AP-39	39	DP+0	0	24°48'55"LT						ISHAN CHANDRA NAGAR	91°26'46.1"	23°16'5"	
						41	41	2144		Vill Road				
51	AP-40	40	DP+0	0	11°22'26"RT						ISHAN CHANDRA NAGAR	91°26'44.6"	23°16'5.2"	
						45	45	2189		Vill Road				
52	AP-41	41	DP+4	4	58°51'28"LT						ISHAN CHANDRA NAGAR	91°26'43.1"	23°16'5.7"	
						42	42	2231		Metal Road, 11Kv				
53	AP-42	42	DP+4	4	11°16'37"RT						ISHAN CHANDRA NAGAR	91°26'42"	23°16'4.9"	
						37	37	2268						
54	AP-43	43	SP+4	4	4°5'25"LT						ISHAN CHANDRA NAGAR	91°26'40.8"	23°16'4.3"	SP WITH ANGLE
						45	45	2313		11Kv, Metal Road				
55	AP-44	44	SP+4	4	6°18'51"RT						ISHAN CHANDRA NAGAR	91°26'39.5"	23°16'3.6"	SP WITH ANGLE
						40	40	2353						
56	AP-45	45	DP+0	0	11°34'35"RT						ISHAN CHANDRA NAGAR	91°26'38.2"	23°16'3"	
						38	38	2391						
57	AP-46	46	SP+0	0	2°32'38"RT						ISHAN CHANDRA NAGAR	91°26'36.9"	23°16'2.7"	SP WITH ANGLE
						34	34	2425						
58	AP-47	47	DP+4	4	36°40'54"RT						ISHAN CHANDRA NAGAR	91°26'35.7"	23°16'2.5"	
					held	37	37	2462		Metal Road, 11Kv, LT Line				
59	AP-48	48	DP+4	4	26°41'55"RT						ISHAN CHANDRA NAGAR	91°26'34.6"	23°16'3"	
						45	45	2507		LT Line				
60	AP-49	49	SP+2	2	7°44'45"LT						ISHAN CHANDRA NAGAR	91°26'33.6"	23°16'4.2"	SP WITH ANGLE
						38	38	2545						

SUBMITTED BY: TECHNOFAB

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24/11/17

APPROVED BY:

DETAIL POLE SCHEDULE

LINE NAME: 33KV BELONIA TO RAJANAGAR LINE AT PROPOSED BARPATHARI S/S

	DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	Distance from road.	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
	AP-50	50	SP+0	0	6°22'19"LT						ISHAN CHANDRA NAGAR	91°26'32.6"	23°16'5"	SP WITH ANGLE
						36	36	2581						
62	AP-51	51	DP+4	4	23°36'35"LT						ISHAN CHANDRA NAGAR	91°26'31.6"	23°16'5.8"	
						36	36	2617		2Nos 11Kv, LT Line				
63	AP-52	52	DP+4	4	14°55'44"RT						ISHAN CHANDRA NAGAR	91°26'30.4"	23°16'6.1"	
					hold	42	42	2659		Metal Road				
64	AP-53	53	DP+0	0	56°33'18"LT						ISHAN CHANDRA NAGAR	91°26'29.1"	23°16'6.7"	
						42	42	2701		Metal Road				
65	AP-54	54	SP+0	0	0°40'17"LT						ISHAN CHANDRA NAGAR	91°26'27.8"	23°16'6.1"	SP WITH ANGLE
						44	44	2745		Metal Road, 11 KV crossing				
66	AP-55	55	SP+0	0	7°29'26"LT						ISHAN CHANDRA NAGAR	91°26'26.5"	23°16'5.4"	SP WITH ANGLE
						45	45	2790						
67	AP-56	56	DP+0	0	15°9'12"RT						ISHAN CHANDRA NAGAR	91°26'25.2"	23°16'4.6"	
						42	42	2832						
68	AP-57	57	SP+0	0	0°8'23"RT						ISHAN CHANDRA NAGAR	91°26'23.8"	23°16'4.1"	SP WITH ANGLE
						42	42	2874						
69	AP-58	58	DP+2	2	14°0'41"RT						ISHAN CHANDRA NAGAR	91°26'22.4"	23°16'3.7"	
						41	41	2915		LT Line				
70	AP-59	59	DP+2	2	26°0'33"RT						ISHAN CHANDRA NAGAR	91°26'20.9"	23°16'3.5"	
						45	45	2960						
71	AP-60	60	DP+4	4	32°19'5"LT						ISHAN CHANDRA NAGAR	91°26'19.5"	23°16'4"	
						45	45	3005		LT Line, 11Kv				
72	AP-61	61	DP+4	4	16°17'47"LT						ISHAN CHANDRA NAGAR	91°26'17.9"	23°16'3.7"	
						45	45	3050		Metal Road				
73	AP-62	62	DP+2	2	35°40'37"RT						ISHAN CHANDRA NAGAR	91°26'16.5"	23°16'3"	
					hold	44	44	3094		Vill Road, Metal Road, 2Nos LT Line				
74	AP-63	63	SP+2	2	6°36'13"LT						ISHAN CHANDRA NAGAR	91°26'15"	23°16'3.2"	SP WITH ANGLE
						45	45	3139		Vill Road				
75	AP-64	64	SP+2	2	7°54'47"LT						ISHAN CHANDRA NAGAR	91°26'13.4"	23°16'3.2"	SP WITH ANGLE
						45	45	3184		LT Line, Metal Road				
76	AP-65	65	DP+2	2	17°15'43"RT						ISHAN CHANDRA NAGAR	91°26'11.8"	23°16'3"	
						42	42	3226		Vill Road, LT Line				
77	AP-66	66	SP+2	2	2°9'22"LT						ISHAN CHANDRA NAGAR	91°26'10.4"	23°16'3.3"	SP WITH ANGLE
						42	42	3268						
78	AP-67	67	DP+0	0	20°28'23"LT						ISHAN CHANDRA NAGAR	91°26'8.9"	23°16'3.4"	
						45	45	3313						
79	AP-68	68	D/C DP+2	2	7°29'31"RT						ISHAN CHANDRA NAGAR	91°26'7.4"	23°16'3.1"	ON LINE
					hold	42	42	3355		Metal Road				
80	AP-69	69	SP+0	0	5°15'53"RT						ISHAN CHANDRA NAGAR	91°26'5.9"	23°16'3"	SP WITH ANGLE
						42	42	3397		Vill Road				

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Belonia

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DETAIL POLE SCHEDULE

LINE NAME: 33KV BELONIA TO RAJANAGAR LINE AT PROPOSED BARPATHARI S/S

	DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	Distance from road.	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	GPS CO-ORDINATE(WGS-84) NORTHING	REMARKS
[illegible]	AP-70	70	DP+0	0	12°7'40"LT						ISHAN CHANDRA NAGAR	91°26'4.4"	23°16'3"	
						45	45	3442						
82	AP-71	71	SP+0	0	8°4'11"RT						ISHAN CHANDRA NAGAR	91°26'2.9"	23°16'2.7"	SP WITH ANGLE
					held	40	40	3482		Metal Road				
83	AP-72	72	SP+2	2	2°39'13"RT						ISHAN CHANDRA NAGAR	91°26'1.5"	23°16'2.6"	SP WITH ANGLE
						45				LT Line				
84		LOC-72/1	SP+2	2										
						45								
85		LOC-72/2	SP+0	0										
						45								
86		LOC-72/3	DP+0	0										USE DP AS A SECTION POLE
						45								
87		LOC-72/4	SP+0	0										
						41	221	3703						
88	AP-73	73	SP+0	0	1°46'26"RT						ISHAN CHANDRA NAGAR	91°25'53.7"	23°16'2.4"	SP WITH ANGLE
						32	32	3735						
89	AP-74	74	SP+0	0	4°4'43"LT						ISHAN CHANDRA NAGAR	91°25'52.6"	23°16'2.4"	SP WITH ANGLE
						45	45	3780		Nala				
90	AP-75	75	DP+0	0	14°5'48"RT						ISHAN CHANDRA NAGAR	91°25'51"	23°16'2.3"	
						45	45	3825						
91	AP-76	76	DP+0	0	15°53'8"RT						ISHAN CHANDRA NAGAR	91°25'49.4"	23°16'2.6"	
						45	45	3870						
92	AP-77	77	SP+0	0	9°48'16"RT						ISHAN CHANDRA NAGAR	91°25'48"	23°16'3.2"	SP WITH ANGLE
					held	45				Vill Road				
93		LOC-77/1	SP+0	0										
						45								
94		LOC-77/2	SP+0	0										
						45								
95		LOC-77/3	SP+0	0										
						45								
96		LOC-77/4	DP+0	0										USE DP AS A SECTION POLE
						45	225	4095						
97	AP-78	78	SP+0	0	3°21'14"RT						ISHAN CHANDRA NAGAR	91°25'41.6"	23°16'7.5"	SP WITH ANGLE
						45								
98		LOC-78/1	SP+0	0										
						45	90	4185						
99	AP-79	79	SP+0	0	3°37'38"LT						ISHAN CHANDRA NAGAR	91°25'39.2"	23°16'9.4"	SP WITH ANGLE
						40	40	4225						
100	AP-80	80	SP+0	0	2°38'40"LT						ISHAN CHANDRA NAGAR	91°25'38"	23°16'10.1"	SP WITH ANGLE
						41	41	4266						

SUBMITTED BY: TECHNOFAB.

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APPROVED BY:

DETAIL POLE SCHEDULE

LINE NAME: 33KV BELONIA TO RAJANAGAR LINE AT PROPOSED BARPATHARI S/S

	DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	Distance from road	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
	AP-81	81	DP+4	4	45°12'56"LT						LAXMI PUR	91°25'36.8"	23°16'10.9"	
			held			45	45	4311		33Kv, Metal Road				
102	AP-82	82	DP+4	4	20°31'8"RT						LAXMI PUR	91°25'35.3"	23°16'10.6"	
						44	44	4355						
103	AP-83	83	SP+0	0	1°50'34"LT						LAXMI PUR	91°25'33.7"	23°16'10.8"	SP WITH ANGLE
						45	45	4400						
104	AP-84	84	DP+4	4	21°8'54"RT						LAXMI PUR	91°25'32.2"	23°16'10.9"	
			held			42	42	4442		33Kv, Metal Road				
105	AP-85	85	DP+4	4	12°20'32"RT						LAXMI PUR	91°25'30.8"	23°16'11.6"	
						43	43	4485						
106	AP-86	86	SP+0	0	1°53'34"RT						LAXMI PUR	91°25'29.7"	23°16'12.5"	SP WITH ANGLE
						45	45	4530						
107	AP-87	87	SP+0	0	1°50'41"RT						LAXMI PUR	91°25'28.5"	23°16'13.4"	SP WITH ANGLE
						45	45	4575						
108	AP-88	88	SP+0	0	5°0'53"RT						LAXMI PUR	91°25'27.4"	23°16'14.5"	SP WITH ANGLE
						35	35	4610						
109	AP-89	89	SP+4	4	5°25'54"RT						LAXMI PUR	91°25'26.6"	23°16'15.3"	SP WITH ANGLE
						42	42	4652		11Kv, Vill Road, Metal Road				
110	AP-90	90	DP+4	4	27°20'18"LT						LAXMI PUR	91°25'25.7"	23°16'16.4"	
						44	44	4696		LT Line, 11Kv, Metal Road				
111	AP-91	91	DP+4	4	32°35'26"RT						LAXMI PUR	91°25'24.3"	23°16'17.1"	
						44	44	4740		Vill Road				
112	AP-92	92	SP+2	2	1°10'38"LT						LAXMI PUR	91°25'23.5"	23°16'18.3"	SP WITH ANGLE
						44	44	4784		LT Line				
113	AP-93	93	SP+4	4	9°24'59"RT						LAXMI PUR	91°25'22.7"	23°16'19.5"	SP WITH ANGLE
			hold			44	44	4828		Metal Road, LT Line+11Kv				
114	AP-94	94	DP+4	4	20°31'2"LT						LAXMI PUR	91°25'22.1"	23°16'20.8"	
						45	45	4873						
115	AP-95	95	SP+2	2	2°2'30"LT						LAXMI PUR	91°25'21.1"	23°16'21.9"	SP WITH ANGLE
						45	45	4918		LT Line				
116	AP-96	96	SP+2	2	1°12'15"RT						LAXMI PUR	91°25'19.9"	23°16'23"	SP WITH ANGLE
						45	45	4963		LT Line				
117	AP-97	97	SP+4	4	0°23'44"LT						LAXMI PUR	91°25'18.8"	23°16'24"	SP WITH ANGLE
						38	38	5001		11Kv, Metal Road				
118	AP-98	98	DP+4	4	26°2'17"RT						LAXMI PUR	91°25'17.9"	23°16'24.9"	
						44	44	5045						
119	AP-99	99	SP+0	0	8°6'32"RT						LAXMI PUR	91°25'17.4"	23°16'26.2"	SP WITH ANGLE
						44	44	5089						
120	AP-100	100	DP+0	0	16°1'36"LT						LAXMI PUR	91°25'17.2"	23°16'27.7"	
						44	44	5133						

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DETAIL POLE SCHEDULE

LINE NAME: 33KV BELONIA TO RAJANAGAR LINE AT PROPOSED BARPATHARI S/S

SL. NO.	SURVEY DETAILS	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUM.LTV. LENGTH (M)	Distance from road.	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
	AP-101	101	SP+2	2	2°15'34"RT									
						45	45	5178		LT Line, Vill Road	LAXMI PUR	91°25'16.5"	23°16'28.9"	SP WITH ANGLE
122	AP-102	102	SP+4	4	3°32'26"RT									
						44	44	5222		Vill Road, LT Line, LT line+11Kv, 11Kv	LAXMI PUR	91°25'15.9"	23°16'30.3"	SP WITH ANGLE
123	AP-103	103	SP+4	4	5°13'17"RT									
						44	44	5266		LT Line+11Kv	LAXMI PUR	91°25'15.3"	23°16'31.6"	SP WITH ANGLE
124	AP-104	104	SP+4	4	6°30'51"LT									
					hold	44	44	5310			LAXMI PUR	91°25'14.9"	23°16'33"	SP WITH ANGLE
125	AP-105	105	SP+4	4	2°9'4"LT									
						44	44	5354		LT Line+11Kv	LAXMI PUR	91°25'14.4"	23°16'34.3"	SP WITH ANGLE
126	AP-106	106	DP+4	4	34°22'7"RT									
						42	42	5396		LT Line+11Kv, Metal Road	LAXMI PUR	91°25'13.8"	23°16'35.7"	
127	AP-107	107	DP+2	2	19°59'24"LT									
						42	42	5438		LT Line, Metal Road, 11Kv	LAXMI PUR	91°25'14"	23°16'37"	
128	AP-108	108	DP+2	2	13°56'6"RT									
						44	44	5482			BARPATHARI	91°25'13.8"	23°16'38.3"	
129	AP-109	109	SP+0	0	4°7'43"LT									
						34	34	5516			BARPATHARI	91°25'13.9"	23°16'39.8"	SP WITH ANGLE
130	AP-110	110	SP+4	4	4°9'6"RT									
					hold	44	44	5560			BARPATHARI	91°25'13.9"	23°16'40.9"	SP WITH ANGLE
131	AP-111	111	SP+4	4	1°4'39"RT									
						44	44	5604			BARPATHARI	91°25'14.1"	23°16'42.3"	SP WITH ANGLE
132	AP-112	112	DP+0	0	9°2'7"LT									
						45	45	5649			BARPATHARI	91°25'14.2"	23°16'43.7"	
133	AP-113	113	SP+2	2	0°46'55"LT									
						44	44	5693		LT Line	BARPATHARI	91°25'14.1"	23°16'45.2"	SP WITH ANGLE
134	AP-114	114	SP+2	2	4°36'32"LT									
						44	44	5737		Vill Road	BARPATHARI	91°25'14"	23°16'46.6"	SP WITH ANGLE
135	AP-115	115	DP+0	0	18°50'43"RT									
					hold	44	44	5781		Vill Road	BARPATHARI	91°25'13.8"	23°16'48"	
136	AP-116	116	SP+2	2	8°32'13"LT									
						44	44	5825		LT Line	BARPATHARI	91°25'14.1"	23°16'49.4"	SP WITH ANGLE
137	AP-117	117	DP+2	2	10°32'14"LT									
						45	45	5870			BARPATHARI	91°25'14.1"	23°16'50.9"	
138	AP-118	118	SP+0	0	5°43'45"RT									
						44	44	5914			BARPATHARI	91°25'13.9"	23°16'52.3"	SP WITH ANGLE
139	AP-119	119	SP+0	0	3°59'29"LT									
					hold	44	44	5958			BARPATHARI	91°25'13.8"	23°16'53.7"	SP WITH ANGLE
140	AP-120	120	SP+2	2	1°13'20"LT									
						45	45	6003		LT Line	BARPATHARI	91°25'13.6"	23°16'55.2"	SP WITH ANGLE

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APPROVED BY:

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DETAIL POLE SCHEDULE

LINE NAME: 33KV BELONIA TO RAJANAGAR LINE AT PROPOSED BARPATHARI S/S

	DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	Distance from road.	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
	AP-121	121	DP+2	2	2°19'9"LT									
			hold			42	42	6045			BARPATHARI	91°25'13.4"	23°16'56.6"	
142	AP-122	122	SP+0	0	0°47'21"LT									
						42	42	6087			BARPATHARI	91°25'13.1"	23°16'57.9"	SP WITH ANGLE
143	AP-123	123	D/C DP+0	0	4°34'55"LT									
			hold			36	36	6123			BARPATHARI	91°25'12.8"	23°16'59.1"	ON LINE LT
144	AP-124	124	DP+0	0	14°57'52"LT									
						45	45	6168			BARPATHARI	91°25'12.5"	23°17'0.4"	
145	AP-125	125	SP+2	2	2°43'3"LT									
			hold			45	45	6213		Vill Road, LT Line	BARPATHARI	91°25'11.7"	23°17'1.6"	SP WITH ANGLE
146	AP-126	126	DP+4	4	38°32'46"RT									
						45	45	6258		Metal Road, 11Kv	BARPATHARI	91°25'10.8"	23°17'2.9"	
147	AP-127	127	SP+4	4	3°26'15"LT									
						45	45	6303			BARPATHARI	91°25'10.9"	23°17'4.3"	SP WITH ANGLE
148	AP-128	128	DP+0	0	10°24'39"LT									
						39	39	6342			BARPATHARI	91°25'11"	23°17'5.8"	
149	AP-129	129	DP+0	0	58°12'14"LT									
						44	44	6386			BARPATHARI	91°25'10.7"	23°17'7"	
150	AP-130	130	DP+4	4	27°36'13"LT									
			hold			38	38	6424		Metal Road, 11Kv	BARPATHARI	91°25'9.3"	23°17'7.6"	
151	AP-131	131	DP+4	4	24°15'45"RT									
						44	44	6468		Nala	BARPATHARI	91°25'8"	23°17'7.5"	
152	AP-132	132	DP+0	0	23°37'11"RT									
						41	41	6509		Metal Road	BARPATHARI	91°25'6.5"	23°17'8"	
153	AP-133	133	SP+4	4	2°8'25"RT									
			hold			45				11Kv	BARPATHARI	91°25'5.5"	23°17'8.9"	SP WITH ANGLE
154		LOC-133/1	SP+4	4										
						42								
155		LOC-133/2	SP+0	0										
						40	127	6636						
156	AP-134	134	SP+0	0	8°25'37"RT									
						45	45	6681			BARPATHARI	91°25'2.3"	23°17'11.8"	SP WITH ANGLE
157	AP-135	135	DP+0	0	20°47'40"RT									
						45	45	6726			BARPATHARI	91°25'1.4"	23°17'13"	
158	AP-136	136	SP+0	0	6°31'36"RT									
						42	42	6768			BARPATHARI	91°25'1"	23°17'14.4"	SP WITH ANGLE
159	AP-137	137	DP+0	0	11°4'33"LT									
			hold			44					BARPATHARI	91°25'0.3"	23°17'15.8"	
160		LOC-137/1	SP+2	2										
						45*	89	6857		LT Line				

SUBMITTED BY: TECHNOFAB

Hanniyan R. PCCL

Biswajit Gupta Asst. Eng. PCCL Belonia 8/10

APPROVED BY:

Executive Engineer Belonia

DETAIL POLE SCHEDULE

LINE NAME: 33KV BELONIA TO RAJANAGAR LINE AT PROPOSED BARPATHARI S/S

	DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	Distance from road	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
[illegible]	AP-138	138	SP+2	2	1°44'53"LT						BARPATHARI	91°24'59.7"	23°17'18.5"	SP WITH ANGLE
					hold	45	45	6902						
162	AP-139	139	SP+0	0	4°47'37"LT						BARPATHARI	91°24'59.1"	23°17'19.8"	SP WITH ANGLE
						45	45	6947						
163	AP-140	140	SP+0	0	0°44'20"LT						BARPATHARI	91°24'58.4"	23°17'21.1"	SP WITH ANGLE
						45	45	6992						
164	AP-141	141	SP+0	0	4°3'3"RT						BARPATHARI	91°24'57.6"	23°17'22.4"	SP WITH ANGLE
						45	45	7037						
165	AP-142	142	SP+0	0	6°10'52"RT						BARPATHARI	91°24'57"	23°17'23.8"	SP WITH ANGLE
						45	45	7082						
166	AP-143	143	SP+0	0	0°28'49"RT						BARPATHARI	91°24'56.5"	23°17'25.2"	SP WITH ANGLE
						45	45	7127						
167	AP-144	144	SP+0	0	4°7'56"RT						BARPATHARI	91°24'56.1"	23°17'26.6"	SP WITH ANGLE
						40	40	7167						
168	AP-145	145	DP+2	2	14°26'5"RT						BARPATHARI	91°24'55.8"	23°17'27.8"	
						45	45	7212		LT Line				
169	AP-146	146	DP+2	2	12°17'47"LT						BARPATHARI	91°24'55.8"	23°17'29.3"	
					hold	44	44	7256						
170	AP-147	147	SP+0	0	1°3'13"RT						BARPATHARI	91°24'55.6"	23°17'30.7"	SP WITH ANGLE
						39	39	7295		Vill Road				
171	AP-148	148	DP+0	0	33°0'33"LT						BARPATHARI	91°24'55.3"	23°17'32"	
						45	45	7340		LT Line				
172	AP-149	149	SP+0	0	6°15'31"RT						BARPATHARI	91°24'54.3"	23°17'33.1"	SP WITH ANGLE
						45								
173		LOC-149/1	SP+0	0										
						45								
174		LOC-149/2	SP+0	0										
						45	135	7475						
175	AP-150	150	DP+0	0	0°48'14"LT						BARPATHARI	91°24'51.5"	23°17'36.6"	
						45	45	7520		LT Line				
176	AP-151	151	SP+2	2	4°33'10"LT						BARPATHARI	91°24'50.5"	23°17'37.8"	SP WITH ANGLE
					hold	45	45	7565		LT Line				
177	AP-152	152	SP+2	2	3°27'22"RT						BARPATHARI	91°24'49.5"	23°17'38.9"	SP WITH ANGLE
						42	42	7607		LT Line				
178	AP-153	153	SP+2	2	2°15'20"LT						BARPATHARI	91°24'48.6"	23°17'39.9"	SP WITH ANGLE
						38	38	7645						
179	AP-154	154	DP+0	0	17°56'6"RT						BARPATHARI	91°24'47.7"	23°17'40.9"	
						32	32	7677						
180	AP-155	155	DP+0	0	23°21'46"RT						BARPATHARI	91°24'47.3"	23°17'41.8"	
						36	36	7713						

critical crossing

SUBMITTED BY: TECHNOFAB.

Himanyagi
TB.
PGCIL

Biswajit Singha
Asst. Eng.
PGCIL Belonia

9/10

24/11/12

APPROVED BY:

TECHNOFAB ENGINEERING LIMITED TRIPURA

पावरग्रिड, POWERGRID
एन.ई.आर.पि.एस. आई.पि. NERPSIP
बेलनिया/Belonia

DETAIL POLE SCHEDULE

LINE NAME: 33KV BELONIA TO RAJANAGAR LINE AT PROPOSED BARPATHARI S/S

	DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	Distance From road.	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	GPS CO-ORDINATE(WGS-84) NORTHING	REMARKS
	AP-156	156	SP+0	0	7°31'20"LT						BARPATHARI	91°24'47.3"	23°17'43"	SP WITH ANGLE
						40	40	7753						
182	AP-157	157	SP+0	0	7°11'43"RT						BARPATHARI	91°24'47.2"	23°17'44.3"	SP WITH ANGLE
						45	45	7798						
183	AP-158	158	DP+0	0	10°35'25"LT						BARPATHARI	91°24'47.2"	23°17'45.8"	
						44	44	7842		Metal Road, LT Line				
184	AP-159	159	SP+2	2	7°49'43"RT						BARPATHARI	91°24'46.9"	23°17'47.2"	SP WITH ANGLE
					hold	25	25	7867						
185	AP-160	160	DP+4	4	35°0'41"LT						BARPATHARI	91°24'46.9"	23°17'48"	
						26	26	7893		11 KV				
186	AP-161	161	FP+4	4	94°43'50"RT					angle violation	BARPATHARI	91°24'46.3"	23°17'48.7"	
						26	26	7919						
187	AP-162	162	DP+0	0	31°34'50"LT						BARPATHARI	91°24'47.1"	23°17'49.1"	
						29	29	7948						
188	AP-163	163	SP+0	0	6°26'21"LT						BARPATHARI	91°24'47.6"	23°17'50"	SP WITH ANGLE
					hold	44	44	7992		Pond				
189	AP-164	164	DP+0	0	13°38'29"LT						BARPATHARI	91°24'48.1"	23°17'51.3"	
						29	29	8021						
190	AP-165	165	SP+0	0	1°55'12"RT						BARPATHARI	91°24'48.2"	23°17'52.2"	SP WITH ANGLE
						36	36	8057						
191	AP-166	166	DP+0	0	38°36'20"LT						BARPATHARI	91°24'48.4"	23°17'53.4"	
					hold	26	26	8083		Vill Road				
192	AP-167	167	FP+0	0							BARPATH&RI	91°24'47.9"	23°17'54.1"	

24/11/17

एम. एन. चौधरी / M. N. Chaudhury
प्रबंधक, Manager
पावरग्रिड/POWERGRID
[illegible] पि एम. आई. पी. NERPSIP
[illegible]/Belonia

Himanjagi
T.S.
PGCIL

Biswajit Singha
Asst. Eng
(PGCIL), Belonia.

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY: TECHNOFAB

APPROVED BY:

POLE SUMMARY DETAILS

TRIPURA STATE ASSOCIATED WITH NER POWER SYSTEM IMPROVEMENT PROJECT (DMS PACKAGE-02)

CC-CS/86-NER/REW-2985/1/G2/NOA 1&11/7145 &7146 Dated 20/01/2017

LINE NAME:LILO OF EXISTING BELONIA - RAJNAGAR LINE AT BARPATHARI

TOTAL LINE LENGTH: 8.083 km

S.No.	Type of Pole	Extension	Pole Qty	12 m Pole	14 m Pole	16 m Pole	Remarks
1	SP (GA-01)	0 m	13	13			12 nos of (GA-01-12+0m) poles can be approved.
2		2 m	3 ~~2~~		3 ~~2~~		
3		4 m	2 ~~2~~ ~~3~~			2	
4	SP (GA-02)	0 m	50 ~~43~~	50 ~~43~~			35 nos of (GA-02-12+0m) poles can be approved
5		2 m	20		20		
6		4 m	12 ~~19~~			12 ~~19~~	
7	DP (GA-03)	0 m	30 ~~32~~ ~~31~~	~~64~~ 60			19 (19X2=38) nos of (GA-03-+12+0m) poles can be approved.
8		2 m	18		36		
9		4 m	30 ~~29~~			~~58~~ 60	
10	FP (GA-04)	0 m	1	4			
11		2 m	0		0		
12		4 m	1			4	
13	SP (Double Circuit)GA-05	0 m	0	0			
14		2 m	0		0		
15		4 m	0			0	
16	DP (Double Circuit)GA-06	0 m	3	6			
17		2 m	6		12		
18		4 m	4			8	
19	FP (Double Circuit)GA-07	0 m	0	0			
20		2 m	0		0		
21		4 m	0			0	
	TOTAL			~~130~~	~~70~~	~~91~~	

Note: We have approved 12 m Pole Drawing (0 m Extension) and we have proposed 14 m Pole (2 m Extension) and 16 m Pole (4 m Extension) for crossings.

133 71 86

24/11/12

TECHNOFAB ENGINEERING LIMITED TRIPURA

Biswajit Singha Asst. Eng PGCIL Belonia.

LINE LINK :- LILO OF EXISTING BELONIA - RAJNAGAR LINE AT BARPATHARI

No.	Description	Unit	Quantity	Remarks
A	**Pole Height**			
1	0 m Extension	~~130~~ 133		
2	2 m Extension	~~70~~ 71		
3	4 m Extension	~~81~~ 86		
B	Crossings			
1	LT Line Crossing	47		
2	11 kV Crossing	~~32~~ 33		
3	33 kV Crossing	2		
4	66 kV Crossing	NIL		
5	132 kV Crossing	NIL		
6	220 kV Crossing	NIL		
7	400 kV Crossing	NIL		
8	NH Crossing	NIL		
C	**River Crossing**	NIL		
D	**Nala Crossing**	5		
E	**Road Crossing**			
1	Metalled Road	37		
2	Village	22		
F	**Span Violation**			
G	**Angle Violation**	1		

Note: We have approved 12 m Pole Drawing (0 m Extension) and we have proposed 14 m Pole (2 m Extension) and 16 m Pole (4 m Extension) for crossings.

TECHNOFAB ENGINEERING LIMITED TRIPURA

Himayagi
T.S. PGCIL

Biswajit Singha
Asst. Eng.
PGCIL. Belonia

24/11/12
वा.सचिव/PORTFORD
एन.ई.आर पि एस आई पि NERPSIP
बेलोनिया/Belonia

OWNER-T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	GPS CO-ORDINATE(WGS-84) NORTHING	REMARKS
1	1	AP-1	1	FP+0	0						RAJNAGAR	91°23'5.6"	23°13'57"	
							26	26	26	LT LINE				
2	2	AP-2	2	DP+4	4	36°8'39"RT					RAJNAGAR	91°23'5.9"	23°13'56.2"	
						hold	26	26	52	VILL ROAD				
3	3	AP-3	3	D/C DP+2	2	28°19'53"RT					RAJNAGAR	91°23'5.6"	23°13'55.4"	ON LINE 11KV
							26							
4			LOC 3/1	D/C DP+2	2									ON LINE 11KV
							26	52	104					
5		AP-4	4	DP+0	0	28°0'27"RT					RAJNAGAR	91°23'4.3"	23°13'54.2"	
							26							
6	6		LOC-4/1	SP+0	0									
							26	52	156	LT LINE				
7	5	AP-5	5	DP+0	0	21°41'53"RT					RAJNAGAR	91°23'2.6"	23°13'53.7"	
							35			VILL ROAD				
8			LOC-5/1	D/C SP+2	2									ON LINE 11KV
						hold.	35							
9			LOC-5/2	D/C SP+2	2									ON LINE 11KV
							34	104	260					
10	6	AP-6	6	D/C SP+2	2	0°38'17"LT					RAJNAGAR	91°22'59"	23°13'54"	ON LINE 11KV
							26	26	286					
11	7	AP-7	7	DP+0	0	10°45'49"LT					RAJNAGAR	91°22'58"	23°13'54"	
							27	27	313					
12	8	AP-8	8	DP+4	4	39°1'24"LT					RAJNAGAR	91°22'57.1"	23°13'53.9"	
						hold.	26	26	339	2 NOS 11KV, METAL ROAD				
13	9	AP-9	9	DP+4	4	22°52'7"LT					RAJNAGAR	91°22'56.5"	23°13'53.3"	
							30	30	369					
14	11	AP-10	10	DP+0	0	13°20'56"LT					RAJNAGAR	91°22'56.1"	23°13'52.4"	
							26	26	385					
15		AP-11	11	DP+0	0	16°37'1"RT					RAJNAGAR	91°22'56"	23°13'51.6"	
							26	26	421	2 NOS 11KV, METAL ROAD				
16	12	AP-12	12	D/C DP+2	2	19°38'7"LT					RAJNAGAR	91°22'55.6"	23°13'50.8"	ON LINE 11KV
							43			VILL ROAD				
17			LOC-12/1	D/C SP+4	4									ON LINE 11KV
							44							
18	13		LOC-12/2	D/C SP+4	4									ON LINE 11KV
						hold.	43	130	551	LT LINE, VILL ROAD				
19	14	AP-13	13	D/C DP+2	2	14°38'6"RT					RAJNAGAR	91°22'55.2"	23°13'46.6"	ON LINE 11KV
							28	28	579	VILL ROAD				
20	15	AP-14	14	SP+4	4	6°5'1"RT					RAJNAGAR	91°22'54.9"	23°13'45.7"	SP WITH ANGLE
							32	32	611	2 NOS 11KV, LT LINE, METAL ROAD				
21	16	AP-15	15	DP+4	4	13°2'38"RT					RAJNAGAR	91°22'54.4"	23°13'44.8"	
							26							
22			LOC-15/1	DP+4	4									
							26	52	663	2 NOS 11KV				
23		AP-16	16	DP+4	4	7°55'39"RT					RAJNAGAR	91°22'53.9"	23°13'43.5"	

Critical crossings

Critical crossings

SUBMITTED BY: TECHNOKAD

CHECKED BY: Biswajit Singha, Asst Eng, PGCIL, Belona

APPROVED BY: H. Choudhury, Manager, POWERGRID

OWNER-T.S.E.C.
LCUENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME :EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
							39							
24	17		LOC-16/1	SP+0	0									
							39	78	741					
25	18	AP-17	17	SP+2	2	4°6'22"LT					RAINAGAR	91°22'51.3"	23°13'41.7"	SP WITH ANGLE
							26			LT LINE				
26	19		LOC-17/1	DP+2	2									USE DP AS SECTION POLE
							26	52	793	LT LINE				
27		AP-18	18	SP+4 2	4	4°17'46"RT					RAINAGAR	91°22'50"	23°13'40.5"	SP WITH ANGLE
							30	30	823	METAL ROAD				
28		AP-19	19	DP+0	0	21°21'58"LT					RAINAGAR	91°22'49.3"	23°13'39.8"	
							26	26	849	METAL ROAD				
29	20	AP-20	20	DP+0	0	10°17'45"RT					RAINAGAR	91°22'48.9"	23°13'39"	
				hold.			26	26	875	METAL ROAD				
30	21	AP-21	21	DP+0	0	13°37'17"RT					RAINAGAR	91°22'48.4"	23°13'38.4"	
							26	26	901					
31		AP-22	22	FP+0	0	61°10'24"LT					RAINAGAR	91°22'47.7"	23°13'37.8"	
							26			METAL ROAD				
32	22		LOC-22/1	SP+4	4									
							26	52	953	11KV				
33	23	AP-23	23	DP+4	4	11°6'7"LT					RAINAGAR	91°22'48"	23°13'36.1"	
							26							
34			LOC-23/1	SP+0	0									
							26	52	1005					
35		AP-24	24	DP+0	0	17°21'31"LT					DAKSHIN RAJANAGAR	91°22'48.8"	23°13'34.6"	
						hold.	28	28	1033	METAL ROAD, VILL ROAD				
36	24	AP-25	25	D/C DP+0	0	28°26'45"RT					DAKSHIN RAJANAGAR	91°22'49.4"	23°13'33.9"	ONLINE
							31	31	1064					
37	25	AP-26	26	DP+0	0	13°54'25"RT					DAKSHIN RAJANAGAR	91°22'49.6"	23°13'32.9"	
							34							
38			LOC-26/1	SP+0	0									
							35							
39			LOC-26/2	SP+0	0									
							35	104	1168					
40	26	AP-27	27	SP+4	4	3°05'41"LT					DAKSHIN RAJANAGAR	91°22'49.5"	23°13'29.5"	SP WITH ANGLE
							35			11KV+ LT LINE				
41			LOC-27/1	DP+4	4									USED DP FOR POWRE LINE CROSSING
						hold.	35			LT LINE, VILLAGE ROAD				
42			LOC-27/2	SP+2	2									
							35	105	1273					
43	27	AP-28	28	SP+0	0	7°27'31"RT					DAKSHIN RAJANAGAR	91°22'49.6"	23°13'26.1"	SP WITH ANGLE
							34							
44			LOC-28/1	SP+0	0									
							36							
45			LOC-28/2	SP+0	0									
							34	104	1377					

SUBMITTED BY TECHNOFAB

CHECKED BY

APPROVED BY:

OWNER-T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED DKNPUR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
46	28	AP-29	29	DP+0	0	18°51'51"LT					DAKSHIN RAJANAGAR	91°22'49.2"	23°13'22.8"	
							35	35	1412					
47		AP-30	30	SP+0	0	05°18'10"LT								SP WITH ANGLE
							36	36	1448					
48	29	AP-31	31	SP+4	4	04°24'10"LT					DAKSHIN RAJANAGAR	91°22'49.6"	23°13'21.1"	SP WITH ANGLE
						hold	36	36	1484	11KV, METAL ROAD				
49	30	AP-32	32	DP+4	4	12°23'15"LT					DAKSHIN RAJANAGAR	91°22'50.3"	23°13'19.5"	
							45			VILL ROAD				
50			LOC-32/1	SP+0	0									
							33	78	1562					
51		AP-33	33	DP+0	0	14°26'32"RT					DAKSHIN RAJANAGAR	91°22'51.9"	23°13'17.4"	
							26							
52	31		LOC-33/1	DP+4	4									USE DP FOR POWER LINE CROSSING
							26	52	1614	11KV, LT LINE, METAL ROAD				
53		AP-34	34	DP+4	4	03°10'12"RT					DAKSHIN RAJANAGAR	91°22'52.6"	23°13'15.8"	USE DP FOR POWER LINE CROSSING
							40	40	1654	LT LINE				
54	32	AP-35	35	DP+2	2	10°38'11"RT					DAKSHIN RAJANAGAR	91°22'53"	23°13'14.3"	
							26			LT LINE				
55	33		LOC-35/1	SP+~~4~~ 2	4									
						hold	26	52	1706					
56		AP-36	36	DP+~~2~~ 4	2	23°34'25"RT					DAKSHIN RAJANAGAR	91°22'53.3"	23°13'12.6"	
							31	31	1737	LT LINE				
57	34	AP-37	37	DP+4	4	35°31'14"RT					DAKSHIN RAJANAGAR	91°22'52.7"	23°13'11.6"	
							40			VILL ROAD				
58			LOC-37/1	SP+2	2									
							40	80	1817	LT LINE				
59	35	AP-38	38	SP+~~4~~ 2	4	9°4'48"LT					DAKSHIN RAJANAGAR	91°22'50.3"	23°13'10.2"	SP WITH ANGLE
							26	26	1843					
60		AP-39	39	SP+0	0	7°56'10"LT					DAKSHIN RAJANAGAR	91°22'49.7"	23°13'9.6"	SP WITH ANGLE
							28	28	1871					
61		AP-40	40	DP+0	0	18°7'8"LT					DAKSHIN RAJANAGAR	91°22'49"	23°13'8.9"	
							26	26	1897					
62	36	AP-41	41	DP+4	4	22°38'13"RT					DAKSHIN RAJANAGAR	91°22'48.7"	23°13'8.1"	
						hold	26	26	1923	LT LINE, 11KV, METAL ROAD				
63		AP-42	42	DP+4	4	20°54'32"LT					DAKSHIN RAJANAGAR	91°22'48.1"	23°13'7.5"	
							33			VILL ROAD				
64	37		LOC-42/1	SP+0	0									
							34							
65	38		LOC-42/2	SP+0	0									
							33	100	2023					
66		AP-43	43	SP+0	0	4°57'09"LT					DAKSHIN RAJANAGAR	91°22'46.7"	23°13'4.5"	SP WITH ANGLE
						hold	26	26	2049	METAL ROAD, VILL ROAD				
67	39	AP-44	44	D/C DP+0	0	9°36'30"RT					DAKSHIN RAJANAGAR	91°22'46.4"	23°13'3.7"	ONLINE
							26	26	2075					
68		AP-45	45	D/C DP+0	0	5°57'14"LT					DAKSHIN RAJANAGAR	91°22'46"	23°13'3"	ONLINE

SUBMITTED BY:TECHNOFAB

CHECKED BY

APPROVED BY:

OWNER-T.S.E.C.
LCUENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED EKNPUR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	GPS CO-ORDINATE(WGS-84) NORTHING	REMARKS
							26	26	2101					
69	40	AP-46	46	DP+4	4	18°29'41"RT					DAKSHIN RAJANAGAR	91°22'45.7"	23°13'2.2"	
							26			LT LINE				
70			LOC-46/1	SP+4	4									
							26	52	2153					
71	41	AP-47	47	DP+0	0	20°53'20"RT					DAKSHIN RAJANAGAR	91°22'46.5"	23°13'0.9"	
							25	25	2178	METAL ROAD				
72		AP-48	48	DP+0	0	14°14'29"LT					KRISHNAPUR	91°22'43.7"	23°13'0.5"	
						Hold	44							
73		—	LOC-48/1	SP+4	0									
							45	89	2267	LT LINE, VILL ROAD.				
74	42	AP-49	49	SP+4	4	1°16'26"RT					KRISHNAPUR	91°22'41.5"	23°12'58.6"	SP WITH ANGLE
							45			METAL ROAD				
75			LOC-49/1	SP+0	0									
							37			VILL ROAD				
76	43		LOC-49/2	SP+0	0									
							37							
77			LOC-49/3	SP+0	0									
							36	155	2422					
78	44	AP-50	50	DP+0	0	12°32'58"LT					KRISHNAPUR	91°22'37.4"	23°12'55.1"	
							35							
79	45		LOC-50/1	SP+0	0									
							34							
80	46		LOC-50/2	SP+4	4									
							36	105	2527	LT LINE				
81		AP-51	51	SP+4	4	2°54'36"RT					KRISHNAPUR	91°22'35.3"	23°12'52.3"	SP WITH ANGLE
							45	45	2572					
82	48	AP-52	52	DP+4	4	15°53'20"RT					KRISHNAPUR	91°22'34.3"	23°12'51.2"	
							26	26	2598	METAL ROAD, 11KV, LT LINE				
83	49	AP-53	53	SP+4	4	0°59'1"RT					KRISHNAPUR	91°22'33.6"	23°12'50.7"	SP WITH ANGLE
						Hold.	27	27	2625	11KV				
84	50	AP-54	54	DP+2	2	18°36'42"LT					KRISHNAPUR	91°22'32.8"	23°12'50.2"	
							27	27	2652	LT LINE, METAL ROAD				
85		AP-55	55	DP+2	2	14°28'31"RT					KRISHNAPUR	91°22'32.2"	23°12'49.5"	
							26							
86	51		LOC-55/1	SP+0	0									
							26	52	2704	METAL ROAD				
87	52	AP-56	56	DP+0	0	38°47'10"LT					KRISHNAPUR	91°22'30.8"	23°12'48.4"	
							26							
88			LOC-56/1	SP+0	0									
							26	52	2756					
89	53	AP-57	57	SP+0	0	0°11'36"RT					KRISHNAPUR	91°22'30.4"	23°12'46.7"	SP WITH ANGLE
							26							
90			LOC-57/1	SP+0	0									
							26	52	2808					

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY TECHNOFAB.

H.N. Nyayi
P.S. PACIL

CHECKED BY

Biswajit
Asit. Eng

M. H. Choudhury
Manager
POWERGRID
NERPSIP

APPROVED BY.

OWNER-T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED EKNAPUR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
91	54	AP-58	58	DP+4	4	21°28'31"LT					KRISHNAPUR	91°22'30"	23°12'45.1"	
						hold	26	26	2834	METAL ROAD, 11KV				
92	55	AP-59	59	DP+4	4	23°28'40"RT					KRISHNAPUR	91°22'30.2"	23°12'44.3"	
							26	26	2860					
93	56	AP-60	60	DP+0	0	36°4'9"RT					KRISHNAPUR	91°22'29.9"	23°12'43.4"	
							39							
94			LOC-60/1	SP+0	0									
							39							
95	57		LOC-60/2	SP+0	0									
							30	108	2968					
96	58	AP-61	61	SP+4	4	0°58'56"RT					KRISHNAPUR	91°22'27"	23°12'41.2"	SP WITH ANGLE
						hold	26	26	2994	METAL ROAD, 11KV				
97		AP-62	62	DP+4	4	20°47'47"LT					KRISHNAPUR	91°22'26.2"	23°12'40.8"	
							44			11KV				
98			LOC-62/1	SP+4	4									
							34	78	3072					
99	59	AP-63	63	DP+0	0	22°20'10"LT					KRISHNAPUR	91°22'24.4"	23°12'38.9"	
							26	26	3098					
100		AP-64	64	SP+0	0	4°37'31"LT					KRISHNAPUR	91°22'24.2"	23°12'38"	SP WITH ANGLE
							27	27	3125	VILL ROAD				
101	60	AP-65	65	SP+0	0	1°18'47"RT					KRISHNAPUR	91°22'24"	23°12'37.2"	SP WITH ANGLE
							28	28	3153					
102	61	AP-66	66	SP+0	0	0°29'49"RT					KRISHNAPUR	91°22'23.7"	23°12'36.3"	SP WITH ANGLE
						hold	30	30	3183	METAL ROAD				
103	62	AP-67	67	DP+0	0	24°11'13"RT					KRISHNAPUR	91°22'23.5"	23°12'35.4"	
							34							
104			LOC-67/1	SP+4	4									
							35			LT LINE (height not mentioned)				
105	63		LOC-67/2	SP+4	4									
							35	104	3287					
106		AP-68	68	SP+0	0	4°58'57"RT					KRISHNAPUR	91°22'21.2"	23°12'32.7"	SP WITH ANGLE
							26							
107			LOC-68/1	SP+0	0									
							26	52	3339					
108	64	AP-69	69	SP+0	0	0°31'13"LT					KRISHNAPUR	91°22'19.9"	23°12'31.5"	SP WITH ANGLE
						hold	38			LT LINE				
109			LOC-69/1	SP+0	0									
							39	77	3416					
110	65	AP-70	70	SP+0	0	3°15'35"LT					KRISHNAPUR	91°22'18"	23°12'29.7"	SP WITH ANGLE
							25	25	3441					
111		AP-71	71	DP+4	4	15°48'39"RT					KRISHNAPUR	91°22'17.4"	23°12'29"	
						hold	32	32	3473	LT LINE, METAL ROAD, VILL ROAD				
112	66	AP-72	72	DP+4	4	48°2'22"LT					KRISHNAPUR	91°22'16.5"	23°12'28.5"	
							26	26	3499					
113	67	AP-73	73	DP+0	0	20°2'28"LT					KRISHNAPUR	91°22'16.4"	23°12'27.6"	

SUBMITTED BY: TECHNOFAB

HNNiyogi
(T.S. PECIW)

CHECKED BY

Biswajit Singha
Asst Eng

एम. एच. चौधरी/M. H. Choudhury
प्रबंधक, Manager
पावरग्रिड/POWERGRID
एन.ई.आर.पी.एस.आई.पी/NERPSIP

APPROVED BY:

OWNER-T.S.E.C.
LCUENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED DKINPUR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							26	26	3525	METAL ROAD				
114	68	AP-74	74	DP+0	0	29°25'16"LT					KRISHNAPUR	91°22'16.6"	23°12'26.8"	
						hold.	26	26	3551	METAL ROAD				
115	69	AP-75	75	SP+0	0	3°13'41"RT					KRISHNAPUR	91°22'17.2"	23°12'26.2"	SP WITH ANGLE
							39							
116			LOC-75/1	SP+0	0									
							39	78	3629					
117		AP-76	76	SP+0	0	5°58'20"RT					KRISHNAPUR	91°22'18.9"	23°12'24.2"	SP WITH ANGLE
							26	26	3655					
118	70	AP-77	77	SP+0	0	6°38'39"LT					KRISHNAPUR	91°22'19.4"	23°12'23.5"	SP WITH ANGLE
							39							
119			LOC-77/1	DP+4	4									USED DP FOR POWRE LINE CROSSING
						hold.	39	78	3733	11KV				
120	71	AP-78	78	DP+4	4	16°32'28"RT					KRISHNAPUR	91°22'21.1"	23°12'21.5"	
							36	36	3769	METAL ROAD				
121	72	AP-79	79	SP+0	0	1°46'11"RT					HIRANAGAR	91°22'21.6"	23°12'20.4"	SP WITH ANGLE
							45							
122			LOC-79/1	SP+0	0									
							41							
123			LOC-79/2	SP+0	0									
							41	127	3896					
124	74	AP-80	80	SP+0	0	4°4'23"RT					HIRANAGAR	91°22'23.2"	23°12'16.6"	SP WITH ANGLE
							30	30	3926					
125		AP-81	81	DP+0	0	9°0'31"RT					HIRANAGAR	91°22'23.5"	23°12'15.7"	
							44							
126			LOC-81/1	SP+0	0									
							45							
127			LOC-81/2	SP+0	0									
						hold.	45			VILL ROAD				
128	75		LOC-81/3	SP+0	0									
							45	179	4105					
129		AP-82	82	DP+0	0	10°0'28"LT					HIRANAGAR	91°22'24.3"	23°12'9.9"	
							26	26	4131					
130	76	AP-83	83	DP+0	0	19°52'55"LT					HIRANAGAR	91°22'24.6"	23°12'9.1"	
							26	26	4157					
131	77	AP-84	84	DP+0	0	17°18'32"LT					HIRANAGAR	91°22'25.1"	23°12'8.4"	
							26							
132			LOC-84/1	DP+4	4									USED DP FOR POWRE LINE CROSSING
							26	52	4209	11KV				
133	78	AP-85	85	DP+4	4	10°20'15"RT					HIRANAGAR	91°22'26.6"	23°12'7.4"	
						hold.	27	27	4236	LT LINE				
134	79	AP-86	86	DP+4	4	23°47'11"RT					HIRANAGAR	91°22'27.2"	23°12'6.7"	
							26	26	4262					
135		AP-87	87	DP+4	4	11°47'29"RT					HIRANAGAR	91°22'27.4"	23°12'5.9"	
							26	26	4288	11KV				

Tanish
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Hanniyoji
P.S. Pecon.

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Biswajit Singha
Asst Eng

M. H. Choudhury
Manager

APPROVED BY

OWNER-T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
136	80	AP-88	88	DP+4	4	23°50'12"RT					HIRANAGAR	91°22'27.4"	23°12'5"	
						hold	26							
137	81		LOC-88/1	SP+0	0									
							26	52	4340					
138		AP-89	89	SP+0	0	0°58'55"RT					HIRANAGAR	91°22'26.6"	23°12'3.5"	SP WITH ANGLE
							26	26	4366					
139	82	AP-90	90	DP+0	0	36°55'48"LT					HIRANAGAR	91°22'26.2"	23°12'2.7"	
						hold	28	28	4394	METAL ROAD				
140	83	AP-91	91	DP+4	4	12°48'48"RT					HIRANAGAR	91°22'26.4"	23°12'1.8"	
							32	32	4426	11KV, LT LINE, METAL ROAD				
141	84	AP-92	92	SP+4	4	7°40'37"RT					HIRANAGAR	91°22'26.4"	23°12'0.8"	SP WITH ANGLE
							26							
142			LOC-92/1	SP+0	0									
							26	52	4478					
143	85	AP-93	93	SP+0	0	9°6'41"RT					HIRANAGAR	91°22'26.2"	23°11'59.1"	SP WITH ANGLE
							26	26	4504					
144	86	AP-94	94	DP+0	0	16°18'11"RT					HIRANAGAR	91°22'25.9"	23°11'58.3"	
							40							
145			LOC-94/1	SP+4	4									
						hold	40	80	4584	LT LINE				
146	87	AP-95	95	DP+4	4	20°2'23"RT					HIRANAGAR	91°22'24.3"	23°11'56.2"	
							24	24	4608	METAL ROAD, LT LINE, 11KV				
147		AP-96	96	DP+4	4	23°15'21"LT					HIRANAGAR	91°22'23.6"	23°11'55.7"	
							32	32	4640					
148		AP-97	97	DP+0	0	12°18'37"LT					NIHAR NAGAR	91°22'23"	23°11'54.8"	
							31	31	4671					
149		AP-98	98	SP+0	0	4°35'33"RT					NIHAR NAGAR	91°22'22.6"	23°11'53.9"	SP WITH ANGLE
							26							
150	88		LOC-98/1	SP+0	0									
							26	52	4723					
151		AP-99	99	DP+0	0	5°24'8"RT					NIHAR NAGAR	91°22'21.9"	23°11'52.4"	USE DP AS SECTION POLE
							33							
152			LOC-99/1	SP+0	0									
							34							
153	89		LOC-99/2	SP+0	0									
							33	100	4823					
154	90	AP-100	100	DP+4	4	28°24'23"LT					NIHAR NAGAR	91°22'20.1"	23°11'49.5"	
							27	27	4850	METAL ROAD, 11KV, LT LINE				
155	91	AP-101	101	SP+4	4	3°59'46"RT					NIHAR NAGAR	91°22'20.1"	23°11'48.7"	SP WITH ANGLE
						hold	26	26	4876	METAL ROAD				
156	92	AP-102	102	DP+4	4	36°43'3"LT					NIHAR NAGAR	91°22'20"	23°11'47.8"	
							20	20	4896	11KV, LT LINE				
157		AP-103	103	DP+4	4	27°2'7"LT					NIHAR NAGAR	91°22'20.3"	23°11'47.3"	
							27	27	4923	METAL ROAD				
158	93	AP-104	104	D/C DP+4	4	33°15'45"RT					NIHAR NAGAR	91°22'21.1"	23°11'46.8"	

critical crossing

SUBMITTED BY TECHNOFAB.

CHECKED BY

APPROVED BY.

H. N. Choudhury
Manager
ONLINE
प्रबंधक,
पावरग्रिड/POWERGRID
एन.ई.आर.पी.एस.आई.पी/NERPSIP
बेलोनिया/Belonia

OWNER-T.S.E.C.
(CLIENT-P.G.C.I.L.

DETAIL POLE SCHEDULE

LINE NAME:EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
							26	26	4949					
159	94	AP-105	105	D/C DP+0	0	17°51'54"RT					NIHAR NAGAR	91°22'21.5"	23°11'46"	ONLINE
							25	25	4974					
160	95	AP-106	106	D/C DP+4	4	23°43'24"RT					NIHAR NAGAR	91°22'21.6"	23°11'45.2"	ONLINE
							28	28	5002	METAL ROAD, LT LINE				
161	96	AP-107	107	SP+4	4	1°25'56"RT					NIHAR NAGAR	91°22'21.3"	23°11'44.4"	SP WITH ANGLE
							27	27	5029	METAL ROAD, LT LINE				
162	97	AP-108	108	DP+4	4	22°28'38"RT					NIHAR NAGAR	91°22'21"	23°11'43.5"	
						hold	29	29	5058					
163		AP-109	109	SP+0	0	7°37'54"RT					NIHAR NAGAR	91°22'20.4"	23°11'42.8"	SP WITH ANGLE
							30	30	5088	METAL ROAD				
164	98	AP-110	110	DP+4	4	17°3'6"LT					NIHAR NAGAR	91°22'19.6"	23°11'42.2"	
							26	26	5114	LT LINE				
165	99	AP-111	111	DP+4	4	16°12'22"LT					NIHAR NAGAR	91°22'19.1"	23°11'41.4"	
							41							
166			LOC-111/1	SP+0	0									
							37	78	5192					
167		AP-112	112	SP+0	0	1°40'58"RT					NIHAR NAGAR	91°22'18.4"	23°11'39"	SP WITH ANGLE
							28	28	5220	METAL ROAD				
168		AP-113	113	DP+4	4	17°11'30"RT					NIHAR NAGAR	91°22'18.1"	23°11'38.1"	
							26	26	5246	METAL ROAD, 11KV, LT LINE				
169		AP-114	114	DP+4	4	29°49'53"LT					NIHAR NAGAR	91°22'17.6"	23°11'37.4"	
						hold	41			METAL ROAD				
170		AP-115	115	DP+0	0	28°12'31"RT					NIHAR NAGAR	91°22'17.2"	23°11'36.3"	
							41	82	5328	METAL ROAD,VILL ROAD				
171	102	AP-116	116	SP DP+4	4	8°08'42"LT					ANANDAPUR	91°22'16.7"	23°11'35"	USE DP FOR POWER LINE CROSSING
							26	26	5354	LT LINE				
172	104	AP-117	117	SP DP+4	4	7°0'4"LT					ANANDAPUR	91°22'16.3"	23°11'34.2"	USE DP FOR POWER LINE CROSSING
							26	26	5380					
173		AP-118	118	DP+0	0	32°58'7"LT					ANANDAPUR	91°22'16"	23°11'33.4"	
							26	26	5406					
174		AP-119	119	DP+0	0	23°41'52"RT					ANANDAPUR	91°22'16.3"	23°11'32.6"	
							27	27	5433					
175		AP-120	120	DP+0	0	31°58'27"RT					ANANDAPUR	91°22'16.2"	23°11'31.7"	
						hold	27	27	5460	METAL ROAD				
176		AP-121	121	SP+0	0	5°39'32"RT					ANANDAPUR	91°22'16.5"	23°11'30.9"	SP WITH ANGLE
							26	26	5486					
177	106	AP-122	122	DP+0	0	10°59'0"LT					ANANDAPUR	91°22'16.8"	23°11'30.1"	
							26			NALA				
178			LOC-122/1	SP+0	0									
							26	52	5538					
179		AP-123	123	SP DP+4	4	3°38'31"RT					ANANDAPUR	91°22'17.7"	23°11'28.7"	
						hold	27	27	5565	VILL ROAD, 11KV				
180	107	AP-124	124	DP+4	4	18°11'21"RT					ANANDAPUR	91°22'18.1"	23°11'27.9"	
							26	26	5591	LT LINE				

SUBMITTED BY TECHNOFAB.

CHECKED BY

APPROVED BY:

Manager
पावरग्रिड/POWERGRID
एन.ई.आर.पी.एस. आई.पी/NERPSIP
बेलोनिया/Belonia

OWNER-T.S.E.C.
LCUENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME-EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	GPS CO-ORDINATE(WGS-84) NORTHING	REMARKS
181		AP-125	125	DP+2	2	11°1'49"RT					ANANDAPUR	91°22'18.2"	23°11'27"	
						hold	28	28	5619					
182	108	AP-126	126	DP+0	0	13°59'34"RT					ANANDAPUR	91°22'18.2"	23°11'26.1"	
							26	26	5645					
183	109	AP-127	127	DP+0	0	18°48'26"RT					ANANDAPUR	91°22'17.9"	23°11'25.3"	
							26	26	5671					
184	110	AP-128	128	DP+0	0	17°14'34"RT					ANANDAPUR	91°22'17.4"	23°11'24.6"	
							26							
185			LOC-128/1	SP+0	0									
							26	52	5723					
186	111	AP-129	129	DP+0	0	23°26'32"LT					ANANDAPUR	91°22'15.9"	23°11'23.6"	
							26							
187			LOC-129/1	SP+4	4									
						hold	26	52	5775	11KV, LT LINE				
188	112	AP-130	130	DP+4	4	29°57'15"RT					ANANDAPUR	91°22'15"	23°11'22.2"	
							26	26	5801	LT LINE, METAL ROAD				
189		AP-131	131	DP+8	0	14°3'7"LT					ANANDAPUR	91°22'14.2"	23°11'21.8"	
							27							
190			LOC-131/1	SP+0	0									
							26	53	5854					
191	113	AP-132	132	SP+4	4	7°15'46"RT					ANANDAPUR	91°22'12.8"	23°11'20.6"	SP WITH ANGLE
						hold	28	28	5882	METAL ROAD, LT LINE				
192		AP-133	133	SP+4	4	0°34'36"RT					ANANDAPUR	91°22'12"	23°11'20"	SP WITH ANGLE
							39							
193			LOC-133/1	SP+0	0									
							39	78	5960					
194	114	AP-134	134	DP+0	0	16°57'58"LT					ANANDAPUR	91°22'9.8"	23°11'18.5"	
							30	30	5990					
195	115	AP-135	135	DP+0	0	49°52'42"LT					ANANDAPUR	91°22'9.2"	23°11'17.8"	
						hold	36			VILL ROAD				
196			LOC-135/1	SP+0	0									
							36							
197			LOC-135/2	SP+0	0									
							36	108	6098					
198	116	AP-136	136	SP+0	0	2°28'41"LT					ANANDAPUR	91°22'10"	23°11'14.3"	SP WITH ANGLE
							39							
199			LOC-136/1	SP+0	0									
							39	78	6176					
200	117	AP-137	137	SP+4	4	1°20'37"RT					ANANDAPUR	91°22'10.7"	23°11'11.9"	
						hold.	26	26	6202	LT LINE				
201		AP-138	138	DP+2	2	13°12'35"RT					ANANDAPUR	91°22'11"	23°11'11.1"	
							26	26	6228					
202	118	AP-139	139	DP+0	0	16°7'23"RT					ANANDAPUR	91°22'11"	23°11'10.2"	
							26	26	6254					
203		AP-140	140	DP+0	0	10°18'33"LT					ANANDAPUR	91°22'10.7"	23°11'9.4"	

SUBMITTED BY:TECHNOFAB.

CHECKED BY

APPROVED BY:

Manager
POWERGRID
NERPSIP

OWNER-T.S.E.C.
LCLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME-EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	GPS CO-ORDINATE(WGS-84) NORTHING	REMARKS
							42							
204	119		LOC-140/1	D/C SP+2	2									ON LINE LT
							42	84	6338	LT LINE, METAL ROAD				
205	120	AP-141	141	FP+2	2	67°15'52"LT					ANANDAPUR	91°22'10.5"	23°11'6.7"	
							33	33	6371	LT LINE, METAL ROAD				
206	121	AP-142	142	SP+2	2	6°31'23"RT					ANANDAPUR	91°22'11.5"	23°11'6.2"	
							24			LT LINE, METAL ROAD				
207			LOC-142/1	SP+0	0	hold								
							24	48	6419					
208	122	AP-143	143	DP+2	2	21°21'4"LT					ANANDAPUR	91°22'12.9"	23°11'5.3"	
							35	35	6454	LT LINE, METAL ROAD				
209	123	AP-144	144	SP+4	4	7°16'50"LT					ANANDAPUR	91°22'14.1"	23°11'5"	SP WITH ANGLE
				2			26	26	6480					
210		AP-145	145	SP+0	0	6°26'8"LT					ANANDAPUR	91°22'15"	23°11'5"	SP WITH ANGLE
							26							
211			LOC-145/1	SP+0	0									
							26	52	6532					
212		AP-146	146	SP+4	4	1°48'39"LT					ANANDAPUR	91°22'16.8"	23°11'5"	SP WITH ANGLE
							29	29	6561	11KV				
213	124	AP-147	147	DP+4	4	11°46'3"RT					ANANDAPUR	91°22'17.8"	23°11'5"	
							26							
214			LOC-147/1	SP+0	0	hold								
							26	52	6613	METAL ROAD				
215		AP-148	148	DP+0	0	40°37'12"RT					ANANDAPUR	91°22'19.6"	23°11'4.8"	
							26							
216	125		LOC-148/1	SP+0	0									
							26	52	6665					
217	126	AP-149	149	SP+0	0	9°21'47"RT					ANANDAPUR	91°22'20.8"	23°11'3.5"	SP WITH ANGLE
							38							
218			LOC-149/1	SP+0	0									
							38	76	6741					
219	127	AP-150	150	DP+0	0	22°52'25"RT					ANANDAPUR	91°22'22.5"	23°11'00.1"	
						hold	34			METAL ROAD				
220		AP-151	151	SP+0	0									
							36							
221			LOC-151/1	SP+0	0									
							35	105	6846					
222	128	AP-152	152	SP+0	0	03°33'06"LT					ANANDAPUR	91°22'23.2"	23°10'58.1"	SP WITH ANGLE
							26	26	6872					
223	129	AP-153	153	DP+0	0	05°33'08"RT					ANANDAPUR	91°22'23.4"	23°10'57.2"	USE DP AS SECTION POLE
						hold	40	40	6912	METAL ROAD				
224	130	AP-154	154	SP+4	4	0°56'56"RT					ANANDAPUR	91°22'23.7"	23°10'56.1"	SP WITH ANGLE
							35			11KV				
225			LOC-154/1	SP+0	0									
							42	77	6989					

TECHNO ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOFAB

Tunnigoji
TS. PCCIW.

CHECKED BY

Biswajit Singha
Asst. Engg.

Manager
POWERGRID

APPROVED BY

OWNER-T.S.E.C.
LCUENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
226	131	AP-155	155	DP+0	0	6°51'2"RT					ANANDAPUR	91°22'24.6"	23°10'53.2"	USE DP AS SECTION POLE
							34			NALA				
227			LOC-155/1	SP+0	0									
							35							
228			LOC-155/2	SP+0	0									
							35	104	7093	VILL ROAD				
229	132	AP-156	156	SP+0	0	7°25'2"RT					ANANDAPUR	91°22'25"	23°10'49.9"	SP WITH ANGLE
							26							
230			LOC-156/1	SP+0	0									
							26	52	7145	METAL ROAD				
231	133	AP-157	157	DP+0	0	37°40'40"LT					ANANDAPUR	91°22'25.1"	23°10'48.2"	
							26							
232	134		LOC-157/1	SP+4	4									
							26	52	7197	LT LINE				
233		AP-158	158	SP+4	4	4°53'23"LT					KOMALPUR	91°22'26.2"	23°10'46.9"	SP WITH ANGLE
							41			LT LINE				
234			LOC-158/1	SP+4	4									
							41	82	7179	LT LINE, 11KV				
235	136	AP-159	159	DP+4	4	1°2'35"RT					KOMALPUR	91°22'28.1"	23°10'44.9"	
							26							
236			LOC-159/1	SP+0	0									
							27	53	7332					
237		AP-160	160	SP+0	0	2°24'59"LT					KOMALPUR	91°22'29.4"	23°10'43.7"	SP WITH ANGLE
							26	26	7358					
238		AP-161	161	SP+0	0	9°29'8"LT					KOMALPUR	91°22'30"	23°10'43.1"	SP WITH ANGLE
							27	27	7385					
239	138	AP-162	162	DP+0	0	12°1'15"LT					KOMALPUR	91°22'30.8"	23°10'42.5"	
							26							
240			LOC-162/1	SP+4	4									
							33	59	7444	LT LINE, METAL ROAD				
241	139	AP-163	163	SP+4	4	7°21'46"RT					KOMALPUR	91°22'32.6"	23°10'41.7"	SP WITH ANGLE
							26	26	7470					
242	140	AP-164	164	SP+0	0	2°34'11"LT					KOMALPUR	91°22'33.4"	23°10'41.3"	SP WITH ANGLE
							26	26	7496	VILL ROAD, METAL ROAD				
243		AP-1645	165	FP+0	0	66°53'42"RT					KOMALPUR	91°22'34.2"	23°10'40.9"	
							30	30	7526					
244	141	AP-166	166	SP+0	0	7°3'51"RT					KOMALPUR	91°22'34.1"	23°10'39.9"	SP WITH ANGLE
							26							
245	142		LOC-166/1	SP+0	0									
							26	52	7578	VILL ROAD				
246		AP-167	167	SP+0	0	4°11'13"LT					KOMALPUR	91°22'33.7"	23°10'38.3"	SP WITH ANGLE
							26	26	7604					
247	143	AP-168	168	SP+0	0	0°23'20"LT					KOMALPUR	91°22'33.6"	23°10'37.4"	
							26	26	7630					
248		AP-169	169	DP+0	0	13°00'33"RT					KOMALPUR	91°22'33.4"	23°10'36.6"	

SUBMITTED BY:TECHNOFAB

CHECKED BY

APPROVED BY:

M. H. Choudhury
Manager
POWERGRID
NERPSIP

OWNER-T.S.E.C.
LCUENT-P.B.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
							26							
249	144		LOC-169/1	SP+0	0									
							40	66	7696					
250	145	AP-170	170	SP+0	0	0°24'31"RT					KOMALPUR	91°22'32.6"	23°10'34.6"	SP WITH ANGLE
							42	42	7738					
251		AP-171	171	DP+4	4	11°24'47"RT					KOMALPUR	91°22'32"	23°10'33.3"	
							26			11KV, LT LINE				
252	146		LOC-171/1	DP+4	4									USED DP FOR POWRE LINE CROSSING
							26	52	7790					
253		AP-172	172	SP+4	4	7°34'25"LT					KOMALPUR	91°22'31"	23°10'31.9"	SP WITH ANGLE
							26			LT LINE				
254			LOC-172/1	D/C DP+4	4									ONLINE
							26	52	7842					
255		AP-173	173	SP DP+4	4	9°20'13"RT					KOMALPUR	91°22'30.2"	23°10'30.4"	
						hold	26	26	7868	LT LINE, METAL ROAD				
256	147	AP-174	174	DP+4	4	24°59'5"LT					KOMALPUR	91°22'29.7"	23°10'29.7"	
							26	26	7894	2 NO LT LINE, METAL ROAD				
257	148	AP-175	175	DP+4	4	10°42'40"LT					KOMALPUR	91°22'29.5"	23°10'28.9"	
							35			11KV, LT LINE				
258			LOC-175/1	SP+4	4									ONLINE
							42							
259			LOC-175/2	SP+4 2	4									
							40			LT LINE				
260			LOC-175/3	SP+4 2	4									
							42	159	8053					
261		AP-176	176	SP DP+4	4	1°46'26"LT					INDRA NAGAR	91°22'29.6"	23°10'23.7"	
							25	25	8078	11KV, LT LINE, METAL ROAD				
262	149	AP-177	177	DP+4	4	8°29'2"RT					INDRA NAGAR	91°22'29.6"	23°10'22.9"	
							26							
263			LOC-177/1	SP+0	0									
							27	53	8131					
264		AP-178	178	SP+0	0	7°10'51"RT					INDRA NAGAR	91°22'29.4"	23°10'21.2"	SP WITH ANGLE
							26							
265			LOC-178/1	SP+0	0									
							26	52	8183					
266	150	AP-179	179	DP+0	0	8°33'58"LT					INDRA NAGAR	91°22'29"	23°10'19.5"	
						hold.	26			VILL ROAD				
267			LOC-179/1	SP+0	0									
							26	52	8235					
268	151	AP-180	180	SP+0	0	5°52'57"LT					INDRA NAGAR	91°22'28.9"	23°10'17.9"	SP WITH ANGLE
							39							
269			LOC-180/1	SP+0	0									
							39	78	8313					
270		AP-181	181	DP+0	0	3°18'30"LT					INDRA NAGAR	91°22'28.9"	23°10'15.3"	USE DP AS SECTION POLE
							27							

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY TECHNOFAB

CHECKED BY

Biswajit Singha Asst. Eng

APPROVED BY

M. H. Choudhury Manager

OWNER-T.S.E.C.
LCUENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
271	152		LOC-181/1	SP+0	0									
							26	53	8366					
272		AP-182	182	SP+4	4	5°26'56"RT					INDRA NAGAR	91°22'29.1"	23°10'13.6"	SP WITH ANGLE
							26			LT LINE, VILL ROAD, 11KV				
273	153		LOC-182/1	DP+4	4									USE DP AS SECTION POLE
						hold	26	52	8418					
274		AP-183	183	DP+4	4	19°7'30"RT					INDRA NAGAR	91°22'29"	23°10'11.9"	
							26	26	8444	2 NOS LT LINE, 11KV, METAL ROAD				
275		AP-184	184	DP+4	4	19°44'49"LT					INDRA NAGAR	91°22'28.7"	23°10'11.1"	
							26							
276	154		LOC-184/1	SP+0	0									
							26	52	8496					
277		AP-185	185	DP+4	4	18°24'16"LT					INDRA NAGAR	91°22'28.7"	23°10'9.4"	
							26	26	8522	METAL ROAD, 11KV, LT LINE				
278	155	AP-186	186	DP+4	4	0°29'34"RT					INDRA NAGAR	91°22'29"	23°10'8.6"	
						hold	25	25	8547	LT LINE				
279		AP-187	187	DP+2	2	17°10'0"RT					INDRA NAGAR	91°22'29.3"	23°10'7.8"	
							26	26	8573	METAL ROAD				
280	156	AP-188	188	SP+0	0	2°38'32"RT					INDRA NAGAR	91°22'29.3"	23°10'7"	SP WITH ANGLE
							34							
281			LOC-188/1	SP+0	0									
							33							
282			LOC-188/2	SP+0	0									
							33	100	8673					
283		AP-189	189	DP+0	0	16°23'49"LT					INDRA NAGAR	91°22'29.1"	23°10'3.8"	
							34			METAL ROAD				
284			LOC-189/1	SP+4	4									
						hold	35			LT LINE				
285			LOC-189/2	SP+4	4									
							35	104	8777					
286	160	AP-190	190	DP+2	2	11°57'57"LT					INDRA NAGAR	91°22'30"	23°10'0.5"	
							34			LT LINE				
287	161		LOC-190/1	SP+4	4									
							35							
288	162		LOC-190/2	SP+0	0									
							35	104	8881					
289		AP-191	191	DP+0	0	4°56'43"RT					INDRA NAGAR	91°22'31.6"	23°9'57.4"	USE DP AS SECTION POLE
							32							
290	163		LOC-191/1	SP+0	0									
							37							
291			LOC-191/2	SP+0	0									
							35	104	8985					
292		AP-192	192	DP+4	4	21°52'10"RT					INDRA NAGAR	91°22'33"	23°9'54.3"	
						hold	26	26	9011	11KV, LT LINE, METAL ROAD				
293	164	AP-193	193	DP+4	4	33°36'43"LT					INDRA NAGAR	91°22'33"	23°9'53.4"	

SUBMITTED BY:TECHNOFAB

CHECKED BY

APPROVED BY:

M. H. Choudhury
Manager
PGCIL

OWNER-T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
							35			VILL ROAD, 11KV, LT LINE				
294	165		LOC 193/1	SP+4	4									
							34	69	9080	VILL ROAD				
295		AP-194	194	DP+0	0	11°06'53"LT						91°22'33.6"	23°9'51.6"	
				SP			36	36	9116	METAL ROAD				
296	166	AP-195	195	DP+4	4	06°42'40"RT					SADU PARA	91°22'34.1"	23°9'50.5"	USE DP AS SECTION POLE
							45			11KV, LT LINE				
297	167		LOC-195/1	SP+4	4									
						hold	45	90	9206	VILL ROAD				
298		AP-196	196	DP+4	4	17°44'39"RT					SADU PARA	91°22'35.1"	23°9'47.6"	
							40	40	9246	11KV, METAL ROAD,LT LINE				
299		AP-197	197	DP+4	4	12°13'04"RT					SADU PARA	91°22'35.1"	23°9'46.4"	
				SP			39	39	9285					
300	169	AP-198	198	DP+4	4	02°54'30"RT					GAB TOLI	91°22'34.8"	23°9'45.1"	
							39	39	9324	11KV, LT LINE, METAL ROAD				
301		AP-199	199	DP+4	4	14°24'0"LT					GAB TOLI	91°22'34.3"	23°9'43.6"	
							26			LT LINE				
302			LOC-199/1	SP+4	4									
							26	52	9376					
303	170	AP-200	200	DP+0	0	17°37'48"LT					GAB TOLI	91°22'34.2"	23°9'41.9"	
							26							
304			LOC-200/1	SP+0	0									
							25	51	9427					
305	171	AP-201	201	DP+0	0	33°3'47"RT					GAB TOLI	91°22'34.7"	23°9'40.3"	
							26	26	9453					
306	172	AP-202	202	DP+0	0	12°49'33"LT					GAB TOLI	91°22'34.4"	23°9'39.5"	
						hold	26	26	9479	VILL ROAD				
307		AP-203	203	DP+0	0	20°25'0"LT					GAB TOLI	91°22'34.3"	23°9'38.7"	
							27	27	9506					
308	173	AP-204	204	SP+0	0	8°9'29"RT					GAB TOLI	91°22'34.6"	23°9'37.8"	SP WITH ANGLE
							27	27	9533					
309		AP-205	205	DP+4	4	36°48'57"LT					GAB TOLI	91°22'34.7"	23°9'37"	
							29	29	9562	METAL ROAD, 11KV, LT LINE				
310	174	AP-206	206	DP+4	4	37°17'44"RT					GAB TOLI	91°22'35.4"	23°9'36.3"	
							35	35	9597	METAL ROAD, 11KV, LT LINE				
311		AP-207	207	SP+4	4	04°54'11"LT					GAB TOLI	91°22'35.6"	23°9'35.2"	
							40	40	9637					
312	175	AP-208	208	DP+4	4	25°51'18"LT					GAB TOLI	91°22'35.8"	23°9'33.9"	
				SP		hold.	32	32	9669	2 NOS METAL ROAD, 11KV, LT LINE				
313	176	AP-209	209	DP+4	4	5°58'59"LT					GAB TOLI	91°22'36.5"	23°9'33.1"	
							40	40	9709	11KV				
314	177	AP-210	210	DP+4	4	24°58'03"RT					GAB TOLI	91°22'37.3"	23°9'32.3"	
							37	37	9746					
315		AP-211	211	DP+0	0	13°30'57"RT					GAB TOLI	91°22'37.5"	23°9'31.1"	

4

SUBMITTED BY:TECHNOEAB

Hanniyaji
Jr. Engr.

CHECKED BY

Biswajit Singha
Asst. Eng

APPROVED BY:

M. H. Choudhury
Manager

OWNER-T.S.E.C.
LCUENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
							44	44	9790	11KV				
316	178	AP-212	212	DP+4	4	9°17'57"LT					GAB TOLI	91°22'38"	23°9'29.5"	
							36	36	9826	METAL ROAD				
317	179	AP-213	213	SP+0	0	7°10'44"RT					GAB TOLI	91°22'38.3"	23°9'28.5"	SP WITH ANGLE
							43	43	9869					
318	180	AP-214	214	DP+0	0	20°37'10"RT					GAB TOLI	91°22'38.5"	23°9'27"	
							26	26	9895	11KV				
319		AP-215	215	DP+4	4	29°50'3"RT					GAB TOLI	91°22'38.3"	23°9'26.1"	
							28	28	9923	11KV, METAL ROAD				
320		AP-216	216	DP+4	4	30°19'7"RT					NIPANDRA NAGAR	91°22'37.6"	23°9'25.5"	
							26	26	9949	11KV, METAL ROAD				
321	182	AP-217	217	DP+4	4	40°53'43"LT					NIPANDRA NAGAR	91°22'36.7"	23°9'25.2"	
							27	27	9976	VILL ROAD				
322	183	AP-218	218	DP+0	0	21°28'7"LT					NIPANDRA NAGAR	91°22'36.2"	23°9'24.5"	
							27	27	10003					
323		AP-219	219	SP+0	0	7°1'53"LT					NIPANDRA NAGAR	91°22'36"	23°9'23.6"	SP WITH ANGLE
							26	26	10029					
324	184	AP-220	220	SP+0	0	8°0'44"LT					NIPANDRA NAGAR	91°22'36"	23°9'22.8"	SP WITH ANGLE
							26	26	10055					
325	185	AP-221	221	SP+0	0	8°39'8"LT					NIPANDRA NAGAR	91°22'36"	23°9'22"	SP WITH ANGLE
							27	27	10082					
326		AP-222	222	DP+0	0	10°14'22"RT					NIPANDRA NAGAR	91°22'36.2"	23°9'21.1"	
							26							
327			LOC-222/1	SP+0	0									
							26	52	10134					
328	186	AP-223	223	DP+0	0	12°37'37"LT					NIPANDRA NAGAR	91°22'36.3"	23°9'19.4"	
							36							
329	187		LOC-223/1	SP+0	0									
							35							
330	188		LOC-223/2	SP+0	0									
							36	107	10241	VILL ROAD				
331		AP-224	224	SP+0	0	4°2'18"RT					NIPANDRA NAGAR	91°22'37.2"	23°9'16"	SP WITH ANGLE
							26							
332			LOC-224/1	SP+0	0									
							26	52	10293					
333		AP-225	225	DP+0	0	3°36'14"LT					NIPANDRA NAGAR	91°22'37.6"	23°9'14.4"	
							39							
334	189		LOC-225/1	SP+0	0									
							39	78	10371					
335	190	AP-226	226	SP+0	0	6°12'15"RT					NIPANDRA NAGAR	91°22'38.3"	23°9'11.9"	SP WITH ANGLE
							26	26	10397					
336		AP-227	227	SP+4	4	4°12'25"RT					NIPANDRA NAGAR	91°22'38.4"	23°9'11.1"	
							26	26	10423	METAL ROAD, 11KV				
337		AP-228	228	DP+4	4	19°32'32"RT					NIPANDRA NAGAR	91°22'38.4"	23°9'10.2"	
							27	27	10450					

critical crossing

SUBMITTED BY:TECHNOFAB

CHECKED BY

APPROVED BY:

एम. एन. चौधरी/M. N. Choudhury
प्रबंधक, Manager
पावरग्रिड/POWERGRID
एन.ई.आर.पी.एस. आई.पी/NERPSIP

OWNER-T.S.E.C.
LOUENT-P.G.C.I.L.

DETAIL POLE SCHEDULE

LINE NAME:EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
338	191	AP-229	229	DP+0	0	42°15'28"LT					NIPANDRA NAGAR	91°22'38.2"	23°9'9.4"	
							30	30	10480					
339		AP-230	230	DP+4	4	13°22'09"RT					NIPANDRA NAGAR	91°22'38.7"	23°9'8.5"	
						hold	37	37	10517	METAL ROAD, 11KV				
340	192	AP-231	231	SP+4	4	06°19'06"LT					NIPANDRA NAGAR	91°22'38.8"	23°9'7.7"	SP WITH ANGLE
							41	41	10558					
341		AP-232	232	DP+0	0	28°02'32"RT					NIPANDRA NAGAR	91°22'39.4"	23°9'6.1"	
							40							
342	193		LOC-232/1	SP+0	0									
							41							
343	194		LOC-232/2	SP+0	0									
							41							
344			LOC-232/3	SP+0	0									
							40	162	10720					
345	195	AP-233	233	DP+4	0	37°25'41"LT					NIPANDRA NAGAR	91°22'38.6"	23°9'0.9"	
							31	31	10751	METAL ROAD,11KV				
346		AP-234	234	SP+4	4	4°49'55"RT					NIPANDRA NAGAR	91°22'39.1"	23°9'0"	
						hold	39			VILL ROAD				
347			LOC-234/1	SP+4	4									
							39	78	10829					
348		AP-235	235	DP+0	0	1°4'0"RT					NIPANDRA NAGAR	91°22'40.2"	23°8'57.7"	USE DP AS SECTION POLE
							39							
349			LOC-235/1	SP+0	0									
						hold	39	78	10907	VILL ROAD				
350		AP-236	236	SP+0	0	0°16'10"LT					NIPANDRA NAGAR	91°22'41.3"	23°8'55.4"	SP WITH ANGLE
							39							
351			LOC-236/1	SP+0	0									
							39	78	10985					
352	196	AP-237	237	DP+0	0	20°11'6"LT					NIPANDRA NAGAR	91°22'42.4"	23°8'53"	
							45	45	11030					
353	197	AP-238	238	DP+0	0	37°32'54"RT					NIPANDRA NAGAR	91°22'43.47"	23° 8'51.96"	
						hold	39	39	11069	METAL ROAD				
354		AP-239	239	SP+0	0	09°37'08"RT					NIPANDRA NAGAR	91°22'43.63"	23° 8'50.70"	SP WITH ANGLE
							40	40	11109					
355	198	AP-240	240	DP+0	0	40°31'35"RT					NIPANDRA NAGAR	91°22'43.54"	23° 8'49.39"	
							38	38	11147					
356		AP-241	241	D/C DP+0	0	34°40'59"LT					NIPANDRA NAGAR	91°22'42.66"	23° 8'48.51"	
						hold	41	41	11188					
357	199	AP-242	242	DP+0	0	19°22'31"RT					NIPANDRA NAGAR	91°22'42.4"	23°8'47.2"	
							26	26	11214					
358		AP-243	243	DP+0	0	20°26'23"LT					NIPANDRA NAGAR	91°22'41.9"	23°8'46.5"	
							26	26	11240					
359		AP-244	244	SP+0	0	5°15'41"LT					NIPANDRA NAGAR	91°22'41.8"	23°8'45.6"	SP WITH ANGLE
							26	26	11266					
360		AP-245	245	DP+0	0	3°41'26"LT					NIPANDRA NAGAR	91°22'41.8"	23°8'44.[illegible]	

SP

SUBMITTED BY:TECHNOFAB

H N Niyogi
P.E. PGCIL

CHECKED BY

Biswajit Singha
Asst. Eng

M. H. Choudhury
Manager
POWERGRID
NERPSIP

APPROVED BY:

OWNER-T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME-EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	GPS CO-ORDINATE(WGS-84) NORTHING	REMARKS
							26	26	11292					
361	201	AP-246	246	DP+4	4	9°34'55"RT					NIPANDRA NAGAR	91°22'41.8"	23°8'43.9"	
							26	26	11318	METAL ROAD, 2 NOS 11KV				
362		AP-247	247	DP+4	4	16°7'51"RT					NIPANDRA NAGAR	91°22'41.6"	23°8'43.1"	
							24	24	11342					
363		AP-248	248	DP+4	4	32°27'50"RT					NIPANDRA NAGAR	91°22'41.3"	23°8'42.4"	
							24			METAL ROAD				
364			LOC-248/1	SP+4	4									
							26	50	11392	11KV				
365	202	AP-249	249	DP+4	4	19°33'18"LT					NIPANDRA NAGAR	91°22'39.8"	23°8'41.5"	
							26							
366			LOC-249/1	SP+4	4									
							26	52	11444					
367	203	AP-250	250	DP+0	0	12°43'14"LT					NIPANDRA NAGAR	91°22'38.7"	23°8'40.2"	
							26	26	11470	11KV				
368		AP-251	251	D/C DP+0	4	08°07'48"LT					NIPANDRA NAGAR	91°22'38.28"	23°8'39.42"	ONLINE
							38	38	11508	METAL ROAD,11KV				
369		AP-252	252	DP+4	4	12°48'06"RT					NIPANDRA NAGAR	91°22'38.1"	23°8'38.6"	
							40	40	11548					
370	204	AP-253	253	SP+0	0	2°0'19"RT					NIPANDRA NAGAR	91°22'37.2"	23°8'37.1"	
							26	26	11574	METAL ROAD				
371		AP-254	254	D/C DP+0	0	26°8'0"LT					NIPANDRA NAGAR	91°22'36.8"	23°8'36.4"	ONLINE
							26	26	11600					
372		AP-255	255	DP+4	4	14°43'29"RT					NIPANDRA NAGAR	91°22'36.7"	23°8'35.5"	
							35			11KV				
373			LOC-255/1	SP+4	4									
							34							
374			LOC-255/2	SP+0	0									
							35	104	11704					
375	205	AP-256	256	SP+0	0	07°34'30"RT					SODDHI NAGAR	91°22'35.7"	23°8'32.3"	ONLINE
							32	32	11736					
376	206	AP-257	257	DP+0	0	10°17'54"RT					SODDHI NAGAR	91°22'35.21"	23°8'31.33"	
							42	42	11778	VILL ROAD				
377	207	AP-258	258	DP+0	0	10°55'20"LT					SODDHI NAGAR	91°22'33.8"	23°8'29.1"	
							44	44	11822					
378	208	AP-259	259	SP+0	0	07°34'18"LT					SODDHI NAGAR	91°22'33.7"	23°8'28.6"	
							36	36	11858	NALA				
379		AP-260	260	SP+0	0	7°16'21"LT					SODDHI NAGAR	91°22'33.4"	23°8'27.8"	SP WITH ANGLE
							35							
380			LOC-260/1	SP+0	0									
							34							
381			LOC-260/2	SP+0	0									
							35	104	11962					
382		AP-261	261	DP+0	0	16°14'2"RT					SODDHI NAGAR	91°22'33.1"	23°8'24.4"	
							26	26	11988					

critical end swings

critical end swings

hold.

hold

SUBMITTED BY TECHNOFAB

CHECKED BY

Biswajit Singha Asst. Eng

एच. एच. चौधरी/H. H. Choudhary
प्रबंधक/Manager
पावरग्रिड/POWERGRID
एन.ई.आर.पी.एस.आई.पी/NERPSIP

APPROVED BY

OWNER-T.S.E.C.
LCLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
383		AP-262	262	DP+0	0	24°38'19"LT					SODDHI NAGAR	91°22'32.7"	23°8'23.6"	
							28	28	12016	Metal road crossing				
384		AP-263	263	DP+4	4	10°11'14"LT					SODDHI NAGAR	91°22'32.8"	23°8'22"	
						hold	44	44	12060	11KV				
385	209	AP-264	264	DP+4	4	11°39'41"LT					SODDHI NAGAR	91°22'33.08"	23°8'21.33"	
							31	31	12091					
386		AP-265	265	DP+0	0	10°17'12"LT					SODDHI NAGAR	91°22'33.6"	23°8'20.4"	
							27							
387			LOC-265/1	SP+2	2									
							26	53	12144	LT LINE				
388		AP-266	266	DP+2	2	13°45'8"RT					SODDHI NAGAR	91°22'34.6"	23°8'19"	
							26	26	12170	METAL ROAD				
389	210	AP-267	267	SP+0	0	7°33'15"LT					SODDHI NAGAR	91°22'34.9"	23°8'18.2"	SP WITH ANGLE
							26	26	12196	METAL ROAD				
390		AP-268	268	DP+0	0	30°46'47"RT					SODDHI NAGAR	91°22'35.4"	23°8'17.5"	
						hold	23	23	12219					
391		AP-269	269	DP+0	0	17°15'36"RT					SODDHI NAGAR	91°22'35.3"	23°8'16.7"	
							39	39	12258	METAL ROAD				
392	211	AP-270	270	DP+4	0	16°16'52"LT					SODDHI NAGAR	91°22'34.87"	23°8'15.53"	
							38	38	12296	LT LINE, 11KV, NALA				
393	212	AP-271	271	DP+4	4	33°44'14"LT					SODDHI NAGAR	91°22'34.8"	23°8'14.3"	
							26	26	12322					
394		AP-272	272	DP+0	0	31°6'6"RT					SODDHI NAGAR	91°22'35.3"	23°8'13.6"	
							26	26	12348	METAL ROAD				
395		AP-273	273	DP+0	0	15°46'26"RT					SODDHI NAGAR	91°22'35.3"	23°8'12.7"	
							40							
396			LOC-273/1	SP+0	0									
							40	80	12428					
397	213	AP-274	274	DP+0	0	31°22'41"LT					SODDHI NAGAR	91°22'34.5"	23°8'10.2"	
							26	26	12454					
398	214	AP-275	275	DP+4	4	16°56'21"RT					SODDHI NAGAR	91°22'34.7"	23°8'9.4"	
							27	27	12481	11KV, METAL ROAD				
399	215	AP-276	276	DP+4	4	30°40'1"LT					SODDHI NAGAR	91°22'34.7"	23°8'8.5"	
							26	26	12507	11KV				
400		AP-277	277	DP+4	4	34°54'16"LT					SODDHI NAGAR	91°22'35.1"	23°8'7.8"	
							28	28	12535	METAL ROAD				
401	216	AP-278	278	DP+0	0	57°12'40"RT					SODDHI NAGAR	91°22'36"	23°8'7.4"	
						hold	40	40	12575	METAL ROAD				
402		AP-279	279	D/C DP+2	2	15°57'03"RT					SODDHI NAGAR	91°22'36.11"	23°8'6.08"	ON LINE 11KV
							39	39	12614					
403	217	AP-280	280	D/C DP+2	2	101°08'18"LT					SODDHI NAGAR	91°22'36.65"	23°8'4.91"	ON LINE 11KV
							41	41	12655					
404		AP-281	281	D/C DP+2	2	60°33'07"RT						91°22'37.16"	23°8'3.65"	ON LINE 11KV
							33	33	12688					
405		AP-282	282	DP+2	2	14°56'58"LT					SODDHI NAGAR	91°22'37.60"	23°8'2.65"	

SUBMITTED BY TECHNOFAB

CHECKED BY

Biswajit Sinha
Asst. Eng.

APPROVED BY

एम. एच. चौधरी/M. H. Choudhury
प्रबंधक, Manager
पावरग्रिड/POWERGRID
नेरप्सिप/NERPSIP

OWNER-T.S.E.C.
LCUENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
							27	27	12715	11KV,LT LINE				
406	219	AP-283	283	DP+4	4	34°40'15"RT					SODOHI NAGAR	91°22'38.17"	23° 8'1.94"	
						hold	28	28	12743	LT LINE, VILL ROAD				
407		AP-284	284	SP+2	2	07°01'33"RT					SODOHI NAGAR	91°22'38.2"	23°8'1"	
							26							
408	220		LOC 284/1	SP+0	0									
							26	52	12795					
409		AP-285	285	DP+4	4	21°8'6"RT					SODOHI NAGAR	91°22'38.1"	23°7'59.3"	
							26	26	12821	11KV				
410	221	AP-286	286	DP+4	4	21°41'28"LT					SODOHI NAGAR	91°22'37.7"	23°7'58.6"	
critical crossing						hold	26	26	12847	11KV				
411		AP-287	287	DP+4	4	29°28'56"LT					SODOHI NAGAR	91°22'37.6"	23°7'57.7"	
							41			11KV, METAL ROAD				
412	222		LOC-287/1	SP+2	2									
							40							
413			LOC-287/2	SP+0	0									
							40							
414			LOC-287/3	SP+0	0									
						hold	40	161	13008	METAL ROAD				
415	223	AP-288	288	D/C DP+2	2	6°24'28"RT					SODOHI NAGAR	91°22'40"	23°7'53"	DNLINE
							30	30	13038					
416	224	AP-289	289	SP+0	0	09°42'35"RT					SODOHI NAGAR	91°22'40.32"	23° 7'52.04"	
							45	45	13083					
417		AP-290	290	SP+0	0	5°41'53"LT					SODOHI NAGAR	91°22'40.55"	23° 7'50.62"	SP WITH ANGLE
							31	31	13114					
418	226	AP-291	291	DP+0	0	51°26'19"RT					SODOHI NAGAR	91°22'40.8"	23°7'49.7"	
							28	28	13142	METAL ROAD				
419		AP-292	292	DP+0	0	22°38'48"RT					SODOHI NAGAR	91°22'40.3"	23°7'48.9"	
						hold	31	31	13173	METAL ROAD				
420		AP-293	293	DP+0	0	31°22'30"LT					SODOHI NAGAR	91°22'39.3"	23°7'48.4"	
							29							
421	227		LOC-293/1	SP+0	0									
							33	62	13235	METAL ROAD				
422	228	AP-294	294	DP+4	4	14°37'33"RT					SODOHI NAGAR	91°22'38.3"	23°7'46.6"	
						hold	35	35	13270	11KV				
423		AP-295	295	DP+4	4	16°39'20"LT					SODOHI NAGAR	91°22'37.6"	23°7'46.1"	
							43	43	13313					
424		AP-296	296	DP+0	0	13°30'38"LT					SODOHI NAGAR	91°22'36.8"	23°7'44.5"	
							40							
425			LOC-296/1	SP+0	0									
							40	80	13393					
426		AP-297	297	DP+0	0	16°43'25"RT					SODOHI NAGAR	91°22'36.2"	23°7'42"	
						hold	26	26	13419	METAL ROAD				
427	229	AP-298	298	DP+0	0	11°46'44"RT					SODOHI NAGAR	91°22'35.2"	23°7'41.3"	
							26	26	13445					

SUBMITTED BY:TECHNOFAB

CHECKED BY

APPROVED BY:

एम. एच. चौधरी/M. H. Chaudhury
प्रबंधक, Manager
पावरग्रिड/POWERGRID
एन.ई.आर.पी.एस.आई.पी/NERPSIP

OWNER-T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME-EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
428		AP-299	299	SP+0	0	1°5'23"LT					SODDHI NAGAR	91°22'35.1"	23°7'40.7"	SP WITH ANGLE
						hold	26	26	13471	METAL ROAD				
429		AP-300	300	SP+0	0	7°59'17"RT					SODDHI NAGAR	91°22'34.5"	23°7'40"	SP WITH ANGLE
							26							
430			LOC-300/1	SP+0	0									
							29	55	13526					
431		AP-301	301	SP+0	0	7°58'26"LT					SODDHI NAGAR	91°22'33.2"	23°7'38.9"	SP WITH ANGLE
							45	45	13571					
432	230	AP-302	302	DP+0	0	31°14'50"LT					SODDHI NAGAR	91°22'32.1"	23°7'37.7"	
							31	31	13602					
433		AP-303	303	SP+0	0	08°22'16"RT					SODDHI NAGAR	91°22'31.8"	23°7'36.7"	
							38	38	13640	METAL ROAD				
434	231	AP-304	304	SP+0	0	02°18'32"RT					SODDHI NAGAR	91°22'31.5"	23°7'35.5"	
						hold	40	40	13680	METAL ROAD				
435		AP-305	305	SP+0	0	05°32'49"RT					SODDHI NAGAR	91°22'30.9"	23°7'34.4"	
							44	44	13724	METAL ROAD				
436	232	AP-306	306	DP+0	0	47°57'38"LT					SODDHI NAGAR	91°22'30.4"	23°7'33"	
							44							
437			LOC-306/1	SP+0	0									
							43							
438			LOC-306/2	SP+0	0									
							43	130	13854					
439	233	AP-307	307	DP+4	4	22°30'37"LT					KAKAGARA	91°22'32.2"	23°7'29.1"	
						hold	35	35	13889	METAL ROAD, 11KV				
440		AP-308	308	DP+4	4	08°58'22"RT					KAKAGARA	91°22'32.9"	23°7'28.5"	USE DP FOR POWER LINE CROSSING
							43	43	13932					
441	234	AP-309	309	DP+0	0	10°4'43"LT					KAKAGARA	91°22'34"	23°7'27.2"	
							35							
442	235		LOC-309/1	SP+0	0									
							34							
443			LOC-309/2	SP+0	0									
							35	104	14036					
444	236	AP-310	310	SP+0	0	09°42'43"RT					KAKAGARA	91°22'36.6"	23°7'24.8"	SP WITH ANGLE
							39	39	14075	METAL ROAD				
445		AP-311	311	DP+0	0	44°38'39"RT					KAKAGARA	91°22'37.1"	23°7'23.9"	
						hold	36	36	14111	METAL ROAD				
446		AP-312	312	DP+0	0	45°17'01"LT					KAKAGARA	91°22'37.3"	23°7'22.7"	
							26	26	14137					
447	237	AP-313	313	SP+0	0	8°25'1"LT					KAKAGARA	91°22'37.8"	23°7'22"	SP WITH ANGLE
							42	42	14179					
448		AP-314	314	SP+0	0	03°02'52"RT					KAKAGARA	91°22'38.8"	23°7'21.1"	SP WITH ANGLE
							44	44	14223					
449		AP-315	315	DP+0	0	28°21'31"RT					KAKAGARA	91°22'39.7"	23°7'20.2"	
						hold.	45	45	14268					
450		AP-316	316	DP+4	4	38°11'29"RT					KAKAGARA	91°22'40.3"	[illegible]	

SUBMITTED BY: TECHNOFAB

HW Niyogi
FS PECIW

CHECKED BY

Biswajit Singha
Asst. Eng

Manager
POWERGRID
NERPSIP

APPROVED BY:

OWNER T.S.E.C.
CLIENT P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	GPS CO-ORDINATE(WGS-84) NORTHING	REMARKS
							26	26	14294	11KV, VILL ROAD				
451	239	AP-317	317	DP+4	4	39°20'9"LT					KAKAGARA	91°22'40"	23°7'17.8"	
							26	26	14320					
452		AP-318	318	DP+2	2	29°20'31"RT					KAKAGARA	91°22'40.3"	23°7'17"	
						hold	26	26	14346	METAL ROAD				
453	240	AP-319	319	DP+2	2	14°18'55"RT					CHOTTAKHOLA	91°22'40.1"	23°7'16.2"	
							45			LT LINE,11KV				
454			LOC-319/1	SP+0 2	0									
							45							
455			LOC-319/2	SP+0	0									
							45	135	14481					
456	241	AP-320	320	DP+0	0	16°3'17"LT					CHOTTAKHOLA	91°22'38.2"	23°7'12.2"	
							26	26	14507					
457		AP-321	321	SP+4 2	4	4°16'19"LT					CHOTTAKHOLA	91°22'38.1"	23°7'11.3"	SP WITH ANGLE
							45			LT LINE				
458			LOC-321/1	SP+4 2	4									
							45							
459			LOC-321/2	DP+4	4									USE DP AS SECTION POLE
						hold	34			VILL ROAD, 11KV, LT LINE				
460			LOC-321/3	SP+4	4									
							29	153	14660					
461		AP-322	322	SP+4	4	7°48'12"RT					CHOTTAKHOLA	91°22'37.7"	23°7'6.4"	SP WITH ANGLE
							26	26	14686	LT LINE				
462	242	AP-323	323	DP+4	4	19°42'6"LT					CHOTTAKHOLA	91°22'37.5"	23°7'5.5"	
							28	28	14714	METAL ROAD				
463	243	AP-324	324	DP+0	0	12°1'43"LT					CHOTTAKHOLA	91°22'37.7"	23°7'4.6"	
							40							
464			LOC-324/1	SP+0	0									
							40	80	14794					
465	244	AP-325	325	SP+4	4	2°23'22"RT					CHOTTAKHOLA	91°22'38.6"	23°7'2.2"	SP WITH ANGLE
							21			METAL ROAD, 11KV				
466	245		LOC-325/1	SP+4	4									
						hold	27	48	14842	LT LINE				
467	246	AP-326	326	DP+4	4	14°23'1"LT					CHOTTAKHOLA	91°22'39.2"	23°7'0.7"	
							27	27	14869					
468		AP-327	327	DP+0	0	10°50'0"RT					CHOTTAKHOLA	91°22'39.7"	23°6'60"	
							27							
469			LOC-327/1	SP+0	0									
							29	56	14925					
470	247	AP-328	328	SP ~~DP+4~~	4	9°41'31"RT					CHOTTAKHOLA	91°22'40.4"	23°6'58.3"	
						hold.	32	32	14957	LT LINE, METAL ROAD				
471	249	AP-329	329	SP+4	4	04°48'29"LT					CHOTTAKHOLA	91°22'40.6"	23°6'57.4"	SP WITH ANGLE
							45	45	15002					
472		AP-330	330	SP+0	0	1°48'53"RT					CHOTTAKHOLA	91°22'41.1"	23°6'55.7"	SP WITH ANGLE
							29	29	15031					

critical crossings

SUBMITTED BY TECHNOFAB

CHECKED BY

Bignajit Singha
Asst. Eng

24/11/12

M. H. Choudhury
Manager

APPROVED BY:

OWNER-T.S.E.C.
LCLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
473		AP-331	331	DP+0	0	10°40'3"RT					CHOTTAKHOLA	91°22'41.3"	23°6'54.9"	#
							26	26	15057					
474	249	AP-332	332	SP+0	0	9°22'41"RT					CHOTTAKHOLA	91°22'41.4"	23°6'54.1"	SP WITH ANGLE
							24	24	15081	METAL ROAD				
475		AP-333	333	DP+0	0	26°45'16"RT					CHOTTAKHOLA	91°22'41.3"	23°6'53.3"	
						hold	25	25	15106	METAL ROAD				
476		AP-334	334	DP+4	4	39°314'35"LT					CHOTTAKHOLA	91°22'40.9"	23°6'52.6"	
							33	33	15139	11KV, LT LINE				
477	251	AP-335	335	DP+4	4	17°33'46"LT					CHOTTAKHOLA	91°22'40.9"	23°6'51.7"	
							44	44	15183					
478		AP-336	336	SP+0	0	04°44'52"LT					CHOTTAKHOLA	91°22'41.7"	23°6'50.2"	SP WITH ANGLE
							30	30	15213					
479		AP-337	337	DP+4	4	31°34'342"LT					CHOTTAKHOLA	91°22'42.2"	23°6'49.4"	
							27	27	15240	METAL ROAD, 11KV				
480	252	AP-338	338	DP+4	4	11°45'52"RT					CHOTTAKHOLA	91°22'43"	23°6'49"	
						hold	26	26	15266					
481	253	AP-339	339	DP+4	4	32°45'47"RT					CHOTTAKHOLA	91°22'43.7"	23°6'48.5"	
							37	37	15303	11KV, METAL ROAD,NALA				
482	254	AP-340	340	SP+4	4	01°3'54"RT					CHOTTAKHOLA	91°22'44.1"	23°6'47.3"	SP WITH ANGLE
							27	27	15330					
483		AP-341	341	DP+0	0	26°31'49"RT					CHOTTAKHOLA	91°22'44.38"	23°6'46.48"	
							42	42	15372					
484	255	AP-342	342	SP+0	0	07°27'03"RT					CHOTTAKHOLA	91°22'44.11"	23°6'45.11"	
							45	45	15417					
485		AP-343	343	DP+4	4	19°04171"LT					CHOTTAKHOLA	91°22'43.64"	23°6'43.74"	
critical crossing						hold	40	40	15457	LT LINE				
486		AP-344	344	DP+4	4	18°42'49"RT					CHOTTAKHOLA	91°22'43.66"	23°6'42.38"	
							40	40	15497					
487		AP-345	345	DP+0	0	21°33'43"RT					CHOTTAKHOLA	91°22'43.25"	23°6'41.17"	
							28							
488	257		LOC-345/1	SP+0	0									
							43	71	15568					
489		AP-346	346	FP+0	0	64°19'01"LT					CHOTTAKHOLA	91°22'41.76"	23°6'39.33"	SP WITH ANGLE
							32	32	15600					
490		AP-347	347	DP+2	2	49°51'01"RT					CHOTTAKHOLA	91°22'42.30"	23°6'38.39"	
							40	40	15640	11KV, METAL ROAD				
491		AP-348	348	DP+4	4	42°37'39"RT					CHOTTAKHOLA	91°22'41.61"	23°6'37.25"	
						hold.	41	41	15681					
492		AP-349	349	DP+4	4	21°13'24"RT					CHOTTAKHOLA	91°22'40.25"	23°6'36.81"	
							36	36	15717	11KV, METAL ROAD				
493		AP-350	350	DP+4	4	24°49'01"LT					CHOTTAKHOLA	91°22'38.98"	23°6'36.87"	
							45	45	15762					
494	260	AP-351	351	DP+0	0	13°50'36"LT					CHOTTAKHOLA	91°22'37.51"	23°6'36.30"	
							32	32	15794					
495	261	AP-352	352	DP+0	0	14°45046"RT					CHOTTAKHOLA	91°22'36.60"	23°6'35.70"	

SUBMITTED BY:TECHNOFAB

CHECKED BY

APPROVED BY:

M. N. Choudhury
Manager
POWERGRID
NERPSIP
Belonia

OWNER-T.S.E.C.
LCLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							34	34	15828					
496		AP-353	353	SP+0	0	02°10'58"LT					CHOTTAKHOLA	91°22'35.52"	23° 6'35.30"	
						hold.	32	32	15860	VILL ROAD				
497		AP-354	354	FP+0	0	66°56'50"LT					CHOTTAKHOLA	91°22'34.50"	23° 6'34.90"	
							29	29	15889					
498		AP-355	355	FP+0	0	86°17'35"LT					CHOTTAKHOLA	91°22'34.48"	23° 6'33.93"	
							29	29	15918					
499		AP-356	356	FP+0	0							91°22'35.50"	23° 6'33.87"	

24/11/18

एम. एच. चौधरी/M. H. Choudhury
प्रबंधक, Manager
पावरग्रिड/POWERGRID
एन.ई.आर.पि.एस.आई.पि/NERPSIP
बेलनिया/Belonia

Biswajit Singha
Asst. Eng.
Belonia

Hiniyagi
FG.
PGCIL.

TECHNOFAB ENGINEERING LIMITED
TRIPURA
Kmish

SUBMITTED BY TECHNOFAB.

CHECKED BY

APPROVED BY:

POLE SUMMARY DETAILS

TRIPURA STATE ASSOCIATED WITH NER POWER SYSTEM IMPROVEMENT PROJECT (DMS PACKAGE-02)

CC-CS/86-NER/REW-2985/1/G2/NOA 1&11/7145 &7146 Dated 20/01/2017

LINE NAME: EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S

TOTAL LINE LENGTH: 15.918 km

S.No.	Type of Pole	Extension	Pole Qty	12 m Pole	14 m Pole	16 m Pole	Remarks
1	SP (GA-01)	0 m	96	96			72 nos of (GA-01 -12+0m) poles can be approved.
2		2 m	14 ~~8~~		~~5~~ 14		
3		4 m	18 ~~28~~			~~28~~ 18	
4	SP (GA-02)	0 m	68 ~~67~~	~~67~~ 68			42 nos of (GA-02 -12+0m) poles can be approved.
5		2 m	12 ~~3~~		~~3~~ 12		
6		4 m	31			31	
7	DP (GA-03)	0 m	104 ~~110~~	~~220~~ 208			60 (60X2 = 120) nos of (GA -03 -12+0m) poles can be approved.
8		2 m	14 ~~25~~		28 ~~30~~		
9		4 m	109 ~~112~~			~~224~~ 218	
10	FP (GA-04)	0 m	7	28			3(3 X 4 = 12) nos of (GA -04 -12+0m) poles can be approved.
11		2 m	1		4		
12		4 m	~~1~~			~~4~~	
13	SP (Double Circuit)GA-05	0 m	0	0			
14		2 m	4		4		
15		4 m	2			2	
16	DP (Double Circuit)GA-06	0 m	6	12			
17		2 m	8		16		
18		4 m	4			8	
19	FP (Double Circuit)GA-07	0 m	0	0			
20		2 m	0		0		
21		4 m	0			0	
	TOTAL			~~423~~ 412	~~62~~ 78	297 277	

TECHNOFAB ENGINEERING LIMITED TRIPURA

HNNiyogi
Pl. PEO/In.

Biswajit Singha
Asst. Engg.
Belonia.

4/11/22

एम. एच. चौधरी/M. H. Choudhury
प्रबंधक Manager
पावरग्रिड/POWERGRID
एन.ई.आर.पी.एस.आई.पी/NERPSIP
बेलोनिया/Belonia

LINK NAME:EXISTING 33/11KV RAJANAGAR S/S TO PROPOSED EKINPUR S/S				
S.No.	Description	Unit	Quantity	Remarks
A	Pole Height			
1	0 m Extension	~~423~~ 412		
2	2 m Extension	~~62~~ 78		
3	4 m Extension	~~297~~ 277		
B	Crossings			
1	LT Line Crossing	~~81~~ 82		
2	11 kV Crossing	78		
3	33 kV Crossing	NIL		
4	66 kV Crossing	NIL		
5	132 kV Crossing	NIL		
6	220 kV Crossing	NIL		
7	400 kV Crossing	NIL		
8	NH Crossing	NIL		
C	River Crossing	NIL		
D	Nala Crossing	5		
E	Road Crossing			
1	Metalled Road	~~106~~ 107		
2	Village Road	~~36~~ 37		
F	Span Violation			
G	Angle Violation			

Note: We have approved 12 m Pole Drawing (0 m Extension) and we have proposed 14 m Pole (2 m Extension) and 16 m Pole (4 m Extension) for crossings.

TECHNOFAB ENGINEERING LIMITED TRIPURA

Biswajit Singha Asst. Eng. Belonia (PGCIL)

24/11/12

एम. एच. चौधरी/M. H. Choudhury
प्रबंधक, Manage
पावरग्रिड/POWERGRID
एन.ई.आर.पी.एस.आई.पी/NERPS

DETAIL POLE SCHEDULE OF "LILO OF EXISTING JOLAIBARI-BAGAFA LINE TO PROPOSED 33 KV MUHURIPUR S/S"

ID	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS (WGS-84) EASTING	GPS (WGS-84) NORTHING	REMARKS
-33	EXT.-33	FP(EXT.)							BAKHORA	91°34'1.3"	23°16'3.8"	
					42	42	42	Metal Road, LT Line+11kv				
1	1	DP+2	2	8°15'19"LT					BAKHORA	91°34'2.2"	23°16'2.8"	
					42	42	84	Metal Road				
2	2	D/C DP+0	0	18°27'14"RT					BAKHORA	91°34'1.3"	23°16'1.8"	ON LINE
					42	42	126	Metal Road, Vill Road, 2Nos LT Line				
3	3	DP+4	4	32°37'4"LT					BAKHORA	91°34'0"	23°16'1.1"	
				Hold	42	42	168	2Nos Metal Road, LT Line, LT Line+11kv				
4	4	SP+4	4	1°55'34"RT					BAKHORA	91°33'59.8"	23°15'59.8"	SP WITH ANGLE
					42	42	210					
5	5	DP+2	2	38°17'37"RT					BAKHORA	91°33'59.5"	23°15'58.5"	
					42	42	252	Vill Road, LT Line				
6	6	DP+2	2	15°44'43"RT					BAKHORA	91°33'59.4"	23°15'57.6"	
					42	42	294					
7	7	DP+2	2	30°3'58"LT					BAKHORA	91°33'59.8"	23°15'57.4"	
					42	42	336	LT Line				
8	8	DP+2	2	14°37'13"RT					BAKHORA	91°33'61.8"	23°15'56.5"	
					41			Vill Road				
10	8/1	SP+0	0									
					41							
11	8/2	SP+0	0									
					41							
12	8/3	SP+4	4									
					41	355	500	Metal Road+LT Line+11kv				
13	9	DP+4	4	25°31'4"RT					PASCHIM CHARAK BAI	91°33'58.7"	23°15'54.1"	
					41							
14	9/1	DP+4	4									
					42	83	583	11kv				
15	10	DP+2	2	52°21'44"LT					PASCHIM CHARAK BAI	91°33'47.8"	23°15'54"	
					42	42	625	Metal Road, LT Line+11kv				
16	11	SP+0	0	5°42'7"LT					PASCHIM CHARAK BAI	91°33'46.9"	23°15'53.9"	SP WITH ANGLE
					42	42	667	Metal Road, Vill Road, 2Nos LT Line				
17	12	DP+0	0	32°32'34"LT					PASCHIM CHARAK BAI	91°33'46.2"	23°15'51.7"	
				Hold	42	42	709	School Road, Metal Road				
18	13	SP+4	4	1°56'11"RT					PASCHIM CHARAK BAI	91°33'46.2"	23°15'50.3"	SP WITH ANGLE
					42	42	751	11kv				
19	14	D/C SP+4	4	3°32'49"LT					PASCHIM CHARAK BAI	91°33'48.2"	23°15'49"	SP WITH ANGLE(ON LINE)
					42	42	793					
20	15	D/C DP+2	0	13°57'13"RT					PASCHIM CHARAK BAI	91°33'46.2"	23°15'47.6"	ON LINE
					42			Vill Road				
21	15/1	D/C SP+0	0									ON LINE
					42	84	877	Vill Road				
22	16	D/C SP+4	4	8°37'44"RT					PASCHIM CHARAK BAI	91°33'45.6"	23°15'44.9"	SP WITH ANGLE(ON LINE)
					42	42	919	Vill Road, LT Line				
23	17	DP+4	4	15°48'31"RT					PASCHIM CHARAK BAI	91°33'45.1"	23°15'43.8"	
					42	42	961	Metal Road, Vill Road, 11kv				
24	18	SP+0	0	[illegible]					PASCHIM CHARAK BAI	91°33'44.2"	23°15'42.5"	SP WITH ANGLE
					42	42	1003	11kv				
25	19	D/C SP+0	0	8°23'16"LT					PASCHIM CHARAK BAI	91°33'43.5"	23°15'41.3"	SP WITH ANGLE(ON LINE)
					42	42	1045	Metal Road, 11kv				
26	20	D/C DP+2	2	23°23'16"RT					PASCHIM CHARAK BAI	91°33'43"	23°15'40.1"	ON LINE
					42	42	1087					
27	21	SP+4	4	7°43'34"RT					PASCHIM CHARAK BAI	91°33'41.8"	23°15'39.1"	SP WITH ANGLE
					42	42	1129					
28	22	DP+0	0	32°40'7"LT					PASCHIM CHARAK BAI	91°33'40.7"	23°15'38.3"	
					42	42	1171					
29	23	SP+0	0	[illegible]					KURI PARA	91°33'38.8"	23°15'37.3"	SP WITH ANGLE
					42	42	1213					
30	24	SP+0	0	0°44'17"LT					KURI PARA	91°33'38"	23°15'36.1"	SP WITH ANGLE
					42							
31	24/1	SP+0	0									
					42	84	1297					
32	25	SP+4	4	8°40'21"RT					KURI PARA	91°33'37.3"	23°15'33.9"	SP WITH ANGLE
					42	42	1339	11kv, Metal Road				
33	26	DP+4	4	13°25'0"LT					KURI PARA	91°33'36.3"	23°15'32.8"	
					42	42	1381	11kv, Metal Road				

Hold.

TECHNOFAB ENGINEERING LIMITED MUHURIPUR

Biswajit Singha (AET)

11.09.17

SUBMITTED BY:
TechnoFab Engineering Ltd.

CHECKED BY:
P.G.C.I.L.

APPROVED BY:

DETAIL POLE SCHEDULE OF "LILO OF EXISTING JOLAIBARI-BAGAFA LINE TO PROPOSED 33 KV MUHURIPUR S/S"

			TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUM.LTV. LENGTH	CROSSING	VILLAGE NAME	GPS (WGS-84) EASTING	GPS (WGS-84) NORTHING	REMARKS
			SP+0	0	4°44'10"RT					KURI PARA	91°32'35.5"	23°15'31.6"	SP WITH ANGLE
						40	42	1423	Metal Road, Nala				
		28/N	DP+0	0	12°13'23"LT					KURI PARA	91°32'34.8"	23°15'30.5"	
						40							
		28/1	SP+0	0									
						43	85	1508					
		29	DP+4	4	17°52'10"LT					KURI PARA	91°32'33.8"	23°15'27.9"	
						41	42	1549	Metal Road, 11kv				
	30	30	DP+0	0	25°3'1"RT					KUMAR GHAT	91°32'33.7"	23°15'25.5"	
			(SP+4)			44	38	1586					
	31	31	SP+0	0	4°47'10"RT					KUMAR GHAT	91°32'33.8"	23°15'25.4"	SP WITH ANGLE
						42	42	1627	Metal Road, Nala				
	32	32	SP+0	0	0°10'10"RT					KUMAR GHAT	91°32'33.2"	23°15'24.1"	SP WITH ANGLE
						42							
		32/1	SP+4	4									
						42	84	1711	Hold Vill Road, 2Nos LT Line, 11kv				
42	33	33	DP+4	4	9°14'1"LT					KUMAR GHAT	91°32'32.3"	23°15'21.4"	
						42	42	1753	Metal Road				
43	34	34	SP+4	4	2°2'41"LT					KUMAR GHAT	91°32'32.4"	23°15'20"	SP WITH ANGLE
						44			Vill Road, LT Line				
44		34/1	SP+4	4									
						43							
45		34/2	SP+0	0									
						43							
46		34/3	SP+0	0					Hold				
						44			Vill Road				
47		34/4	SP+0	0									
						42	216	1969					
48	35	35	DP+0	0	4°17'10"RT					KUMAR GHAT	91°32'32.1"	23°15'12"	
						42	42	2011					
	36	36	DP+0	0	17°59'59"RT					KUMAR GHAT	91°32'31.8"	23°15'11.7"	
						42	42	2053					
50	37	37	DP+0	0	15°5'42"RT					UCHAI BARI	91°32'31.3"	23°15'10.4"	
						42	42	2095	Metal Road				
51	38	38	SP+4	4	0°22'18"RT					UCHAI BARI	91°32'30.4"	23°15'9.4"	SP WITH ANGLE
						42	42	2137	LT Line				
52	39	39	DP+2	2	0°54'18"LT					UCHAI BARI	91°32'29.5"	23°15'8.3"	
						42	42	2179	Metal Road				
53	40	40	D/C DP+2	2	18°16'40"RT					UCHAI BARI	91°32'28.7"	23°15'7.1"	ON LINE
						42	42	2221	LT Line, Vill Road				
54	41	41	DP+2	2	11°52'11"RT					UCHAI BARI	91°32'27.6"	23°15'6.2"	
						42	42	2263	Metal Road				
55	42	42	DP+0	0	9°39'10"LT					UCHAI BARI	91°32'26.4"	23°15'5.8"	SP WITH ANGLE
						42	42	2305	Metal Road				
56	43	43	DP+2	2	19°58'33"RT					UCHAI BARI	91°32'25.3"	23°15'4.8"	
						37	37	2342	Metal Road, LT Line				
57	44	44	DP+2	2	10°17'16"LT					UCHAI BARI	91°32'24.1"	23°15'4"	
						42			Metal Road				
58		44/1	SP+4	4					Hold				
						42	84	2426	LT Line				
59	45	45	DP+2	2	18°6'38"LT					UCHAI BARI	91°32'21.9"	23°15'2.2"	
						42	42	2468	Vill Road				
60	46	46	D/C DP+0	0	22°14'0"RT					UCHAI BARI	91°32'21.1"	23°15'1"	ON LINE
						42	42	2510	Metal Road				
61	47	47	SP+4	4	3°7'13"LT					UCHAI BARI	91°32'20"	23°15'0.2"	SP WITH ANGLE
						42	42	2552	LT Line+11kv				
62	48	48	DP+4	4	31°10'28"LT					UCHAI BARI	91°32'18.9"	23°14'58.5"	
						40	40	2592	Metal Road				
63	49	49	SP+4	4	4°7'31"RT					UCHAI BARI	91°32'18.0"	23°14'58"	SP WITH ANGLE
						42	42	2634	Metal Road, 11kv				
	50	50	DP+4	4	12°58'47"LT					UCHAI BARI	91°32'18"	23°14'56.8"	
						42	42	2676					
65	51	51	D/C DP+4	4	15°48'41"LT					UCHAI BARI	91°32'17.8"	23°14'55.4"	ON LINE
						42	42	2718	11kv, Metal Road				
66	52	52	SP+4	4	4°25'24"LT					UCHAI BARI	91°32'18"	23°14'54.1"	SP WITH ANGLE
						42	42	2760					
67	53	53	DP+2	2	8°51'41"LT					UCHAI BARI	91°32'18.4"	23°14'52.7"	SP WITH ANGLE
						37	37	2797	LT Line				
68	54	54	DP+2	2	36°23'11"LT					UCHAI BARI	91°32'18.8"	23°14'51.6"	
						42	42	2839	Metal Road				
69	55	55	DP+0	0	27°38'47"RT					JATUA TILA	91°32'19.9"	23°14'50.6"	
						42	42	2881					
70	56	56	DP+0	0	23°17'43"LT					JATUA TILA	91°32'20.4"	23°14'49.4"	
						41	41	2922					
71	57	57	SP+4	4	6°26'17"RT					JATUA TILA	91°32'21.3"	23°14'48.4"	SP WITH ANGLE
						43	43	2964	Hold Metal Road, Vill Road, LT Line				
72	58	58	DP+2	2	15°5'49"RT					JATUA TILA	91°32'22.1"	23°14'47.2"	
						42	42	3006	Metal Road				
73	59	59	DP+2	2	22°14'48"RT					JATUA TILA	91°32'22.8"	23°14'45.8"	
						41	41	3047	LT Line, Vill Road				

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:
TechnoFab Engineering Ltd.

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P.G.C.I.L

APPROVED BY:

11.09.17

Biswajit Singha (AET)

M.H. Choudhury
Manager
POWERGRID
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DETAIL POLE SCHEDULE OF "LILO OF EXISTING JOLAIBARI-BAGAFA LINE TO PROPOSED 33 KV MUHURIPUR S/S"

		TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS (WGS-84) EASTING	GPS (WGS-84) NORTHING	REMARKS
		DP+2	2	15°11'8"RT					LATUA TILA	91°33'32.8"	23°14'44.8"	
					42			LT Line, Metal Road				
	60/1	SP+0	0									
					41			Metal Road				
	60/2	SP+4	4									
					38	117	3164	Metal Road, LT Line+33kV				
	61	DP+4	4	41°20'45"LT					LATUA TILA	91°33'33.3"	23°14'40.8"	
					42	42	3206	Metal Road, LT Line+11kv				
62	62	SP+4	4	1°26'41"LT					LATUA TILA	91°33'23.1"	23°14'39.7"	SP WITH ANGLE
					37	37	3243	Metal Road, LT Line+33kv, LT Line				
63	63	DP+4	4	34°57'19"LT					LATUA TILA	91°33'23.9"	23°14'38.7"	
					42	42	3285	Metal Road, LT Line+11kv				
64	64	SP+4	4	2°28'41"LT					LATUA TILA	91°33'25.3"	23°14'38.2"	SP WITH ANGLE
					43							
	64/1	SP+0	0									
					42	85	3370	Vill Road	LATUA TILA	91°33'28.1"	23°14'37.4"	
65	65	DP+0	0	10°44'21"RT								
					39	39	3409	Metal Road	UTTAR MUHURI PUR	91°33'29.3"	23°14'36.8"	SP WITH ANGLE
66	66	SP+0	0	4°46'41"LT								
					44			Metal Road				
	66/1	SP+0	0									
					43							
	66/2	SP+0	0									
					42	129	3538		UTTAR MUHURI PUR	91°33'33.6"	23°14'35.3"	
67	67	DP+2	2	12°6'1"RT								
					42	42	3580	LT Line, Metal Road	UTTAR MUHURI PUR	91°33'34.8"	23°14'34.5"	
68	68	DP+2	2	28°52'34"RT								
					43	43	3623	LT Line, Metal Road	UTTAR MUHURI PUR	91°33'35.5"	23°14'33.3"	
69	69	SP+2	2	42°39'10"RT								
					42			Vill Road, LT Line				
	69/1	SP+2	2									
					42	84	3707		UTTAR MUHURI PUR	91°33'34.7"	23°14'30.7"	SP WITH ANGLE
70	70	SP+0	0	4°46'19"RT								
					38	38	3745	Metal Road	UTTAR MUHURI PUR	91°33'34.3"	23°14'29.5"	
71	71	DP+0	0	30°11'48"LT								
					41	41	3786	Metal Road	UTTAR MUHURI PUR	91°33'34.5"	23°14'28.2"	SP WITH ANGLE
72	72	SP+0	0	9°23'9"RT								
					42	42	3828	Metal Road, LT Line+33kv	UTTAR MUHURI PUR	91°33'34.5"	23°14'26.8"	
73	73	DP+0	0	37°26'8"LT								
					42	42	3870	11kv, LT Line	UTTAR MUHURI PUR	91°33'35.5"	23°14'25.7"	
74	74	DP+0	0	32°28'1"RT								
					42	42	3912	LT Line	UTTAR MUHURI PUR	91°33'36.7"	23°14'24.4"	SP WITH ANGLE
75	75	SP+4	4	8°7'41"RT								
					41							
	75/1	SP+4	4									
					41	83	3995	LT Line+11kv, LT Line	UTTAR MUHURI PUR	91°33'38.7"	23°14'21.7"	SP WITH ANGLE
76	76	SP+4	4	2°38'35"LT								
					35	35	4030		UTTAR MUHURI PUR	91°33'39.7"	23°14'20.6"	
77	77	DP+4	4	18°51'35"LT								
					42	42	4072	LT Line+33kv	UTTAR MUHURI PUR	91°33'38.1"	23°14'19.2"	SP WITH ANGLE
78	78	DP+4	4	2°44'27"LT								
					42	42	4114		UTTAR MUHURI PUR	91°33'38.4"	23°14'17.8"	
79	79	DP+0	0	10°48'44"LT								
					38	38	4152	Metal Road, Nala	UTTAR MUHURI PUR	91°33'37"	23°14'16.8"	
80	80	DP+0	0	15°54'46"RT								
					42	42	4194	Metal Road	UTTAR MUHURI PUR	91°33'37.3"	23°14'15.5"	SP WITH ANGLE
81	81	SP+0	0	6°9'14"LT								
					40							
	81/1	SP+0	0									
					40	80	4274		UTTAR MUHURI PUR	91°33'38.3"	23°14'13"	SP WITH ANGLE
82	82	SP+0	0	5°20'22"LT								
					40	40	4314	Metal Road	UTTAR MUHURI PUR	91°33'39.7"	23°14'11.8"	SP WITH ANGLE
83	83	SP+0	0	7°4'11"RT								
					44							
	83/1	SP+0	0									
					44							USE DP AS A SECTION POLE
	83/2	DP+0	0									
					43							
	83/3	SP+0	0									
					41	173	4486	Vill Road	UTTAR MUHURI PUR	91°33'43.4"	23°14'5.4"	SP WITH ANGLE
84	84	SP+2	2	8°46'40"RT								
					39	39	4525	Metal Road, LT Line	UTTAR MUHURI PUR	91°33'40.6"	23°14'3.2"	SP WITH ANGLE
85	85	SP+2	2	8°15'1"LT								
					42	42	4567	Metal Road	UTTAR MUHURI PUR	91°33'41"	23°14'1.8"	
86	86	DP+0	0	13°58'16"RT								
					40	40	4607	Metal Road	UTTAR MUHURI PUR	91°33'41.1"	23°14'2.5"	ON LINE
87	87	DP+0	0	12°43'0"LT								
					39	39	4646	Metal Road	UTTAR MUHURI PUR	91°33'41.4"	23°14'1.3"	SP WITH ANGLE
88	88	DP+0	0	5°37'4"RT								
					42	42	4688					

Hold

Hold

Hold

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY: TechnoFab Engineering Ltd.

CHECKED BY: P.G.C.I.L

Bishojit Singha

11.09.12

M.H. Choudhury
Manager
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APPROVED BY:

			TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	EASTING	NORTHING	
			DP+0	3	10°46'14"RT					UTTAR MUHURI PUR	91°33'41.7"	23°13'60"	
						39	39	4727		UTTAR MUHURI PUR	91°33'41.1"	23°13'58.7"	SP WITH ANGLE
			SP+2	2	2°57'56"LT				Metal Road, Vill Road, LT Line				
						38	38	4765		MUHURI PUR	91°33'41.7"	23°13'57.5"	SP WITH ANGLE(ON LINE)
		91	SP+2	2	2°57'57"LT								
						42							
		91/1	SP+0	0									
						42							
		91/2	DP+0	0									
						42	126	4891	Vill Road	MUHURI PUR	91°33'42.2"	23°13'55.4"	SP WITH ANGLE(ON LINE)
	92	92	D/C SP+0	0	4°41'16"RT				Vill Road				ON LINE
						43							
		92/1	D/C SP+0	0									
						43	86	4977	Vill Road	MUHURI PUR	91°33'42.3"	23°13'50.8"	ON LINE
	93	93	D/C DP+0	0	18°31'23"LT								
						40	40	5017	Vill Road	MUHURI PUR	91°33'42.7"	23°13'48.4"	SP WITH ANGLE
122	94	94	SP+0	0	8°51'47"RT								
						42	42	5059	Metal Road, Vill Road	MUHURI PUR	91°33'43.1"	23°13'48.1"	SP WITH ANGLE
123	95	95	SP+0	0	2°51'17"LT								
						43							
124		95/1	SP+4	4									
						43			11Kv+LT Line, Vill Road				
125		95/2	SP+4	4									
						42	128	5187	Vill Road	MUHURI PUR	91°33'44.2"	23°13'44"	
126	96	96	SP+0	0	8°51'21"LT								
						42							
127		96/1	SP+0	3									
						42	84	5271	Metal Road	MUHURI PUR	91°33'45.3"	23°13'41.5"	
128	97	97	DP+0	0	2°46'18"LT								
						45							
		97/1	SP+4	4									
						42	83	5354	11Kv+LT Line, LT Line	MUHURI PUR	91°33'47.5"	23°13'38.8"	SP WITH ANGLE
130	98	98	SP+4	4	8°40'13"RT								
						42	41	5396	Metal Road	MUHURI PUR	91°33'48.0"	23°13'36.7"	
131	99	99	DP+4	4	32°35'16"RT								
						42	42	5438	Metal Road, 11Kv+LT Line	MUHURI PUR	91°33'49.2"	23°13'37.5"	
132	100	100	DP+4	4	19°57'31"LT								
						42	42	5480	Metal Road	MUHURI PUR	91°33'50.3"	23°13'36.6"	SP WITH ANGLE(ON LINE)
133	101	101	D/C SP+0	0	8°39'14"RT								
						42	42	5522		MUHURI PUR	91°33'51.8"	23°13'35.6"	SP WITH ANGLE(ON LINE)
134	102	102	D/C SP+0	0	1°36'49"RT								
						42	42	5564	Metal Road	MUHURI PUR	91°33'52.2"	23°13'34.5"	SP WITH ANGLE
135	103	103	SP+0	0	1°44'15"RT								
						40	40	5604		MUHURI PUR	91°33'53.1"	23°13'33.5"	SP WITH ANGLE
136	104	104	SP+4	4	9°42'18"LT								
						38	38	5642	Metal Road, 11Kv+LT Line	MUHURI PUR	91°33'54.1"	23°13'32.7"	
137	105	105	DP+4	4	10°36'34"RT								
						36	36	5678		MUHURI PUR	91°33'54.8"	23°13'31.7"	
138	106	106	DP+0	0	10°45'12"LT								
						29	29	5707	Metal Road	MUHURI PUR	91°33'55.8"	23°13'31.4"	ON LINE
139	107	107	DP+4	4	24°50'40"LT								
						34	34	5741	2Nos Metal Road, LT Line	MUHURI PUR	91°33'56.8"	23°13'31.4"	
140	108	108	DP+4	4	19°44'17"RT								
						40			Metal Road, 11Kv				
		108/1	SP+4	4									
						42							
142		108/2	SP+0	0									
						42							
143		108/3	SP+0	0					11Kv+LT Line				
						42							
144		108/4	SP+0	0									
						38	205	5946		MUHURI PUR	91°34'4"	23°13'30.7"	SP WITH ANGLE
145	109	109	SP+0	0	0°55'44"LT								
						42	42	5988		MUHURI PUR	91°34'5.5"	23°13'29.6"	
146	110	110	DP+0	0	80°26'9"LT								
						42	42	6030		MUHURI PUR	91°34'6"	23°13'31.1"	ON LINE
147	111	111	D/C DP+0	0	17°25'19"LT								
						44							ON LINE
148		111/1	D/C SP+0	0									
						42	86	6116		MUHURI PUR	91°34'6.1"	23°13'33.9"	SP WITH ANGLE(ON LINE)
149	112	112	D/C SP+0	0	5°26'42"RT								
						43							ON LINE
150		112/1	D/C SP+4	4									
						42	85	6201	2Nos 11Kv	MUHURI PUR	91°34'6.5"	23°13'36.8"	ON LINE
151	113	113	D/C DP+4	4	23°48'34"LT								
						42	42	6243	11Kv	MUHURI PUR	91°34'6.2"	23°13'37.9"	SP WITH ANGLE
152	114	114	SP+4	4	8°59'12"LT								
						41	41	6284	Vill Road	MUHURI PUR	91°34'5.6"	23°13'39.1"	
153	115	115	DP+0	0	28°55'12"RT								
						40							

Hold

Hold

Hold

Hold

TECHNOFAB ENGINEERING TRIPURA

Rmish

SUBMITTED BY:
TechnoFab Engineering Ltd.

Biswajit Singha (AET)

CHECKED BY:
P.G.C.I.L

11.09.17

M.H. Choudhury
Chief Manager
POWERGRID
NER/NERPSIP
Agartala

APPROVED BY:

DETAIL POLE SCHEDULE OF "LILO OF EXISTING JOLAIBARI-BAGAFA LINE TO PROPOSED 33 KV MUHURIPUR S/S"

			TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMUTV. LENGTH	CROSSING	VILLAGE NAME	GPS (WGS-84) EASTING	GPS (WGS-84) NORTHING	REMARKS
		[illegible]	SP+0	0	Hold	40	80	6364		MUHURI PUR	91°34'5.8"	23°13'41.7"	
		116	DP+4	4	25°16'43"RT	41	41	6400	11Kv LT Line	MUHURI PUR	91°34'6.0"	23°13'42.9"	
		117	DP+4	4	23°0'11"RT	41	41	6446		MUHURI PUR	91°34'7.6"	23°13'43.7"	
		118	DP+0	0	11°57'42"LT	35	35	6481		MUHURI PUR	91°34'8.4"	23°13'44.6"	
	119	119	DP+4	4	27°44'58"LT	39	39	6520		MUHURI PUR	91°34'9.7"	23°13'45.8"	ON LINE
	120	120	D/C DP+4	4	30°32'11"LT	42	42	6562		MUHURI PUR	91°34'8.2"	23°13'47.1"	
	121	121	DP+4	4	59°29'15"RT	38	38	6600	Metal Road, 11Kv, LT Line	MUHURI PUR	91°34'9.1"	23°13'48.1"	
161	122	122	DP+0	0									

Hold

Pole schedule with normal height (+0 m) which are within the permissible limit of span and which are within the permissible angle of deviation are approved. All crossings, pole extensions, poles where individual span has crossed the limit and whose angle of deviation has crossed the max^m limit are put on hold. Detail profile to be submitted for the above crossings and violations.

12/9/2017
(S.I.Lt)

11.09.17

TECHNOFAB ENGINEERING TRIPURA

Biswajit Singha (AET)

M.H. Choudhury
Manager
POWERGRID
/NERPSIP
/Belonia.

SUBMITTED BY:
TechnoFab Engineering Ltd.

CHECKED BY:
P.G.C.I.L.

APPROVED BY:

LOOP IN POLE SUMMARY DETAILS

Tripura state associated with NER power system improvement project.(DMS PACKAGE-01)

TRI-DMS-01(3603) CC-CS/86-NER/REW-2984/1/G2/NOA-1/7166 & 7167. DATE:-22.02.2017

LINE NAME-LILO OF 33 KV OF EXISTING JOLAIBARI-BAGAFA LINE TO PROPOSED

TOTAL LINE LENGTH - ~~15.543KM.~~ 15.683 KM Biswajit Singha (AET)

SL.NO.	TYPE OF POLE	EXT. (M)	TABULAR POLE				REMARKS
			POLE QT	NORMAL POLE 12 MTRS	14 MTRS Extn POLE (12M +2M Extn)	16 MTRS Extn POLE (12M +4M Extn)	
1	SP GA-01	0	20	20/10			
2		2	1		1		
3		4	10			10	
4	SP GA-02	0	19	19/4			
5		2	5		5		
6		4	~~19~~ 20			20	
7	DP GA-03	0	24	48/14			
8		2	18		36		
9		4	20			40	
10	FP GA-04	0	1	4			
11		2	0		0		
12		4	0			0	
13	SP (DOUBLE CKT.)GA-05	0	8	8			
14		2	0		0		
15		4	3			3	
16	DP (DOUBLE CKT.)GA-06	0	6	12			
17		2	2		4		
18		4	3			6	
19	FP (DOUBLE CKT.)GA-07	0	-				
20		2	-				
21		4	-				
	TOTAL :-			111/82	46	79	

GRAND TOTAL NOS OF POLE=112(12 M POLE) +46 (14 M POLE)+78 (16 M POLE) = 236 NOS

TRIPURA ENGINEERING LIMITED TECHNOGAB

Biswajit Singha (AET)

11.09.17

एम. एच. चौधरी/M.H. Choudhury
प्रबंधक/Manager
पावरग्रिड/POWERGRID
एनईआरपीएसआईपी/NERPSIP

LINE LINK :- EXISTING JOLAI BARI TO BAGAFA LINE LILO AT PROPOSEDMUHURI S/S(LOOP IN)				
Sl. No.	**Description**	**Unit**	**Quantity**	**Remarks**
A	***Pole height***			
1	0 Extenion	111 / 32		32 poles of (+0m) extn are approved.
2	2 m extension	46		
3	4 m extension	~~78~~ 79		
B	***Crossings***			
1	11 KV Crossing	33		
	LT Line	46		
2	NH Crossing	—		
3	33 KV Crossing	—		
C	***River Crossing***	—		
D	***Nala Crossing***	2		
E	***Road Crossing***			
1	*Matel Road*	62		
2	*Village Road*	27		
F	*Span voilation*	—		
G	angle voilation	—		

Note: We have approved 12 M pole drawing (0 M extension) and we have proposed 14M&16 M extension pole for crossings.

TECHNOFAB ENGINEERING LIMITED TRIPURA

Biswajit Singha (AET)

11.09.17

एम. एच. चौधरी/M.H. Choudhury
प्रबंधक/Manager
पावरग्रिड/POWERGRID
एन.ई.आर.पी.एस.आई.पी./NERPSIP
बेलोनिया/Belonia.

DETAIL POLE SCHEDULE OF "LILO OF EXISTING JOLAIBARI-BAGAFA LINE TO PROPOSED 33 KV MUHURIPUR S/S"

SP NO	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUM.TV. LENGTH	CROSSING	VILLAGE NAME	GPS (WGS-84) EASTING	GPS (WGS-84) NORTHING	REMARKS
1	1	SP+0	0						MUHURI PUR	91°34'9.2"	23°13'47.6"	
				Hold	28	28	28					
2	2	SP+0	0	30°27'9"LT					MUHURI PUR	91°34'8.7"	23°13'47"	
					36	36	64					
3	3	SP+4	4	11°16'17"RT					MUHURI PUR	91°34'9.9"	23°13'46.9"	
					30	30	94	Vill Road, 11kv				
4	4	SP+4	4	20°13'50"RT					MUHURI PUR	91°34'9.9"	23°13'44.9"	
					40	40	134	11kv+LT Line				
5	5	SP+0	0	10°3'45"RT					MUHURI PUR	91°34'8.1"	23°13'43.8"	
					42	42	176					
6	6	SP+0	0	12°50'36"LT					MUHURI PUR	91°34'7"	23°13'42.9"	
					39	39	215					
7	7	SP+0	0	35°5'1"LT					MUHURI PUR	91°34'6.2"	23°13'41.8"	
					42	42	257	11Kv+LT Line				
8	8	D/C DP+0	0	15°33'31"LT					MUHURI PUR	91°34'0"	23°13'40.5"	ONLINE
					41	41	298	11Kv+LT Line				
9	9	SP+4	4	8°10'3"LT					MUHURI PUR	91°34'6.2"	23°13'39.2"	
				Hold	39	39	337	Metal Road, 11kv				
10	10	SP+4	4	13°46'0"RT					MUHURI PUR	91°34'6.0"	23°13'38"	
					40	40	377	LT Line, Metal Road				
11	11	D/C SP+4	4	1°52'16"RT					MUHURI PUR	91°34'6.7"	23°13'36.7"	SP WITH ANGLE (ONLINE)
					42	42	419					
12	12	SP+4	4	7°8'2"LT					MUHURI PUR	91°34'6.6"	23°13'35.3"	SP WITH ANGLE
					44							
13	12/1	SP+0	0						MUHURI PUR			
					44							
14	12/2	SP+0	0						MUHURI PUR			
					44							
15	12/3	SP+0	0						MUHURI PUR			SP WITH ANGLE(ONLINE)
					39	171	590					
16	13	FP+2	2	19°42'44"RT					MUHURI PUR	91°34'6"	23°13'29.8"	
					26	26	616	Metal Road, 2Nos LT Line				
17	14	D/C DP+2	2	27°37'41"RT					MUHURI PUR	91°34'5.1"	23°13'29.6"	ONLINE
					39			Vill Road				
18	14/1	D/C SP+0	0						MUHURI PUR			ONLINE
					40	79	695					
19	15	FP+0	0	104°35'39"LT					MUHURI PUR	91°34'2.4"	23°13'30.2"	
					40	40	735	Metal Road				
20	16	D/C SP+0	0	2°33'56"RT					MUHURI PUR	91°34'2.4"	23°13'29.8"	SP WITH ANGLE
					41			11Kv+LT Line				
21	16/1	D/C SP+0	0	Hold					MUHURI PUR			ONLINE
					41			LT Line				
22	16/2	D/C SP+2	2						MUHURI PUR			ONLINE
					42	124	859	11Kv, LT Line				
23	17	D/C SP+2	2	2°13'17"RT					MUHURI PUR	91°34'2.3"	23°13'04.8"	SP WITH ANGLE (ONLINE)
					31	31	890	Metal Road, 11Kv+LT Line				
24	18	DP+4	4	18°27'4"RT					MUHURI PUR	91°34'2.2"	23°13'23.8"	
					84			Muhuri River				
25	18/1	DP+4	4						MUHURI PUR			USED DP AS A SECTION POLE
					39							
26	18/2	SP+0	0						MUHURI PUR			
					39							
27	18/3	SP+0	0						MUHURI PUR			
					39							
28	18/4	SP+0	0						MUHURI PUR			
					40	241	1131					
29	19	SP+0	0	3°38'38"LT					MUHURI PUR	91°33'59.1"	23°13'16.8"	SP WITH ANGLE
					42			FP				
30	19/1	SP+0	0	Hold					MUHURI PUR			
					42	84	1215	Metal Road				
31	26	DP+0	0	23°23'40"LT					MUHURI PUR	91°33'58.2"	23°13'14"	
					42	42	1257					
32	27	SP+0	0	1°28'7"RT					MUHURI PUR	91°33'58.2"	23°13'12.6"	SP WITH ANGLE
					42	42	1299					
33	28	SP+0	0	1°44'12"LT					MUHURI PUR	91°33'58.1"	23°13'11.3"	SP WITH ANGLE
					42	42	1341					

TECHNOFAB ENGINEERING LTD. TRIPURA

SUBMITTED BY:
TechnoFab Engineering Ltd.

Biswajit Singha (AET)

CHECKED BY:
P.G.C.I.L

11.09.17

Sr. Engr. J.L. Chaudhury
Superintendent
POWERGRID
NERPSIP
Agartala.

APPROVED BY:

	29	29	DP+2	0	18°12'0"LT					MUHURI PUR	91°32'58.2"	23°13'8.8"	
						43			Metal Road				
		29/1	SP+0	0						MUHURI PUR			
						42	85	1835					
	30	30	DP+2	2	15°32'25"LT					MUHURI PUR	91°33'59.7"	23°13'7.3"	
						42	42	1888	LT Line				
37	31	31	DP+2	2	13°14'31"RT					MUHURI PUR	91°34'0.2"	23°13'6.2"	
						42	42	1930	Metal Road				
38	32	32	DP+0	0	15°7'21"RT					MUHURI PUR	91°34'0.8"	23°13'5"	
						42	42	1932					
39	33	33	SP+4	4	4°13'23"RT					MUHURI PUR	91°34'1"	23°13'3.8"	UP WITH ANGLE
						43			2Nos 11Kv				
40		33/1	SP+4	4						MUHURI PUR			
						42	85	1637					
41	34	34	DP+0	0	11°18'56"LT					MUHURI PUR	91°34'1.3"	23°12'0.8"	
						42	42	1679					
42	35	35	SP+0	0	3°49'33"RT					MUHURI PUR	91°34'1.7"	23°12'59.4"	UP WITH ANGLE
						42	42	1721					
43	36	36	SP+0	0	7°28'19"LT					MUHURI PUR	91°34'2"	23°12'58.3"	UP WITH ANGLE
						43	42	1763	Metal Road				
44	37	37	SP+4	4	0°59'27"RT					MUHURI PUR	91°34'2.8"	23°12'57"	UP WITH ANGLE
						42	42	1805	11Kv				
45	38	38	DP+4	4	7°34'13"RT					PASCHIM MUHURIPUR	91°34'3"	23°12'55.7"	UP WITH ANGLE
						43			LT Line				
46		38/1	SP+2	2						PASCHIM MUHURIPUR			
						43							
47		38/2	SP+6	4						PASCHIM MUHURIPUR			
						42			11Kv				
48		38/3	SP+6	4						PASCHIM MUHURIPUR			
						42	170	1975					
49	39	39	DP+0	0	13°15'9"LT					PASCHIM MUHURIPUR	91°34'4.2"	23°12'50.3"	
						42	42	2017	Metal Road, Nala				
50	40	40	DP+0	0	16°12'7"LT					PASCHIM MUHURIPUR	91°34'4.9"	23°12'49"	
						42	42	2059					
51	41	41	DP+0	0	14°10'15"RT					PASCHIM MUHURIPUR	91°34'5.8"	23°12'48"	
						42	42	2101	Metal Road				
52	42	42	DP+2	2	10°28'3"LT					PASCHIM MUHURIPUR	91°34'6.5"	23°12'46.8"	
						42	42	2143	2Nos LT Line, Metal Road				
53	43	43	DP+2	2	17°21'38"LT					PASCHIM MUHURIPUR	91°34'7.8"	23°12'46.1"	
						43							
54		43/1	SP+0	0						PASCHIM MUHURIPUR			
						43							
55		43/2	SP+2	2						PASCHIM MUHURIPUR			
						42	128	2271	LT Line				
56	44	44	SP+2	2	3°50'11"RT					PASCHIM MUHURIPUR	91°34'12.1"	23°12'45"	UP WITH ANGLE
						41	41	2312	Metal Road				
57	45	45	DP+0	0	13°37'58"LT					PASCHIM MUHURIPUR	91°34'13.5"	23°12'44.5"	
						43							
58		45/1	SP+4	4						PASCHIM MUHURIPUR			
						42	85	2397	11Kv				
59	46	46	SP+4	4	2°13'37"RT					PASCHIM MUHURIPUR	91°34'16.4"	23°12'44.3"	UP WITH ANGLE
						42	42	2439	LT Line, Metal Road				
60	47	47	SP+4	4	0°49'20"LT					PASCHIM MUHURIPUR	91°34'17.9"	23°12'44.1"	UP WITH ANGLE
						42							
61		47/1	SP+0	0						PASCHIM MUHURIPUR			
						42	84	2523					
62	48	48	DP+2	2	13°36'3"LT					MAJUNDAR PARA	91°34'20.8"	23°12'43.8"	
						37	37	2560	LT Line, Metal Road				
63	49	49	SP+4	4	6°42'37"RT					MAJUNDAR PARA	91°34'22.1"	23°12'43.8"	UP WITH ANGLE
						37	37	2597					
64	50	50	SP+0	0	9°47'4"RT					MAJUNDAR PARA	91°34'23.4"	23°12'43.8"	UP WITH ANGLE
						50	50	2647	Nala				
65	51	51	SP+4	4	1°28'42"RT					MAJUNDAR PARA	91°34'25.2"	23°12'43.8"	UP WITH ANGLE
						42			LT Line				
66		51/1	SP+4	4						MAJUNDAR PARA			
						42	84	2731					
67	52	52	DP+0	0	16°55'7"RT					MAJUNDAR PARA	91°34'26.1"	23°12'43.8"	
						43							
68		52/1	SP+0	0						MAJUNDAR PARA			
						42							
69		52/2	SP+0	0						MAJUNDAR PARA			
						42	127	2858					
70	53	53	DP+0	0	7°49'53"RT					MAJUNDAR PARA	91°34'32.1"	23°12'42"	UP WITH ANGLE
						43							
71		53/1	SP+0	0						MAJUNDAR PARA			
						42	85	2943					
72	54	54	SP+4	4	5°44'7"LT					MAJUNDAR PARA	91°34'34.9"	23°12'40.7"	UP WITH ANGLE
						42	42	2985	LT Line				
73	55	55	SP+4	4	1°13'56"RT					MAJUNDAR PARA	91°34'36.2"	23°12'40.1"	UP WITH ANGLE
						40	40	3025	11Kv, Metal Road				

Hold

Hold

Hold

Hold

CHANDFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY: TechnoFab Engineering Ltd.

CHECKED BY: P.G.C.I.L

Biswajit Singha (AET)

11.09.17

M.H. Choudhury Manager POWERGRID NERPSIP Belonia

APPROVED BY:

	56	DP+4	4	10°29'9"LT					MAJUNDAR PARA	91°34'37.7"	23°12'39.5"	
					42			Metal Road				
	56/1	SP+4	4	Hold					MAJUNDAR PARA			
					42	84	3109	V/I Road, LT Line				
57	57	SP+4	4	4°8'7"RT					MAJUNDAR PARA	91°34'40.4"	23°12'39.8"	SP WITH ANGLE
					42	42	3151	11Kv				
58	58	DP+4	4	14°0'3"LT					MAJUNDAR PARA	91°34'41.9"	23°12'39.8"	
					42	42	3193					
59	59	SP+4	4	2°41'28"LT					MAJUNDAR PARA	91°34'43.2"	23°12'40.2"	SP WITH ANGLE
					42	42	3235	2Nos 11Kv, Metal Road				
60	60	SP+4	4	1°56'20"RT					MAJUNDAR PARA	91°34'44.7"	23°12'40.6"	SP WITH ANGLE
					42							
	60/1	SP+0	0						MAJUNDAR PARA			
					42	84	3319					
61	61	DP+4	4	27°29'12"RT					MAJUNDAR PARA	91°34'47.7"	23°12'41"	
				Hold	43	41	3360	Metal Road, V/I Road, LT Line, 11Kv				
62	62	DP+4	4	13°8'53"LT					MADHYA PILLAK	91°34'49"	23°12'40.8"	
					43							
	62/1	SP+0	0						MADHYA PILLAK			
					42							
	62/2	SP+0	0						MADHYA PILLAK			
					42							
	62/3	SP+0	0						MADHYA PILLAK			
					42	169	3529					
63	63	SP+0	0	2°38'27"LT					MADHYA PILLAK	91°34'55"	23°12'40.1"	SP WITH ANGLE
					42	42	3571					
64	64	DP+0	0	6°46'1"LT					MADHYA PILLAK	91°34'56.4"	23°12'40"	
					42							
	64/1	SP+0	0	Hold					MADHYA PILLAK			
					42	84	3655					
65	65	DP+4	4	20°13'42"LT					MADHYA PILLAK	91°34'59.4"	23°12'40.3"	
					38	38	3693	Metal Road, 11Kv				
66	66	DP+4	4	23°5'8"LT					MADHYA PILLAK	91°35'0.6"	23°12'40.7"	
					38	38	3731	Nala				
67	67	DP+0	0	40°4'7"LT					MADHYA PILLAK	91°35'1.6"	23°12'41.6"	
					40	40	3771	Metal Road				
68	68	SP+0	0	4°5'5"RT					MADHYA PILLAK	91°35'1.6"	23°12'42.8"	SP WITH ANGLE
					42	42	3813	11Kv, LT Line+11Kv				
69	69	SP+0	0	8°28'31"RT					MADHYA PILLAK	91°35'1.7"	23°12'44.3"	SP WITH ANGLE
					42	42	3855	Metal Road				
70	70	DP+4	4	11°29'50"LT					MADHYA PILLAK	91°35'2.1"	23°12'45.6"	
					42	42	3897	11Kv, LT Line, Metal Road				
71	71	D/C DP+4	4	11°9'23"RT					MADHYA PILLAK	91°35'2"	23°12'47"	ONLINE
					40	40	3937	LT Line				
72	72	DP+2	2	63°18'14"RT					MADHYA PILLAK	91°35'2.4"	23°12'48.2"	
					42	42	3979	V/I Road, LT Line				
73	73	DP+2	2	29°32'31"RT					MADHYA PILLAK	91°35'3.6"	23°12'48.5"	
					42	42	4021	Metal Road				
74	74	DP+2	2	11°33'30"LT					MADHYA PILLAK	91°35'5.2"	23°12'48"	
					42	42	4063	LT Line, Metal Road				
75	75	DP+2	2	25°25'58"RT					MADHYA PILLAK	91°35'6.7"	23°12'47.8"	
					39	39	4102	LT Line				
76	76	SP+4	4	9°29'34"RT					MADHYA PILLAK	91°35'7.8"	23°12'47.2"	SP WITH ANGLE
					42	42	4144	Metal Road, LT Line				
77	77	DP+2	2	27°26'28"RT					MADHYA PILLAK	91°35'8.9"	23°12'46.2"	
					44							
	77/1	SP+0	0						MADHYA PILLAK			
					43	87	4231					
78	78	DP+0	0	10°11'26"RT					PASCHIM PILLAK	91°35'12"	23°12'43.6"	
					42			Metal Road				
	78/1	SP+0	0	Hold					PASCHIM PILLAK			
					43	85	4316					
79	79	DP+4	4	72°54'38"LT					PASCHIM PILLAK	91°35'10.3"	23°12'43.8"	
					41	41	4357	Metal Road, 11KV				
80	80	DP+4	4	14°12'54"LT					PASCHIM PILLAK	91°35'11.7"	23°12'43.6"	
					42	42	4399					
81	81	D/C DP+4	4	26°29'48"RT					PASCHIM PILLAK	91°35'13.2"	23°12'43.8"	ONLINE
					42	42	4441	LT Line+11Kv, Metal Road				
82	82	DP+4	4	28°46'3"LT					PASCHIM PILLAK	91°35'14.6"	23°12'43.4"	
					42	42	4483					
83	83	SP+0	0	8°18'0"LT					PASCHIM PILLAK	91°35'16"	23°12'43.8"	SP WITH ANGLE (ONLINE)
					42	42	4525					
84	84	SP+4	4	11°42'35"RT					PASCHIM PILLAK	91°35'17.4"	23°12'41"	
				Hold	43	43	4567	2Nos LT Line+11Kv, Metal Road, V/I Road				
85	85	DP+4	4	12°17'48"LT					PASCHIM PILLAK	91°35'18.8"	23°12'41.2"	
					44			LT Line				
	85/1	SP+2	2						PASCHIM PILLAK			
					42	86	4653					
86	86	DP+4	4	27°26'1"LT					PASCHIM PILLAK	91°35'21.8"	23°12'42"	
					37	37	4690	Metal Road, 11Kv				

SUBMITTED BY:
TechnoFab Engineering Ltd.

CHECKED BY:
P.G.C.I.L

Biswajit Singha
(AE T).

11.09.17
M.H. Choudhury
Manager
POWERGRID
NERPSIP

APPROVED BY:

DETAIL POLE SCHEDULE OF "LILO OF EXISTING JOLAIBARI-BAGAFA LINE TO PROPOSED 33 KV MUHURIPUR S/S"

	87	DP+4	4	30°4'12"LT	42	42	4732		PASCHIM PILLAR	91°35'22.7"	23°12'42.8"		
	88	DP+4	4	21°49'20"RT	40			Metal Road, 11Kv	PASCHIM PILLAR	91°35'22.8"	23°12'44.2"		
	88/1	SP+4	4		39	74	4811	Metal Road	PASCHIM PILLAR				
117	89	DP+0	0	50°20'37"RT	42	42	4819		PASCHIM PILLAR	91°35'24.6"	23°12'46.7"		
118	90	DP+0	0	16°40'6"RT	42			Metal Road	PASCHIM PILLAR	91°35'25.9"	23°12'48.4"		
119	90/1	SP+0	0		42	84	4897		PASCHIM PILLAR				
120	91	D/C SP+4	4	4°48'53"LT	42	43	4979	LT Line, 11Kv, Metal Road	PASCHIM PILLAR	91°35'28.8"	23°12'49.9"	SP WITH ANGLE (ONLINE)	
121	92	DP+4	4	35°23'4"LT	44				PASCHIM PILLAR	91°35'30.3"	23°12'45.7"		
122	92/1	SP+0	4		45	87	5066	Metal Road, 11Kv	PASCHIM PILLAR				
123	93	DP+4	4	25°38'48"LT	42	42	5108	Metal Road, 11Kv	PASCHIM PILLAR	91°35'33"	23°12'47"		
124	94	DP+4	4	23°20'2"RT	44			Metal Road, 11Kv	PASCHIM PILLAR	91°35'33.9"	23°12'48.1"		
125	94/1	SP+0	0		45	87	5195	Metal Road	PASCHIM PILLAR				
126	95	DP+0	0	40°43'15"RT	42	42	5237		PASCHIM PILLAR	91°35'36.6"	23°12'49.5"		
127	96	DP+0	0	10°37'6"LT	42	42	5279	Metal Road	PASCHIM PILLAR	91°35'38.1"	23°12'49.8"		
128	97	DP+0	0	21°48'29"LT	43			Metal Road	PASCHIM PILLAR	91°35'39.5"	23°12'49.2"		
129	97/1	SP+4	4	Hold	43	86	5365	LT Line	PASCHIM PILLAR				
130	98	SP+4	4	6°35'29"RT	42	42	5407	Metal Road	PASCHIM PILLAR	91°35'42.4"	23°12'50.1"	SP WITH ANGLE	
131	99	SP+0	0	9°50'25"RT	42	42	5449	Metal Road	PASCHIM PILLAR	91°35'43.8"	23°12'50.9"	SP WITH ANGLE	
132	100	SP+4	4	8°4'22"LT	42	42	5491	2Nos 11Kv, Metal Road	PASCHIM PILLAR	91°35'45.3"	23°12'50.7"	SP WITH ANGLE	
133	101	SP+4	4	9°28'19"LT	39	39	5524	Metal Road	PASCHIM PILLAR	91°35'46.7"	23°12'51.2"	SP WITH ANGLE	
134	102	D/C DP+4	4	27°0'55"LT	42	42	5566	Metal Road	PASCHIM PILLAR	91°35'47.7"	23°12'51.7"	ONLINE	
135	103	DP+4	4	12°48'50"RT	42	42	5608		PASCHIM PILLAR	91°35'48.9"	23°12'52.8"		
136	104	DP+4	4	2°54'54"LT	41			LT Line+11Kv	PASCHIM PILLAR	91°35'49.9"	23°12'53.7"	SP WITH ANGLE	
137	104/1	SP+4	4		41	82	5680		PASCHIM PILLAR				
138	105	DP+4	4	27°18'28"RT	42			Metal Road, 11Kv+LT Line	PASCHIM PILLAR	91°35'51.5"	23°12'56.7"		
139	105/1	SP+4	4		43	86	5775	LT Line	PASCHIM PILLAR				
140	106	DP+4	4	0°48'17"RT	42	42	5817		PASCHIM PILLAR	91°35'54.4"	23°12'58.6"	SP WITH ANGLE	
141	107	DP+4	4	22°36'14"LT	42			Metal Road, 11Kv+LT Line	PALLIMANGAL PARA	91°35'55.8"	23°12'57"		
142	107/1	SP+4	4		42	84	5901		PALLIMANGAL PARA				
143	108	DP+4	4	1°15'7"RT	41			LT Line, Metal Road	PALLIMANGAL PARA	91°35'58"	23°12'58.9"	SP WITH ANGLE	
144	109/1	SP+4	4		41	82	5983	Metal Road, LT Line	PALLIMANGAL PARA				
145	109	DP+2	2	44°46'11"RT	41	41	6024		PALLIMANGAL PARA	91°36'0.4"	23°13'0.4"		
146	110	SP+0	0	1°42'56"LT	42	42	6066		PALLIMANGAL PARA	91°36'1.8"	23°13'0.1"	SP WITH ANGLE	
147	111	SP+4	4	11°36'35"RT	42	42	6108	2Nos LT Line	PALLIMANGAL PARA	91°36'3.3"	23°12'59.9"	SP WITH ANGLE	
148	112	D/C SP+4	4	1°55'13"RT	41	41	6149	LT Line	PALLIMANGAL PARA	91°36'4.7"	23°12'59.7"	ONLINE	
149	113	DP+2	2	36°0'18"LT	42	42	6191	Metal Road	PALLIMANGAL PARA	91°36'6.1"	23°12'58.4"		
150	114	DP+0	0	15°7'48"RT	42	42	6233	Metal Road	PALLIMANGAL PARA	91°36'7.5"	23°13'0"		
151	115	DP+4	4	11°54'50"LT	43			2Nos 11Kv, Metal Road	PALLIMANGAL PARA	91°36'8.8"	23°13'0.2"		
152	115/1	SP+4	4	Hold	42	85	6318		PALLIMANGAL PARA	91°36'11.7"	23°13'1.2"		
153	116	DP+2	2	69°12'6"RT	42	42	6360	Metal Road, LT Line					

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY: TechnoFab Engineering Ltd.

CHECKED BY: P.G.C.I.L

Biswajit Singha (AE T)

APPROVED BY: 11.09.17 H. Choudhury Manager POWERGRID NERPSIP Agartala Colonia.

DETAIL POLE SCHEDULE OF "LILO OF EXISTING JOLAIBARI-AGARTALA

Hold

	117	DP+4	4	18°54'10"LT	42	42	6402	Metal Road, 11kv, LT Line	PALUMANGAL PARA	91°36'13.2"	23°13'5"	
	118	DP+4	4	21°27'50"RT	42	42	6444		PALUMANGAL PARA	91°36'14.6"	23°13'1.1"	
	119	DP+0	0	14°58'10"LT	43	42	6486		PALUMANGAL PARA	91°36'16.1"	23°12'0.9"	
	120	DP+4	4	22°15'54"RT	42	42	6528	11kv, LT Line, Metal Road	PALUMANGAL PARA	91°36'17.6"	23°12'1"	
	120/1	D/C SP+4	4	Hold	42			Metal Road, 11kv	PALUMANGAL PARA			ONLINE
	120/2	SP+4	4		54	86	6624	11kv, LT Line, Nala, Metal Road	PALUMANGAL PARA			
	121	DP+4	4	46°39'25"LT	42	42	6666		PALUMANGAL PARA	91°36'22.3"	23°12'0.1"	
	122	DP+4	4	49°28'16"RT	40	40	6706	Metal Road, 11kv+LT Line	SANTINIKATAN PARA	91°36'23.6"	23°12'0.6"	
	123	DP+4	4	21°45'34"RT	41	41	6747	Metal Road, 11kv+LT Line	SANTINIKATAN PARA	91°36'24.8"	23°12'0.8"	
	124	DP+4	4	36°54'12"LT	42				SANTINIKATAN PARA	91°36'25.6"	23°12'58.7"	
	124/1	D/C SP+4	4	Hold	42	85	6832	11kv	SANTINIKATAN PARA			ONLINE
	125	D/C SP+4	4	8°32'33"LT	63			Vill Road, LT Line	SANTINIKATAN PARA	91°36'28.8"	23°12'59.6"	SP WITH ANGLE (ONLINE)
	125/1	D/C SP+4	4		45				SANTINIKATAN PARA			ONLINE
	125/2	SP+0	0	Hold	43	126	6960		SANTINIKATAN PARA			
	126	DP+2	2	4°53'35"LT	42	42	7002	LT Line	SANTINIKATAN PARA	91°36'33.4"	23°12'60"	
	127	SP+4	4	21°37'38"LT	42	42	7044	Metal Road, LT Line	SANTINIKATAN PARA	91°36'34.9"	23°12'0.2"	
	128	SP+4	4	1°45'13"RT	45			2Nos LT Line, 11kv	SANTINIKATAN PARA	91°36'36.3"	23°12'0.8"	SP WITH ANGLE
	128/1	SP+4	4		43	86	7130		SANTINIKATAN PARA			
	129	DP+0	0	15°1'10"LT	42	42	7172		SANTINIKATAN PARA	91°36'38.3"	23°12'1"	
	130	SP+0	0	7°46'46"RT	45				SANTINIKATAN PARA	91°36'40.6"	23°12'1.8"	SP WITH ANGLE
	130/1	SP+0	0		43	88	7258		SANTINIKATAN PARA			
	131	DP+2	2	12°45'7"RT	41	41	7299	2Nos LT Line, Metal Road	SANTINIKATAN PARA	91°36'43.5"	23°12'2.4"	
	132	SP+2	2	7°45'15"LT	42			LT Line	JOLAIBARI	91°36'44.9"	23°12'2"	SP WITH ANGLE
	132/1	SP+2	2	Hold	42	84	7383	LT Line, Vill Road	JOLAIBARI			
	133	DP+4	4	12°57'46"LT	40	40	7423	11kv, LT Line, Metal Road	JOLAIBARI	91°36'47.9"	23°12'1.7"	
	134	D/C DP+4	4	12°55'15"RT	42	42	7465	11kv, Metal Road	JOLAIBARI	91°36'49.2"	23°12'2"	ONLINE
	135	D/C DP+4	4	10°22'32"RT	41	41	7506	2Nos LT Line, 11kv	JOLAIBARI	91°36'50.7"	23°12'2.1"	ONLINE
	136	DP+4	4	20°45'18"RT	43	43	7549	11kv, LT Line	JOLAIBARI	91°36'52.1"	23°12'1.9"	
	137	D/C SP+4	4	9°48'30"RT	42	42	7591	LT Line+11kv	JOLAIBARI	91°36'52.3"	23°12'0.6"	SP WITH ANGLE (ONLINE)
	138	SP+4	4	4°56'47"RT	36	36	7627		JOLAIBARI	91°36'52.2"	23°12'59.1"	SP WITH ANGLE
	139	DP+0	0	1°6'6"RT	44			LT line	JOLAIBARI	91°36'52"	23°12'58"	SP WITH ANGLE
	139/1	SP+0	0		44			Nala	JOLAIBARI			
	139/2	SP+0	0	Hold	45	131	7758	LT Line+11kv	JOLAIBARI			
	140	DP+0	0	4°25'30"RT	44				JOLAIBARI	91°36'51.4"	23°12'53.8"	
	140/1	SP+0	0		44			11kv+LT Line	JOLAIBARI			
	140/2	SP+0	0		44				JOLAIBARI			
	140/3	SP+0	0		42	174	7932		JOLAIBARI			

TECHNOFAB ENGINEERING LTD. TRIPURA

SUBMITTED BY:
Technofab Engineering Ltd

CHECKED BY:
P.G.C.I.L

Biswajit Singha (AET)

11.09.17

Sr. Manager
POWERGRID
NERPSIP
Salonia.

APPROVED BY:

		141	DP+0	0	54°37'52"LT				Metal Road, Boundary	JOLABARI	91°36'50.1"	23°12'48.2"	
						40							
		141/1	SP+0	0						JOLABARI			
						24	64	7996	NH-44 Bypass, 11Kv+LT Line				
183	142	142	DP+0	0	88°5'5"LT					JOLABARI	91°36'51.6"	23°12'46.7"	
						44							
184		142/1	SP+0	0						JOLABARI			
						44							
185		142/2	SP+0	0						JOLABARI			
						44							
186		142/3	SP+0	0						JOLABARI			
						42			Metal Road, LT Line				
187		142/4	DP+0	0						JOLABARI			
						44							
188		142/5	SP+0	0						JOLABARI			
						44							
189		142/6	SP+0	0						JOLABARI			USED SP AS A SECTION POLE
						44							
200		142/7	SP+0	0						JOLABARI			
						44	950	8344					
201	143	143	DP+0	0	0°17'19"LT					JOLABARI	91°37'1.3"	23°12'53.7"	SP WITH ANGLE
						42	42	8388	11Kv				
202	144	144	SP+0	0	0°14'5.9"LT					JOLABARI	91°37'2.3"	23°12'54.7"	SP WITH ANGLE
						44	44	8432					
203	145	145	SP+0	0	4°0'32"LT					JOLABARI	91°37'3.2"	23°12'55.8"	SP WITH ANGLE
						42	42	8474	11Kv				
204	146	146	DP+0	0	14°34'55"LT					JOLABARI	91°37'4"	23°12'57"	SP WITH ANGLE
						44			11Kv				
205		146/1	SP+0	0						JOLABARI			
						43	87	8561					
206	147	147	DP+0	0	10°53'38"LT					JOLABARI	91°37'4.9"	23°12'58.7"	
						44	44	8605					
207	148	148	SP+0	0	9°11'27"LT					JOLABARI	91°37'5.1"	23°13'1.2"	SP WITH ANGLE
						44							
208		148/1	SP+0	0						JOLABARI			
						44	88	8693					
209	149	149	DP+0	0	13°35'39"LT					JOLABARI	91°37'5"	23°13'4"	
						44							
210		149/1	SP+0	0						JOLABARI			
						44							
211		149/2	SP+0	0						JOLABARI			
						44							
212		149/3	SP+0	0						JOLABARI			
						44	176	8869					
213	150	150	SP+0	0	9°3'24"LT					JOLABARI	91°37'3.3"	23°13'9.5"	SP WITH ANGLE
						37	37	8909					
214	151	151	DP+0	0	12°26'33"LT					JOLABARI	23°13'10.7"	91°37'2.9"	
						32	32	8938	NH 44 BY PASS				
215	152	152	DP+2	2	23°9'56"LT					JOLABARI	23°13'11.3"	91°37'2"	
						32	32	8970	11Kv				
216	153	153	SP+4	4	6°52'2"LT					JOLABARI	23°13'11.6"	91°37'0.9"	
						31	31	9001	66Kv, 11Kv				
217	154	154	DP+2	0	60°34'5"LT					JOLABARI	23°13'11.7"	91°36'59.8"	
						42	42	9043					
218	155	155	SP+4	4	0°45'0"LT					JOLABARI	23°13'10.4"	91°36'58.9"	
						40	40	9083	2Nos 11Kv				
219	156	156	DP+0	0						JOLABARI	23°13'9.3"	91°36'58.1"	

Hold

Hold

Hold

Hold

Pole schedule with normal height (+0 m) which are within the permissible limit of span and which are with in the permissible angle of deviation are approved. All crossings, pole extensions, poles where individual span has crossed the limit and whose angle of deviation has crossed the max^m limit are put on hold. Detail profile to be submitted for the above crossings and Violations.

11.09.17

TECHNO ENGINEERING LIMITED TRIPURA

Biswajit Singha (AET)

SUBMITTED BY:
TechnoFab Engineering Ltd.

CHECKED BY:
P.G.C.I.L

APPROVED BY:

LOOP OUT POLE SUMMARY DETAILS

Tripura state associated with NER power system improvement project.(DMS PACKAGE-01)

TRI-DMS-01(3603) CC-CS/86-NER/REW-2984/1/ G2/NOA-1/7166 & 7167. DATE:-22.02.2017

LINE NAME-LILO OF 33 KV EXISTING JOLAIBARI-BAGAFA LINE TO PROPOSED

TOTAL LINE LENGTH - ~~15.543KM~~ 15.683 KM Biswajit Singha (AET)

SL.NO.	TYPE OF POLE	EXT. (M)	TABULAR POLE				REMARKS
			POLE QT	NORMAL POLE 12 MTRS	14 MTRS Extn POLE (12M +2M Extn)	16 MTRS Extn POLE (12M +4M Extn)	
1	SP(GA-01)	0	41	41/26			
2		2	4		4		
3		4	15			15	
4	SP(GA-02)	0	17	17/10			
5		2	2		2		
6		4	27			27	
7	DP(GA-03)	0	36/12	~~70~~ 72/24			
8		2	15		30		
9		4	35			70	
10	FP(GA-04)	0	3	12			
11		2	2		8		
12		4	2			8	
13	SP (DOUBLE CKT.)GA-05	0	3	3			
14		2	2		2		
15		4	8			8	
16	DP (DOUBLE CKT.)GA-06	0	1	2			
17		2	1		2		
18		4	5			10	
19	FP (DOUBLE CKT.)GA-07	0	-				
20		2	-				
21		4	-				
	TOTAL :-			~~145~~ 147	48	138	

GRAND TOTAL NOS OF POLE=~~148~~ 147(12 M POLE) + 48(14 M POLE)+138 (16 M POLE) = ~~331~~ NOS 333 NOS

Biswajit Singha (AET).

11.09.17

Dy. G.M. (P&M) H. Choudhury
Manager
POWERGRID

LINE LINK :- EXISTING JOLAI BARI TO BAGAFA LINE LILO AT PROPOSEDMUHURI S/S(LOOP OUT)				
Sl. No.	Description	Unit	Quantity	Remarks
A	***Pole height***			
1	0 Extenion	~~146~~ 147		60 poles of (10 m extn) are approved.
2	2 m extension	48		
3	4 m extension	138		
B	***Crossings***			
1	11 KV Crossing	58		
	LT Line Crossing	~~63~~ 66		
	66KV Crossing	2		
2	NH Crossing	3 ~~8~~ ~~2~~		
3	33 KV Crossing	—		
C	***River Crossing***	1		
D	***Nala Crossing***	3		
E	***Road Crossing***			
1	*Matel Road*	66		
2	*Village Road*	8		
F	*Span voilation*	~~2~~ 1		
G	angle voilation	1		
Note:	We have approved 12 M pole drawing (0 M extension) and we have proposed 14M&16 M extension pole for crossings.			

Biswajit Singha (AET)

11.09.17

M.H. Choudhury
Manager
POWERGRID
NERPSIP

LINK NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED SRINAGAR S/S				
S.No.	Description	Unit	Quantity	Remarks
A	Pole Height			
1	0 m Extension	758		
2	2 m Extension	36		
3	4 m Extension	~~191~~ 195		
B	Crossings			
1	LT Line Crossing	21		
2	11 kV Crossing	72		
3	33 kV Crossing	NIL		
4	66 kV Crossing	NIL		
5	132 kV Crossing	NIL		
6	220 kV Crossing	NIL		
7	400 kV Crossing	NIL		
8	NH Crossing	NIL		
C	River Crossing	NIL		
D	Nala Crossing	8		
E	Road Crossing			
1	Metalled Road	121		
2	Village	7		
F	Span violation	3		
G	Angle Violation	3		

Dilwar Alam
FE, PGCIL

Note: We have approved 12 m Pole Drawing (0 m Extension) and we have proposed 14 m Pole (2 m Extension) and 16 m Pole (4 m Extension) for crossings.

TECHNOFAB ENGINEERING LIMITED TRIPURA

Dy. Manager
NERPSIP-SATCHAND

POLE SUMMARY DETAILS

TRIPURA STATE ASSOCIATED WITH NER POWER SYSTEM IMPROVEMENT PROJECT (DMS PACKAGE-02)

CC-CS/86-NER/REW-2985/1/G2/NOA 1&11/7145 &7146 Dated 20/01/2017

LINE NAME: PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED SRINAGAR S/S

TOTAL LINE LENGTH: 16.223 km

S.No.	Type of Pole	Extension	Pole Qty	12 m Pole	14 m Pole	16 m Pole	Remarks
1	SP (GA-01)	0 m	38	38			
2		2 m	1		1		
3		4 m	2			2	
4	SP (GA-02)	0 m	114	114			
5		2 m	7		7		
6		4 m	27			27	
7	DP (GA-03)	0 m	253	506			
8		2 m	14		28		
9		4 m	47			94	
10	FP (GA-04)	0 m	8	32			
11		2 m	0		0		
12		4 m	2			8	
13	SP (Double Circuit)GA-05	0 m	0	0			
14		2 m	0		0		
15		4 m	0			0	
16	DP (Double Circuit)GA-06	0 m	26	52			
17		2 m	0		0		
18		4 m	26			52	
19	FP (Double Circuit)GA-07	0 m	4	16			
20		2 m	0		0		
21		4 m	~~2~~ 3			~~8~~ 12	
	TOTAL			758	36	~~191~~ 195	

Dilwar Alam
FE, PGCIL

TECHNOFAB ENGINEERING LIMITED TRIPURA

NERPSIP-RATCHANI

OWNER-T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

A/1

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	GPS CO-ORDINATE(WGS-84) NORTHING	REMARKS
1	3	AP-12	12	EXT. D/C EP+4	4	120°50'17"RT					MANU GHAT	91°38'59.9"	22°59'48.1"	
							26	26	26	Metal Road				
2	4	AP-13	13	SP+0	0	0°44'52"LT					MANU GHAT	91°38'59"	22°59'48.1"	SP WITH ANGLE
							25	25	51					
3		AP-14	14	DP+0	0	31°8'41"RT					MANU GHAT	91°38'58.1"	22°59'48.2"	
							25	25	76					
4	5	AP-15	15	DP+4	4	10°4'24"LT					MANU GHAT	91°38'57.4"	22°59'48.6"	
							30	30	106	Metal Road, 11Kv				
5		AP-16	16	SP+4	4	9°59'25"RT					MANU GHAT	91°38'56.4"	22°59'49.1"	SP WITH ANGLE
							30	30	136					
6	6	AP-17	17	DP+4	4	15°39'39"LT					MANU GHAT	91°38'55.6"	22°59'49.6"	
							40	40	176	11Kv				
7	7	AP-18	18	SP+4	4	1°42'25"LT					MANU GHAT	91°38'54.3"	22°59'50.1"	SP WITH ANGLE
							40	40	216	Vill Road				
8		AP-19	19	SP+0	0	1°7'40"LT					MANU GHAT	91°38'52.9"	22°59'50.4"	SP WITH ANGLE
							40							
9			LOC-19/1	SP+0	0									
							40	80	296					
10	8	AP-20	20	SP+0	0	9°46'3"LT					MUNDULI PARA	91°38'50.2"	22°59'51.2"	SP WITH ANGLE
							39	39	335					
11		AP-21	21	SP+0	0	2°35'47"RT					MUNDULI PARA	91°38'48.9"	22°59'51.3"	SP WITH ANGLE
							39	39	374					
12	9	AP-22	22	DP+0	0	13°56'15"LT					MUNDULI PARA	91°38'47.5"	22°59'51.5"	
							26	26	400					
13		AP-23	23	DP+0	0	16°43'8"RT					MUNDULI PARA	91°38'46.6"	22°59'51.4"	
							26	26	426					
14	10	AP-24	24	DP+2	2	24°1'49"RT					MUNDULI PARA	91°38'45.7"	22°59'51.6"	
							43	43	469	11Kv, Metal Road				
15	11	AP-25	25	SP+4	4	3°36'9"RT					MUNDULI PARA	91°38'44.5"	22°59'52.4"	SP WITH ANGLE
							44	44	513					
16	12	AP-26	26	SP+0	0	0°7'21"LT					MUNDULI PARA	91°38'43.3"	22°59'53.3"	SP WITH ANGLE
							43	43	556					
17		AP-27	27	DP+2	2	20°4'35"LT					MUNDULI PARA	91°38'42.1"	22°59'54.2"	
							26	26	582	Metal Road,11Kv				
18	13	AP-28	28	SP+4	4	7°5'12"LT					MUNDULI PARA	91°38'41.5"	22°59'54.5"	
							26	26	608					
19		AP-29	29	DP+0	0	17°8'12"LT					MUNDULI PARA	91°38'40.4"	22°59'54.7"	
							30	30	638					
20		AP-30	30	DP+0	0	22°25'12"RT					MUNDULI PARA	91°38'39.3"	22°59'54.6"	

TECHNO FAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNO FAB.

Dilwar Alam
FE, PGCIL

R.GANESH MANI
SENIOR ENGINEER

B.C. Rana
Dy. Manager
NERPSIP-SATCL

APPROVED BY:

OWNER-T.S.E.C.
LCLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							28	28	666	Metal Road				
21		AP-31	31	DP+0	0	22°40'57"LT					MUNDULI PARA	91°38'38.4"	22°59'54.9"	
							26	26	692	LT Line				
22	15	AP-32	32	SP+2	2	0°37'40"RT					MUNDULI PARA	91°38'37.5"	22°59'54.8"	SP WITH ANGLE
							26	26	718					
23		AP-33	33	DP+0	0	17°38'20"LT					MUNDULI PARA	91°38'36.6"	22°59'54.7"	
							30	30	748	LT Line, Metal Road				
24	16	AP-34	34	SP+0	0	9°5'35"RT					MUNDULI PARA	91°38'35.6"	22°59'54.3"	SP WITH ANGLE
							30	30	778					
25		AP-35	35	DP+0	0	20°27'25"RT					BETAGHAT	91°38'34.6"	22°59'54.1"	
							39	39	817	LT Line, Metal Road				
26	17	AP-36	36	SP+2	2	1°50'11"LT					BETAGHAT	91°38'33.2"	22°59'54.3"	SP WITH ANGLE
							39	39	856	LT Line				
27	18	AP-37	37	SP+2	2	8°5'48"RT					BETAGHAT	91°38'31.8"	22°59'54.4"	SP WITH ANGLE
							26	26	882	Metal Road				
28		AP-38	38	DP+0	0	17°38'31"LT					BETAGHAT	91°38'30.9"	22°59'54.6"	
							26	26	908					
29	19	AP-39	39	DP+0	0	14°3'15"LT					BETAGHAT	91°38'30"	22°59'54.5"	
							26							
30			LOC-39/1	SP+0	0									
							26	52	960					
31	20	AP-40	40	DP+0	0	18°43'17"LT					BETAGHAT	91°38'28.3"	22°59'54"	
							38							
32			LOC-40/1	SP+0	0									
							38	76	1036					
33	21	AP-41	41	DP+0	0	12°42'27"RT					BETAGHAT	91°38'26.2"	22°59'52.5"	
							26	26	1062					
34		AP-42	42	SP+0	0	3°4'2"LT					BETAGHAT	91°38'25.3"	22°59'52.2"	SP WITH ANGLE
							28	28	1090					
35		AP-43	43	DP+0	0	22°57'32"RT					BETAGHAT	91°38'24.5"	22°59'51.8"	
							25	25	1115					
36		AP-44	44	SP+4	4	9°21'42"LT					BETAGHAT	91°38'23.6"	22°59'51.7"	SP WITH ANGLE
							26	26	1141	11Kv				
37	22	AP-45	45	DP+4	4	22°1'44"LT					BETAGHAT	91°38'22.7"	22°59'51.5"	
							26	26	1167	11Kv				
38		AP-46	46	DP+4	4	12°34'5"LT					BETAGHAT	91°38'22"	22°59'51"	
							26	26	1193					
39		AP-47	47	DP+0	0	20°28'9"RT					BETAGHAT	91°38'21.4"	22°59'50.4"	
							26	26	1219					
40		AP-48	48	SP+0	0	7°10'10"LT					BETAGHAT	91°38'20.5"	22°59'50"	SP WITH ANGLE

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOFAB

Dilwar Alam
FE, PGCIL

M.C. Ram
Dy. Manager
NERPSIP-SATCHAND

APPROVED BY:

OWNER-T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	GPS CO-ORDINATE(WGS-84) NORTHING	REMARKS
							26	26	1245					
41		AP-49	49	DP+0	0	15°46'15"LT					BETAGHAT	91°38'19.8"	22°59'49.5"	
							26	26	1271					
42		AP-50	50	SP+0	0	1°49'4"RT					BETAGHAT	91°38'19.2"	22°59'48.8"	SP WITH ANGLE
							26	26	1297					
43		AP-51	51	DP+0	0	21°18'58"RT					BETAGHAT	91°38'18.6"	22°59'48.2"	
							30	30	1327					
44		AP-52	52	DP+0	0	11°13'27"RT					BETAGHAT	91°38'17.7"	22°59'47.7"	
							26	26	1353					
45		AP-53	53	SP+4	4	8°34'46"RT					BETAGHAT	91°38'16.8"	22°59'47.5"	SP WITH ANGLE
							28	28	1381	11Kv				
46		AP-54	54	SP+4	4	9°34'28"RT					BETAGHAT	91°38'15.8"	22°59'47.4"	SP WITH ANGLE
							39	39	1420					
47	23	AP-55	55	SP+0	0	2°30'5"RT					BETAGHAT	91°38'14.5"	22°59'47.4"	SP WITH ANGLE
							39	39	1459					
48		AP-56	56	SP+0	0	5°30'27"LT					BETAGHAT	91°38'13.1"	22°59'47.5"	SP WITH ANGLE
							26	26	1485					
49	24	AP-57	57	SP+4	4	4°8'16"RT					BETAGHAT	91°38'12.2"	22°59'47.5"	SP WITH ANGLE
							26	26	1511	11Kv, Metal Road				
50	25	AP-58	58	DP+4	4	48°20'54"RT					BETAGHAT	91°38'11.3"	22°59'47.5"	
							26	26	1537	11kv, Metal Road				
51		AP-59	59	SP+4	4	4°54'22"RT					BETAGHAT	91°38'10.7"	22°59'48.2"	SP WITH ANGLE
							26	26	1563					
52	26	AP-60	60	SP+4	4	1°16'56"LT					BETAGHAT	91°38'10.2"	22°59'48.9"	SP WITH ANGLE
							26	26	1589	11kv				
53		AP-61	61	SP+4	4	7°18'51"RT					BETAGHAT	91°38'9.7"	22°59'49.6"	SP WITH ANGLE
							30	30	1619					
54		AP-62	62	DP+4	4	21°29'30"RT					BETAGHAT	91°38'9.2"	22°59'50.4"	
							26	26	1645	11kv				
55		AP-63	63	DP+4	4	35°8'14"LT					BETAGHAT	91°38'9.1"	22°59'51.3"	
							26	26	1671	11kv, Metal Road				
56	27	AP-64	64	SP+4	4	4°43'43"LT					BETAGHAT	91°38'8.5"	22°59'51.9"	SP WITH ANGLE
							26	26	1697	11Kv,Metal Road				
57	28	AP-65	65	DP+4	4	55°1'38"LT					BETAGHAT	91°38'7.8"	22°59'52.5"	
							30	30	1727	11kv, Metal Road				
58	29	AP-66	66	DP+4	4	14°36'47"RT					BETAGHAT	91°38'6.8"	22°59'52.3"	
							26							
59			LOC-66/1	SP+0	0									
							26	52	1779					
60	30	AP-67	67	SP+0	0	3°5'30"RT					BETAGHAT	91°38'5"	22°59'52.4"	SP WITH ANGLE

HOLD

HOLD

SUBMITTED BY TECHNOFAB

Dilwar Alam
FE, PGCIL

APPROVED BY:

Dy. Manager
MEPSEB-SATCHAPS

OWNER-T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
							26	26	1805					
61		AP-68	68	DP+0	0	25°19'30"LT					BETAGHAT	91°38'4"	22°59'52.5"	
							26							
62			LOC-68/1	SP+0	0									
							30	56	1861					
63	31	AP-69	69	DP+4	4	57°44'30"RT					BETAGHAT	91°38'2.2"	22°59'51.9"	
							26	26	1887	11kv, Metal Road				
64	32	AP-70	70	SP+4	4	8°27'58"LT					BETAGHAT	91°38'1.5"	22°59'52.4"	SP WITH ANGLE
							26	26	1913					
65		AP-71	71	DP+4	4	23°24'30"LT					BETAGHAT	91°38'0.7"	22°59'52.8"	
							26	26	1939	11kv, Metal Road				
66		AP-72	72	DP+4	4	25°48'33"RT					BETAGHAT	91°37'59.8"	22°59'52.9"	
							26	26	1965					
67	33	AP-73	73	DP+0	0	16°50'51"RT					BETAGHAT	91°37'59"	22°59'53.4"	
							26	26	1991	Metal Road				
68	34	AP-74	74	D/C DP+0	0	25°19'58"LT					BETAGHAT	91°37'58.4"	22°59'54"	ONLINE 11KV
							30							
69			LOC-74/1	D/C DP+0	0									ONLINE 11KV
							35	65	2056					
70	35	AP-75	75	DP+4	4	58°0'35"LT					BETAGHAT	91°37'56.3"	22°59'54.9"	
							26			11kv, Metal Road				
71	36		LOC-75/1	SP+4	4									
							26	52	2108	11kv, Metal Road				
72		AP-76	76	FP+4	4	62°4'58"LT					BETAGHAT	91°37'54.8"	22°59'54"	
							26	26	2134	11kv, Metal Road				
73	37	AP-77	77	DP+4	4	15°57'2"RT					BETAGHAT	91°37'54.9"	22°59'53.1"	
							19	19	2153					
74		AP-78	78	DP+0	0	2°22'53"RT					BETAGHAT	91°37'54.8"	22°59'52.5"	
							47	47	2200	Nala				Span Violation
75	38	AP-79	79	DP+0	0	7°43'36"RT					BETAGHAT	91°37'54.4"	22°59'51"	
							28							
76			LOC-79/1	SP+0	0									
							26	54	2254					
77		AP-80	80	SP+2	2	7°3'51"LT					BETAGHAT	91°37'53.8"	22°59'49.4"	SP WITH ANGLE
							26			LT Line				
78			LOC-80/1	SP+4	4									
							26	52	2306	11Kv				
79		AP-81	81	DP+2	2	8°19'54"RT					BETAGHAT	91°37'53.4"	22°59'47.7"	
							26	26	2332					
80		AP-82	82	DP+4	4	26°50'53"RT					BETAGHAT	91°37'53"	22°59'47"	

SUBMITTED BY:TECHNOFAB

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FE, PGCIL

PAGE-4/29

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OWNER-T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							26	26	2358	11kv, Metal Road				
81	40	AP-83	83	DP+4	4	15°42'56"LT					BETAGHAT	91°37'52.3"	22°59'46.4"	
							26	26	2384	11kv, Metal Road				
82	41	AP-84	84	DP+2	2	48°26'48"RT					BETAGHAT	91°37'51.9"	22°59'45.7"	
							26	26	2410	11kv, Metal Road				
83	42	AP-85	85	SP+4	4	7°0'38"RT					BETAGHAT	91°37'50.9"	22°59'45.6"	SP WITH ANGLE
							34			LT Line				
84			LOC-85/1	SP+2	2									
							36							
85			LOC-85/2	SP+0	0									
							34	104	2514					
86	43	AP-86	86	DP+0	0	41°18'46"LT					BETAGHAT	91°37'47.3"	22°59'45.4"	
							30	30	2544	Metal Road				
87	44	AP-87	87	DP+0	0	16°28'48"RT					BETAGHAT	91°37'46.5"	22°59'44.8"	
							26	26	2570					
88	45	AP-88	88	DP+0	0	52°54'32"RT					BETAGHAT	91°37'45.7"	22°59'44.4"	
							26	26	2596					
89		AP-89	89	SP+0	0	8°33'45"RT					BETAGHAT	91°37'44.9"	22°59'44.8"	SP WITH ANGLE
							26	26	2622					
90		AP-90	90	DP+0	0	13°13'53"LT					BETAGHAT	91°37'44.1"	22°59'45.2"	
							26	26	2648					
91	46	AP-91	91	DP+0	0	47°7'13"LT					BETAGHAT	91°37'43.3"	22°59'45.6"	
							27	27	2675					
92	47	AP-92	92	SP+0	0	3°53'54"LT					BETAGHAT	91°37'42.4"	22°59'45.2"	SP WITH ANGLE
							29	29	2704					
93		AP-93	93	DP+0	0	26°45'11"RT					TEKKA TULSI R.F	91°37'41.6"	22°59'44.7"	
							28	28	2732					
94	48	AP-94	94	DP+0	0	38°20'26"LT					TEKKA TULSI R.F	91°37'40.6"	22°59'44.7"	
							30							
95	49		LOC-94/1	SP+0	0									
							26	56	2788	Metal Road				
96	50	AP-95	95	DP+0	0	39°12'52"RT					TEKKA TULSI R.F	91°37'39.1"	22°59'43.5"	
							27	27	2815					
97		AP-96	96	DP+0	0	11°51'34"LT					TEKKA TULSI R.F	91°37'38.1"	22°59'43.4"	
							27							
98			LOC-96/1	SP+0	0									
							26	53	2868					
99		AP-97	97	DP+0	0	21°39'45"RT					TEKKA TULSI R.F	91°37'36.3"	22°59'43"	
							28	28	2896					
100	51	AP-98	98	DP+0	0	10°26'19"RT					TEKKA TULSI R.F	91°37'35.4"	22°59'43.1"	

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOFAB

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NERPSIP-SATCHAND

OWNER-T.S.E.C.
LCLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							29	29	2925					
101		AP-99	99	DP+0	0	14°37'27"RT					TEKKA TULSI R.F	91°37'34.4"	22°59'43.4"	
							30	30	2955					
102	52	AP-100	100	DP+0	0	28°46'35"LT					TEKKA TULSI R.F	91°37'33.5"	22°59'44"	
							29	29	2984	Metal Road				
103		AP-101	101	SP+0	0	5°15'17"RT					TEKKA TULSI R.F	91°37'32.5"	22°59'44"	SP WITH ANGLE
							26							
104			LOC-101/1	SP+0	0									
							26	52	3036					
105	53	AP-102	102	DP+0	0	23°35'38"LT					TEKKA TULSI R.F	91°37'30.7"	22°59'44.3"	
							30	30	3066					
106	54	AP-103	103	DP+0	0	31°2'9"LT					TEKKA TULSI R.F	91°37'29.7"	22°59'44.1"	
							30	30	3096					
107		AP-104	104	DP+0	0	10°6'45"LT					TEKKA TULSI R.F	91°37'28.9"	22°59'43.4"	
							26							
108			LOC-104/1	SP+0	0									
							26	52	3148					
109		AP-105	105	DP+0	0	38°46'53"RT					TEKKA TULSI R.F	91°37'27.9"	22°59'42"	
							26	26	3174					
110	56	AP-106	106	SP+0	0	8°2'24"RT					TEKKA TULSI R.F	91°37'27"	22°59'41.7"	SP WITH ANGLE
							29	29	3203					
111		AP-107	107	DP+0	0	10°20'48"RT					TEKKA TULSI R.F	91°37'26"	22°59'41.6"	
							28	28	3231					
112	57	AP-108	108	DP+0	0	35°56'31"RT					TEKKA TULSI R.F	91°37'25"	22°59'41.6"	
							26	26	3257					
113		AP-109	109	SP+0	0	8°2'42"LT					TEKKA TULSI R.F	91°37'24.3"	22°59'42.1"	SP WITH ANGLE
							26	26	3283					
114		AP-110	110	DP+0	0	21°9'29"LT					TEKKA TULSI R.F	91°37'23.5"	22°59'42.5"	
							26	26	3309					
115	58	AP-111	111	DP+0	0	30°8'36"RT					TEKKA TULSI R.F	91°37'22.6"	22°59'42.7"	
							28	28	3337					
116	59	AP-112	112	DP+0	0	37°42'44"LT					TEKKA TULSI R.F	91°37'21.8"	22°59'43.2"	
							31							
117			LOC-112/1	SP+0	0									
							30	61	3398					
118	60	AP-113	113	FP+0	0	79°16'23"RT					TEKKA TULSI R.F	91°37'19.7"	22°59'43.2"	
							30	30	3428	Metal Road				
119		AP-114	114	DP+0	0	44°10'12"LT					TEKKA TULSI R.F	91°37'19.5"	22°59'44.2"	
							30	30	3458	Metal Road				
120	61	AP-115	115	SP+0	0	6°2'16"RT					TEKKA TULSI R.F	91°37'18.7"	22°59'44.8"	SP WITH ANGLE

SUBMITTED BY:TECHNOFAB

Dilwar Alam
FE, PGCIL

APPROVED BY:

OWNER-T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							30	30	3488					
121	62	AP-116	116	DP+0	0	35°34'48"LT					TEKKA TULSI R.F	91°37'17.9"	22°59'45.4"	
							29							
122			LOC-116/1	SP+0	0									
							26	55	3543	Metal Road				
123		AP-117	117	DP+0	0	27°39'37"RT					TEKKA TULSI R.F	91°37'16"	22°59'45.6"	
							26	26	3569					
124	63	AP-118	118	SP+0	0	6°15'38"RT					TEKKA TULSI R.F	91°37'15.2"	22°59'46.1"	SP WITH ANGLE
							26	26	3595					
125	64	AP-119	119	DP+0	0	43°1'56"LT					TEKKA TULSI R.F	91°37'14.5"	22°59'46.6"	
							26	26	3621					
126		AP-120	120	DP+0	0	34°30'15"LT					TEKKA TULSI R.F	91°37'13.6"	22°59'46.6"	
							28	28	3649	Metal Road				
127	65	AP-121	121	FP+0	0	70°42'52"RT					TEKKA TULSI R.F	91°37'12.8"	22°59'46.1"	
							30	30	3679					
128	66	AP-122	122	DP+0	0	50°20'9"LT					TEKKA TULSI R.F	91°37'11.9"	22°59'46.6"	
							29	29	3708					
129		AP-123	123	DP+0	0	16°34'24"LT					TEKKA TULSI R.F	91°37'11"	22°59'46.3"	
							26	26	3734					
130	67	AP-124	124	DP+0	0	21°3'19"LT					TEKKA TULSI R.F	91°37'10.2"	22°59'45.8"	
							29	29	3763					
131		AP-125	125	DP+0	0	15°14'21"LT					TEKKA TULSI R.F	91°37'9.6"	22°59'45.1"	
							26	26	3789					
132	68	AP-126	126	DP+0	0	46°15'46"RT					TEKKA TULSI R.F	91°37'9.3"	22°59'44.3"	
							25	25	3814	Metal Road				
133		AP-127	127	FP+0	0	110°54'3"RT					TEKKA TULSI R.F	91°37'8.5"	22°59'44"	
							28	28	3842	Metal Road				
134	69	AP-128	128	SP+0	0	9°41'9"RT					TEKKA TULSI R.F	91°37'8.4"	22°59'44.9"	SP WITH ANGLE
							27	27	3869					
135		AP-129	129	DP+0	0	31°2'57"LT					TEKKA TULSI R.F	91°37'8.6"	22°59'45.7"	
							26	26	3895	Metal Road				
136	70	AP-130	130	DP+0	0	47°57'21"LT					TEKKA TULSI R.F	91°37'8.2"	22°59'46.5"	
							26	26	3921	Metal Road				
137	71	AP-131	131	DP+0	0	57°26'45"LT					TEKKA TULSI R.F	91°37'7.3"	22°59'46.8"	
							29	29	3950	Metal Road				
138	72	AP-132	132	DP+0	0	51°21'59"RT					TEKKA TULSI R.F	91°37'6.5"	22°59'46.2"	
							24	24	3974	Metal Road				
139	73	AP-133	133	DP+0	0	13°2'2"RT					TEKKA TULSI R.F	91°37'5.7"	22°59'46.3"	
							25	25	3999					
140		AP-134	134	DP+0	0	12°45'27"LT					TEKKA TULSI R.F	91°37'4.9"	22°59'46.7"	

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOFAB

Dilwar Alam
FE,PGCIL

APPROVED BY:

OWNER-T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							25	25	4024					
141	74	AP-135	135	DP+0	0	56°44'4"LT					TEKKA TULSI R.F	91°37'4.1"	22°59'46.9"	
							26	26	4050	Metal Road				
142	75	AP-136	136	DP+0	0	36°10'48"LT					TEKKA TULSI R.F	91°37'3.4"	22°59'46.3"	
							26	26	4076					
143		AP-137	137	SP+0	0	2°48'5"RT					TEKKA TULSI R.F	91°37'3.3"	22°59'45.4"	SP WITH ANGLE
							26	26	4102					
144		AP-138	138	SP+0	0	9°24'4"RT					TEKKA TULSI R.F	91°37'3.1"	22°59'44.6"	SP WITH ANGLE
							28	28	4130	Metal Road				
145	76	AP-139	139	DP+0	0	27°22'46"LT					TEKKA TULSI R.F	91°37'2.7"	22°59'43.8"	
							26	26	4156					
146		AP-140	140	SP+0	0	9°53'7"RT					TEKKA TULSI R.F	91°37'2.8"	22°59'42.9"	SP WITH ANGLE
							26	26	4182					
147	77	AP-141	141	DP+0	0	20°4'2"RT					TEKKA TULSI R.F	91°37'2.7"	22°59'42.1"	
							26	26	4208	Metal Road				
148		AP-142	142	DP+0	0	39°39'47"LT					TEKKA TULSI R.F	91°37'2.4"	22°59'41.3"	
							26	26	4234					
149	78	AP-143	143	DP+0	0	51°45'50"RT					TEKKA TULSI R.F	91°37'2.6"	22°59'40.5"	
							24	24	4258					
150	79	AP-144	144	DP+0	0	31°27'19"RT					TEKKA TULSI R.F	91°37'2.1"	22°59'39.9"	
							26	26	4284					
151		AP-145	145	DP+0	0	41°19'42"LT					TEKKA TULSI R.F	91°37'1.3"	22°59'39.5"	
							26							
152			LOC-145/1	SP+0	0									
							26	52	4336					
153	80	AP-146	146	DP+0	0	37°16'35"RT					TEKKA TULSI R.F	91°37'0.5"	22°59'38"	
							26	26	4362					
154	81	AP-147	147	DP+0	0	11°15'49"LT					TEKKA TULSI R.F	91°36'59.6"	22°59'37.6"	
							26	26	4388					
155	82	AP-148	148	DP+0	0	17°12'33"LT					TEKKA TULSI R.F	91°36'58.9"	22°59'37.1"	
							28							
156			LOC-148/1	SP+0	0									
							26	54	4442					
157		AP-149	149	SP+0	0	6°38'43"RT					TEKKA TULSI R.F	91°36'57.8"	22°59'35.7"	SP WITH ANGLE
							26							
158	83		LOC-149/1	SP+0	0									
							26	52	4494					
159		AP-150	150	DP+0	0	12°57'31"LT					TEKKA TULSI R.F	91°36'56.6"	22°59'34.4"	
							26	26	4520					
160		AP-151	151	SP+0	0	2°59'0"RT					TEKKA TULSI R.F	91°36'56.2"	22°59'33.7"	SP WITH ANGLE

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOFAB

Dilwar Alam
FE, PGCIL

APPROVED BY:

Dy. Manager
NERPSIP-SATCHARI

OWNER:T.S.E.C.
CLIENT:P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							26	26	4546					
161		AP-152	152	DP+0	0	10°19'51"LT					TEKKA TULSI R.F	91°36'55.6"	22°59'33"	
							26	26	4572					
162	84	AP-153	153	DP+0	0	12°6'1"LT					TEKKA TULSI R.F	91°36'55.2"	22°59'32.3"	
							26	26	4598					
163		AP-154	154	DP+0	0	14°15'30"RT					TEKKA TULSI R.F	91°36'55"	22°59'31.4"	
							26	26	4624					
164	85	AP-155	155	DP+0	0	31°19'17"RT					TEKKA TULSI R.F	91°36'54.5"	22°59'30.7"	
							26	26	4650					
165		AP-156	156	DP+0	0	12°45'56"LT					TEKKA TULSI R.F	91°36'53.8"	22°59'30.3"	
							26	26	4676	Metal Road				
166	86	AP-157	157	DP+0	0	42°29'48"LT					TEKKA TULSI R.F	91°36'53.1"	22°59'29.7"	
							26	26	4702					
167		AP-158	158	DP+0	0	52°31'28"RT					TEKKA TULSI R.F	91°36'53"	22°59'28.9"	
							26	26	4728	Metal Road				
168	87	AP-159	159	DP+0	0	53°57'16"RT					TEKKA TULSI R.F	91°36'52.2"	22°59'28.4"	
							43	43	4771					
169		AP-160	160	SP+0	0	3°58'6"LT					TEKKA TULSI R.F	91°36'50.8"	22°59'28.9"	SP WITH ANGLE
							44	44	4815					
170	88	AP-161	161	SP+0	0	2°30'34"RT					TEKKA TULSI R.F	91°36'49.4"	22°59'29.3"	SP WITH ANGLE
							43	43	4858					
171		AP-162	162	DP+0	0	13°38'51"LT					TEKKA TULSI R.F	91°36'47.9"	22°59'29.8"	
							26							
172			LOC-162/1	SP+0	0									
							26	52	4910					
173	89	AP-163	163	SP+0	0	6°30'4"LT					TEKKA TULSI R.F	91°36'46.1"	22°59'30"	SP WITH ANGLE
							26	26	4936					
174	90	AP-164	164	DP+0	0	21°2'37"LT					TEKKA TULSI R.F	91°36'45.2"	22°59'30"	
							26							
175			LOC-164/1	SP+0	0									
							26	52	4988					
176	91	AP-165	165	DP+0	0	15°10'35"RT					TEKKA TULSI R.F	91°36'43.5"	22°59'29.4"	
							26	26	5014					
177		AP-166	166	SP+0	0	8°46'13"RT					TEKKA TULSI R.F	91°36'42.6"	22°59'29.3"	SP WITH ANGLE
							26	26	5040					
178	92	AP-167	167	DP+0	0	21°35'29"LT					TEKKA TULSI R.F	91°36'41.7"	22°59'29.3"	
							25							
179			LOC-167/1	SP+0	0									
							29	54	5094					
180	93	AP-168	168	DP+0	0	42°11'57"LT					TEKKA TULSI R.F	91°36'39.9"	22°59'28.7"	

TECHNO ABS ENGINEERING LIMITED TRIPURA

SUBMITTED BY TECHNOFAB

Dilwar Alam
FE, PGCIL

APPROVED BY:
Dy. Manager
NERPSIP-SATCHARI

OWNER-T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME-PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							26	26	5120					
181	94	AP-169	169	DP+0	0	12°8'27"LT					TEKKA TULSI R.F	91°36'39.5"	22°59'28"	
							26	26	5146					
182	95	AP-170	170	DP+0	0	21°54'53"RT					TEKKA TULSI R.F	91°36'39.2"	22°59'27.2"	
							26	26	5172					
183		AP-171	171	DP+0	0	17°9'52"RT					TEKKA TULSI R.F	91°36'38.6"	22°59'26.5"	
							26	26	5198					
184		AP-172	172	SP+0	0	6°55'37"LT					TEKKA TULSI R.F	91°36'37.9"	22°59'26"	SP WITH ANGLE
							26							
185			LOC-172/1	SP+0	0									
							30	56	5254					
186	96	AP-173	173	DP+0	0	22°29'54"LT					TEKKA TULSI R.F	91°36'36.4"	22°59'24.8"	
							39	39	5293					
187		AP-174	174	SP+0	0	3°35'42"RT					TEKKA TULSI R.F	91°36'35.8"	22°59'23.7"	SP WITH ANGLE
							39	39	5332	Metal Road				
188	98	AP-175	175	SP+0	0	7°43'8"LT					TEKKA TULSI R.F	91°36'35.1"	22°59'22.6"	SP WITH ANGLE
							30	30	5362	Metal Road				
189		AP-176	176	DP+0	0	35°56'23"RT					TEKKA TULSI R.F	91°36'34.7"	22°59'21.7"	
							30	30	5392					
190	99	AP-177	177	SP+0	0	3°19'1"RT					TEKKA TULSI R.F	91°36'33.8"	22°59'21.2"	SP WITH ANGLE
							26	26	5418					
191	100	AP-178	178	DP+0	0	19°58'40"RT					TEKKA TULSI R.F	91°36'33"	22°59'20.8"	
							26	26	5444					
192		AP-179	179	SP+0	0	1°11'35"LT					TEKKA TULSI R.F	91°36'32.1"	22°59'20.6"	SP WITH ANGLE
							26	26	5470					
193	101	AP-180	180	SP+0	0	6°30'17"LT					TEKKA TULSI R.F	91°36'31.2"	22°59'20.5"	SP WITH ANGLE
							26	26	5496					
194		AP-181	181	DP+0	0	10°54'54"RT					TEKKA TULSI R.F	91°36'30.3"	22°59'20.3"	
							30							
195	102		LOC-181/1	SP+0	0									
							29	59	5555	Metal Road				
196		AP-182	182	DP+0	0	37°32'1"LT					TEKKA TULSI R.F	91°36'28.3"	22°59'20.1"	
							30	30	5585					
197	103	AP-183	183	SP+0	0	2°39'36"LT					TEKKA TULSI R.F	91°36'27.5"	22°59'19.4"	SP WITH ANGLE
							26	26	5611					
198		AP-184	184	DP+0	0	12°14'30"RT					TEKKA TULSI R.F	91°36'26.9"	22°59'18.8"	
							26	26	5637					
199	104	AP-185	185	DP+0	0	23°49'14"RT					TEKKA TULSI R.F	91°36'26.1"	22°59'18.4"	
							29	29	5666					
200		AP-186	186	SP+0	0	4°20'3"LT					TEKKA TULSI R.F	91°36'25.1"	22°59'18.2"	SP WITH ANGLE

TECHNO ABEE ENGINEERING LIMITED TRIPURA

SUBMITTED BY TECHNO ABE

Dilwar Alam
FE_PGCIL

PAGE-10/29

APPROVED BY:

Dy. Manager
NERPSIP-SATCHAND

OWNER-T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							30	30	5696					
201	105	AP-187	187	SP+0	0	8°51'3"LT					TEKKA TULSI R.F	91°36'24.1"	22°59'18"	SP WITH ANGLE
							26	26	5722					
202	106	AP-188	188	DP+0	0	17°53'20"LT					TEKKA TULSI R.F	91°36'23.2"	22°59'17.7"	
							26	26	5748					
203		AP-189	189	SP+0	0	4°20'3"LT					TEKKA TULSI R.F	91°36'22.5"	22°59'17.1"	SP WITH ANGLE
							26	26	5774					
204		AP-190	190	SP+0	0	3°14'56"LT					TEKKA TULSI R.F	91°36'21.9"	22°59'16.5"	SP WITH ANGLE
							26	26	5800	Metal Road				
205	107	AP-191	191	SP+0	0	1°56'54"RT					TEKKA TULSI R.F	91°36'21.3"	22°59'15.9"	SP WITH ANGLE
							26	26	5826					
206	108	AP-192	192	DP+0	0	14°3'41"LT					TEKKA TULSI R.F	91°36'20.6"	22°59'15.3"	
							26							
207			LOC-192/1	SP+0	0									
							26	52	5878					
208		AP-193	193	DP+0	0	30°26'6"RT					TEKKA TULSI R.F	91°36'19.7"	22°59'13.8"	
							26	26	5904					
209	109	AP-194	194	DP+0	0	10°11'54"RT					TEKKA TULSI R.F	91°36'18.9"	22°59'13.4"	
							42							
210	110		LOC-194/1	SP+0	0									
							42	84	5988					
211		AP-195	195	DP+2	2	18°3'16"RT					TEKKA TULSI R.F	91°36'16.2"	22°59'12.5"	2M EXT. FOR LONG SPAN
							62	62	6050	Nala				Span Violation
212	113	AP-196	196	DP+2	2	50°53'31"LT					TEKKA TULSI R.F	91°36'14"	22°59'12.4"	2M EXT. FOR LONG SPAN
							29	29	6079					
213	114	AP-197	197	DP+0	0	34°38'5"RT					TEKKA TULSI R.F	91°36'13.4"	22°59'11.7"	
							26	26	6105					
214	115	AP-198	198	DP+0	0	16°14'16"LT					TEKKA TULSI R.F	91°36'12.5"	22°59'11.4"	
							39	39	6144					
215		AP-199	199	SP+0	0	1°19'57"LT					TEKKA TULSI R.F	91°36'11.3"	22°59'10.7"	SP WITH ANGLE
							39	39	6183					
216	116	AP-200	200	SP+0	0	7°31'24"RT					TEKKA TULSI R.F	91°36'10.2"	22°59'10"	SP WITH ANGLE
							26	26	6209					
217	117	AP-201	201	SP+0	0	9°49'31"RT					TEKKA TULSI R.F	91°36'9.4"	22°59'9.6"	SP WITH ANGLE
							20	20	6229					
218		AP-202	202	DP+0	0	49°6'54"LT					TEKKA TULSI R.F	91°36'8.8"	22°59'9.4"	
							26	26	6255					
219	118	AP-203	203	SP+0	0	4°36'31"RT					TEKKA TULSI R.F	91°36'8.4"	22°59'8.6"	SP WITH ANGLE
							26	26	6281					
220	119	AP-204	204	DP+0	0	12°26'8"RT					TEKKA TULSI R.F	91°36'8"	22°59'7.9"	

SUBMITTED BY: TECHNOFAB.

Dilnas Alam
FE, PGCIL

APPROVED BY:
Dy. Manager
NERPSIP-SATCHAND

OWNER-T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							28	28	6309					
221	120	AP-205	205	SP+0	0	7°34'40"RT					TEKKA TULSI R.F	91°36'7.3"	22°59'7.2"	SP WITH ANGLE
							21	21	6330					
222	121	AP-206	206	DP+0	0	46°16'36"LT					TEKKA TULSI R.F	91°36'6.8"	22°59'6.7"	
							26	26	6356					
223	122	AP-207	207	DP+0	0	21°16'55"RT					TEKKA TULSI R.F	91°36'6.8"	22°59'5.9"	
							26	26	6382					
224		AP-208	208	FP+0	0	116°17'54"RT					TEKKA TULSI R.F	91°36'6.4"	22°59'5.1"	
							26	26	6408	Metal Road				
225	123	AP-209	209	SP+0	0	6°31'18"RT					TEKKA TULSI R.F	91°36'5.8"	22°59'5.7"	SP WITH ANGLE
							26	26	6434					
226	124	AP-210	210	SP+0	0	7°18'38"RT					TEKKA TULSI R.F	91°36'5.3"	22°59'6.4"	SP WITH ANGLE
							27	27	6461	Metal Road				
227		AP-211	211	DP+0	0	21°19'39"RT					TEKKA TULSI R.F	91°36'4.9"	22°59'7.2"	
							26	26	6487					
228	125	AP-212	212	SP+0	0	6°16'38"RT					TEKKA TULSI R.F	91°36'4.8"	22°59'8.1"	SP WITH ANGLE
							26	26	6513					
229		AP-213	213	DP+0	0	47°11'52"LT					TEKKA TULSI R.F	91°36'4.8"	22°59'8.9"	
							26	26	6539					
230	126	AP-214	214	DP+0	0	37°26'11"RT					TEKKA TULSI R.F	91°36'4.1"	22°59'9.5"	
							26	26	6565					
231		AP-215	215	DP+0	0	18°59'59"RT					TEKKA TULSI R.F	91°36'3.8"	22°59'10.3"	
							26	26	6591					
232		AP-216	216	DP+0	0	36°36'55"LT					TEKKA TULSI R.F	91°36'3.8"	22°59'11.1"	
							26	26	6617					
233	127	AP-217	217	SP+0	0	8°34'8"RT					TEKKA TULSI R.F	91°36'3.3"	22°59'11.8"	SP WITH ANGLE
							26	26	6643					
234	128	AP-218	218	FP+0	0	62°36'44"LT					TEKKA TULSI R.F	91°36'2.8"	22°59'12.5"	
							28	28	6671					
235	129	AP-219	219	DP+0	0	33°20'4"LT					TEKKA TULSI R.F	91°36'1.8"	22°59'12.5"	
							26	26	6697					
236		AP-220	220	DP+0	0	17°17'50"RT					TEKKA TULSI R.F	91°36'1.1"	22°59'12"	
							26	26	6723	Metal Road				
237	130	AP-221	221	DP+0	0	21°47'14"RT					TEKKA TULSI R.F	91°36'0.2"	22°59'11.8"	
							30	30	6753					
238		AP-222	222	DP+0	0	12°41'53"LT					TEKKA TULSI R.F	91°35'59.2"	22°59'11.9"	
							30	30	6783					
239	131	AP-223	223	DP+0	0	17°54'8"RT					TEKKA TULSI R.F	91°35'58.1"	22°59'11.7"	
							30	30	6813					
240	132	AP-224	224	DP+0	0	13°14'21"RT					TEKKA TULSI R.F	91°35'57.1"	22°59'11.9"	

TECHNO ABA ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOABA

Dilwar Alam
FE, PGCIL

APPROVED BY:

OWNER-T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							30	30	6843					
241		AP-225	225	DP+0	0	11°7'7"LT					TEKKA TULSI R.F	91°35'56.1"	22°59'12.3"	
							30	30	6873					
242	133	AP-226	226	DP+0	0	33°19'46"LT					TEKKA TULSI R.F	91°35'55.1"	22°59'12.5"	
							26	26	6899					
243		AP-227	227	SP+0	0	5°10'51"LT					TEKKA TULSI R.F	91°35'54.2"	22°59'12.2"	SP WITH ANGLE
							30	30	6929					
244	134	AP-228	228	SP+0	0	8°15'4"LT					TEKKA TULSI R.F	91°35'53.3"	22°59'11.8"	SP WITH ANGLE
							26	26	6955	Metal Road				
245		AP-229	229	DP+0	0	11°51'43"RT					TEKKA TULSI R.F	91°35'52.5"	22°59'11.3"	
							26	26	6981					
246	135	AP-230	230	SP+0	0	6°9'52"LT					TEKKA TULSI R.F	91°35'51.7"	22°59'10.9"	SP WITH ANGLE
							26	26	7007					
247		AP-231	231	SP+0	0	8°3'56"LT					TEKKA TULSI R.F	91°35'50.9"	22°59'10.5"	SP WITH ANGLE
							29	29	7036					
248		AP-232	232	SP+0	0	2°20'10"RT					TEKKA TULSI R.F	91°35'50.1"	22°59'10"	SP WITH ANGLE
							30	30	7066					
249	136	AP-233	233	DP+0	0	19°6'18"RT					TEKKA TULSI R.F	91°35'49.2"	22°59'9.4"	
							37	37	7103	Metal Road				
250	137	AP-234	234	SP+0	0	2°55'27"LT					TEKKA TULSI R.F	91°35'48"	22°59'9.1"	SP WITH ANGLE
							30	30	7133					
251		AP-235	235	SP+0	0	3°10'38"RT					TEKKA TULSI R.F	91°35'47"	22°59'8.8"	SP WITH ANGLE
							26	26	7159					
252		AP-236	236	SP+0	0	5°42'31"RT					TEKKA TULSI R.F	91°35'46.1"	22°59'8.6"	SP WITH ANGLE
							26	26	7185					
253	138	AP-237	237	DP+0	0	22°48'52"LT					TEKKA TULSI R.F	91°35'45.2"	22°59'8.4"	
							28	28	7213					
254	139	AP-238	238	DP+0	0	52°20'28"LT					TEKKA TULSI R.F	91°35'44.4"	22°59'7.9"	
							30	30	7243					
255	140	AP-239	239	DP+0	0	20°21'8"LT					TEKKA TULSI R.F	91°35'44.3"	22°59'7"	
							26	26	7269					
256		AP-240	240	SP+0	0	0°46'52"LT					TEKKA TULSI R.F	91°35'44.5"	22°59'6.1"	SP WITH ANGLE
							30	30	7299					
257		AP-241	241	DP+0	0	39°43'47"LT					TEKKA TULSI R.F	91°35'44.8"	22°59'5.2"	
							25	25	7324					
258	141	AP-242	242	DP+0	0	55°58'3"RT					TEKKA TULSI R.F	91°35'45.5"	22°59'4.7"	
							26	26	7350					
259	142	AP-243	243	DP+0	0	37°11'46"LT					TEKKA TULSI R.F	91°35'45.5"	22°59'3.9"	
							32	32	7382	Metal Road				
260	143	AP-244	244	SP+0	0	8°17'10"RT					TEKKA TULSI R.F	91°35'46.2"	22°59'3.1"	SP WITH ANGLE

SUBMITTED BY TECHNOFAB

Dilwar Alam
AE, PGCIL

Dy. Manager
NERPSIP-SATCHARD

APPROVED BY:

OWNER-T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							30	30	7412					
261	144	AP-245	245	DP+0	0	34°59'1"RT					TEKKA TULSI R.F	91°35'46.7"	22°59'2.2"	
							26	26	7438	Metal Road				
262		AP-246	246	DP+0	0	26°0'19"LT					TEKKA TULSI R.F	91°35'46.6"	22°59'1.4"	
							26	26	7464	Metal Road				
263	145	AP-247	247	DP+0	0	25°51'17"LT					TEKKA TULSI R.F	91°35'46.9"	22°59'0.6"	
							26	26	7490					
264		AP-248	248	DP+0	0	46°55'7"RT					TEKKA TULSI R.F	91°35'47.6"	22°58'60"	
							26	26	7516	Metal Road				
265	146	AP-249	249	DP+0	0	27°10'59"RT					TEKKA TULSI R.F	91°35'47.5"	22°58'59.1"	
							26	26	7542					
266	147	AP-250	250	DP+0	0	18°34'36"RT					TEKKA TULSI R.F	91°35'47.1"	22°58'58.4"	
							26	26	7568					
267		AP-251	251	DP+0	0	17°44'57"RT					TEKKA TULSI R.F	91°35'46.4"	22°58'57.8"	
							26	26	7594					
268		AP-252	252	SP+0	0	1°11'42"RT					TEKKA TULSI R.F	91°35'45.6"	22°58'57.5"	SP WITH ANGLE
							24	24	7618					
269	148	AP-253	253	DP+0	0	17°41'32"RT					TEKKA TULSI R.F	91°35'44.8"	22°58'57.1"	
							26	26	7644					
270	149	AP-254	254	DP+0	0	27°58'4"LT					TEKKA TULSI R.F	91°35'43.9"	22°58'57"	
							26	26	7670					
271		AP-255	255	SP+0	0	4°58'49"LT					TEKKA TULSI R.F	91°35'43.2"	22°58'56.6"	SP WITH ANGLE
							26	26	7696					
272	150	AP-256	256	DP+0	0	12°5'19"LT					TEKKA TULSI R.F	91°35'42.5"	22°58'56"	
							26	26	7722					
273	151	AP-257	257	DP+0	0	13°40'34"LT					TEKKA TULSI R.F	91°35'41.9"	22°58'55.4"	
							30	30	7752					
274		AP-258	258	SP+0	0	6°33'33"LT					TEKKA TULSI R.F	91°35'41.4"	22°58'54.5"	SP WITH ANGLE
							27	27	7779					
275	152	AP-259	259	DP+0	0	38°3'6"RT					TEKKA TULSI R.F	91°35'41.1"	22°58'53.7"	
							26	26	7805	Metal Road				
276		AP-260	260	DP+0	0	29°21'11"RT					TEKKA TULSI R.F	91°35'40.4"	22°58'53.2"	
							26	26	7831					
277		AP-261	261	DP+0	0	20°55'42"LT					TEKKA TULSI R.F	91°35'39.5"	22°58'53.1"	
							26	26	7857					
278		AP-262	262	SP+0	0	8°46'21"LT					MARU PARA	91°35'38.6"	22°58'52.8"	SP WITH ANGLE
							26	26	7883					
279	153	AP-263	263	SP+0	0	0°28'26"LT					MARU PARA	91°35'37.9"	22°58'52.3"	SP WITH ANGLE
							26	26	7909					
280		AP-264	264	SP+0	0	8°43'33"LT					MARU PARA	91°35'37.1"	22°58'51.8"	SP WITH ANGLE

TECHNO ABE ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNO AB.

Dilwar Alam
FE, PGCIL

PAGE-14/29

APPROVED BY:

OWNER-T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							40	40	7949	Nala				
281		AP-265	265	DP+0	0	12°28'26"RT					MARU PARA	91°35'36.1"	22°58'51"	
							26	26	7975					
282		AP-266	266	DP+0	0	32°0'9"RT					MARU PARA	91°35'35.3"	22°58'50.5"	
							26	26	8001					
283		AP-267	267	DP+4	4	45°36'2"RT					MARU PARA	91°35'34.4"	22°58'50.5"	
							28	28	8029	LT Line, 11Kv, Metal Road				
284		AP-268	268	DP+2	2	10°11'22"LT					MARU PARA	91°35'33.7"	22°58'51.2"	
							30	30	8059					
285		AP-269	269	DP+0	0	25°51'45"RT					MARU PARA	91°35'32.9"	22°58'51.8"	
							30	30	8089					
286	158	AP-270	270	DP+4	4	23°36'7"RT					MARU PARA	91°35'32.4"	22°58'52.7"	
							30	30	8119	11Kv				
287	159	AP-271	271	DP+4	4	28°44'24"LT					MARU PARA	91°35'32.3"	22°58'53.6"	
							30	30	8149					
288	160	AP-272	272	DP+0	0	32°6'19"RT					MARU PARA	91°35'31.8"	22°58'54.5"	
							30	30	8179					
289	161	AP-273	273	DP+0	0	13°5'22"RT					MARU PARA	91°35'31.8"	22°58'55.4"	
							26	26	8205					
290		AP-274	274	DP+0	0	14°32'9"RT					MARU PARA	91°35'32"	22°58'56.3"	
							29	29	8234					
291	162	AP-275	275	DP+0	0	19°14'50"RT					MARU PARA	91°35'32.4"	22°58'57.1"	
							30	30	8264					
292	163	AP-276	276	DP+0	0	21°22'39"LT					MARU PARA	91°35'33.2"	22°58'57.8"	
							30	30	8294	Metal Road				
293		AP-277	277	DP+0	0	35°40'3"LT					MARU PARA	91°35'33.7"	22°58'58.6"	
							26	26	8320					
294	164	AP-278	278	DP+0	0	11°21'24"RT					MARU PARA	91°35'33.5"	22°58'59.5"	
							26	26	8346					
295		AP-279	279	DP+0	0	21°58'18"RT					MARU PARA	91°35'33.5"	22°59'0.3"	
							30	30	8376					
296	165	AP-280	280	DP+0	0	57°11'20"LT					MARU PARA	91°35'33.9"	22°59'1.2"	
							24	24	8400	Metal Road				
297	166	AP-281	281	DP+0	0	32°25'36"LT					MARU PARA	91°35'33.4"	22°59'1.9"	
							26	26	8426					
298		AP-282	282	DP+0	0	42°42'17"RT					MARU PARA	91°35'32.6"	22°59'2.2"	
							27	27	8453					
299	167	AP-283	283	DP+0	0	23°1'41"RT					MARU PARA	91°35'32.2"	22°59'3"	
							26	26	8479	Metal Road				
300	168	AP-284	284	FP+0	0	68°10'14"LT					MARU PARA	91°35'32.2"	22°59'3.8"	

SUBMITTED BY:TECHNOFAB.

Dilwar Alam
FE, PGCIL

APPROVED BY:

OWNER-T.S.E.C.
LCUENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							26	26	8505					
301		AP-285	285	DP+0	0	30°0'50"RT					MARU PARA	91°35'31.4"	22°59'4.1"	
							28	28	8533					
302		AP-286	286	SP+0	0	9°47'36"LT					MARU PARA	91°35'30.7"	22°59'4.9"	SP WITH ANGLE
							26	26	8559					
303		AP-287	287	DP+0	0	15°4'26"RT					MARU PARA	91°35'30"	22°59'5.4"	
							29	29	8588					
304	169	AP-288	288	DP+0	0	18°32'14"RT					MARU PARA	91°35'29.5"	22°59'6.2"	
							39							
305			LOC-288/1	SP+0	0									
							39	78	8666					
306	170	AP-289	289	DP+0	0	10°6'23"LT					MARU PARA	91°35'28.8"	22°59'8.6"	
							26							
307			LOC-289/1	SP+0	0									
							26	52	8718					
308	171	AP-290	290	SP+0	0	6°10'24"LT					MARU PARA	91°35'28"	22°59'10.2"	SP WITH ANGLE
							26	26	8744					
309		AP-291	291	SP+0	0	5°52'37"RT					MARU PARA	91°35'27.5"	22°59'10.9"	SP WITH ANGLE
							26							
310			LOC-291/1	SP+0	0									
							26	52	8796					
311	172	AP-292	292	SP+0	0	4°15'52"LT					MARU PARA	91°35'26.7"	22°59'12.4"	SP WITH ANGLE
							26	26	8822					
312	173	AP-293	293	DP+0	0	48°37'56"RT					MARU PARA	91°35'26.2"	22°59'13.1"	
							26	26	8848					
313	174	AP-294	294	DP+0	0	16°12'37"LT					MARU PARA	91°35'26.5"	22°59'13.9"	
							30	30	8878					
314	175	AP-295	295	DP+0	0	15°24'49"LT					MARU PARA	91°35'26.6"	22°59'14.9"	
							26	26	8904					
315		AP-296	296	DP+0	0	11°48'55"LT					MARU PARA	91°35'26.4"	22°59'15.7"	
							28	28	8932					
316	176	AP-297	297	SP+0	0	5°34'27"RT					MARU PARA	91°35'26"	22°59'16.6"	SP WITH ANGLE
							39							
317			LOC-297/1	SP+0	0									
							39	78	9010					
318		AP-298	298	DP+0	0	12°33'28"LT					MARU PARA	91°35'25.1"	22°59'19"	
							39							
319			LOC-298/1	SP+0	0									
							39	78	9088					
320	177	AP-299	299	DP+0	0	10°59'2"LT					MARU PARA	91°35'23.6"	22°59'21.1"	

TECHNOFAB ENGINEERING LIMITED THRISSUR

SUBMITTED BY:TECHNOFAB

Dilwar Alam
FE, PGCIL

M.S. Ram
Dy. Manager
NERPSIP-SATCHAND

APPROVED BY:

OWNER T.S.E.C.
(CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							26	26	9114					
321	178	AP-300	300	DP+0	0	17°30'5"RT					MARU PARA	91°35'23"	22°59'21.7"	
							26							
322			LOC-300/1	SP+0	0									
							26	52	9166					
323		AP-301	301	SP+0	0	4°1'16"RT					MARU PARA	91°35'22.2"	22°59'23.3"	SP WITH ANGLE
							26	26	9192					
324	179	AP-302	302	DP+0	0	15°38'23"RT					MARU PARA	91°35'21.9"	22°59'24.1"	
							25	25	9217					
325		AP-303	303	SP+0	0	5°0'49"LT					MARU PARA	91°35'21.8"	22°59'24.9"	SP WITH ANGLE
							26							
326			LOC-303/1	SP+0	0									
							26	52	9269					
327	180	AP-304	304	DP+0	0	12°3'37"LT					AMLI GHAT	91°35'21.5"	22°59'26.5"	
							26	26	9295					
328	181	AP-305	305	DP+0	0	35°7'6"LT					AMLI GHAT	91°35'21.1"	22°59'27.3"	
							26	26	9321					
329	182	AP-306	306	DP+0	0	13°37'21"LT					AMLI GHAT	91°35'20.3"	22°59'27.8"	
							30	30	9351					
330	183	AP-307	307	DP+0	0	18°50'29"RT					AMLI GHAT	91°35'19.3"	22°59'28.1"	
							26	26	9377					
331	184	AP-308	308	DP+0	0	36°19'21"RT					AMLI GHAT	91°35'18.6"	22°59'28.6"	
							26	26	9403					
332		AP-309	309	SP+0	0	0°24'51"RT					AMLI GHAT	91°35'18.4"	22°59'29.4"	SP WITH ANGLE
							26	26	9429					
333	185	AP-310	310	DP+0	0	19°18'7"RT					AMLI GHAT	91°35'18.1"	22°59'30.2"	
							40							
334			LOC-310/1	SP+0	0									
							39	79	9508	Nala				
335	186	AP-311	311	SP+0	0	7°0'45"RT					AMLI GHAT	91°35'18.3"	22°59'32.8"	SP WITH ANGLE
							26	26	9534					
336		AP-312	312	SP+0	0	6°29'41"LT					AMLI GHAT	91°35'18.5"	22°59'33.6"	SP WITH ANGLE
							26	26	9560					
337		AP-313	313	SP+0	0	4°44'20"LT					AMLI GHAT	91°35'18.5"	22°59'34.4"	SP WITH ANGLE
							26	26	9586					
338	187	AP-314	314	DP+0	0	13°50'53"LT					AMLI GHAT	91°35'18.5"	22°59'35.3"	
							26	26	9612					
339		AP-315	315	SP+0	0	6°34'28"LT					AMLI GHAT	91°35'18.3"	22°59'36.1"	SP WITH ANGLE
							26	26	9638					
340	188	AP-316	316	DP+0	0	19°48'35"LT					AMLI GHAT	91°35'17.9"	22°59'36.9"	

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY TECHNOFAB

Dilwar Alam
FE, PGCIL

M. Hasan
Dy. Manager
NERP SIP-SATCHARD

APPROVED BY:

OWNER T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							26	26	9664					
341		AP-317	317	DP+0	0	20°14'59"LT					AMLI GHAT	91°35'17.3"	22°59'37.5"	
							26	26	9690					
342		AP-318	318	DP+0	0	15°27'50"RT					AMLI GHAT	91°35'16.5"	22°59'37.9"	
							26	26	9716					
343	189	AP-319	319	DP+0	0	10°31'22"RT					AMLI GHAT	91°35'15.9"	22°59'38.5"	
							26	26	9742					
344		AP-320	320	SP+0	0	1°55'27"LT					AMLI GHAT	91°35'15.4"	22°59'39.2"	SP WITH ANGLE
							26	26	9768					
345		AP-321	321	SP+0	0	3°25'45"LT					AMLI GHAT	91°35'14.8"	22°59'39.9"	SP WITH ANGLE
							26	26	9794					
346	190	AP-322	322	DP+0	0	13°50'46"RT					AMLI GHAT	91°35'14.2"	22°59'40.5"	
							26	26	9820					
347	191	AP-323	323	SP+0	0	9°56'24"RT					AMLI GHAT	91°35'13.8"	22°59'41.3"	SP WITH ANGLE
							26	26	9846					
348		AP-324	324	SP+0	0	8°5'44"RT					AMLI GHAT	91°35'13.5"	22°59'42.1"	SP WITH ANGLE
							26	26	9872					
349		AP-325	325	SP+0	0	0°20'47"LT					AMLI GHAT	91°35'13.4"	22°59'42.9"	SP WITH ANGLE
							26	26	9898					
350		AP-326	326	SP+0	0	7°55'20"RT					AMLI GHAT	91°35'13.3"	22°59'43.8"	SP WITH ANGLE
							26	26	9924					
351		AP-327	327	DP+0	0	12°50'13"LT					AMLI GHAT	91°35'13.2"	22°59'44.6"	
							26	26	9950					
352		AP-328	328	SP+0	0	8°44'33"LT					AMLI GHAT	91°35'13"	22°59'45.4"	SP WITH ANGLE
							26	26	9976					
353	192	AP-329	329	SP+0	0	0°0'12"RT					AMLI GHAT	91°35'12.7"	22°59'46.2"	SP WITH ANGLE
							26	26	10002					
354	193	AP-330	330	DP+0	0	26°4'20"RT					AMLI GHAT	91°35'12.3"	22°59'47"	
							26	26	10028					
355		AP-331	331	DP+0	0	17°52'54"LT					AMLI GHAT	91°35'12.4"	22°59'47.8"	
							26	26	10054					
356	194	AP-332	332	SP+0	0	0°35'53"RT					AMLI GHAT	91°35'12.1"	22°59'48.7"	SP WITH ANGLE
							26	26	10080					
357	195	AP-333	333	DP+0	0	19°5'19"LT					AMLI GHAT	91°35'11.9"	22°59'49.5"	
							26	26	10106					
358	196	AP-334	334	DP+0	0	32°58'27"RT					AMLI GHAT	91°35'11.4"	22°59'50.2"	
							26	26	10132					
359		AP-335	335	DP+0	0	15°27'37"RT					AMLI GHAT	91°35'11.4"	22°59'51"	
							26							
360			LOC-335/1	SP+0	0									

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOFAB

Dilwar Alam
FE, PGCIL

Dy. Manager
NEAR SIP-SATCHAND

APPROVED BY:

OWNER-T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							26	52	10184	Vill Road				
361	197	AP-336	336	DP+0	0	43°29'27"LT					AMLI GHAT	91°35'11.9"	22°59'52.7"	
							26	26	10210					
362	198	AP-337	337	SP+0	0	3°8'45"LT					AMLI GHAT	91°35'11.5"	22°59'53.4"	SP WITH ANGLE
							26	26	10236					
363	199	AP-338	338	DP+0	0	58°29'47"RT					AMLI GHAT	91°35'11"	22°59'54.1"	
							26	26	10262					
364	200	AP-339	339	DP+0	0	17°31'16"LT					AMLI GHAT	91°35'11.4"	22°59'54.9"	
							26	26	10288					
365	201	AP-340	340	DP+0	0	36°44'5"LT					AMLI GHAT	91°35'11.6"	22°59'55.7"	
							26	26	10314					
366		AP-341	341	DP+0	0	18°6'47"LT					AMLI GHAT	91°35'11.2"	22°59'56.5"	
							26	26	10340					
367		AP-342	342	DP+0	0	27°14'31"RT					AMLI GHAT	91°35'10.5"	22°59'57.1"	
							30	30	10370					
368	202	AP-343	343	DP+0	0	12°14'46"LT					AMLI GHAT	91°35'10.2"	22°59'58"	
							26	26	10396					
369	203	AP-344	344	DP+0	0	18°51'6"RT					AMLI GHAT	91°35'9.7"	22°59'58.7"	
							26	26	10422					
370		AP-345	345	SP+0	0	7°20'52"RT					AMLI GHAT	91°35'9.6"	22°59'59.6"	SP WITH ANGLE
							26	26	10448					
371		AP-346	346	SP+0	0	3°26'17"RT					AMLI GHAT	91°35'9.5"	23°0'0.4"	SP WITH ANGLE
							26	26	10474					
372	204	AP-347	347	DP+0	0	36°37'13"LT					AMLI GHAT	91°35'9.5"	23°0'1.2"	
							26	26	10500					
373		AP-348	348	DP+0	0	10°15'30"RT					AMLI GHAT	91°35'8.9"	23°0'1.9"	
							26	26	10526					
374		AP-349	349	DP+0	0	11°37'2"RT					AMLI GHAT	91°35'8.5"	23°0'2.7"	
							26	26	10552					
375	205	AP-350	350	DP+0	0	23°51'36"RT					AMLI GHAT	91°35'8.3"	23°0'3.5"	
							26	26	10578					
376	206	AP-351	351	DP+0	0	20°44'43"RT					AMLI GHAT	91°35'8.4"	23°0'4.3"	
							26	26	10604					
377	207	AP-352	352	DP+0	0	26°9'17"RT					AMLI GHAT	91°35'8.9"	23°0'5.1"	
							26	26	10630					
378		AP-353	353	SP+0	0	7°38'43"LT					AMLI GHAT	91°35'9.6"	23°0'5.5"	SP WITH ANGLE
							30	30	10660	Metal Road				
379	208	AP-354	354	DP+0	0	10°35'53"LT					AMLI GHAT	91°35'10.4"	23°0'6.2"	
							27	27	10687					
380		AP-355	355	DP+0	0	26°16'33"RT					AMLI GHAT	91°35'11"	23°0'6.9"	

SUBMITTED BY:TECHNOFAB

Dilwar Alam
FE, PGCIL

M.C. Bose
Dy. Manager
NERPSIP-SATCHAND

APPROVED BY:

OWNER-T.S.E.C.
LCLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							26	26	10713					
381	209	AP-356	356	SP+0	0	5°32'41"RT					AMLI GHAT	91°35'11.8"	23°0'7.3"	SP WITH ANGLE
							36							
382			LOC-356/1	SP+0	0									
							36	72	10785					
383	210	AP-357	357	FP+0	0	78°16'57"LT					AMLI GHAT	91°35'14.2"	23°0'8.1"	
							42	42	10827	Nala				
384	212	AP-358	358	DP+0	0	21°52'57"RT					KAP TOU	91°35'13.9"	23°0'9.4"	
							30	30	10857	Metal Road				
385		AP-359	359	DP+0	0	25°49'57"LT					KAP TOU	91°35'14.2"	23°0'10.4"	
							26	26	10883	Vill Road				
386	213	AP-360	360	DP+4	4	10°6'11"RT					KAP TOU	91°35'14"	23°0'11.2"	
							26	26	10909	11kv				
387		AP-361	361	SP+4	4	4°27'15"RT					KAP TOU	91°35'13.9"	23°0'12.1"	SP WITH ANGLE
							30	30	10939					
388	214	AP-362	362	DP+0	0	16°24'16"LT					KAP TOU	91°35'13.9"	23°0'13"	
							30	30	10969	LT Line				
389		AP-363	363	DP+0	0	30°43'38"LT					KAP TOU	91°35'13.7"	23°0'14"	
							26	26	10995	Metal Road				
390	215	AP-364	364	SP+0	0	8°45'37"LT					KAP TOU	91°35'13"	23°0'14.6"	SP WITH ANGLE
							26	26	11021					
391		AP-365	365	SP+2	2	6°17'49"LT					KAP TOU	91°35'12.3"	23°0'15.1"	SP WITH ANGLE
							26	26	11047	LT Line				
392	216	AP-366	366	DP+0	0	20°43'50"LT					KAP TOU	91°35'11.5"	23°0'15.5"	
							25	25	11072					
393	217	AP-367	367	DP+0	0	21°40'21"RT					KAP TOU	91°35'10.6"	23°0'15.6"	Span Violation
							48	48	11120	Nala				
394	218	AP-368	368	DP+2	2	15°8'19"RT					KAP TOU	91°35'9.1"	23°0'16.4"	
							30	30	11150	LT Line,11kv				
395		AP-369	369	DP+4	4	17°40'36"LT					KAP TOU	91°35'8.4"	23°0'17.1"	
							30	30	11180	LT Line,11kv				
396	219	AP-370	370	DP+4	4	31°27'51"RT					KAP TOU	91°35'7.5"	23°0'17.5"	
							30	30	11210	LT Line				
397	220	AP-371	371	SP+4	4	1°47'43"LT					KAP TOU	91°35'6.9"	23°0'18.4"	SP WITH ANGLE
							29	29	11239	11kv,LT Line, Metal Road				
398	221	AP-372	372	DP+4	4	43°51'57"LT					KAP TOU	91°35'6.4"	23°0'19.2"	
							27	27	11266	Metal Road				
399	222	AP-373	373	FP+0	0	62°18'33"RT					KAP TOU	91°35'5.5"	23°0'19.4"	
							30	30	11296	Metal Road				
400		AP-374	374	SP+0	0	5°36'7"LT					KAP TOU	91°35'5.2"	23°0'20.3"	SP WITH ANGLE

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TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY: TECHNOFAB

Dilwar Alam
FE, PGCIL

Dy. Manager
NERPSIP-SATCHARI

APPROVED BY:

OWNER S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
							26	26	11322					
401	223	AP-375	375	SP+0	0	3°44'47"RT					KAP TOLI	91°35'4.9"	23°0'21.1"	SP WITH ANGLE
							30	30	11352	Metal Road				
402	224	AP-376	376	DP+4	4	27°8'6"RT					KAP TOLI	91°35'4.6"	23°0'22"	
							28	28	11380	Metal Road, LT Line,11kv				
403		AP-377	377	DP+4	4	28°27'21"LT					KAP TOLI	91°35'4.8"	23°0'22.9"	
							28	28	11408					
404	225	AP-378	378	SP+0	0	7°16'6"LT					KAP TOLI	91°35'4.5"	23°0'23.8"	SP WITH ANGLE
							25	25	11433					
405	226	AP-379	379	DP+4	4	18°38'57"LT					KAP TOLI	91°35'4.1"	23°0'24.5"	
							27	27	11460	11kv,LT Line, Metal Road				
406	227	AP-380	380	DP+4	4	21°48'02"RT					KAP TOLI	91°35'3.5"	23°0'25.2"	
							26	26	11486					
407		AP-381	381	SP+0	0	6°54'5"RT					KAP TOLI	91°35'3.1"	23°0'26"	SP WITH ANGLE
							26	26	11512					
408		AP-382	382	DP+0	0	21°9'14"RT					KAP TOLI	91°35'2.9"	23°0'26.8"	
							26	26	11538					
409	228	AP-383	383	DP+4	4	12°5'3"RT					KAP TOLI	91°35'3"	23°0'27.6"	
							26	26	11564	11Kv, Metal Road				
410		AP-384	384	DP+4	4	37°6'36"LT					KAP TOLI	91°35'3.3"	23°0'28.4"	
							26	26	11590					
411	229	AP-385	385	SP+4	4	6°21'58"LT					KAP TOLI	91°35'3"	23°0'29.2"	SP WITH ANGLE
							26	26	11616	Metal Road,11kv				
412		AP-386	386	SP+4	4	4°7'55"RT					KAP TOLI	91°35'2.6"	23°0'30"	SP WITH ANGLE
							28	28	11644	11Kv				
413	230	AP-387	387	FP+4	4	61°21'49"LT					KAP TOLI	91°35'2.3"	23°0'30.8"	
							29	29	11673	LT Line, Metal Road				
414	231	AP-388	388	DP+4	4	35°12'58"RT					KAP TOLI	91°35'1.3"	23°0'31"	
							28	28	11701	LT Line, 11Kv, Metal Road				
415	232	AP-389	389	DP+4	4	30°51'19"RT					KAP TOLI	91°35'0.6"	23°0'31.6"	
							24	24	11725					
416	233	AP-390	390	SP+0	0	8°52'34"LT					KAP TOLI	91°35'0.1"	23°0'32.2"	SP WITH ANGLE
							26	26	11751					
417		AP-391	391	DP+2	2	17°16'2"LT					KAP TOLI	91°34'59.4"	23°0'32.8"	
							26	26	11777	11Kv				
418	234	AP-392	392	SP+4	4	0°1'41"RT					KAP TOLI	91°34'58.6"	23°0'33.2"	SP WITH ANGLE
							26	26	11803					
419		AP-393	393	DP+4	4	30°27'17"RT					KAP TOLI	91°34'57.8"	23°0'33.6"	
							30	30	11833	Metal Road, 11Kv				
420		AP-394	394	DP+4	4	21°1'9"LT					KAP TOLI	91°34'57.3"	23°0'34.5"	

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SUBMITTED BY:TECHNOFAB

Dilwar Alam
FE, PGCIL

APPROVED BY:
Dy. Manager
NERPSIP-SATCHAND

OWNER-T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME-PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUM.LTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	GPS CO-ORDINATE(WGS-84) NORTHING	REMARKS
							30	30	11863					
421	235	AP-395	395	SP+0	0	5°39'56"RT					KAP TOLI	91°34'56.4"	23°0'35"	SP WITH ANGLE
							28	28	11891					
422		AP-396	396	DP+0	0	38°13'32"LT					KAP TOLI	91°34'55.7"	23°0'35.7"	
							26	26	11917					
423	236	AP-397	397	DP+0	0	21°57'58"RT					KAP TOLI	91°34'54.8"	23°0'35.7"	
							26	26	11943					
424		AP-398	398	DP+4	4	16°21'39"LT					KAP TOLI	91°34'54"	23°0'36.1"	
							27	27	11970	11Kv, Metal Road				
425		AP-399	399	DP+4	4	42°14'35"RT					KAP TOLI	91°34'53"	23°0'36.3"	
							26	26	11996	11Kv, Metal Road				
426	237	AP-400	400	DP+4	4	18°13'4"RT					KAP TOLI	91°34'52.5"	23°0'36.9"	
							26	26	12022					
427		AP-401	401	SP+4	4	9°41'1"LT					KAP TOLI	91°34'52.2"	23°0'37.7"	SP WITH ANGLE
							26	26	12048	11Kv, Metal Road				
428		AP-402	402	SP+4	4	0°44'56"RT					KAP TOLI	91°34'51.7"	23°0'38.5"	SP WITH ANGLE
							25	25	12073					
429	238	AP-403	403	DP+4	4	53°40'19"RT					KAP TOLI	91°34'51.3"	23°0'39.2"	
							26	26	12099	11Kv, Metal Road				
430		AP-404	404	DP+4	4	11°0'39"RT					KAP TOLI	91°34'51.7"	23°0'40"	
							26	26	12125					
431	239	AP-405	405	DP+0	0	42°44'11"LT					KAP TOLI	91°34'52.3"	23°0'40.6"	
							26	26	12151	Metal Road				
432	240	AP-406	406	DP+0	0	49°15'23"LT					KAP TOLI	91°34'52.2"	23°0'41.5"	
							26	26	12177					
433		AP-407	407	DP+0	0	49°49'19"RT					KAP TOLI	91°34'51.4"	23°0'42"	
							30	30	12207					
434	241	AP-408	408	DP+0	0	11°10'20"LT					KAP TOLI	91°34'51.3"	23°0'42.9"	
							26	26	12233					
435	242	AP-409	409	SP+4	4	8°54'35"LT					KAP TOLI	91°34'51.1"	23°0'43.7"	SP WITH ANGLE
							26	26	12259	11Kv				
436	243	AP-410	410	DP+4	4	37°10'50"RT					KAP TOLI	91°34'50.7"	23°0'44.5"	
							30	30	12289	11Kv				
437		AP-411	411	SP+4	4	6°46'54"LT					KAP TOLI	91°34'50.9"	23°0'45.5"	SP WITH ANGLE
							26	26	12315					
438		AP-412	412	DP+0	0	22°26'42"RT					KAP TOLI	91°34'50.9"	23°0'46.3"	
							26	26	12341	Metal Road				
439	244	AP-413	413	DP+0	0	28°58'31"LT					KAP TOLI	91°34'51.4"	23°0'47.1"	
							30	30	12371					
440		AP-414	414	DP+0	0	38°4'10"LT					KAP TOLI	91°34'51.3"	23°0'48"	

TECHNO FAB ENGINEERS PVT. LTD. TRIPURA

SUBMITTED BY: TECHNO FAB

Dilwar Alam
FE, PGCIL

M.K. Das
Dy. Manager
NERPSIP-SATCHAND

APPROVED BY:

OWNER-T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							26	26	12397					
441		AP-415	415	DP+0	0	14°11'20"RT					KAP TOLI	91°34'50.7"	23°0'48.7"	
							25	25	12422	Metal Road				
442	245	AP-416	416	DP+0	0	34°54'23"RT					KAP TOLI	91°34'50.4"	23°0'49.4"	
							25	25	12447					
443	246	AP-417	417	DP+4	4	46°34'7"LT					KAP TOLI	91°34'50.5"	23°0'50.2"	
							33	33	12480	11Kv				
444		AP-418	418	SP+4	4	8°12'57"RT					KAP TOLI	91°34'49.8"	23°0'51.1"	SP WITH ANGLE
							27	27	12507	11Kv				
445	247	AP-419	419	DP+4	4	10°26'22"LT					KAP TOLI	91°34'49.3"	23°0'51.8"	
							29	29	12536	Metal Road				
446	248	AP-420	420	DP+0	0	59°26'11"LT					KAP TOLI	91°34'48.7"	23°0'52.6"	
							26	26	12562					
447		AP-421	421	SP+0	0	4°28'32"LT					KAP TOLI	91°34'47.8"	23°0'52.4"	SP WITH ANGLE
							27	27	12589	11Kv, Metal Road				
448	249	AP-422	422	DP+2	2	48°8'40"RT					KAP TOLI	91°34'46.9"	23°0'52.2"	
							26	26	12615					
449		AP-423	423	DP+2	2	12°29'48"RT					KAP TOLI	91°34'46.1"	23°0'52.7"	
							30	30	12645	11Kv, Metal Road				
450	250	AP-424	424	DP+2	2	40°49'4"RT					KAP TOLI	91°34'45.4"	23°0'53.4"	
							26	26	12671					
451		AP-425	425	DP+0	0	23°32'23"RT					KAP TOLI	91°34'45.4"	23°0'54.3"	
							26	26	12697	Metal Road				
452	251	AP-426	426	SP+0	0	0°19'21"LT					KAP TOLI	91°34'45.7"	23°0'55"	SP WITH ANGLE
							26	26	12723					
453	252	AP-427	427	SP+0	0	9°23'14"LT					KAP TOLI	91°34'46"	23°0'55.8"	SP WITH ANGLE
							22	22	12745					
454	253	AP-428	428	DP+0	0	44°42'21"LT					KAP TOLI	91°34'46.2"	23°0'56.5"	
							26	26	12771					
455		AP-429	429	DP+0	0	17°54'2"RT					KAP TOLI	91°34'45.7"	23°0'57.2"	
							28	28	12799					
456	254	AP-430	430	DP+0	0	43°45'19"LT					MINE GRAM	91°34'45.4"	23°0'58.1"	
							30	30	12829					
457		AP-431	431	DP+0	0	56°30'27"RT					MINE GRAM	91°34'44.5"	23°0'58.6"	
							26	26	12855	Metal Road				
458	255	AP-432	432	DP+0	0	41°8'13"RT					MINE GRAM	91°34'44.5"	23°0'59.5"	
							30	30	12885					
459		AP-433	433	DP+0	0	32°33'16"LT					MINE GRAM	91°34'45.2"	23°1'0.2"	
							26	26	12911	Metal Road				
460	256	AP-434	434	SP+0	0	8°40'8"LT					MINE GRAM	91°34'45.3"	23°1'1.1"	SP WITH ANGLE

SUBMITTED BY:TECHNOFAB ENGINEERING LIMITED

Dilwar Alam
FE, PGCIL

Dy. Manager
NERPSIP-SATCHARPUR

APPROVED BY:

OWNER-T.S.E.C.
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
							26	26	12937					
461		AP-435	435	DP+0	0	14°34'47"LT					MINE GRAM	91°34'45.2"	23°1'1.9"	
							26	26	12963					
462		AP-436	436	DP+2	2	14°20'15"RT					MINE GRAM	91°34'45"	23°1'2.7"	
							26	26	12989	11 KV				
463		AP-437	437	SP+4	4	4°20'39"LT					MINE GRAM	91°34'44.9"	23°1'3.6"	SP WITH ANGLE
							26	26	13015					
464	257	AP-438	438	SP+0	0	1°30'39"RT					MINE GRAM	91°34'44.8"	23°1'4.4"	SP WITH ANGLE
							25	25	13040	Metal Road				
465		AP-439	439	DP+2	2	12°10'1"LT					MINE GRAM	91°34'44.7"	23°1'5.2"	
							26	26	13066	LT line				
466	258	AP-440	440	DP+2	2	32°50'57"RT					MINE GRAM	91°34'44.5"	23°1'6"	
							30	30	13096					
467		AP-441	441	SP+2	2	9°37'2"RT					MINE GRAM	91°34'44.7"	23°1'7"	SP WITH ANGLE
							26	26	13122	11Kv				
468	259	AP-442	442	DP+4	4	52°16'39"LT					MINE GRAM	91°34'45.1"	23°1'7.7"	
							27	27	13149	11Kv, Metal Road				
469		AP-443	443	DP+4	4	10°24'17"RT					MINE GRAM	91°34'44.7"	23°1'8.5"	
							27	27	13176					
470	260	AP-444	444	DP+4	4	50°42'11"RT					MINE GRAM	91°34'44.4"	23°1'9.3"	
							31	31	13207	11Kv, Metal Road				
471	261	AP-445	445	DP+4	4	59°54'51"LT					MINE GRAM	91°34'45"	23°1'10.1"	
							31	31	13238	Vill Road				
472		AP-446	446	SP+0	0	3°27'0"LT					MINE GRAM	91°34'44.5"	23°1'11.1"	SP WITH ANGLE
							19	19	13257					
473	262	AP-447	447	DP+0	0	21°49'38"RT					MINE GRAM	91°34'44.2"	23°1'11.6"	
							30	30	13287	Nala				
474	263	AP-448	448	DP+4	4	31°57'34"LT					MINE GRAM	91°34'44.1"	23°1'12.6"	
							26	26	13313	11Kv, Metal Road				
475		AP-449	449	SP+4	4	6°50'58"LT					MINE GRAM	91°34'43.5"	23°1'13.2"	SP WITH ANGLE
							26	26	13339					
476	264	AP-450	450	DP+0	0	44°22'40"RT					MINE GRAM	91°34'42.8"	23°1'13.8"	
							28	28	13367	Metal Road				
477		AP-451	451	DP+0	0	11°38'14"RT					MINE GRAM	91°34'42.8"	23°1'14.7"	
							26	26	13393					
478		AP-452	452	SP+0	0	5°17'13"LT					MINE GRAM	91°34'42.9"	23°1'15.6"	SP WITH ANGLE
							27	27	13420	Metal Road				
479	265	AP-453	453	DP+0	0	22°1'20"LT					MINE GRAM	91°34'43"	23°1'16.4"	
							26	26	13446	LT Line, Metal Road				
480		AP-454	454	SP+2	2	3°37'17"RT					MINE GRAM	91°34'42.7"	23°1'17.2"	SP WITH ANGLE

TECHNO ABS ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNO ABS.

Dilwar Alam
FE, PGCIL

M.C. Rao
Dy. Manager
NERPSIP-SATCHAND

APPROVED BY:

OWNER-T.S.E.C.
LCLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							26							
481			LOC-454/1	SP+0	0									
							27	53	13499					
482		AP-455	455	SP+0	0	3°35'56"LT					MINE GRAM	91°34'42.2"	23°1'18.9"	SP WITH ANGLE
							26	26	13525					
483		AP-456	456	SP+0	0	1°7'42"LT					MINE GRAM	91°34'42"	23°1'19.7"	SP WITH ANGLE
							26	26	13551					
484		AP-457	457	DP+0	0	9°25'46"RT					MINE GRAM	91°34'41.7"	23°1'20.5"	
							45			Metal Road				
485	267		LOC-457/1	SP+0	0									
							44			Metal Road				
486			LOC-457/2	SP+0	0									
							45	134	13685	2Nos Metal Road				
487	268	AP-458	458	DP+0	0	10°16'20"RT					MINE GRAM	91°34'40.9"	23°1'24.8"	
							26	26	13711	Metal Road				
488		AP-459	459	DP+0	0	13°39'14"LT					MINE GRAM	91°34'40.9"	23°1'25.7"	
							26	26	13737					
489	269	AP-460	460	SP+0	0	3°6'40"LT					MINE GRAM	91°34'40.7"	23°1'26.5"	SP WITH ANGLE
							26							
490			LOC-460/1	SP+0	0									
							26	52	13789					
491		AP-461	461	SP+0	0	2°44'10"LT					KAP TOLI	91°34'40.2"	23°1'28.1"	SP WITH ANGLE
							30	30	13819					
492	270	AP-462	462	DP+0	0	59°47'44"RT					KAP TOLI	91°34'39.8"	23°1'29"	
							28	28	13847					
493		AP-463	463	DP+0	0	36°18'26"LT					KAP TOLI	91°34'40.5"	23°1'29.7"	
							26	26	13873	Metal Road				
494	271	AP-464	464	DP+0	0	11°0'47"LT					KAP TOLI	91°34'40.6"	23°1'30.6"	
							26	26	13899					
495	272	AP-465	465	DP+0	0	12°22'50"LT					KAP TOLI	91°34'40.5"	23°1'31.4"	
							26	26	13925					
496		AP-466	466	DP+0	0	13°52'27"RT					POANG BARI	91°34'40.2"	23°1'32.2"	
							30	30	13955					
497		AP-467	467	SP+0	0	5°55'24"LT					POANG BARI	91°34'40.1"	23°1'33.2"	SP WITH ANGLE
							25			Metal Road				
498			LOC-467/1	SP+0	0									
							26	51	14006					
499	273	AP-468	468	DP+0	0	30°34'20"LT					POANG BARI	91°34'39.7"	23°1'34.8"	
							24	24	14030	Metal Road				
500		AP-469	469	DP+0	0	32°35'19"RT					POANG BARI	91°34'39.2"	23°1'35.4"	

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOFAB.

Dilwar Alam
FE, PGCIL

Dy. Manager
NERPSIP-SATCHARD

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OWNER-T.S.E.C.
LCLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							28	28	14058	Metal Road				
501	274	AP-470	470	DP+0	0	23°26'48"LT					POANG BARI	91°34'39"	23°1'36.3"	
							26	26	14084	Metal Road				
502		AP-471	471	SP+0	0	0°36'46"RT					POANG BARI	91°34'38.5"	23°1'37"	SP WITH ANGLE
							26	26	14110					
503	275	AP-472	472	DP+0	0	24°0'38"LT					POANG BARI	91°34'38.1"	23°1'37.7"	
							30	30	14140					
504		AP-473	473	DP+0	0	55°56'4"RT					POANG BARI	91°34'37.2"	23°1'38.3"	
							25	25	14165	Vill Road				
505	276	AP-474	474	DP+4	4	11°11'38"LT					POANG BARI	91°34'37.2"	23°1'39.1"	
							26	26	14191	11Kv				
506		AP-475	475	SP+4	4	7°26'14"LT					POANG BARI	91°34'37"	23°1'39.9"	SP WITH ANGLE
							26	26	14217					
507	277	AP-476	476	DP+0	0	14°5'29"LT					POANG BARI	91°34'36.7"	23°1'40.7"	
							32	32	14249	Metal Road				
508	278	AP-477	477	DP+0	0	31°23'54"LT					POANG BARI	91°34'36.1"	23°1'41.6"	
							26	26	14275					
509		AP-478	478	DP+0	0	17°1'56"RT					POANG BARI	91°34'35.3"	23°1'42"	
							26	26	14301					
510	279	AP-479	479	D/C DP+0	0	41°29'16"LT					POANG BARI	91°34'34.6"	23°1'42.5"	ONLINE 11KV
							26	26	14327	Metal Road				
511		AP-480	480	DP+0	0	20°19'4"LT					POANG BARI	91°34'33.7"	23°1'42.6"	
							27	27	14354					
512	280	AP-481	481	SP+0	0	3°24'25"RT					POANG BARI	91°34'32.8"	23°1'42.3"	SP WITH ANGLE
							26	26	14380	Metal Road				
513	281	AP-482	482	SP+0	0	1°3'44"LT					POANG BARI	91°34'32"	23°1'42.1"	SP WITH ANGLE
							26	26	14406					
514	282	AP-483	483	DP+0	0	52°42'43"RT					POANG BARI	91°34'31.1"	23°1'41.8"	
							30	30	14436	Nala				
515	283	AP-484	484	DP+0	0	24°23'26"LT					POANG BARI	91°34'30.2"	23°1'42.4"	
							26	26	14462	11Kv				
516		AP-485	485	DP+0	0	15°40'1"LT					POANG BARI	91°34'29.3"	23°1'42.6"	
							29	29	14491					
517		AP-486	486	DP+0	0	16°6'44"RT					POANG BARI	91°34'28.3"	23°1'42.5"	
							27	27	14518	11Kv, Metal Road				
518	284	AP-487	487	D/C FP+0	0	84°8'21"LT					POANG BARI	91°34'27.4"	23°1'42.7"	MATCH POINT OF SATCHAND - SRINAGAR
							34	34	14552	Metal Road				
519		AP-488	488	D/C FP+0	0	77°43'35"RT					POANG BARI	91°34'27"	23°1'41.7"	COMMON
							33	33	14585					

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Dilwar Alam
FE PGCIL

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DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
520		AP-489	489	D/C DP+0	0	32°57'2"LT					POANG BARI	91°34'25.8"	23°1'41.8"	COMMON
							34	34	14619					
521		AP-490	490	D/C DP+0	0	37°36'9"LT					POANG BARI	91°34'24.8"	23°1'41.3"	COMMON
							29	29	14648					
522		AP-491	491	D/C DP+0	0	25°29'59"LT					POANG BARI	91°34'24.3"	23°1'40.4"	COMMON
							26	26	14674					
523		AP-492	492	D/C DP+0	0	44°37'3"RT					POANG BARI	91°34'24.3"	23°1'39.6"	COMMON
							31			Metal Road				
524	285		LOC-492/1	D/C DP+4	4									COMMON
							30	61	14735					
525		AP-493	493	D/C DP+4	4	9°40'10"RT					POANG BARI	91°34'22.8"	23°1'38.2"	COMMON
							31	31	14766	Metal Road11kv				
526	286	AP-494	494	D/C DP+4	4	44°8'18"RT					POANG BARI	91°34'22"	23°1'37.6"	COMMON
							30	30	14796	LT Line				
527	287	AP-495	495	D/C DP+0	0	8°20'56"RT					POANG BARI	91°34'20.9"	23°1'37.7"	COMMON
							31	31	14827					
528	288	AP-496	496	D/C DP+0	0	12°23'51"RT					POANG BARI	91°34'19.9"	23°1'38"	COMMON
							30	30	14857	Vill Road				
529		AP-497	497	D/C DP+4	4	11°28'53"RT					POANG BARI	91°34'18.9"	23°1'38.5"	COMMON
							34	34	14891	11kv				
530		AP-498	498	D/C DP+4	4	6°26'46"LT					POANG BARI	91°34'18"	23°1'39.2"	COMMON
							42							
531	289		LOC-498/1	D/C DP+0	0									COMMON
							43	85	14976					
532	290	AP-499	499	D/C DP+4	4	2°53'55"RT					POANG BARI	91°34'15.6"	23°1'40.8"	COMMON
							34	34	15010	LT Line+11Kv,11kv, Metal Road				
533	291	AP-500	500	D/C DP+4	4	11°33'13"RT					POANG BARI	91°34'14.6"	23°1'41.4"	COMMON
							30	30	15040					
534		AP-501	501	D/C DP+4	4	21°24'0"LT					POANG BARI	91°34'13.9"	23°1'42.2"	COMMON
							28	28	15068	2nos 11Kv, Metal Road				
535	292	AP-502	502	D/C DP+4	4	42°13'36"LT					POANG BARI	91°34'13"	23°1'42.6"	COMMON
							34	34	15102	11kv				
536		AP-503	503	D/C DP+4	4	17°9'58"RT					POANG BARI	91°34'11.9"	23°1'42.3"	COMMON
							31	31	15133					
537	293	AP-504	504	D/C DP+0	0	4°13'1"RT					POANG BARI	91°34'10.8"	23°1'42.3"	COMMON
							26							
538			LOC-504/1	D/C DP+0	0									COMMON
							27	53	15186					
539	294	AP-505	505	D/C DP+4	4	51°58'45"RT					POANG BARI	91°34'9"	23°1'42.5"	COMMON

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOFAB

Dilwar Alam
FE_PGCIL

M.C. Ram
Dy. Manager
KERPEIP-SATCHAND

APPROVED BY:

OWNER-T.S.E.C.
LCLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							29	29	15215	11Kv				
540		AP-506	506	D/C DP+4	4	19°3'20"RT					POANG BARI	91°34'8.4"	23°1'43.3"	COMMON
							28	28	15243					
541	295	AP-507	507	D/C DP+4	4	9°10'37"RT					POANG BARI	91°34'8.2"	23°1'44.2"	COMMON
							45	45	15288	11Kv				
543	296	AP-508	508	D/C DP+4	4	34°46'4"LT					POANG BARI	91°34'8.1"	23°1'45.7"	COMMON
							28	28	15316	Metal Road				
544	297	AP-509	509	D/C DP+0	0	11°42'31"LT					POANG BARI	91°34'7.5"	23°1'46.4"	COMMON
							27	27	15343	Metal Road				
545		AP-510	510	D/C DP+4	4	16°39'51"LT					POANG BARI	91°34'6.8"	23°1'46.9"	COMMON
							31	31	15374	11kv				
546		AP-511	511	D/C DP+4	4	47°1'32"RT					POANG BARI	91°34'5.8"	23°1'47.3"	COMMON
							30	30	15404	11kv				
547	298	AP-512	512	D/C DP+4	4	48°34'23"LT					POANG BARI	91°34'5.4"	23°1'48.3"	COMMON
							31	31	15435	Metal Road				
548	299	AP-513	513	D/C FP+4	4	70°30'5"LT					POANG BARI	91°34'4.4"	23°1'48.6"	COMMON
							33	33	15468	11Kv				
549		AP-514	514	D/C DP+4	4	33°23'5"RT					POANG BARI	91°34'3.7"	23°1'47.8"	COMMON
							31	31	15499					
550		AP-515	515	D/C DP+0	0	8°45'40"RT					POANG BARI	91°34'2.6"	23°1'47.6"	COMMON
							28							
551			LOC-515/1	D/C DP+0	0									COMMON
							28	56	15555					
552		AP-516	516	D/C DP+0	0	36°1'28"RT					POANG BARI	91°34'0.6"	23°1'47.4"	COMMON
							33	33	15588					
553		AP-517	517	D/C DP+0	0	7°7'13"LT					POANG BARI	91°33'59.6"	23°1'47.9"	COMMON
							33	33	15621	Metal Road				
554	300	AP-518	518	D/C DP+0	0	7°44'58"LT					POANG BARI	91°33'58.6"	23°1'48.3"	COMMON
							40							
555			LOC-518/1	D/C DP+0	0									COMMON
							40							
556			LOC-518/2	D/C DP+4	4									COMMON
							40	120	15741	11Kv				
557	301	AP-519	519	D/C DP+4	4	28°26'28"LT					POANG BARI	91°33'54.5"	23°1'49.3"	COMMON
							29	29	15770					
558	302	AP-520	520	D/C FP+4	4	82°46'52"LT					POANG BARI	91°33'53.5"	23°1'49.1"	COMMON
							34	34	15804	Metal Road, 2nos11Kv				
559		AP-521	521	D/C DP+4	4	10°50'51"RT					POANG BARI	91°33'53.6"	23°1'48"	COMMON
							27	27	15831	11Kv				
560	303	AP-522	522	D/C DP+4	4	23°20'43"RT					POANG BARI	91°33'53.6"	23°1'47.1"	COMMON

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOFAB.

Dilwar Alam
FE PGCIL

Dy. Manager
KERP SIP-SATCHAND

APPROVED BY:

OWNER-T.S.E.C.
LCLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 33/11 KV MANUGHAT S/S TO PROPOSED 33KV SRINAGAR S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP. NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							26							
561			LOC-522/1	D/C DP+0	0									COMMON
							24	50	15881					
562	304	AP-523	523	D/C DP+4	4	10°21'15"LT					POANG BARI	91°33'52.7"	23°1'45.7"	COMMON
							26	26	15907	11kv,Metal Road				
563		AP-524	524	D/C DP+4	4	27°6'35"RT					POANG BARI	91°33'52.5"	23°1'44.8"	COMMON
							34	34	15941					
564	305	AP-525	525	D/C DP+0	0	37°8'21"RT					POANG BARI	91°33'51.6"	23°1'44.1"	COMMON
							31	31	15972	Vill Road				
565		AP-526	526	D/C DP+0	0	10°32'44"RT					POANG BARI	91°33'50.6"	23°1'43.9"	COMMON
							33	33	16005					
566	306	AP-527	527	D/C DP+0	0	15°17'23"LT					POANG BARI	91°33'49.4"	23°1'43.9"	COMMON
							37			Metal Road				
567	307		LOC-527/1	D/C DP+0	0									COMMON
							34							
568	308		LOC-527/2	D/C DP+0	0									COMMON
							42	113	16118	Metal Road				
569	309	AP-528	528	D/C DP+4	4	37°11'36"RT					POANG BARI	91°33'45.6"	23°1'43.1"	COMMON
							33	33	16151	Metal Road, 11Kv				
570	310	AP-529	529	D/C DP+4	4	5°15'41"LT					SRINAGAR	91°33'44.5"	23°1'43.5"	COMMON
							33	33	16184					
571	311	AP-530	530	D/C DP+0	0	15°34'16"LT					SRINAGAR	91°33'43.4"	23°1'43.9"	COMMON
							30	30	16214	11Kv				
572	312	AP-531	531	D/C FP+0	0	72°31'48"LT					SRINAGAR	91°33'42.3"	23°1'43.9"	COMMON
							9	9	16223	Metal Road				
573	313	AP-532	532	D/C FP+0	0						SRINAGAR	91°33'42.2"	23°1'43.7"	

Pole Schedule with normal pole and which are within permissible individual span limit and maximum limit of angle of deviation are Approved. Put on hold all crossing Spans Road/NH Crossings, Power line crossings, Railway crossings, River crossings etc & Spans Violating the maximum Individual span limit and maximum limits of angle of deviation. Separate detailed profile to be submitted for further Approval of the above Spans.

TECHNOFAB ENGINEERING LIMITED TRIPURA

Dilwar Alam
FE, PGCIL

R. GANESH MANI
SENIOR ENGR

M.C. Ram
Dy. Manager
NERPSIP-SATCHARD

10/11/2017

BUBMITTED BY:TECHNOFAB

PAGE-29/29

APPROVED BY:

ANNEXURE-IV

Approval & hold details of Detail Survey for 33KV Manughat-Srinagar line under package TRI-DMS-02																
Approved No of Normal Pole (+0M Extn) as per submitted drawing			Hold No of power line x-ing span(LT,11KV)	Hold No of Road/NH Xing	Hold no of River crossing	Hold No of +0M Extn (Nos)			Hold No of +2M Extn (Nos)			Hold No of +4M Extn(Nos)			Hold No of Span violations	Hold No of Angle violations
SP(GA01+GA02)	DP(GA03)	FP(GA04)				SP(GA02)	DP(GA03+GA06)	FP(GA04+GA07)	SP(GA01+GA02)	DP(GA03)	FP(GA04+GA07)	SP(GA01+GA02)	DP(GA03+GA06)	FP(GA04+GA07)		
150	(240*2)=480	(6*4)=24	93	0	0	2	(13*2)+(26*2)=78	(2*4)+(4*4)=24	8	(14*2)=28	0	29	(47*2)+(26*2)=146	(2*4)+(3*4)=20	3	3
Total= 654 Nos																

24/11/17

M.C. Ram
Dy. Manager
HEPS/P-SATCHAWD

2

ANNEXURE (VIII)

Approval & hold details of Detail Survey for 33KV Satchand-Srinagar line under package TRI-DMS-02																
Approved No of Normal Pole (+0M Extn) as per submitted drawing			Hold No of power line x-ing span(LT,11KV,66KV)	Hold No of Road/NH Xing/Railway crossing	Hold no of River crossing	Hold No of +0M Extn (Nos)			Hold No of +2M Extn (Nos)			Hold No of +4m Extn(Nos)			Hold No of Span violations	Hold No of Angle violations
SP(GA01 +GA02)	DP(GA03)	FP(GA04)				SP(GA01 +GA02)	DP(GA03+GA06)	FP(GA04)	SP(GA01 +GA02)	DP(GA03+GA06)	FP(GA04)	SP(GA01 +GA02)	DP(GA03+GA06)	FP(GA04+GA07)		
76	(78*2)=156	(2*4)=8	234	1+1=2	0	7	(6*2)+(10*2)=32	(3*4)=12	6	(95*2)+(2*2)=194	(2*4)=8	68	(150*2)+(10*2)=320	(14*4)+(1*4)=60	5	3
Total= 240 Nos																

14/11/17
M.C. Ram
Dy. Manager
KERPSIP-SATCHAND

* 11kV Crossing → 148 -

APPROVED BY:

DETAIL POLE SCHEDULE

LINK NAME: PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV SRINAGAR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
1	1	AP-1	1	FP+0	0						SATCHAND	91°38'2.4"	23°6'23.6"	
							30	30	30	LT Line				
2	2	AP-2	2	DP+2	2	11°31'52" LT					SATCHAND	91°38'2.5"	23°6'22.7"	USD DP+2 FOR PGCIL ADVICED
							26							
3	3		LOC-2/1	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							26	52	82					
4		AP-3	3	DP+2	2	10°27'9" LT					SATCHAND	91°38'3.1"	23°6'21.1"	
							37			LT LINE				
5			LOC-3/1	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							41							
6			LOC-3/2	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							37			LT Line				
7	4		LOC-3/3	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							40	155	237	LT Line				
8		AP-4	4	DP+2	2	5°13'49" LT					SATCHAND	91°38'5.9"	23°6'16.7"	USD DP+2 FOR PGCIL ADVICED
							42	42	279					
9	5	AP-5	5	DP+2	2	26°33'23" LT					SATCHAND	91°38'6.7"	23°6'15.6"	USD DP+2 FOR PGCIL ADVICED
							28	28	307					
10		AP-6	6	DP+2	2	13°38'28" LT					SATCHAND	91°38'7.6"	23°6'15.2"	USD DP+2 FOR PGCIL ADVICED
							26							
11			LOC-6/1	DP+4	4									
							26	52	359	2Nos LT Line				
12	6	AP-7	7	DP+4	4	25°58'13" RT					SATCHAND	91°38'9.3"	23°6'14.7"	
							29	29	388					
13	7	AP-8	8	DP+4	4	5°53'39" RT					SATCHAND	91°38'10.1"	23°6'14.1"	[illegible]
							25	25	413	2Nos LT Line, 2Nos 11Kv,Vill Road				
14	8	AP-9	9	DP+4	4	4°08'15" LT					SATCHAND	91°38'10.7"	23°6'13.5"	[illegible]
							45	45	458	LT Line				
15	9	AP-10	10	DP+4	4	8°27'39" LT					SATCHAND	91°38'11.9"	23°6'12.5"	USE DP+4 FOR POWER LINE
							28			Vill Road				
16			LOC-10/1	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							39							
17			LOC-10/2	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							39	106	564					
18	10	AP-11	11	DP+2	2	9°24'9" RT					SATCHAND	91°38'15"	23°6'10.6"	USD DP+2 FOR PGCIL ADVICED
							26							
19	11		LOC-11/1	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							26	52	616	Metal Road, LT Line				
20		AP-12	12	DP+2	2	13°9'38" RT					SATCHAND	91°38'16.7"	23°6'9.4"	USD DP+2 FOR PGCIL ADVICED
							44							

Hold

TECHNOFAB ENGINEERING LIMITED TRIPURA

Shuba Dan(AE)
POWERGRID

आर. गणेश मणि / R. Ganesh Mani
अभियंता / Engineer
पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

M.C. Ram
Dy. Manager
MERESIP-SATCHAND

SUBMITTED BY: TECHNOFAB

APPROVED BY:

DETAIL POLE SCHEDULE

LINK NAME: PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV SRINAGAR S/S

S. NO	AP NO AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
21			LOC-12/1	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							44							
22	12		LOC-12/2	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							44	132	748	LT Line,Vill Road				
23		AP-13	13	DP+2	2	5°43'28" RT					SATCHAND	91°38'18.8"	23°6'5.8"	USD DP+2 FOR PGCIL ADVICED
							35			Vill Road				
24			LOC-13/1	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							35			Vill Road				
25			LOC-13/2	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							33	103	851	LT LINE				
26	13	AP-14	14	DP+2	2	14°7'13" LT					SATCHAND	91°38'20.5"	23°6'2.8"	USD DP+2 FOR PGCIL ADVICED
							26	26	877					
27	14	AP-15	15	DP+2	2	16°31'39" LT					SATCHAND	91°38'21.1"	23°6'2.2"	USD DP+2 FOR PGCIL ADVICED
							30							
28			LOC-15/1	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							37			LT Line				
29	15		LOC-15/2	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							37	104	981					
30		AP-16	16	DP+4	4	5°8'39" RT					SATCHAND	91°38'24.3"	23°6'0.4"	
							26			11Kv,Metal Road				
31			LOC-16/1	DP+4	4									
							26	52	1033					
32	16	AP-17	17	DP+2	2	28°27'33" RT					SATCHAND	91°38'25.6"	23°5'59.4"	USD DP+2 FOR PGCIL ADVICED
							36							
33			LOC-17/1	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							41			LT Line,Metal Road				
34	17		LOC-17/2	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							44							
35			LOC-17/3	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							44	165	1198	Vill Road				
36	18	AP-18	18	FP+2	2	68°5'25" RT					SATCHAND	91°38'28"	23°5'54.5"	
							25	25	1223	NH-44				
37	19	AP-19	19	DP+2	2	40°33'9" LT					SATCHAND	91°38'27.4"	23°5'53.9"	USD DP+2 FOR PGCIL ADVICED
							45							
38			LOC-19/1	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							45	90	1313					
39	20	AP-20	20	DP+2	2	7°47'45" RT					SATCHAND	91°38'27.5"	23°5'50.9"	USD DP+2 FOR PGCIL ADVICED
							43							
40			LOC-20/1	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							43							
41			LOC-20/2	DP+2	2									USD DP+2 FOR PGCIL ADVICED

Hold

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY: TECHNO FAB

Shuba Das (AE)

आर. गणेश मणि / R. Ganesh Moni
अभियंता / Engineer
पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

M.C. Ram
Dy. Manager
KEXPEE-SATCHAND

APPROVED BY:

OWNER-T.S.E.C.L
CLNT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINK NAME: PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV SRINAGAR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							42			LT Line				
42	21		LOC-20/3	SP+0	0									
							43	171	1484	66Kv S/c,Nala				VERTICAL CLEARANCE NOT AVAILABLE IN UNDER CROSSING
43		AP-21	21	SP+0	0	0°10'53" LT					SATCHAND	91°38'26.9"	23°5'45.4"	USE DP AS SECTION POLE
							43							
44			LOC-21/1	DP+2	2									USB DP+2 FOR PGCIL ADVICED
							42			Nala				
45			LOC-21/2	DP+2	2									USB DP+2 FOR PGCIL ADVICED
							43							
46			LOC-21/3	DP+4	4									
							42	170	1654	Nala,2 No 11kv				
47	22	AP-22	22	DP+4	4	6°35'53" LT					SATCHAND	91°38'26.2"	23°5'39.9"	
							39			Metal Road				
48			LOC-22/1	DP+2	2									USB DP+2 FOR PGCIL ADVICED
							39							
49			LOC-22/2	DP+2	2									USB DP+2 FOR PGCIL ADVICED
							39							
50			LOC-22/3	DP+4	4									
							39	156	1810	LT Line				
51	23	AP-23	23	DP+4	4	4°2'5" RT					SATCHAND	91°38'26.3"	23°5'34.9"	USE DP+4 FOR POWER LINE CROSSING
							30	30	1840	Road				
52	24	AP-24	24	DP+2	2	13°42'13" LT					SATCHAND	91°38'26.2"	23°5'33.9"	USB DP+2 FOR PGCIL ADVICED
							52	52	1892	Pond				SPAN VIOLATION
53	25	AP-25	25	DP+4	4	6°14'36" RT					SATCHAND	91°38'26.5"	23°5'32.2"	
							30			Road, LT Line, 11Kv				
54			LOC-25/1	DP+4	4									
							30	60	1952					
55	26	AP-26	26	DP+2	2	6°28'50"LT					SATCHAND	91°38'26.3"	23°5'30.3"	USD DP+2 FOR PGCIL ADVICED
							44			LT Line				
56	27		LOC-26/1	DP+4	4									
							45							
57	28		LOC-26/2	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							45							
58			LOC-26/3	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							45	179	2131					
59	29	AP-27	27	DP+4	4	1°38'30" LT					SATCHAND	91°38'27.8"	23°5'24.6"	
							45	45	2176	2Nos 11Kv, LT Line, Road				
60	30	AP-28	28	DP+4	4	4°12'25" RT					SATCHAND	91°38'28.2"	23°5'23.1"	USE DP+4 FOR POWER LINE CROSSING

Hold

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY: TECHNO FAB

Sheba Das(AE)

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POWER GRID CORPORATION OF INDIA LIMITED

Dy. Manager

APPROVED BY:

DETAIL POLE SCHEDULE

LINK NAME: PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV SRINAGAR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							34							
61	31		LOC-28/1	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							35							
62			LOC-28/2	DP+4	4									
							35	104	2280	11KV				
63	33	AP-29	29	DP+4	4	0°15'34" LT					SATCHAND	91°38'28.7"	23°5'19.8"	
							42	42	2322	2Nos Road,LT LINE				
64		AP-30	30	DP+4	4	6°42'11"RT					SATCHAND	91°38'28.9"	23°5'18.4"	
							40							
65	34		LOC-30/1	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							32	72	2384					
66	35	AP-31	31	DP+2	2	14°49'18"RT					SATCHAND	91°38'29"	23°5'16.1"	USD DP+2 FOR PGCIL ADVICED
							29			LT LINE,Road				
67			LOC-31/1	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							29	58	2452					
68		AP-32	32	DP+2	2	8°58'32" LT					SATCHAND	91°38'28.6"	23°5'14.3"	USD DP+2 FOR PGCIL ADVICED
							29							
69			LOC-32/1	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							29	58	2510	Road				
70	36	AP-33	33	DP+2	2	2°11'6" RT					SATCHAND	91°38'28.5"	23°5'12.4"	USD DP+2 FOR PGCIL ADVICED
							29							
71			LOC-33/1	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							32	61	2571					
72		AP-34	34	DP+2	2	4°23'33" RT					SATCHAND	91°38'28.3"	23°5'10.4"	USD DP+2 FOR PGCIL ADVICED
							35							
73			LOC-34/1	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							35	70	2641	Road				
74	37	AP-35	35	DP+2	2	24°7'53" LT					SATCHAND	91°38'27.8"	23°5'8.2"	USD DP+2 FOR PGCIL ADVICED
							42							
75			LOC-35/1	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							34			LT Line				
76			LOC-35/2	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							28	104	2745					
77		AP-36	36	DP+2	2	4°12'18" LT					MANU	91°38'28.7"	23°5'4.9"	USD DP+2 FOR PGCIL ADVICED
							29	29	2774					
78	38	AP-37	37	DP+2	2	3°58'15" LT					MANU	91°38'29.1"	23°5'4"	USD DP+2 FOR PGCIL ADVICED
							42	42	2816					
79	39	AP-38	38	DP+2	2	32°41'14" LT					MANU	91°38'29.6"	23°5'2.7"	USD DP+2 FOR PGCIL ADVICED
							40							
80			LOC-38/1	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							40							

Hold

Shuba Das(AE)

आर. गणेश मणि / R. Ganesh Mani
अभियंता / Engineer
पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

M.C. Ram
Dy. Manager
TPSIP-SATCHA

SUBMITTED BY: TECHNO FAB

APPROVED BY:

DETAIL POLE SCHEDULE

LINK NAME: PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV SRINAGAR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
81			LOC-38/2	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							40							
82	40		LOC-38/3	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							40	160	2976	Nala				
83		AP-39	39	DP+2	2	3°43'18" RT					MANU	91°38'34.1"	23°4'59.6"	USD DP+2 FOR PGCIL ADVICED
							23							
84			LOC-39/1	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							23	46	3022	LT Line				
85	41	AP-40	40	DP+2	2	15°23'21" RT					MANU	91°38'35.4"	23°4'58.7"	USD DP+2 FOR PGCIL ADVICED
							27	27	3049					
86		AP-41	41	DP+2	2	9°42'22" RT					MANU	91°38'35.9"	23°4'58"	USD DP+2 FOR PGCIL ADVICED
							25	25	3074					
87	42	AP-42	42	DP+2	2	23°25'8" RT					MANU	91°38'36.3"	23°4'57.2"	USD DP+2 FOR PGCIL ADVICED
							40	40	3114	Nala				
88	43	AP-43	43	DP+2	2	2°58'32" RT					MANU	91°38'36.3"	23°4'55.9"	USD DP+2 FOR PGCIL ADVICED
							29							
89			LOC-43/1	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							28			Metal Road				
90	44		LOC-43/2	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							28	85	3199	Pond				
91		AP-44	44	DP+2	2	22°46'49" RT					MANU	91°38'36.3"	23°4'53.2"	
							29							
92			LOC-44/1	DP+4	4									
							32			11Kv. LT Line				
93	45		LOC-44/2	DP+4	4									
							40	101	3300	Nala				
94	46	AP-45	45	DP+2	2	15°35'51" RT					MANU	91°38'34.8"	23°4'50.2"	USD DP+2 FOR PGCIL ADVICED
							32	32	3332	Vill Road				
95	47	AP-46	46	DP+2	2	26°27'21" LT					MANU	91°38'34.1"	23°4'49.4"	USD DP+2 FOR PGCIL ADVICED
							37							
96			LOC-46/1	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							36							
97			LOC-46/2	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							36	109	3441					
98		AP-47	47	DP+2	2	4°49'42" LT					MANU	91°38'33.2"	23°4'45.9"	USD DP+2 FOR PGCIL ADVICED
							25							
99			LOC-47/1	DP+2	2									USD DP+2 FOR PGCIL ADVICED
							26	51	3492					
100	48	AP-48	48	DP+2	2	3°57'55" LT					MANU	91°38'31"	23°4'44.3"	USD DP+2 FOR PGCIL ADVICED
							24							
101			LOC-48/1	DP+2	2									USD DP+2 FOR PGCIL ADVICED

Hold

TECHNOFAB ENGINEERING LIMITED TRIPURA

Shabu Das (AE)

SUBMITTED BY: TECHNOFAB

आर. गणेश मणि / R. Ganesh Mani
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POWER GRID CORPORATION OF INDIA LIMITED

M.C. Rana
Dy. Manager
...PSIR-SATCHAND

APPROVED BY:

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							24	48	3540					
102	49	AP-49	49	DP+4	4	39°51'36" LT					MANU	91°38'32.9"	23°4'42.7"	
							27			Vill Road,LT Line+11Kv				
103			LOC-49/1	DP+4	4									
							26	53	3593					
104		AP-50	50	DP+2	2	22°14'16" LT					MANU	91°38'33.9"	23°4'41.3"	USD DP+2 FOR PGCIL ADVICED
							25	25	3618					
105	50	AP-51	51	DP+4	4	37°42'22"RT					MANU	91°38'34.7"	23°4'40.9"	
							26	26	3644	Metal Road, 2nos LT Line+11Kv				
106		AP-52	52	FP+4	4	[illegible] 5.0" RT					MANU	91°38'35"	23°4'40.1"	
							41	41	3685					
107		AP-53	53	D/C DP+0	0	08°23'24"LT					MANU	91°38'33.8"	23°4'39.8"	ONLINE WITH 11KV+LT LINE
							42	42	3727					
108		AP-54	54	DP+0	0	16°5'52"LT					MANU	91°38'32.2"	23°4'39.5"	
							42	42	3769					
109		AP-55	55	SP+0	0	6°55'38"RT					MANU	91°38'30.9"	23°4'38.8"	SP WITH ANGLE
							38	38	3807	Vill Road, LT Line				
110		AP-56	56	SP+0	0	2°12'21"LT					MANU	91°38'29.7"	23°4'38.3"	SP WITH ANGLE
							40							
111			LOC-56/1	SP+0	0									
							42	82	3889	Vill Road				
112		AP-57	57	DP+4	4	23°9'15"RT					MANU	91°38'27.1"	23°4'37.1"	
							41	41	3930	2Nos 11Kv+LT Line				
113		AP-58	58	SP+4	4	6°31'2"RT					MANU	91°38'25.7"	23°4'37"	SP WITH ANGLE
							42	42	3972					
114		AP-59	59	SP+0	0	7°21'47"RT					MANU	91°38'24.2"	23°4'37"	SP WITH ANGLE
							31	31	4003					
115		AP-60	60	SP+0	0	6°19'25"RT					MANU	91°38'23.2"	23°4'37.2"	SP WITH ANGLE
							35	35	4038	Metal Road, LT Line+11Kv, LT Line				
116		AP-61	61	DP+4	4	21°43'38"LT					MANU	91°38'22"	23°4'37.5"	
							42	42	4080	Metal Road, LT Line+11Kv				
117		AP-62	62	DP+4	4	20°19'13"RT					MANU	91°38'20.5"	23°4'37.4"	
							43	43	4123					
118		AP-63	63	DP+4	4	21°7'5"RT					MANU	91°38'19"	23°4'37.7"	
							43	43	4166	Metal Road, 11Kv+LT Line				
119		AP-64	64	DP+0	0	10°44'37"LT					MANU	91°38'17.8"	23°4'38.5"	
							42	42	4208					
120		AP-65	65	D/C DP+0	0	3°10'4"RT					MANU	91°38'16.5"	23°4'39.1"	ONLINE WITH 11KV+LT LINE
							42	42	4250					
121		AP-66	66	D/C DP+0	0	11°13'55"RT					MANU	91°38'15.2"	23°4'39.7"	ONLINE WITH 11KV+LT LINE
							36	36	4286					

Hold

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Shuba Das(AE)

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POWER GRID CORPORATION OF INDIA LIMITED

M.C. Rao
Dy. Manager
NERPSIP-SATCHAND

APPROVED BY:

APPROVED BY:

WNER-T.S.E.C.L
LINT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINK NAME: PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV SRINAGAR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
122		AP-67	67	SP+0	0	2°46'4"LT					MANU	91°38'14.2"	23°4'40.5"	SP WITH ANGLE
							38	38	4324	Metal Road				
123		AP-68	68	SP+4	4	7°1'27"RT					MANU	91°38'13.1"	23°4'41.2"	SP WITH ANGLE
							44			Metal Road, Vill Road,				
124			LOC-68/1	D/C DP+4	4									
							44	88	4412	Vill Road				
125		AP-69	69	D/C DP+0	0	3°50'0"LT					MANU	91°38'12"	23°4'42.2"	ONLINE WITH 11KV+LT LINE
							44	44	4456					
126		AP-70	70	DP+4	4	39°40'38"LT					MANU	91°38'10.9"	23°4'43.2"	
							36	36	4492	Vill Road, 2Nos 11Kv+LT Line				
127		AP-71	71	DP+4	4	12°8'57"LT					MANU	91°38'9.7"	23°4'44.1"	
							44	44	4536	Metal Road				
128		AP-72	72	SP+0	0	3°19'47"LT					MANU	91°38'8.4"	23°4'44.1"	SP WITH ANGLE
							45	45	4581	Mteal Road				
129		AP-73	73	D/C DP+0	0	7°19'56"LT					MANU	91°38'6.9"	23°4'43.8"	ONLINE WITH 11KV+LT LINE
							45	45	4626					
130		AP-74	74	DP+0	0	16°11'12"RT					MANU	91°38'5.4"	23°4'43.4"	
							42	42	4668					
131		AP-75	75	DP+0	0	17°41'44"RT					MANU	91°38'3.9"	23°4'42.8"	
							39	39	4707	Metal Road				
132		AP-76	76	FP+0	0	10°12'26"LT					MANU	91°38'2.5"	23°4'42.7"	USE FP FOR RAIL LINE CROSSING
							74	74	4781	U/C Rail Line Area				
133		AP-77	77	FP+0	0	6°4'24"LT					MANU	91°38'1.2"	23°4'43.1"	USE FP FOR RAIL LINE CROSSING
							40	40	4821					
134		AP-78	78	DP+0	0	14°13'22"RT					MANU	91°37'58.6"	23°4'43.6"	
							36	36	4857					
135		AP-79	79	DP+4	4	47°19'15"LT					MANU	91°37'57.2"	23°4'43.6"	
							42	42	4899	Metal Road, 11Kv+LT Line				
136		AP-80	80	DP+4	4	37°26'19"RT					MANU	91°37'56"	23°4'44"	
							37							
137			LOC-80/1	SP+4	4									
							41	78	4977	11Kv+LT Line				
138		AP-81	81	DP+2	2	11°10'43"LT					MANU	91°37'54.7"	23°4'43.4"	
							37	37	5014	Metal Road, LT Line				
139		AP-82	82	DP+2	2	35°50'37"RT					MANU	91°37'52"	23°4'43.7"	
							42	42	5056	11Kv				
140		AP-83	83	D/C DP+4	4	13°2'29"LT					MANU	91°37'50.7"	23°4'43.7"	ONLINE WITH 11KV+LT LINE
							44	44	5100					
141		AP-84	84	D/C DP+2	2	5°4'33"RT					MANU	91°37'49.5"	23°4'44.4"	ONLINE WITH 11KV+LT LINE
							45	45	5145	LT Line				
142		AP-85	85	DP+2	2	53°43'32"LT					MANU	91°37'48"	23°4'44.9"	

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POWER GRID CORPORATION OF INDIA LIMITED

M.C. Roy
Dy. Manager
NERPSIP-SATCHAND

APPROVED BY:

DETAIL POLE SCHEDULE

LINK NAME: PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV SRINAGAR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							42	42	5187					
143		AP-86	86	DP+2	2	19°49'30"LT				11Kv				
							45	45	5232		MANU	91°37'46.6"	23°4'45.5'	
144		AP-87	87	DP+2	2	31°0'57"LT				Metal Road				
							45	45	5277		MANU	91°37'45.3"	23°4'44.9'	
145		AP-88	88	DP+2	2	40°23'36"RT				Metal Road, 11Kv				
							41	41	5318		MANU	91°37'44.3"	23°4'43.8"	
146		AP-89	89	SP+4	4	5°42'8"RT				11Kv, Metal Road				
							45	45	5363		MANU	91°37'44"	23°4'42.4"	SP WITH ANGLE
147		AP-90	90	SP+4	4	5°39'7"RT				11Kv				
							44	44	5407		MANU	91°37'42.8"	23°4'41.5"	SP WITH ANGLE
148		AP-91	91	SP+0	0	4°52'11"LT								
							45	45	5452		MANU	91°37'41.5"	23°4'40.7"	SP WITH ANGLE
149		AP-92	92	FP+0	0	62°36'56"LT				2Nos Metal Road				
							44	44	5496		MANU	91°37'40.1"	23°4'40.1"	
150		AP-93	93	DP+0	0	32°21'44"LT								
							45	45	5541		MANU	91°37'38.8"	23°4'39.3"	
151	✓	AP-94	94	DP+0	0	1°0'24"RT								
							45	45	5586		MANU	91°37'38.9"	23°4'37.9"	
152		AP-95	95	DP+0	0	41°6'18"LT								
							44	44	5630		MANU	91°37'38.8"	23°4'36.7"	
153		AP-96	96	SP+0	0	5°29'49"LT								
							43	43	5673		MANU	91°37'40.5"	23°4'35.4"	SP WITH ANGLE
154		AP-97	97	DP+0	0	15°5'3"RT								
							45	45	5718		MANU	91°37'41.9"	23°4'34.8"	
155		AP-98	98	DP+0	0	38°56'41"RT								
							43	43	5761		MANU	91°37'43.3"	23°4'34.3"	
156		AP-99	99	SP+0	0	9°47'28"RT								
							46	46	5807		MANU	91°37'44.6"	23°4'33.4"	SP WITH ANGLE
157		AP-100	100	DP+0	0	11°19'51"LT								
							45	45	5852		MANU	91°37'45"	23°4'32"	
158		AP-101	101	DP+0	0	27°59'8"LT								
							44				MANU	91°37'46.1"	23°4'30.8"	
159			LOC-101/1	SP+0	0									
							45	89	5941					
160		AP-102	102	SP+0	0	7°19'45"LT								
							45	45	5986		MANU	91°37'45.8"	23°4'29.2"	SP WITH ANGLE
161		AP-103	103	SP+0	0	1°40'50"LT								
							45	45	6031		MANU	91°37'47.8"	23°4'27.1"	SP WITH ANGLE
162		AP-104	104	DP+0	0	12°5'41"RT								
							45	45	6076		MANU	91°37'48"	23°4'26.2"	

Hold

HOLD

TRIFUNA ENGINEERING LIMITED

Sheuba Das(AE)

SUBMITTED BY TEL/NO/SAL

डॉ. गणेश मणि / Dr. Ganesh Mani

POWER GRID CORPORATION OF INDIA LIMITED

M.C. Jain
Dy. Manager
RECEIPT-SATCHAND

APPROVED BY

DETAIL POLE SCHEDULE

LINK NAME: PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV SRINAGAR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
163		AP-105	105	SP+0	0	6°14'17"RT					MANU	91°37'50.3"	23°4'25.4"	SP WITH ANGLE
							45	45	6121					
164		AP-106	106	SP+0	0	7°24'29"RT					MANU	91°37'51.3"	23°4'24.3"	SP WITH ANGLE
							45	45	6166					
165		AP-107	107	DP+0	0	25°42'28"RT					MANU	91°37'52.3"	23°4'23.1"	
							45	45	6211					
166		AP-108	108	DP+0	0	56°28'34"LT					MANU	91°37'53"	23°4'21.8"	
							43	43	6254	Metal Road				
167		AP-109	109	DP+0	0	21°9'31"RT					MANU	91°37'53.1"	23°4'20.3"	
							45	45	6299					
168		AP-110	110	DP+0	0	33°20'11"LT					MANU	91°37'54.4"	23°4'19.6"	
							45	45	6344	Metal Road				
169		AP-111	111	SP+0	0	5°9'4"RT					MANU	91°37'55.3"	23°4'18.4"	SP WITH ANGLE
							45	45	6389					
170		AP-112	112	DP+0	0	18°18'46"LT					MANU	91°37'56.8"	23°4'18"	
							45	45	6434					
171		AP-113	113	DP+0	0	33°20'11"RT					MANU	91°37'58.3"	23°4'17.3"	
							45	45	6479	Metal Road				
172		AP-114	114	SP+0	0	5°6'33"LT					MANU	91°37'59.8"	23°4'17.2"	SP WITH ANGLE
							45	45	6524					
173		AP-115	115	DP+0	0	10°20'3"RT					MANU	91°38'1.1"	23°4'16.3"	
							45	45	6569					
174		AP-116	116	SP+0	0	8°34'26"LT					MANU	91°38'2.4"	23°4'15.4"	SP WITH ANGLE
							45	45	6614					
175		AP-117	117	DP+0	0	36°25'40"RT					MANU	91°38'3.5"	23°4'14.4"	
							43	43	6657					
176		AP-118	118	SP+0	0	6°54'15"RT					MANU	91°38'4.8"	23°4'13.5"	SP WITH ANGLE
							45	45	6702					
177		AP-119	119	DP+0	0	22°13'49"LT					MANU	91°38'5.2"	23°4'12.2"	
							32	32	6734	Metal Road				
178		AP-120	120	DP+0	0	42°49'59"RT					MANU	91°38'5.6"	23°4'10.8"	
							45	45	6779	Metal Road, Nala				
179		AP-121	121	SP+0	0	1°12'23"LT					MANU	91°38'6.1"	23°4'9.8"	SP WITH ANGLE
							44	44	6823					
180		AP-122	122	DP+0	0	12°44'35"LT					MANU	91°38'5.8"	23°4'8.5"	
							45	45	6868					
181		AP-123	123	DP+0	0	27°26'5"LT					MANU	91°38'5.6"	23°4'7"	
							45	45	6913					
182		AP-124	124	SP+0	0	7°19'0"LT					MANU	91°38'5.7"	23°4'5.6"	SP WITH ANGLE
							33	33	6946					
183		AP-125	125	DP+0	0	35°35'40"RT					MANU	91°38'6.5"	23°4'4.3"	

TECHNOFAB ENGINEERING LIMITED TRIPURA

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POWER GRID CORPORATION OF INDIA LIMITED

9/26

APPROVED BY:

OWNER-T.S.E.C.L
JOINT P.O.C.L.L

DETAIL POLE SCHEDULE

LINK NAME: PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV SRINAGAR S/S

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												EASTING	NORTHING	
							30			Metal Road				
184			LOC-125/1	SP+4	4									
							30	60	7006	LT Line				
185		AP-126	126	DP+4	4	56°20'14"RT					MANU	91°38'7.2"	23°4'3.5"	
							41							
186			LOC-126/1	SP+0	0									
							40	81	7087					
187	88	AP-127	127	FP+0	0	61°35'56" RT					MANU	91°38'5.1"	23°3'60"	
							24	24	7111					
188		AP-128	128	DP+0	0	13°25'30" LT					MANU	91°38'4.3"	23°4'0.3"	
							43							
189			LOC-128/1	SP+0	0									
							43							
190	89		LOC-128/2	SP+0	0									
							43	129	7240					
191	90	AP-129	129	DP+2	2	21°52'47" LT					MANU	91°37'59.9"	23°4'1.3"	
							35			11Kv				
192			LOC-129/1	SP+4	4									
							34	69	7309					
193	91	AP-130	130	SP+0	0	6°0'13"RT					MANU	91°37'57.5"	23°4'1"	SP WITH ANGLE
							35	35	7344					
194		AP-131	131	DP+4	4	18°3'18" LT					BHAIRAB DEWAN	91°37'56.3"	23°4'1"	
							31	31	7375	Vill Road, Metal Road, 11Kv				
195		AP-132	132	DP+4	4	35°21'27" RT					BHAIRAB DEWAN	91°37'55.2"	23°4'0.7"	
							29	29	7404					
196	92	AP-133	133	D/C DP+4	4	24°50'30" LT					BHAIRAB DEWAN	91°37'54.2"	23°4'0.5"	ON LINE WITH 11KV
							29							
197			LOC-133/1	SP+4	4									
							28	57	7461	11Kv, Metal Road				
198	93	AP-134	134	DP+4	4	51°24'13" LT					BHAIRAB DEWAN	91°37'52.3"	23°4'0.7"	
							27	27	7488					
199		AP-135	135	DP+4	4	18°13'6" LT					BHAIRAB DEWAN	91°37'51.8"	23°3'59.9"	
							27	27	7515	2Nos 11Kv, Metal Road				
200		AP-136	136	DP+4	4	15°59'21"RT					BHAIRAB DEWAN	91°37'51.6"	23°3'59.1"	
							32							
201	94		LOC-136/1	SP+0	0									
							33	65	7580					
202			LOC-136/2	SP+0	0									
							33			Metal Road				
203		AP-137	137	DP+0	0	27°10'22"RT					BHAIRAB DEWAN	91°37'50"	23°3'56.2"	
							31	64	7644					

Hold

Hold

Hold

TECHNOFAB ENGINEERING LIMITED TRIPURA
SURANTEED BY TECHNOFAB

Shuba Das (AE)

आर. गणेश मणि / R. Ganesh Mani
अभियंता / Engineer
पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

M.C. Ram
Dy. Manager
NERPSIP-SATCHAND

APPROVED BY:

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
204		AP-138	138	DP+0	0	30°56'7"RT					BHAIRAB DEWAN	91°37'49.1"	23°3'55.7"	
							27	27	7671					
205		AP-139	139	DP+0	0	30°21'30"LT					BHAIRAB DEWAN	91°37'48.1"	23°3'55.6"	
							30	30	7701	Metal Road				
206		AP-140	140	DP+0	0	32°33'36"LT					BHAIRAB DEWAN	91°37'47.2"	23°3'55.1"	
							30	30	7731					
207		AP-141	141	DP+0	0	41°21'27"RT					BHAIRAB DEWAN	91°37'46.8"	23°3'54.2"	
							31	31	7762					
208		AP-142	142	DP+0	0	27°10'11"RT					BHAIRAB DEWAN	91°37'45.8"	23°3'53.7"	
							26	26	7788					
209			LOC-142/1	SP+4	4									
							25			11Kv				
210		AP-143	143	DP+4	4	31°05'44"LT					BHAIRAB DEWAN	91°37'44.1"	23°3'53.8"	
							30	55	7843					
211		AP-144	144	DP+2	2	15°57'26"LT					BHAIRAB DEWAN	91°37'43.1"	23°3'53.3"	
							30	30	7873	11Kv				
212	95	AP-145	145	DP+2	2	31°30'17"RT					BHAIRAB DEWAN	91°37'42.4"	23°3'52.6"	
							29							
213			LOC-145/1	SP+0	0									
							29	58	7931	Metal Road				
214		AP-146	146	SP+0	0	5°4'59"RT					BHAIRAB DEWAN	91°37'40.4"	23°3'52.2"	SP WITH ANGLE
							23							
215			LOC-146/1	SP+4	4									
							29	52	7983	Metal Road,11kv				
216		AP-147	147	DP+2	2	20°38'58"RT					BHAIRAB DEWAN	91°37'38.6"	23°3'51.9"	
							24			11kv,Metal Road				
217			LOC-147/1	SP+2	2									
							26	50	8033					
218	96	AP-148	148	DP+0	0	30°59'52"RT					BHAIRAB DEWAN	91°37'36.9"	23°3'52.2"	
							28							
219			LOC-148/1	SP+4	4									
							28	56	8089	11kv				
220	97	AP-149	149	DP+2	2	45°37'10"LT					BHAIRAB DEWAN	91°37'35.4"	23°3'53.5"	
							30	30	8119	Metal Road				
221		AP-150	150	DP+0	0	33°27'52"RT					BHAIRAB DEWAN	91°37'34.4"	23°3'53.4"	
							42	42	8161	Vill Road				
222		AP-151	151	SP+2	2	8°49'43"RT					BHAIRAB DEWAN	91°37'33.1"	23°3'54.1"	SP WITH ANGLE
							45			LT Line				
223			LOC-151/1	SP+2	2									
							41	86	8247					
224	98		LOC-151/2	SP+2	2						BHAIRAB DEWAN			

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POWER GRID CORPORATION OF INDIA LIMITED

M.C. [illegible]
Dy. Manager
NERPSIP-SATCHAND

SUBMITTED BY: TECHNO FAB

APPROVED BY:

DETAIL POLE SCHEDULE

LINK NAME: PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV SRINAGAR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
225	99	AP-152	152	DP+2	2	22°15'31"LT	37			LT Line				
											BHAIRAB DEWAN	91°37'29.8"	23°3'56.7"	
226		AP-153	153	D/C DP+0	0	3°23'16"LT	29	66	8313					
											BHAIRAB DEWAN	91°37'28.8"	23°3'57"	ON LINE WITH 11KV
227		AP-154	154	D/C DP+0	0	7°4'49"RT	33	33	8346					
											BHAIRAB DEWAN	91°37'27.7"	23°3'57.2"	ON LINE WITH 11KV
228	100		LOC-154/1	SP+0	0		26							
229		AP-155	155	DP+4	4	20°20'28"RT	27	53	8399					
											BHAIRAB DEWAN	91°37'26"	23°3'57.9"	
230	101	AP-156	156	DP+4	4	25°29'11"LT	34	34	8433	Metal Road,2nos 11kv				
											BHAIRAB DEWAN	91°37'25.1"	23°3'58.6"	
231			LOC-156/1	SP+0	0		28	28	8461					
232		AP-157	157	SP+0	0	6°3'36"LT	24							
											BHAIRAB DEWAN	91°37'23.4"	23°3'59.1"	SP WITH ANGLE
233	102	AP-158	158	FP+4	4	72°24'10"LT	30	54	8515	Vill Road				
											BHAIRAB DEWAN	91°37'22.3"	23°3'59.3"	
234		AP-159	159	DP+4	4	34°6'56"RT	28	28	8543	2Nos 11Kv				
											BHAIRAB DEWAN	91°37'21.0"	23°3'58.5"	
235	103		LOC-159/1	SP+4	4		29							
236		AP-160	160	DP+4	4	29°34'31"LT	26	55	8598	2Nos 11Kv				
											BHAIRAB DEWAN	91°37'20.1"	23°3'57.7"	
237		AP-161	161	DP+2	2	33°37'23"LT	28	28	8626	11Kv				
											BHAIRAB DEWAN	91°37'19.6"	23°3'57"	
238		AP-162	162	DP+2	2	55°18'31"RT	33	33	8659	Metal Road,11kv				
											BHAIRAB DEWAN	91°37'19.6"	23°3'55.9"	
239		AP-163	163	SP+4	4	1°37'44"RT	34	34	8693	Metal Road,11kv				
											BHAIRAB DEWAN	91°37'18.6"	23°3'55.2"	SP WITH ANGLE
240		AP-164	164	DP+4	4	20°51'11"RT	34	34	8727					
											BHAIRAB DEWAN	91°37'17.6"	23°3'54.6"	
241		AP-165	165	D/C DP+4	4	8°10'53"LT	34	34	8761	2nos 11kv				
											BHAIRAB DEWAN	91°37'16.5"	23°3'54.4"	ON LINE WITH 11KV
242			LOC-165/1	SP+0	0		26							
243	104	AP-166	166	SP+0	0	5°12'2"RT	26	52	8813					
											BHAIRAB DEWAN	91°37'14.8"	23°3'53.8"	SP WITH ANGLE
244			LOC-166/1	D/C DP+0	0		27							
							30	57	8870					ON LINE WITH 11KV

Hold

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POWER GRID CORPORATION OF INDIA LIMITED

M.C. Ram
Dy. Manager
KERPSIP-SATCHAND

SUBMITTED BY: TECHNOFAB

APPROVED BY:

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
245		AP-167	167	DP+4	4	6°46'59"LT					BHAIRAB DEWAN PARA	91°37'12.8"	23°3'53.3"	USE DP+4 FOR POWER LINE CROSSING
							34	34	8904	11kv				
246	105	AP-168	168	SP+6	4	2°14'40"RT					BHAIRAB DEWAN	91°37'11.7"	23°3'52.9"	SP WITH ANGLE
							29							
247	106		LOC-168/1	SP+0	0									
							31	60	8964	Metal Road				
248		AP-169	169	SP+0	0	4°50'44"RT					BHAIRAB DEWAN	91°37'9.8"	23°3'52.2"	SP WITH ANGLE
							34							
249		AP-170	170	D/C DP+0	0	5°46'59"RT					BHAIRAB DEWAN	91°37'8.6"	23°3'51.9"	ON LINE WITH 11KV
							43	77	9041					
250	107		LOC-170/1	SP+4	4									
							45	45	9086	11kv				
251	108	AP-171	171	DP+4	4	26°01'24"RT					BHAIRAB DEWAN	91°37'5.6"	23°3'51.4"	
							34	34	9120	Metal Road				
252	109	AP-172	172	DP+0	0	34°25'31"LT					BHAIRAB DEWAN	91°37'4.4"	23°3'51.7"	
							30	30	9150	Metal Road				
253	110	AP-173	173	DP+0	0	30°15'37"RT					BHAIRAB DEWAN	91°37'3.4"	23°3'51.4"	
							32			Metal Road				
254	111	AP-174	174	SP+0	0	1°57'58"LT					BHAIRAB DEWAN	91°37'2.3"	23°3'51.7"	SP WITH ANGLE
							33			Metal Road				
255	112		LOC-174/1	SP+0	0									
							34	99	9249	Metal Road				
256	113	AP-175	175	SP+0	0	1°27'39"LT					BHAIRAB DEWAN	91°36'60"	23°3'52.1"	SP WITH ANGLE
							34	34	9283	Metal Road				
257		AP-176	176	DP+0	0	34°12'57"RT					BHAIRAB DEWAN	91°36'58.8"	23°3'52.3"	
							21	21	9304					
258	114	AP-177	177	DP+0	0	49°57'55"LT					BHAIRAB DEWAN	91°36'58.3"	23°3'52.8"	
							34	34	9338					
259	115	AP-178	178	DP+0	0	15°54'21"LT					BHAIRAB DEWAN	91°36'57.1"	23°3'52.7"	
							32	32	9370	Metal Road				
260		AP-179	179	DP+0	0	13°31'53"LT					BHAIRAB DEWAN	91°36'56.1"	23°3'52.3"	
							34			Metal Road				
261	116		LOC-179/1	SP+0	0									
							33	67	9437	Metal Road				
262	117	AP-180	180	DP+4	4	20°21'9"LT					BHAIRAB DEWAN	91°36'54.1"	23°3'51.1"	
							34	34	9471	Metal Road,2nos 11kv				
263	118	AP-181	181	DP+4	4	19°1'5"RT					BHAIRAB DEWAN	91°36'53.4"	23°3'50.3"	
							34	34	9505					
264	119	AP-182	182	DP+4	4	26°26'16"RT					BHAIRAB DEWAN	91°36'52.4"	23°3'49.6"	
							31	31	9536	Metal Road,2nos 11kv				

Hold

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Shuba Dan(AE)

SUBMITTED BY: TECHNO FAB

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POWER GRID CORPORATION OF INDIA LIMITED

M.C. Rana
Dy. Manager
KERPSIP-SATCHAND

APPROVED BY:

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SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
265		AP-183	183	FP+4	4	67°59'41"LT					BHAIRAB DEWAN	91°36'51.3"	23°3'49.5"	
							28			Metal Road,2nos 11kv				
266			LOC-183/1	SP+4	4									
							30	58	5594	Metal Road				
267		AP-184	184	DP+0	0	37°46'1"RT					BHAIRAB DEWAN	91°36'50.8"	23°3'47.6"	
							37	37	5631	Pond				
268		AP-185	185	DP+0	0	34°0'49"RT					BHAIRAB DEWAN	91°36'49.8"	23°3'46.9"	
							26	26	5657	11Kv, Metal Road				
269		AP-186	186	DP+4	4	20°50'35"LT					BHAIRAB DEWAN	91°36'48.9"	23°3'46.8"	
							27	27	5684	11kv				
270	122	AP-187	187	DP+4	4	33°34'41"LT					BHAIRAB DEWAN	91°36'48.1"	23°3'46.5"	
							36	36	5720	11kv				
271	123	AP-188	188	D/C DP+4	4	6°14'47"LT					BHAIRAB DEWAN	91°36'47.4"	23°3'45.5"	SP WITH ANGLE
							27	27	5747					
272	124	AP-189	189	DP+4	4	22°49'14"RT					BHAIRAB DEWAN	91°36'47"	23°3'44.7"	
							27	27	5774	11Kv				
273	125	AP-190	190	DP+4	4	19°2'36"RT					BHAIRAB DEWAN	91°36'46.3"	23°3'44.1"	
							29	29	5803					
274	126	AP-191	191	DP+4	4	21°17'56"LT					BHAIRAB DEWAN	91°36'45.4"	23°3'43.7"	
							24	24	5827					
275	127	AP-192	192	SP+4	4	7°36'45"LT					BHAIRAB DEWAN	91°36'44.8"	23°3'43.1"	SP WITH ANGLE
							35	35	5862	11kv				
276	128	AP-193	193	DP+4	4	27°41'46"LT					BHAIRAB DEWAN	91°36'44"	23°3'42.2"	
							25	25	5887					
277	129	AP-194	194	DP+4	4	31°48'18"LT					BHAIRAB DEWAN	91°36'43.9"	23°3'41.4"	
							25	25	5912	11Kv				
278	130	AP-195	195	DP+4	4	27°28'9"LT					BHAIRAB DEWAN	91°36'44.2"	23°3'40.7"	
							21	21	5933					
279		AP-196	196	DP+0	0	29°42'36"RT					BHAIRAB DEWAN	91°36'44.7"	23°3'40.2"	
							35	35	5968	Nala				
280	131	AP-197	197	DP+0	0	24°34'2"RT					SANKAR TILA	91°36'45.2"	23°3'39.2"	
							26							
281			LOC-197/1	SP+0	0									
							27	53	10021					
282	132	AP-198	198	SP+0	0	8°14'36"RT					SANKAR TILA	91°36'45"	23°3'37.5"	SP WITH ANGLE
							28	28	10049	Metal Road				
283	133	AP-199	199	DP+0	0	58°14'14"RT					SANKAR TILA	91°36'44.8"	23°3'36.6"	
							36	36	10085	Metal Road				
284	134	AP-200	200	SP+4	4	5°22'1"RT					SANKAR TILA	91°36'43.6"	23°3'36.2"	SP WITH ANGLE
							41	41	10126	11kv,Nala				
285	135	AP-201	201	SP+4	4	9°33'40"RT					SANKAR TILA	91°36'42.2"	23°3'35.9"	SP WITH ANGLE

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POWER GRID CORPORATION OF INDIA LIMITED

B.C. Roy
Dy. Manager
KERPEN-SATCHAND

DETAIL POLE SCHEDULE

LINK NAME: PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV SRINAGAR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
							29	29	10155	Vill Road, 11Kv				
286	136	AP-202	202	DP+4	4	25°34'26"RT					SANKAR TILA	91°36'41.1"	23°3'35.8'	
							28	28	10183					
287		AP-203	203	DP+0	0	22°9'8"LT					SANKAR TILA	91°36'40.2"	23°3'36.2'	
							26	26	10209	Metal Road				
288	137	AP-204	204	SP+0	0	6°15'27"LT					SANKAR TILA	91°36'39.3"	23°3'36.2'	SP WITH ANGLE
							29	29	10238					
289	138	AP-205	205	DP+4	4	14°38'58"RT					SANKAR TILA	91°36'38.3"	23°3'36.1'	
							30	30	10268	11kv				
290		AP-206	206	DP+4	4	24°15'2"RT					SANKAR TILA	91°36'37.3"	23°3'36.2'	
							29	29	10297					
291		AP-207	207	DP+2	2	34°1'27"LT					SANKAR TILA	91°36'36.4"	23°3'36.7'	
							30	30	10327					
292		AP-208	208	SP+0	0	4°48'49"RT					SANKAR TILA	91°36'35.4"	23°3'36.7'	SP WITH ANGLE
							27	27	10354					
293		AP-209	209	DP+0	0	15°50'07"LT					SANKAR TILA	91°36'34.4"	23°3'36.7'	
							27	27	10381					
294		AP-210	210	SP+0	0	4°20'46"LT					SANKAR TILA	91°36'33.5"	23°3'36.6'	SP WITH ANGLE
							29	29	10410					
295	139	AP-211	211	D/C DP+0	0	8°32'1"RT					SANKAR TILA	91°36'32.5"	23°3'36.3'	ON LINE WITH 11KV
							30	30	10440					
296	140	AP-212	212	SP+4	4	3°49'58"RT					SANKAR TILA	91°36'31.5"	23°3'36.1'	SP WITH ANGLE
							30	30	10470	11kv ,Metal Road				
297	141	AP-213	213	SP+4	4	1°21'56"LT					SANKAR TILA	91°36'30.4"	23°3'36.1'	SP WITH ANGLE
							41	41	10511	nala				
298	142	AP-214	214	DP+0	0	29°29'37"RT					SANKAR TILA	91°36'29"	23°3'35.9'	
							24	24	10535					
299	143	AP-215	215	DP+4	4	36°54'21"RT					SANKAR TILA	91°36'28.2"	23°3'36.2'	
							25	25	10560	2nos 11kv				
300	144	AP-216	216	FP+4	4	66°28'44"LT					SANKAR TILA	91°36'27.8"	23°3'37'	
							30	30	10590					
301	145	AP-217	217	DP+4	4	42°26'25"LT					SANKAR TILA	91°36'26.7"	23°3'36.9'	
							23	23	10613	11kv				
302		AP-218	218	SP+4	4	3°13'59"LT					SANKAR TILA	91°36'26.2"	23°3'36.3'	SP WITH ANGLE
							31	31	10644					
303	146	AP-219	219	DP+0	0	15°48'16"LT					SANKAR TILA	91°36'25.5"	23°3'35.5'	
							28	28	10672					
304		AP-220	220	DP+0	0	13°3'58"RT					SANKAR TILA	91°36'25.1"	23°3'34.7'	
							27	27	10699	Metal Road				
305		AP-221	221	DP+0	0	58°34'57"RT					SANKAR TILA	91°36'24.6"	23°3'34'	
							28	28	10727	Metal Road				

Hold

Hold

Hold

Hold

TECHNO FAB ENGINEERING LIMITED TRIPURA

Shuba Das (AE)

SUBMITTED BY: TECHNO FAB

आर. गणेश मणि / R. Ganesh Mani
अभियंता / Engineer
पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

M.C. Rana
Dy. Manager
PSP-SATCHAND

APPROVED BY:

DETAIL POLE SCHEDULE

LINK NAME: PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV SRINAGAR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
306		AP-222	222	SP+0	0	0°56'29"RT					SANKAR TILA	91°35'23.6"	23°3'34"	SP WITH ANGLE
							30	30	10757					
307		AP-223	223	DP+0	0	20°31'29"RT					SANKAR TILA	91°35'22.5"	23°3'34.1"	
							26	26	10783					
308		AP-224	224	DP+0	0	38°3'24"RT					SANKAR TILA	91°35'21.7"	23°3'34.4"	
							28							
309	147		LOC-224/1	SP+4	4									
							28	56	10839	2Nos 11kv				
310	148	AP-225	225	DP+4	4	36°58'0"LT					SANKAR TILA	91°35'20.8"	23°3'36"	
							32	32	10871					
311	149	AP-226	226	DP+4	4	49°03'08"LT					SANKAR TILA	91°35'19.8"	23°3'36.5"	
							26	26	10897	Metal Road,4nos 11kv				
312	150	AP-227	227	DP+4	4	55°25'8"LT					SANKAR TILA	91°35'18.9"	23°3'36.1"	
							28	28	10925					
313		AP-228	228	SP+0	0	2°3'33"RT					SANKAR TILA	91°35'18.8"	23°3'35.2"	SP WITH ANGLE
							25	25	10950					
314	151	AP-229	229	DP+4	4	14°28'57"LT					SANKAR TILA	91°35'18.6"	23°3'34.4"	
							34	34	10984	2nos 11kv				
315	152	AP-230	230	DP+4	4	52°0'38"LT					SANKAR TILA	91°35'18.6"	23°3'33.3"	
							28	28	11012	2nos 11kv, Metal Road				
316	153	AP-231	231	DP+4	4	39°1'37"RT					SANKAR TILA	91°35'19.4"	23°3'32.8"	
							29	29	11041					
317		AP-232	232	DP+0	0	16°10'54"RT					SANKAR TILA	91°35'19.7"	23°3'31.9"	
							26							
318	154		LOC-232/1	SP+0	0									
							30	56	11097					
319		AP-233	233	SP+4	4	6°17'26"LT					SANKAR TILA	91°35'19.6"	23°3'30.1"	SP WITH ANGLE
							26			11kv				
320			LOC-233/1	SP+4	4									
							25	51	11148	Metal Road				
321		AP-234	234	DP+0	0	15°20'29"LT					SANKAR TILA	91°35'19.8"	23°3'28.4"	
							26	26	11174					
322	156	AP-235	235	SP+4	4	2°52'51"RT					SANKAR TILA	91°35'20.1"	23°3'27.6"	SP WITH ANGLE
							26	26	11200	Metal Road,11kv				
323	157	AP-236	236	FP+2	2	112°2'38"RT					SANKAR TILA	91°35'20.4"	23°3'26.8"	
							26			Metal Road				
324			LOC-236/1	SP+0	0									
							25	51	11251					
325		AP-237	237	DP+4	4	21°54'24"LT					SANKAR TILA	91°35'18.6"	23°3'26.9"	
							27	27	11278	11kv				
326	158	AP-238	238	D/C DP+4	4	20°18'53"LT					SANKAR TILA	91°35'17.7"	23°3'26.6"	ON LINE WITH 11KV

Hold

Hold

Hold

Hold

Hold

TECHNOFAB ENGINEERING LIMITED TRIPURA

Shuba Das(AE)

SUBMITTED BY: TECHNO FAB

आर. गणेश मणि / R. Ganesh Mani
अभियंता / Engineer
पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

B.C. Ram
Dy. Manager
KERP SIP-SATCHAND

APPROVED BY:

DETAIL POLE SCHEDULE

LINK NAME: PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV SRINAGAR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							28	28	11306					
327			LOC-238/1	SP+0	0									
							29							
328	159	AP-239	239	DP+4	4	32°24'3"LT					SANKAR TILA	91°36'16.1"	23°3'25.5"	
							23	52	11358					
329		AP-240	240	DP+4	4	10°32'10"LT					SANKAR TILA	91°36'15.9"	23°3'24.8"	
							28	28	11386	11kv				
330	160		LOC-240/1	SP+4	4									
							26							
331		AP-241	241	DP+0	0	14°7'59"RT					SANKAR TILA	91°36'15.6"	23°3'23'	
							32	58	11444					
332	161	AP-242	242	DP+0	0	47°2'22"RT					SANKAR TILA	91°36'15.2"	23°3'22.1"	
							28							
333			LOC-242/1	SP+0	0									
							26	54	11498					
334		AP-243	243	D/C DP+4	4	18°9'25"RT					SANKAR TILA	91°36'13.4"	23°3'21.5"	
							23							
335			LOC-243/1	SP+0	0									
							23	46	11544					
336	162	AP-244	244	DP+0	0	20°18'38"LT					SANKAR TILA	91°36'11.8"	23°3'21.4"	
							28	28	11572					
337	163	AP-245	245	DP+4	4	46°57'52"LT					SANKAR TILA	91°36'10.9"	23°3'21.1"	
							29	29	11601	2nos 11kv,Metal Road				
338	164	AP-246	246	DP+4	4	29°47'50"RT					SANKAR TILA	91°36'10.5"	23°3'20.2"	
							26			2nos 11kv,Metal Road				
339	165	AP-247	247	SP+0	4	2°23'37"LT					SANKAR TILA	91°36'9.8"	23°3'19.6"	SP WITH ANGLE
							27	53	11664					
340			LOC-247/1	SP+0	0									
							28	28	11682					
341	166	AP-248	248	DP+0	0	11°3'57"RT					SANKAR TILA	91°36'8.4"	23°3'18.4"	
							29	29	11711					
342	167	AP-249	249	DP+4	4	33°18'18"LT					SANKAR TILA	91°36'7.5"	23°3'17.9"	
							24	24	11735	11kv,Metal Road				
343		AP-250	250	D/C DP+4	4	46°23'38"RT					SANKAR TILA	91°36'7.2"	23°3'17.2"	
							28			11kv,Metal Road				
344	168	AP-251	251	DP+4	4	17°51'48"LT					SANKAR TILA	91°36'6.2"	23°3'17'	
							26	54	11789					
345			LOC-251/1	SP+4	4									
							29	29	11818	11kv				
346	170	AP-252	252	DP+4	4	23°5'42"RT					SANKAR TILA	91°36'4.7"	23°3'15.9"	
							32	32	11850	11kv				

Hold

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Shuba Dari(AE)

SUBMITTED BY: TECHNOFAB

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POWER GRID CORPORATION OF INDIA LIMITED
17/26

APPROVED BY:

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
347	171	AP-253	253	DP+4	4	14°47'52"LT					SANKAR TILA	91°36'3.6"	23°3'15.7"	
							27	27	11877	Metal Road				
348	172	AP-254	254	DP+0	0	11°52'43"LT					SANKAR TILA	91°36'2.7"	23°3'15.3"	
							38			11KV				
349	173		LOC-254/1	SP+2	2									
							39	77	11954	Vill Road				
350	175	AP-255	255	DP+4	4	25°1'8"LT					SANKAR TILA	91°36'0.6"	23°3'13.7"	
							27	27	11981	11kv				
351	176	AP-256	256	SP+4	4	6°15'18"RT					SANKAR TILA	91°35'59.7"	23°3'13.5"	SP WITH ANGLE
							27	27	12008	2 Nos 11KV				
352		AP-257	257	DP+4	4	32°39'33"RT					BHAGIRATH PARA	91°35'58.8"	23°3'13.3"	
							26	26	12034	Metal Road				
353		AP-258	258	DP+0	0	42°24'29"LT					BHAGIRATH PARA	91°35'57.9"	23°3'13.7"	
							30	30	12064					
354		AP-259	259	SP+0	0	7°37'6"LT					BHAGIRATH PARA	91°35'56.9"	23°3'13.4"	ON LINE WITH 11KV
							24							
355	179		LOC-259/1	DP+4	4									ON LINE WITH 11KV
							24	48	12112	11kv,Metal Road				
356	180	AP-260	260	D/C DP+4	4	10°8'43"RT					BHAGIRATH PARA	91°35'55.4"	23°3'12.7"	
							30	30	12142					
357	181	AP-261	261	SP+4	4	0°27'51"RT					BHAGIRATH PARA	91°35'54.4"	23°3'12.4"	SP WITH ANGLE
							33	33	12175	11kv				
358		AP-262	262	DP+4	4	39°58'45"RT					BHAGIRATH PARA	91°35'53.3"	23°3'12.2"	
							30	30	12205	2nos 11kv,Metal Road				
359	182	AP-263	263	DP+4	4	23°59'53"LT					BHAGIRATH PARA	91°35'52.3"	23°3'12.6"	
							66	66	12271	VALLEY(SPAN VIOLATION)				SPAN VIOLATION
360		AP-264	264	DP+0	0	7°28'52"RT					BHAGIRATH PARA	91°35'50"	23°3'12.6"	
							32	32	12303					
361		AP-265	265	SP+0	0	7°42'47"LT					BHAGIRATH PARA	91°35'48.9"	23°3'12.8"	SP WITH ANGLE
							31	31	12334					
362	183	AP-266	266	DP+0	0	29°29'59"LT					BHAGIRATH PARA	91°35'47.8"	23°3'12.7"	
							30	30	12364					
363	184	AP-267	267	SP+0	0	9°18'57"RT					BHAGIRATH PARA	91°35'46.9"	23°3'12.2"	SP WITH ANGLE
							29	29	12393					
364		AP-268	268	SP+4	4	4°34'19"LT					BHAGIRATH PARA	91°35'46"	23°3'11.9"	SP WITH ANGLE
							26	26	12419	11kv,Metal Road				
365		AP-269	269	FP+4	4	68°02'52"RT					BHAGIRATH PARA	91°35'45.2"	23°3'11.5"	
							34	34	12453					
366		AP-270	270	SP+4	4	4°21'8"LT					BHAGIRATH PARA	91°35'44.3"	23°3'12.3"	SP WITH ANGLE
							30	30	12483	11kv,Metal Road				
367	185	AP-271	271	DP+4	4	24°8'29"LT					BHAGIRATH PARA	91°35'43.6"	23°3'13"	

Hold

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TECHNOFAB ENGINEERING LIMITED TRIPURA

Shuba Deo (AE)

SUBMITTED BY: TECHNO FAB

आर. गणेश मणि / R. Ganesh Mani
अभियंता / Engineer
पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

M.C. Ram
Sr. Manager
LP-SATCHAND

APPROVED BY:

APPROVED BY:

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							27	27	12510					
368	186	AP-272	272	DP+2	2	30°27'48"LT					BHAGIRATH PARA	91°35'42.7"	23°3'13.3"	
							29			11KV				
369	187		LOC-272/1	SP+4	4									
							30	59	12569					
370		AP-273	273	SP+4	4	4°0'58"LT					BHAGIRATH PARA	91°35'40.6"	23°3'13.1"	SP WITH ANGLE
							30	30	12599	11kv,LT Line,Metal Road				
371	188	AP-274	274	DP+4	4	42°36'25"RT					BHAGIRATH PARA	91°35'39.6"	23°3'12.9"	
							33	33	12632	11kv,LT Line,Metal Road				
372	189	AP-275	275	DP+4	4	49°15'53"LT					BHAGIRATH PARA	91°35'38.6"	23°3'13.4"	
							31	31	12663	2Nos LT Line+11Kv,Metal Road				
373	190	AP-276	276	DP+2	2	45°15'31"LT					BHAGIRATH PARA	91°35'37.5"	23°3'13.3"	
							30							
374	191		LOC-276/1	SP+4	4									
							30	60	12723	2Nos LT Line+11Kv				
375	192	AP-277	277	DP+4	4	20°9'57"RT					BHAGIRATH PARA	91°35'36.3"	23°3'11.7"	
							29	29	12752					
376		AP-278	278	DP+0	0	36°49'28"RT					BHAGIRATH PARA	91°35'35.5"	23°3'11.1"	
							30	30	12782					
377	193	AP-279	279	DP+4	4	14°58'53"LT					BHAGIRATH PARA	91°35'34.4"	23°3'11.2"	
							33	33	12815	2nos 11kv,2nosLT Line,Metal Road				
378	194	AP-280	280	FP+4	4	89°9'11"LT					BHAGIRATH PARA	91°35'33.3"	23°3'10.9"	
							32	32	12847	11 KV ,LT Line,Metal Road				
379		AP-281	281	DP+2	2	17°33'20"RT					BHAGIRATH PARA	91°35'33.5"	23°3'9.9"	
							27							
380	195		LOC-281/1	SP+0	0									
							30	57	12904					
381		AP-282	282	DP+0	0	34°57'17"LT					BHAGIRATH PARA	91°35'33.3"	23°3'8.1"	
							30	30	12934					
382		AP-283	283	DP+4	4	53°11'16"RT					BHAGIRATH PARA	91°35'33.9"	23°3'7.2"	
							28	28	12962	11kv,Metal Road				
383	196	AP-284	284	DP+4	4	25°24'6"RT					BHAGIRATH PARA	91°35'33.5"	23°3'6.4"	
							33	33	12995					
384		AP-285	285	SP+4	4	75°52'RT					BHAGIRATH PARA	91°35'32.6"	23°3'5.7"	SP WITH ANGLE
							31	31	13026	11kv,Metal Road				
385	197	AP-286	286	FP+4	4	60°39'46"LT					BHAGIRATH PARA	91°35'31.7"	23°3'5.1"	
							23							
386	198		LOC-286/1	SP+0	0									
							27	50	13076					

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TECHNO FABRICATION ENGINEERING LIMITED TRIPURA

Shuba Dan (AE)

SUBMITTED BY: TECHNO FAB.

आर. गणेश मणि / R. Ganesh Mani
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POWER GRID CORPORATION OF INDIA LIMITED
29/26

M.C. Ram
Dy. Manager
NERPSIP-SATCHAND

APPROVED BY:

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
387	199	AP-287	287	SP+0	0	7°59'47"LT					BHAGIRATH PARA	91°35'31.8"	23°3'3.5"	SP WITH ANGLE
							33	33	13109	LT Line,Metal Road				
388		AP-288	288	SP+4	4	4°48'58"LT					BHAGIRATH PARA	91°35'32.1"	23°3'2.4"	SP WITH ANGLE
							31			11kv				
389			LOC-288/1	SP+4	4									
							32	63	13172					
390	200	AP-289	289	DP+4	4	20°33'58"RT					BHAGIRATH PARA	91°35'32.7"	23°2'0.5"	
							31	31	13203	11kv,Metal Road				
391		AP-290	290	DP+4	4	45°47'42"LT					BHAGIRATH PARA	91°35'32.6"	23°2'59.5"	
							34	34	13237	LT Line,11kv,Metal Road				
392	201	AP-291	291	DP+4	4	45°7'31"LT					BHAGIRATH PARA	91°35'33.4"	23°2'58.7"	
							24	24	13261	11kv				
393	202	AP-292	292	DP+4	4	79°51'16"RT					BHAGIRATH PARA	91°35'34.3"	23°2'58.6"	
							27			Metal Road				
394	203		LOC-292/1	SP+0	0									
							32	59	13320					
395		AP-293	293	DP+4	4	49°38'47"RT					BHAGIRATH PARA	91°35'36"	23°2'57.6"	
							31	31	13351	11KV				
396		AP-294	294	SP+2	2	8°53'17"RT					BHAGIRATH PARA	91°35'36.2"	23°2'56.6"	SP WITH ANGLE
							33	33	13384					
397	204	AP-295	295	DP+4	4	13°38'36"RT					JOY SHING PARA	91°35'36.2"	23°2'55.5"	
							32	32	13416	11kv,Metal Road				
398		AP-296	296	DP+4	4	16°7'31"LT					JOY SHING PARA	91°35'35.9"	23°2'54.5"	
							34	34	13450	11kv,Metal Road				
399	205	AP-297	297	DP+4	4	54°1'42"RT					JOY SHING PARA	91°35'35.9"	23°2'53.4"	
							33			11kv				
400	206		LOC-297/1	SP+4	4									
							32	65	13515	Metal Road				
401	207	AP-298	298	SP+0	0	1°30'37"RT					JOY SHING PARA	91°35'34.1"	23°2'52.1"	SP WITH ANGLE
							33	33	13548					
402		AP-299	299	SP+0	0	9°5'44"RT					JOY SHING PARA	91°35'33.2"	23°2'51.5"	SP WITH ANGLE
							21	21	13569					
403		AP-300	300	DP+4	4	27°55'30"LT					JOY SHING PARA	91°35'32.5"	23°2'51.2"	
							29	29	13598	DC 11kv,Metal Road				
404		AP-301	301	DP+4	4	20°39'43"RT					JOY SHING PARA	91°35'31.8"	23°2'50.5"	
							31	31	13629					
405		AP-302	302	DP+0	0	53°57'05"RT					JOY SHING PARA	91°35'30.9"	23°2'50"	
							33	33	13662					
406	210	AP-303	303	DP+0	0	23°22'32"LT					JOY SHING PARA	91°35'29.8"	23°2'50.4"	
							29	29	13691	Metal Road				
407		AP-304	304	SP+0	0	3°37'27"LT					JOY SHING PARA	91°35'28.8"	23°2'50.5"	SP WITH ANGLE

Hold

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TECHNO FAB ENGINEERING LIMITED TRIPURA

Shuba Dan (AE)

SUBMITTED BY: TECHNO FAB.

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POWER GRID CORPORATION OF INDIA LIMITED

B.C. Roy
Dy. Manager
AGARTALA SATCHAND

APPROVED BY:

OWNER-T.S.E.C.L
CLINT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINK NAME: PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV SRINAGAR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							32	32	13723	Metal Road				
408		AP-305	305	DP+4	4	43°16'56"RT					JOY SHING PARA	91°35'27.7"	23°2'50.3"	
							33	33	13756	2nos 11kv,Metal Road,LT Line				
409		AP-306	306	DP+4	4	40°15'39"LT					JOY SHING PARA	91°35'26.7"	23°2'50.9"	
							28							
410	213		LOC-306/1	SP+0	0									
							27	55	13811					
411	214	AP-307	307	SP+4	4	8°27'1"LT					JOY SHING PARA	91°35'24.8"	23°2'50.7"	SP WITH ANGLE
							33	33	13844	11kv				
412		AP-308	308	DP+4	4	21°20'19"RT					JOY SHING PARA	91°35'23.6"	23°2'50.6"	
							29							
413			LOC-308/1	SP+0	0									
							33	62	13906					
414		AP-309	309	SP+4	4	6°42'29"LT					JOY SHING PARA	91°35'21.5"	23°2'50.7"	SP WITH ANGLE
							30	30	13936					TILA (EXTESION)
415		AP-310	310	DP+4	4	11°48'57"RT					JOY SHING PARA	91°35'20.5"	23°2'50.5"	
							30	30	13966					
416	216	AP-311	311	SP+0	0	6°40'22"RT					JOY SHING PARA	91°35'19.4"	23°2'50.9"	SP WITH ANGLE
							32	32	13998					
417	217	AP-312	312	SP+4	4	4°26'52"RT					JOY SHING PARA	91°35'18.4"	23°2'51.2"	SP WITH ANGLE
							45	45	14043	11kv				
418	218	AP-313	313	SP+4	4	9°5'5"RT					JOY SHING PARA	91°35'16.9"	23°2'51.8"	SP WITH ANGLE
							33	33	14076	11kv				
419	219	AP-314	314	D/T DP+4	4	17°7'5"LT					JOY SHING PARA	91°35'15.9"	23°2'52.3"	
							30	30	14106	11kv,Metal Road				
420	220	AP-315	315	DP+4	4	45°23'14"RT					JOY SHING PARA	91°35'14.9"	23°2'52.6"	
							32	32	14138	2nos 11kv,Metal Road				
421	221	AP-316	316	DP+4	4	19°27'26"LT					JOY SHING PARA	91°35'14.4"	23°2'53.5"	
							33	33	14171					
422	222	AP-317	317	DP+0	0	13°15'32"LT					JOY SHING PARA	91°35'13.5"	23°2'54.2"	
							29							
423	223	AP-318	318	DP+4	4	15°18'05"LT								
							31	60	14231	2 Nos 11kv,Metal Road				
424		AP-319	319	DP+4	4	15°08'08"RT					JOY SHING PARA	91°35'11.6"	23°2'55.1"	
							34	34	14265					
425		AP-320	320	SP+0	0	08°01'38"LT					JOY SHING PARA	91°35'10.5"	23°2'55.4"	SP WITH ANGLE
							30	30	14295					
426	224	AP-321	321	DP+4	4	57°13'1"RT					JOY SHING PARA	91°35'9.5"	23°2'55.7"	
							30	30	14325	2nos 11kv				
427		AP-322	322	DP+4	4	64°50'10"LT					JOY SHING PARA	91°35'9.2"	23°2'56.6"	
							31	31	14356	Metal Road				

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TECHNOFAB ENGINEERING LIMITED TRIPURA

Shuba Das(AE)

SUBMITTED BY: TECHNO FAB

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अभियंता / Engineer
पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

M.C. Rao
Dy. Manager
PGCIL-SATCHAND

APPROVED BY:

DETAIL POLE SCHEDULE

LINK NAME: PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV SRINAGAR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
428		AP-323	323	SP+4	4	0°20'22"LT					JOY SHING PARA	91°35'8.2"	23°2'56.9"	SP WITH ANGLE
							31	31	14387	2nos 11kv,Metal Road				
429		AP-324	324	SP+4	4	2°14'58"LT					JOY SHING PARA	91°35'7.1"	23°2'57.1"	SP WITH ANGLE
							33	33	14420	Metal Road				
430		AP-325	325	D/C DP+2	2	1°30'55"LT					JOY SHING PARA	91°35'6"	23°2'57.3"	ON LINE 11 Kv
							31			11kv,Metal Road				
431			LOC-325/1	SP+4	4									
							34	65	14485	2nos 11kv,Metal Road				
432	326	AP-326	326	FP+4	4	71°24'06"LT					JOY SHING PARA	91°35'3.8"	23°2'57.9"	
							32	32	14517	2nos 11kv ,Metal Road				
433		AP-327	327	SP+4	4	2°57'36"LT					JOY SHING PARA	91°35'3.1"	23°2'57.1"	SP WITH ANGLE
							32	32	14549					
434		AP-328	328	SP+0	0	3°53'3"RT					JOY SHING PARA	91°35'2.6"	23°2'56.2"	SP WITH ANGLE
							32	32	14581	Metal Road				
435		AP-329	329	DP+4	4	35°21'15"RT					JOY SHING PARA	91°35'1.9"	23°2'55.3"	
							32	32	14613	11kv				
436	227	AP-330	330	DP+4	4	28°27'7"LT					JOY SHING PARA	91°35'0.8"	23°2'55"	
							32	32	14645	11kv ,Metal Road				
437		AP-331	331	SP+4	4	9°31'25"RT					JOY SHING PARA	91°35'0.1"	23°2'54.2"	SP WITH ANGLE
							33	33	14678					
438		AP-332	332	DP+4	4	52°54'56"RT					JOY SHING PARA	91°34'59.2"	23°2'53.6"	
							34	34	14712	11kv ,Metal Road				
439	229	AP-333	333	SP+4	4	8°47'15"LT					JOY SHING PARA	91°34'58"	23°2'53.9"	SP WITH ANGLE
							27	27	14739	Metal Road				
440	230	AP-334	334	DP+4	4	55°09'57"LT					JOY SHING PARA	91°34'57.1"	23°2'54"	
							32	32	14771	11kv				
441		AP-335	335	DP+4	4	37°46'51"LT					JOY SHING PARA	91°34'56.3"	23°2'53.2"	
							33	33	14804	11kv,Metal Road				
442	231	AP-336	336	DP+4	4	18°10'37"LT					JOY SHING PARA	91°34'56.3"	23°2'52.1"	
							40							
443	232		LOC-336/1	SP+0	0									
							39							
444			LOC-336/2	SP+0	0									
							39	118	14922					
445		AP-337	337	DP+0	0	24°0'33"RT					JOY SHING PARA	91°34'57.3"	23°2'48.4"	
							28							
446			LOC-337/1	SP+0	0									
							28	56	14978					
447	234	AP-338	338	DP+0	0	15°3'28"RT					JOY SHING PARA	91°34'57"	23°2'46.6"	
							28	28	15006					
448		AP-339	339	DP+4	4	17°7'51"RT					JOY SHING PARA	91°34'56.6"	23°2'45.8"	

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Shuba Dan(AE)

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पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

M.C. Das
Dy. Manager
REMPSIP-SATCHAND

APPROVED BY:

OWNER-T.S.E.C.L
CUNT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINK NAME: PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV SRINAGAR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							29	29	15035	11kv,Metal Road				
449		AP-340	340	DP+4	4	31°12'47"LT					JOY SHING PARA	91°34'55.9"	23°2'45.1"	
							34							
450			LOC-340/1	SP+0	0									
							34	68	15103					
451	236	AP-341	341	DP+4	4	31°38'14"RT					JOY SHING PARA	91°34'55.5"	23°2'42.9"	
							32	32	15135	11kv,Metal Road				
452		AP-342	342	SP+4	4	9°56'9"RT					JOY SHING PARA	91°34'54.7"	23°2'42.1"	SP WITH ANGLE
							25	25	15160	Metal Road				
453	237	AP-343	343	SP+0	0	4°21'13"RT					JOY SHING PARA	91°34'54"	23°2'41.6"	SP WITH ANGLE
							27			Metal Road				
454			LOC-343/1	SP+0	0									
							34	61	15221	Metal Road				
455	239	AP-344	344	DP+4	4	15°33'3"LT					JOY SHING PARA	91°34'52.2"	23°2'40.5"	
							32			11kv				
456			LOC-344/1	SP+4	4									
							30	62	15283	11kv				
457	240	AP-345	345	DP+4	4	22°58'9"LT					JOY SHING PARA	91°34'50.8"	23°2'39"	
							37			Metal Road				
458			LOC-345/1	SP+0	0									
							37							
459	241		LOC-345/2	SP+0	0									
							37	111	15394					
460		AP-346	346	FP+4	4	74°39'21"LT					JOY SHING PARA	91°34'49.6"	23°2'35.5"	
							34	34	15428	Metal Road,11kv				
461		AP-347	347	FP+4	4	94°44'47"RT					JOY SHING PARA	91°34'50.65"	23°2'34.93"	
							33	33	15461	Metal Road				
462	242	AP-348	348	DP+0	0	17°19'56"RT					JOY SHING PARA	91°34'49.9"	23°2'34.1"	
							32							
463			LOC-348/1	SP+4	4									
							30	62	15523	2nos 11kv				
464	244	AP-349	349	DP+4	4	33°50'14"RT					JOY SHING PARA	91°34'48.2"	23°2'32.9"	
							27	27	15550					
465		AP-350	350	DP+4	4	21°35'24"RT					JOY SHING PARA	91°34'47.2"	23°2'32.9"	
							29	29	15579	11kv				
466		AP-351	351	FP+4	4	64°32'25"LT					JOY SHING PARA	91°34'46.3"	23°2'33.3"	
							44							
467			LOC-351/1	SP+0	0									
							45	89	15668					
468		AP-352	352	DP+0	0	20°50'58"LT					JOY SHING PARA	91°34'44"	23°2'31.2"	
							33	33	15701					

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POWER GRID CORPORATION OF INDIA LIMITED

M.C. Ram
Dy. Manager
NERPSIP-SAT

SUBMITTED BY: TECHNO FAB

APPROVED BY:

DETAIL POLE SCHEDULE

LINK NAME: PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV SRINAGAR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
469		AP-353	353	DP+4	4	20°42'51"LT					JOY SHING PARA	91°34'43.5"	23°2'30.3"	
							34	34	15735	11kv,Metal Road				
470	247	AP-354	354	DP+4	4	55°25'46"RT					JOY SHING PARA	91°34'43.4"	23°2'29.2"	
							30	30	15765	11kv				
471		AP-355	355	DP+4	4	26°23'19"LT					JOY SHING PARA	91°34'42.5"	23°2'28.7"	
							28	28	15793					
472		AP-356	356	DP+0	0	14°16'12"RT					JOY SHING PARA	91°34'42"	23°2'27.9"	
							28	28	15821	Metal Road				
473	249	AP-357	357	SP+0	0	8°6'39"RT					JOY SHING PARA	91°34'41.2"	23°2'27.3"	SP WITH ANGLE
							27			Metal Road				
474	250		LOC-357/1	SP+4	4									
							27	54	15875	11kv				
475		AP-358	358	DP+4	4	20°8'24"RT					JOY SHING PARA	91°34'39.7"	23°2'26.3"	
							34	34	15909	11kv,Metal Road				
476		AP-359	359	SP+4	4	9°51'45"LT					JOY SHING PARA	91°34'38.5"	23°2'26.1"	SP WITH ANGLE
							29							
477	251		LOC-359/1	SP+0	0									
							31	60	15969					
478		AP-360	360	DP+4	4	20°14'59"RT					JOY SHING PARA	91°34'36.6"	23°2'25.3"	
							31	31	16000	11kv				
479		AP-361	361	DP+4	4	51°11'29"RT					JOY SHING PARA	91°34'35.5"	23°2'25.2"	
							24	24	16024	11kv				
480		AP-362	362	DP+4	4	16°34'6"LT					JOY SHING PARA	91°34'34.9"	23°2'25.8"	
							27							
481		AP-363	363	DP+4	4	50°50'9"LT					JOY SHING PARA	91°34'34.1"	23°2'26.3"	
							34	61	16085	11kv				
482			LOC-363/1	SP+4	4									
							30	30	16115					
483	254	AP-364	364	DP+0	0	13°32'46"LT					JOY SHING PARA	91°34'32"	23°2'25.5"	
							31	31	16146	Metal Road				
484	255	AP-365	365	DP+0	0	30°35'15"LT					JOY SHING PARA	91°34'31.1"	23°2'25"	
							31	31	16177					
485		AP-366	366	DP+0	0	24°52'21"LT					JOY SHING PARA	91°34'30.6"	23°2'24.1"	
							24	24	16201	Metal Road				
486	256	AP-367	367	DP+0	0	28°44'49"RT					JOY SHING PARA	91°34'30.6"	23°2'23.3"	
							49	49	16250	VALLEY(SPAN VIOLATION)				SPAN VIOLATION
487		AP-368	368	DP+4	4	23°12'10"LT					JOY SHING PARA	91°34'29.7"	23°2'21.9"	
							26	26	16276	11kv,Metal Road				
488	257	AP-369	369	DP+4	4	33°5'32"LT					JOY SHING PARA	91°34'29.6"	23°2'21.1"	
							33			11kv				
489	258		LOC-369/1	SP+4	4									

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POWER GRID CORPORATION OF INDIA LIMITED

M.C. Ram
Dy. Manager
KERPSHP-SATCHAND

APPROVED BY:

OWNER-T.S.E.C.L
CLNT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINK NAME: PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV SRINAGAR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							34	67	16343	Metal Road				
490		AP-370	370	DP+0	0	21°34'52"RT					JOY SHING PARA	91°34'30.7"	23°2'19.1"	
							41	41	16384					
491		AP-371	371	DP+4	4	26°01'43"RT					JOY SHING PARA	91°34'30.8"	23°2'17.8"	
							44	44	16428	11kv,Metal Road				
492		AP-372	372	FP+4	4	77°36'49"LT					JOY SHING PARA	91°34'30.22"	23°2'16.44"	
							43	43	16471	11KV				
493		AP-373	373	FP+4	4	88°01'47"RT					JOY SHING PARA	91°34'31.5"	23°2'15.7"	
							33	33	16504					
494		AP-374	374	DP+4	4	21°33'33"LT					JOY SHING PARA	91°34'30.9"	23°2'14.8"	
							28	28	16532	11kv,Metal Road				
495		AP-375	375	DP+4	4	26°58'45"LT					JOY SHING PARA	91°34'30.7"	23°2'13.9"	
							33	33	16565	11kv,Metal Road				
496		AP-376	376	SP+4	4	6°35'10"RT					JOY SHING PARA	91°34'31"	23°2'12.8"	SP WITH ANGLE
							33	33	16598					
497		AP-377	377	DP+0	0	10°14'57"RT					JOY SHING PARA	91°34'31.2"	23°2'11.8"	
							43			Metal Road				
498	261		LOC-377/1	SP+0	0									
							43	86	16684					
499		AP-378	378	DP+0	0	10°06'44"RT					JOY SHING PARA	91°34'31.2"	23°2'8.9"	
							31	31	16715					
500	263	AP-379	379	SP+4	4	2°58'33"LT					JOY SHING PARA	91°34'31"	23°2'7.9"	SP WITH ANGLE
							32	32	16747	11kv,LT Line				
501		AP-380	380	DP+4	4	23°11'29"RT					JOY SHING PARA	91°34'30.9"	23°2'6.9"	
							31	31	16778					
502		AP-381	381	SP+4	4	2°29'9"LT					JOY SHING PARA	91°34'30.4"	23°2'6"	SP WITH ANGLE
							33	33	16811	11kv,Metal Road				
503		AP-382	382	DP+4	4	38°13'36"LT					JOY SHING PARA	91°34'29.8"	23°2'5.1"	
							32			Metal Road				
504	264		LOC-382/1	SP+4	4									
							32	64	16875	11kv,LT Line				
505		AP-383	383	SP+4	4	3°52'56"LT					JOY SHING PARA	91°34'30.2"	23°2'3"	SP WITH ANGLE
							30	30	16905					
506	265	AP-384	384	DP+0	0	24°58'6"LT					JOY SHING PARA	91°34'30.5"	23°2'2.1"	
							26	26	16931					
507		AP-385	385	DP+4	4	40°17'4"RT					JOY SHING PARA	91°34'31.1"	23°2'1.4"	
							25	25	16956	11kv				
508		AP-386	386	DP+4	4	21°59'30"LT					POANG BARI	91°34'31.1"	23°2'0.6"	
							32							
509			LOC-386/1	SP+4	4									
							32	64	17020	11KV				

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POWER GRID CORPORATION OF INDIA LIMITED

Dy. Manager
KUMPAT-AGARTALA

APPROVED BY:

DETAIL POLE SCHEDULE

LINK NAME: PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV SRINAGAR S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
510	267	AP-387	387	DP+4	4	43°41'25"RT					POANG BARI	91°34'31.9"	23°1'58.7"	
							26	26	17046					
511	268	AP-388	388	SP+0	0	4°33'51"LT					POANG BARI	91°34'31.5"	23°1'57.9"	SP WITH ANGLE
							28							
512			LOC-388/1	SP+4	4									
							34	62	17108	11kv,LT line				
513	269	AP-389	389	DP+4	4	38°28'14"RT					POANG BARI	91°34'30.9"	23°1'56"	
							34	34	17142	2nos 11kv,LT Line				
514		AP-390	390	DP+4	4	37°50'15"RT					POANG BARI	91°34'29.9"	23°1'55.4"	
							29	29	17171	11kv,LT line				
515		AP-391	391	DP+4	4	21°46'21"LT					POANG BARI	91°34'28.8"	23°1'55.5"	
							32	32	17203	Metal Road				
516	270	AP-392	392	DP+4	4	43°28'31"LT					POANG BARI	91°34'27.8"	23°1'55.1"	
							30	30	17233	11kv,Metal Road				
517	271	AP-393	393	DP+4	4	22°10'7"RT					POANG BARI	91°34'27.3"	23°1'54.3"	
							31							
518			LOC-393/1	SP+4	4									
							32	63	17296	11kv				
519	272	AP-394	394	DP+4	4	31°39'49"LT					POANG BARI	91°34'25.5"	23°1'53"	
							31	31	17327					
520	273	AP-395	395	DP+0	0	32°45'24"LT					POANG BARI	91°34'25.2"	23°1'52.1"	
							33	33	17360					
521		AP-396	396	DP+4	4	25°55'48"LT					POANG BARI	91°34'25.4"	23°1'51"	
							34	34	17394	11kv				
522		AP-397	397	DP+4	4	36°33'20"RT					POANG BARI	91°34'26.2"	23°1'50.2"	
							34			11kv				
523			LOC-397/1	SP+4	4									
							30	64	17458					
524		AP-398	398	DP+0	0	22°31'49"LT					POANG BARI	91°34'26.5"	23°1'48.1"	
							33	33	17491	Metal Road				
525		AP-399	399	DP+4	4	32°26'25"LT					POANG BARI	91°34'26.8"	23°1'47.1"	
							31	31	17522	11kv,Metal Road				
526	274	AP-400	400	DP+4	4	51°52'1"RT					POANG BARI	91°34'27.7"	23°1'46.6"	
							32	32	17554					
527		AP-401	401	SP+4	4	4°54'34"RT					POANG BARI	91°34'27.8"	23°1'45.5"	SP WITH ANGLE
							29	29	17583	11kv,Metal Road				
528		AP-402	402	SP+4	4	1°55'53"LT					POANG BARI	91°34'27.8"	23°1'44.6"	SP WITH ANGLE
							30	30	17613	11kv,Metal Road				
529	275	AP-403	403	DP+4	4	27°48'45"RT					POANG BARI	91°34'27.8"	23°1'43.6"	
							31	31	17644	11kv,Metal Road				
530		AP-404	404	D/C FP+4	4	6°54'50"LT					POANG BARI	91°34'27.4"	23°1'42.7"	

Hold

Hold

Hold

Hold

* Note - 33 KV Line Satchand to Srinagar (AP 404 to join in AP-487 at village Fungbari) & Manughat to Srinagar (AP-487 to AP-532) DCDP Circuit (Distance 1.705 km) because no any space to separate two lines).

Shuba Das (AE)

TECHNO-ABE ENGINEERING LIMITED TRIPURA

SUBMITTED BY: TECHNO-ABE

Engineer

POWER GRID CORPORATION OF INDIA LIMITED

R.C. Ram
Dy. Manager
PGCIL-SATCHAND

APPROVED BY:

APPROVED BY:

POLE SUMMARY DETAILS

TRIPURA STATE ASSOCIATED WITH NER POWER SYSTEM IMPROVEMENT PROJECT (DMS PACKAGE-02)

CC-CS/86-NER/REW-2985/1/G2/NOA 1&11/7145 &7146 Dated 20/01/2017

LINE NAME: TO PROPOSED 132/33KV SATCHAND S/S TO PROPOSED 33/11 KV SRINAGAR S/S

TOTAL LINE LENGTH: 17.644 km

S.No.	Type of Pole	Extension	Pole Qty	12 m Pole	14 m Pole	16 m Pole	Remarks
1	SP (GA-01)	0 m	37	37			
2		2 m	4		4		
3		4 m	29			29	
4	SP (GA-02)	0 m	46	46			
5		2 m	2		2		
6		4 m	39			39	
7	DP (GA-03)	0 m	84	168			
8		2 m	95		190		
9		4 m	150			300	
10	FP (GA-04)	0 m	5	20			
11		2 m	2		8		
12		4 m	14			56	
13	SP (Double Circuit)GA-05	0 m	0	0			
14		2 m	0		0		
15		4 m	0			0	
16	DP (Double Circuit)GA-06	0 m	10	20			
17		2 m	2		4		
18		4 m	10			20	
19	FP (Double Circuit)GA.07	0 m	0	0			
20		2 m	0		0		
21		4 m	1			4	
	TOTAL			291	208	448	

TECHNOFAB ENGINEERING LIMITED TRIPURA

Shuba Dan (AE)

आर. गणेश मणि / R. Ganesh Mani
अभियंता / Engineer
पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

Dy. Manager
SEEPIP-SATCHAND

APPROVED BY

LINK NAME:PROPOSED 132/33KV SATCHAND S/S TO PROPOSED 33/11 KV SRINAGAR S/S				
S.No.	Description	Unit	Quantity	Remarks
A	Pole Height			
1	0 m Extension	291		
2	2 m Extension	208		
3	4 m Extension	448		
B	Crossings			
1	LT Line Crossing	59		
2	11 kV Crossing	174		
4	66 kV Crossing	1		
8	NH Crossing	1		
C	River Crossing	NIL		
D	Nala Crossing	10		
E	Road Crossing			
1	Metalled Road	136		
2	Village	17		
F	Span Violation	3		
G	Angle Violation	3		

Note: We have approved 12 m Pole Drawing (0 m Extension) and we have proposed 14 m Pole (2 m Extension) and 16 m Pole (4 m Extension) for crossings.

TECHNOFAB ENGINEERING LIMITED TRIPURA

Shuba Das (AE)

Ganesh Mani
Engineer
POWER GRID CORPORATION OF INDIA LIMITED

ANNEXURE-I

Approval & hold details of Detail Survey for 33KV Hrishyamukh-Srinagar line under package TRI-DMS-02																
Approved No of Normal Pole (+0M Extn) as per submitted drawing			Hold No of power line x-ing span(LT,11KV)	Hold No of Road/NH Xing	Hold no of River crossing	Hold No of +0M Extn (Nos)			Hold No of +3Mtr Extn (Nos)			Hold No of +6m Extn(Nos)			Hold No of Span violations	Hold No of Angle violations
SP(GA01+GA02)	DP(GA05)	FP(GA04)				SP(GA01+GA02)	DP(GA03+GA05)	FP(GA04)	SP(GA01+GA02)	DP(GA03+GA06)	FP(GA04+GA07)	SP(GA01+GA02)	DP(GA03+GA08)	FP(GA04)		
01	(33*2)=74	0	368	0	0	20	(30*2)+(30*2)=120	(2*4)=8	13	(30*3)+(5*2)=88	(1*4)+(1*4)=8	51	(75*2)+(10*2)=170	(2*4)=24	0	0
Totale 165 Nos																

28/10/17

M.C. Rao
Dy. Manager
KERPSIP-SATCHAND

DETAIL POLE SCHEDULE

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION LENGTH (M)	CUMULTV. LENGTH (M)	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-) EASTING	GPS CO-ORDINATE(WGS-) NORTHING	REMARKS
1	TAPPING POINT	TAPPING POINT		DP+0							HRISHYA MUK	91°31'32.7"	23°8'32.9"	
							35	35	35	11Kv, Metal Road				
2	1	AP-1	1	DP+0	0	85°32'46"RT					HRISHYA MUK	91°31'33.3"	23°8'32.7"	
							39			2Nos 11Kv				
3	2		LOC-1/1	SP+0	0						HRISHYA MUK			
							33	72	68					
4	3	AP-3	2	DP+2	4	7°14'44"RT					HRISHYA MUK	91°31'32.7"	23°8'30.4"	USE DP FOR POWER LINE CROSSING
							37	37	131	Vill Road, Metal Road, 11Kv, LT Line+11Kv				
5	4	AP-5	3	DP+4	4	9°8'22"LT					HRISHYA MUK	91°31'32.4"	23°8'29.4"	USE DP FOR POWER LINE CROSSING
							42	42	173					
6	5	AP-6	4	DP+0	0	6°12'32"LT					HRISHYA MUK	91°31'32.1"	23°8'28"	USE DP FOR POWER LINE CROSSING
							35	83	196	2Nos LT Line, Metal Road, 11Kv, LT Line+11Kv				
7	6	AP-5	5	DP+4	4	22°25'5"RT					HRISHYA MUK	91°31'32.1"	23°8'26.9"	
							28	28	224					
8		AP-7	6	SP+0	0	9°18'38"RT					HRISHYA MUK	91°31'31.7"	23°8'26.1"	SP WITH ANGLE
							43							
9			LOC-6/1	SP+0	0						HRISHYA MUK			
							43	86	312	LT Line+11Kv				
10	7	AP-7	7	DP+0	0	19°4'56"RT					HRISHYA MUK	91°31'29.9"	23°8'23.8"	
							28	28	340	Metal Road				
11	8	AP-8	8	DP+0	0	29°10'18"LT					HRISHYA MUK	91°31'29.1"	23°8'23.3"	
							28	28	368					
12		AP-9	9	DP+4	4	19°33'32"LT					HRISHYA MUK	91°31'28.7"	23°8'22.5"	
							27	27	395	Metal Road, 11Kv+LT Line, 11Kv				
13	9	AP-10	10	DP+4	4	16°41'55"RT					HRISHYA MUK	91°31'28.8"	23°8'21.4"	
							28	28	423					
14		AP-11	11	DP+2	2	11°55'16"RT					HRISHYA MUK	91°31'28.2"	23°8'20.8"	
							44			LT Line				
15			LOC-11/1	SP+0	4						HRISHYA MUK			
							43							
16			LOC-11/2	SP+0	0						HRISHYA MUK			
							42							
17	10		LOC-11/3	SP+0	4						HRISHYA MUK			
							42	170	593	Metal Road, LT Line				
18		AP-13	13	DP+4	4	7°32'59"LT					HRISHYA MUK	91°31'26.[illegible]	23°8'16.7"	SP WITH ANGLE
							44							
19			LOC-12/1	SP+0	0						HRISHYA MUK			
							43	87	680					
20	11	AP-13	13	D/C DP+0	0	5°7'33"RT					HRISHYA MUK	91°31'25.4"	23°8'15.7"	ON LINE
							28							

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आर. गणेश मणि / R. Ganesh Mani
अभियंता / Engineer
पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

14/10/19, AET, PGCIL
(Manjusha Raha)

Dy. Manager
NERPSIP-SATCHARD

TRIPURA ENGINEERING LIMITED TECHNOFAB

APPROVED BY

DETAIL POLE SCHEDULE

	SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
HOLD	21	12		LOC-21/1	SP+2	2						HRISHYA MUK			
								50	50	798	LT Line				
	22		AP-14	14	DP+2	2	15°51'40"LT					HRISHYA MUK	91°31'22.3"	23°8'12.1"	
								40	40	778					
	23	13	AP-15	15	SP+0	0	6°31'25"RT					HRISHYA MUK	91°31'21.0"	23°8'10.8"	SP WITH ANGLE
								40	40	818					
	24	14	AP-16	16	DP+4	4	10°59'8"LT					HRISHYA MUK	91°31'21.4"	23°8'9.7"	
								42	42	860	LT Line+11Kv				
HOLD	25		AP-17	17	SP+4	4	3°21'28"LT					HRISHYA MUK	91°31'21.1"	23°8'8.3"	SP WITH ANGLE
								42	42	902	11Kv				
	26	15	AP-18	18	SP+4	4	8°7'36"LT					HRISHYA MUK	91°31'20.8"	23°8'7"	SP WITH ANGLE
								42	42	944					
	27		AP-19	19	SP+0	0	4°54'53"RT					HRISHYA MUK	91°31'20.8"	23°8'5.6"	SP WITH ANGLE
								42	42	986					
	28	16	AP-20	20	SP+0	0	0°13'56"RT					HRISHYA MUK	91°31'20.6"	23°8'4.2"	SP WITH ANGLE
								42	42	1028					
	29	17	AP-21	21	DP+0	0	21°38'21"LT					HRISHYA MUK	91°31'20.4"	23°8'2.9"	
								42	42	1070					
	30	18	AP-22	22	DP+4	4	16°14'47"LT					HRISHYA MUK	91°31'20.8"	23°8'1.6"	
								42	42	1112	11Kv				
HOLD	31	19	AP-23	23	DP+4	4	4°43'4"RT					HRISHYA MUK	91°31'21.6"	23°8'0.4"	USE DP FOR POWER LINE CROSSING
								42	42	1154	11Kv				
	32		AP-24	24	DP+4	4	2°22'8"RT					HRISHYA MUK	91°31'22.2"	23°7'59.2"	USE DP FOR POWER LINE CROSSING
								42	42	1196					
	33		AP-25	25	SP+0	0	1°16'20"LT					HRISHYA MUK	91°31'22.8"	23°7'57.9"	SP WITH ANGLE
								42							
	34			LOC-25/1	SP+0	0						HRISHYA MUK			
								29	21	1267					
	35	20	AP-26	26	DP+4	4	44°6'44"RT					HRISHYA MUK	91°31'23.9"	23°7'55.8"	
								30	30	1297	Vill Road, 11Kv, LT Line+11Kv				
	36		AP-27	27	DP+4	4	64°38'27"RT					HRISHYA MUK	91°31'23.5"	23°7'54.9"	
HOLD								21	21	1318	Metal Road, LT Line+11Kv				
	37	21	AP-28	28	DP+4	4	22°48'12"LT					HRISHYA MUK	91°31'22.8"	23°7'54.8"	
								42	42	1360					
	38		AP-29	29	DP+4	4	19°51'3"LT					HRISHYA MUK	91°31'21.3"	23°7'54.[illegible]	
								43	43	1403	Metal Road, LT Line+11Kv				
	39	22	AP-30	30	D/C DP+4	4	13°51'16"LT					HRISHYA MUK	91°31'20.7"	23°7'53"	ON LINE
								30	30	1433					
	40	23	AP-31	31	D/C DP+0	0	42°26'5"RT					HRISHYA MUK	91°31'20.5"	23°7'52"	ON LINE
								32	32	1465					
HOLD	41	24	AP-32	32	DP+4	4	44°31'40"RT					HRISHYA MUK	91°31'19.3"	23°7'51.5"	
								39	39	1494	LT Line+11Kv				
	42		AP-33	33	DP+4	4	28°30'16"LT					HRISHYA MUK	91°31'18.5"	23°7'51.6"	
								27	27	1521					

SUBMITTED BY:
SATCHANDANI

R. Ganesh Mani
अभियंता / Engineer
पावर ग्रिड कार्पोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

14/10/19 (AE.T,PGCIL Manjutha Sahe)

14/10/19
Dy. Manager
NERPSIP-SATCHAND

APPROVED BY:

DETAIL POLE SCHEDULE

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS- EASTING	NORTHING	REMARKS
43	25	AP-34	34	SP+0	0	0°27'53"LT					HRISHYA MUK	91°31'27.6"	23°7'51.4"	SP WITH ANGLE
							28	28	1549	Metal Road				
44		AP-35	35	DP+0	0	42°59'40"LT					HRISHYA MUK	91°31'26.3"	23°7'51.1"	
							26	26	1575	Vill Road				
45	26	AP-36	36	DP+0	0	18°34'52"LT					HRISHYA MUK	91°31'26.2"	23°7'50.4"	
							42	42	1617					
46	27	AP-37	37	SP+0	0	0°49'20"RT					HRISHYA MUK	91°31'16"	23°7'49"	SP WITH ANGLE
							40	40	1657					
47	28	AP-38	38	SP+0	0	2°1'17"RT					HRISHYA MUK	91°31'15.7"	23°7'47.7"	SP WITH ANGLE
							39	39	1696					
48		AP-39	39	SP+2	2	2°11'10"RT					HRISHYA MUK	91°31'15.4"	23°7'46.5"	SP WITH ANGLE
							43	43	1738	vill Road, LT Line				
49	29	AP-40	40	SP+2	2	8°26'52"RT					HRISHYA MUK	91°31'15"	23°7'45.2"	SP WITH ANGLE
							26	26	1764	11Kv, Metal Road				
50	30	AP-41	41	DP+2	3	26°17'59"LT					HRISHYA MUK	91°31'14.6"	23°7'44.4"	
							32	32	1796	Nala				
51	31	AP-42	42	DP+4	4	28°31'11"LT					HRISHYA MUK	91°31'14.7"	23°7'43.4"	
							32	32	1828	Metal Road, 11Kv				
52	32	AP-43	43	DP+4	4	42°52'53"RT					RAM NAGAR	91°31'15.2"	23°7'42.5"	
							42							
53			LOC-43/1	SP+0	0						RAM NAGAR			
							41	83	1911					
54	33	AP-44	44	SP+0	0	1°7'13"LT					RAM NAGAR	91°31'14.6"	23°7'39.9"	SP WITH ANGLE
							41	41	1952					
55		AP-45	45	SP+2	2	4°20'35"LT					RAM NAGAR	91°31'14.9"	23°7'38.5"	SP WITH ANGLE
							43	43	1995	LT Line				
56		AP-46	46	DP+2	2	15°36'30"RT					RAM NAGAR	91°31'15.2"	23°7'37.1"	
							33	33	2028	Metal Road				
57	34	AP-47	47	DP+0	0	15°8'46"LT					RAM NAGAR	91°31'13.7"	23°7'36.1"	
							33							
58	35		LOC-47/1	SP+4	4						RAM NAGAR			
							29	62	2090	2Nos 11Kv				
59		AP-48	48	DC DP+4	4	13°27'22"LT					RAM NAGAR	91°31'13.5"	23°7'34.1"	ON LINE
							30							
60			LOC-48/1	SP+0	0						RAM NAGAR			
							30	60	2150					
61	36	AP-49	49	SP+0	0	6°58'12"LT					RAM NAGAR	91°31'13.7"	23°7'32.2"	SP WITH ANGLE
							34	34	2184	Metal Road, T Line, 11Kv				
62	37	AP-50	50	DP+0	0	27°52'37"RT					RAM NAGAR	91°31'14"	23°7'31.1"	
							34	34	2218					
63	38	AP-51	51	DP+0	0	24°11'40"RT					RAM NAGAR	91°31'13.7"	23°7'30"	
							34	34	2252					
64	39	AP-52	52	DP+0	0	28°40'32"LT					RAM NAGAR	91°31'12.9"	23°7'29.2"	
							30	30	2282					
65	40	AP-53	53	DP+2	2	30°29'52"LT					RAM NAGAR	91°31'12.8"	23°7'28.2"	
							42	42	2324	LT Line, Metal Road				
66	41	AP-54	54	SP+2	2	2°38'1"LT					RAM NAGAR	91°31'13.3"	23°7'26.9"	SP WITH ANGLE
							42	42	2366					
67	42	AP-55	55	SP+0	0	7°8'19"LT					RAM NAGAR	91°31'13.9"	23°7'25.7"	SP WITH ANGLE

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HOLD

SUBMITTED BY:-
TECHNOFAB

आर. गणेश मणि / R. Ganesh Mani
अभियंता / Engineer
पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

14/10/19 (AET, PGCIL Manjisha Saha)

Dy. Manager
NERPSIP-SATCHAND

APPROVED BY:

DETAIL POLE SCHEDULE

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT	ANGLE OF DEVIATION	SPAN IN (M)	SECTION LENGTH (M)	CUMLTV. LENGTH (M)	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
							14							
68	43		LOC-55/1	SP+0	0						RAM NAGAR			
							18	72	2438	Metal Road, LT Line				
69	44	AP-56	56	D/C DP+2	2	27°32'47"LT					RAM NAGAR	91°31'35.1"	23°7'25.7"	ON LINE
							45	45	2481					
70	45	AP-57	57	D/C DP+4	4	8°7'21"LT					RAM NAGAR	91°31'36.4"	23°7'22.9"	ON LINE
							43	43	2524	2Nos LT Line, 11Kv, Metal Road				
71	46	AP-58	58	DP+4	4	14°22'17"LT					RAM NAGAR	91°31'37.8"	23°7'22.3"	
							22	22	2546	11Kv, Metal Road				
72	47	AP-59	59	D/C DP+0	0	22°24'40"LT					RAM NAGAR	91°31'38.1"	23°7'22.5"	ON LINE
							34	34	2580	LT Line+11Kv, Metal Road				
73	48	AP-60	60	D/C DP+2	2	39°51'38"RT					RAM NAGAR	91°31'39.6"	23°7'23.1"	ON LINE
							33	33	2613	LT Line, Vill Road				
74	49	AP-61	61	D/C DP+2	2	8°15'33"LT					RAM NAGAR	91°31'39.7"	23°7'22.9"	ON LINE
							26	26	2639					
75	50	AP-62	62	D/C DP+0	0	31°32'17"RT					RAM NAGAR	91°31'21.6"	23°7'22.9"	ON LINE
							30	30	2669					
76	51	AP-63	63	DP+2	2	19°33'39"RT					RAM NAGAR	91°31'22.5"	23°7'22.4"	
							34	34	2703	LT Line				
77	52	AP-64	64	DP+3	2	14°34'19"RT					RAM NAGAR	91°31'23.3"	23°7'21.6"	
							42	42	2745	Vill Road, 11Kv				
78	53	AP-65	65	DP+0	0	2°49'46"RT					RAM NAGAR	91°31'23.9"	23°7'20.3"	USE DP FOR POWER LINE CROSSING
							42	42	2787					
79		AP-66	66	SP+0	0	4°45'4"LT					RAM NAGAR	91°31'24.5"	23°7'19.1"	SP WITH ANGLE
							38	38	2825	LT Line+11Kv, Metal Road				
80	54	AP-67	67	D/C DP+0	0	17°28'47"RT					RAM NAGAR	91°31'25.1"	23°7'18"	ON LINE
							45							
81	55		LOC-67/1	SP+0	0						RAM NAGAR			
							44	88	2914	Metal Road, 11Kv				
82	56	AP-68	68	DP+0	0	21°22'21"LT					RAM NAGAR	91°31'25.6"	23°7'15.1"	
							33	33	2943					
83		AP-69	69	DP+0	0	27°58'8"LT					RAM NAGAR	91°31'26.1"	23°7'14.1"	
							34	34	2983					
84	57	AP-70	70	SP+0	0	2°57'11"RT					RAM NAGAR	91°31'27.1"	23°7'13.6"	SP WITH ANGLE
							34	34	3015					
85	58	AP-71	71	DP+2	2	24°19'44"RT					RAM NAGAR	91°31'28.2"	23°7'13"	
							40			2Nos LT Line				
86	59		LOC-71/1	D/C DP+4	4						RAM NAGAR			ON LINE
							40							
87			LOC-71/2	SP+4	4						RAM NAGAR			
							40	120	3135	LT Line				
88	60	AP-72	72	DP+2	2	10°45'5"LT					RAM NAGAR	91°31'30.4"	23°7'0.7"	
							38			Metal Road				
89			LOC-72/1	SP+0	0						RAM NAGAR			
							38							
			LOC-72/2	SP+0	0						RAM NAGAR			

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TECHNOFAB ENGINEERING LIMITED TRIPURA

SUPERVISING TECHNOFAB

आर. गणेश मणि / R. Ganesh Mani
अभियंता / Engineer
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POWER GRID CORPORATION OF INDIA LIMITED

14/10/18 (AET, PGCIL Manjitha Sabu)

14/10/18
M.C. Nath
Dy. Manager
NERPSIP-SATCHARI

APPROVED BY.

DETAIL POLE SCHEDULE

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS- EASTING	NORTHING	REMARKS
							30							
91			LOC-72/R	SP+0	0						RAM NAGAR			
							37	153	3288					
92	61	AP-73	73	DP+0	0	32°17'53"RT					RAM NAGAR			
							32	32	3320	Metal Road				
93		AP-74	74	DP+0	0	18°21'42"LT					RAM NAGAR	91°31'34.3"	23°7'5"	
							30							
94	62		LOC-74/1	SP+4	4						RAM NAGAR			
							27	57	3377	LT line, 11kv				
95		AP-75	75	DP+2	2	11°34'19"RT					RAM NAGAR	91°31'35.8"	23°7'3.8"	
							44			LT Line				
96	63		LOC-75/1	SP+4	4						RAM NAGAR			
							44	88	3465	Metal Road, LT Line				
97	64	AP-76	76	DP+2	2	42°26'55"RT					RAM NAGAR	91°31'36.2"	23°7'0.7"	
							35							
98	65		LOC-76/1	SP+0	0						RAM NAGAR			
							36							
99			LOC-76/2	SP+0	0						RAM NAGAR			
							37	108	3571					
100	66	AP-77	77	DP+0	0	12°42'7"LT					RAM NAGAR	91°31'35.7"	23°6'57.3"	
							44							
101	67		LOC-77/1	SP+0	0						RAM NAGAR			
							43	87	3658	Metal Road, LT line+11Kv				
102	68	AP-78	78	DP+0	0	17°52'12"LT					RAM NAGAR	91°31'35.1"	23°6'54.5"	
							27	27	3685					
103		AP-79	79	DP+0	0	18°14'27"RT					RAM NAGAR	91°31'35.4"	23°6'53.6"	
							43	43	3730					
104	69	AP-80	80	SP+2	2	9°47'20"LT					RAM NAGAR	91°31'35.3"	23°6'52.3"	SP WITH ANGLE
							41	41	3771	LT Line				
105		AP-81	81	DP+2	2	19°4'50"RT					RAM NAGAR	91°31'35.5"	23°6'50.9"	
							32	32	3804					
106	70	AP-82	82	DP+0	0	13°0'41"RT					RAM NAGAR	91°31'35.3"	23°6'49.3"	
							34	34	3837					
107		AP-83	83	DP+4	4	22°13'8"RT					RAM NAGAR	91°31'34.6"	23°6'40"	
							35	35	3872	Metal Road, LT Line+33kv, 11Kv				
108		AP-84	84	SP+4	4	17°46'30"LT					RAM NAGAR	91°31'33.5"	23°6'40.6"	
							42			Vill Road, LT Line				
109	71		LOC-84/1	SP+2	2						RAM NAGAR			
							42	84	3956					
110	72	AP-85	85	DP+2	2	27°57'7"LT					RAM NAGAR	91°31'32"	23°6'46.6"	
							33	33	3979	LT Line				
111		AP-86	86	SP+2	2	22°42'49"LT					RAM NAGAR	91°31'31.8"	23°6'45.8"	
							34	34	4013	Vill Road				
112	73	AP-87	87	SP+0	0	1°14'54"LT					RAM NAGAR	91°31'32"	23°6'44.3"	SP WITH ANGLE
							34			2Nos LT Line+11Kv				
113			LOC-87/1	SP+0	0						RAM NAGAR			
							34	68	4081					
114	74	AP-88	88	SP+0	0	7°19'LT					RAM NAGAR	91°31'32.5"	23°6'42.2"	SP WITH ANGLE

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TECHNOFAB ENGINEERING LIMITED TRIPURA

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POWER GRID CORPORATION OF INDIA LIMITED

(AET, PGCIL)
14/10/19 (Manjistha Saha)

Dy. Manager
NERPSIP-SATCHARI

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DETAIL POLE SCHEDULE

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLEV. LENGTH (M)	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS- EASTING	NORTHING	REMARKS
							33	33	4114	Metal Road, LT Line+11Kv, 11Kv				
115	75	AP-89	89	DP+2	2	45°23'27"RT					KRISHNA NAGAR	91°31'32.9"	23°6'41.1"	
							45	45	4159	LT Line				
116		AP-90	90	SP+2	2	4°21'32"RT					KRISHNA NAGAR	91°31'32.2"	23°6'39.8"	SP WITH ANGLE
							45	45	4204	Metal Road, LT Line, 11Kv				
117	76	AP-91	91	DP+2	2	48°10'24"LT					KRISHNA NAGAR	91°31'31.4"	23°6'38.6"	
							32			Metal Road				
118	77		LOC-91/1	SP+2	2						KRISHNA NAGAR			
							32	44	4268	LT Line, Nala				
119	[illegible]	AP-92	92	DP+2	2	11°21'51"RT					KRISHNA NAGAR	91°31'32.1"	23°6'36.[illegible]	
							34	34	4302	Metal Road, LT Line+11Kv, LT Line				
120		AP-93	93	DP+2	2	15°59'3"LT					KRISHNA NAGAR	91°31'32.2"	23°6'35.5"	
							29	29	4331					
121	79	AP-94	94	O/C CP+4	0	13°44'37"RT					KRISHNA NAGAR	91°31'32.6"	23°6'34.6"	ON LINE
							29							
122			LOC-94/1	O/C CP+4	4						KRISHNA NAGAR			ON LINE
							33	62	4393	LT Line, Metal Road				
123	80	AP-95	95	DP+2	2	16°55'22"LT					KRISHNA NAGAR	91°31'32.9"	23°6'32.6"	
							33	33	4426	11Kv, Metal Road, Nala				
124	81	AP-96	96	DP+0	0	13°24'15"RT					KRISHNA NAGAR	91°31'33.5"	23°6'31.[illegible]	
							41							
125			LOC-96/1	SP+0	0						KRISHNA NAGAR			
							41							
126			LOC-96/2	SP+0	0						KRISHNA NAGAR			
							41							
127			LOC-96/3	SP+0	0						KRISHNA NAGAR			
							41	164	4590	Vill Road				
128	82	AP-97	97	SP+0	0	9°3'6"RT					KRISHNA NAGAR	91°31'34.7"	23°6'26.4"	SP WITH ANGLE
							34							
129	83		LOC-97/1	SP+0	0						KRISHNA NAGAR			
							34	68	4658					

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POWER GRID CORPORATION OF INDIA LIMITED

14/10/18 (AET, PGCIL Manjindha Saha)

Dy. Manager
NERPSIP-SATCHAND

DETAIL POLE SCHEDULE

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS		REMARKS
												EASTING	NORTHING	
130		AP-98	98	DP+0	0	24°6'29"RT					KRISHNA NAGAR	91°31'34.8"	23°6'24.2"	
							30	30	4688	Metal Road, 11Kv				
131	84	AP-99	99	DP+0	0	25°52'48"LT					KRISHNA NAGAR	91°31'34.4"	23°6'23.3"	
							30							
132			LOC-99/1	SP+2	2						KRISHNA NAGAR			
							31	61	4749	LT Line				
133	85	AP-100	100	DP+2	2	25°16'47"RT					KRISHNA NAGAR	91°31'34.6"	23°6'21.4"	
							40							
134			LOC-100/1	SP+2	2						KRISHNA NAGAR			
							40			LT Line, LT Line+11Kv				
135	86		LOC-100/2	SP+2	2						KRISHNA NAGAR			
							40	120	4869					
136		AP-101	101	DP+0	0	25°28'2"LT					KRISHNA NAGAR	91°31'33.2"	23°6'17.[illegible]	
							40	30	4899	LT Line, 11Kv, Metal Road				
137	87	AP-102	102	DP+0	0	30°13'48"RT					KRISHNA NAGAR	91°31'33.[illegible]	23°6'16.[illegible]	
							41							
138	88		LOC-102/1	SP+0	0						KRISHNA NAGAR			
							44			11Kv				
139			LOC-102/2	SP+0	0						KRISHNA NAGAR			
							40			11Kv				
140			LOC-102/3	SP+0	0						KRISHNA NAGAR			
							40							
141			LOC-102/4	SP+0	0						KRISHNA NAGAR			
							41	266	5105					
142	89	AP-103	103	DP+0	0	37°57'11"LT					KRISHNA NAGAR	91°31'32.[illegible]	23°6'10.1"	
							23	23	5128	Metal Road, 11Kv				
143		AP-104	104	DP+0	0	35°8'44"LT					KRISHNA NAGAR	91°31'32.1"	23°6'9.5"	
							29							
144			LOC-104/1	SP+0	0						KRISHNA NAGAR			
							34	63	5191					
145	90	AP-105	105	DP+0	0	14°46'48"RT					KRISHNA NAGAR	91°31'31.8"	23°6'7.5"	
							34	34	5225	Metal Road				

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14.10.17 (AET, PGCIL Manjistha Saha)

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NERPSIP-SATCHARD

DETAIL POLE SCHEDULE

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS- EASTING	NORTHING	REMARKS
146	91	AP-106	106	DP+4	4	10°51'19"RT					KRISHNA NAGAR	91°31'31.3"	23°6'6.5"	
							34			11Kv				
147			LOC-106/1	DP+4	4						KRISHNA NAGAR			USE DP FOR POWER LINE CROSSING
							32	66	5291					
148	92	AP-107	107	DP+3	0	24°18'9"LT					KRISHNA NAGAR	91°31'30.1"	23°6'4.7"	
							32			Metal Road, 11Kv				
149	93		LOC-107/1	SP+0	0						KRISHNA NAGAR			
							28	60	5351					
150		AP-108	108	SP+0	0	3°19'3[illegible]"LT					KRISHNA NAGAR	91°31'29.7"	23°6'2.7"	SP WITH ANGLE
							32			Metal Road, 11Kv				
151		AP-109	109	SP+4	4	2°10'31"RT					KRISHNA NAGAR	91°31'29.6"	23°6'1.7"	SP WITH ANGLE
							27			LT Line				
152	94	AP-110	110	DP+4	4	20°47'18"LT					KRISHNA NAGAR	91°31'29.5"	23°6'0.8"	
							31	98	5441	Metal Road, 11Kv, LT Line+11Kv				
153		AP-111	111	DP+4	4	14°15'26"RT					KRISHNA NAGAR	91°31'29.7"	23°5'59.8"	
							33			LT Line				
154	95		LOC-111/1	SP+4	4						KRISHNA NAGAR			
							30	66	5501					
155		AP-112	112	SP+0	0	6°59'39"RT					KRISHNA NAGAR	91°31'29.7"	23°5'57.9"	SP WITH ANGLE
							44							
156	96		LOC-112/1	DP+4	4						KRISHNA NAGAR			USE DP FOR POWER LINE CROSSING
							45	88	5590	LT Line, 2Nos 11Kv, Metal				
157	97	AP-113	113	DP+4	4	32°8'28"LT					KRISHNA NAGAR	91°31'29.2"	23°5'55"	
							34	34	5674	11Kv				
158	98	AP-114	114	DP+4	4	14°44'37"LT					KRISHNA NAGAR	91°31'29.8"	23°5'54.1"	
							41							
159			LOC-114/1	SP+0	0						KRISHNA NAGAR			
							45	88	5712					
160		AP-115	115	SP+0	0	9°6'59"RT					KRISHNA NAGAR	91°31'31.9"	23°5'52"	SP WITH ANGLE
							30			Vill Road				

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DETAIL POLE SCHEDULE

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS- EASTING	NORTHING	REMARKS
161	99		LOC-115/1	SP+4	4						KRISHNA NAGAR			
							27	57	5769	11Kv				
162		AP-116	116	DP+4	4	11°38'40"LT					KRISHNA NAGAR	91°31'33.1"	23°5'50.5"	
							34	34	5803	Metal Road, LT Line, 11Kv				
163		AP-117	117	DP+4	4	12°38'9"RT					KRISHNA NAGAR	91°31'33.9"	23°5'49.7"	
							30							
164			LOC-117/1	DP+4	4						KRISHNA NAGAR			USE OP FOR POWER LINE CROSSING
							33	63	5866	11Kv				
165	100	AP-118	118	DP+4	4	28°49'14"RT					KRISHNA NAGAR	91°31'35.1"	23°5'48"	
							34	34	5900	Metal Road, 11Kv, LT Line+11Kv				
166	101	AP-119	119	FP+4	4	72°11'2"LT					KRISHNA NAGAR	91°31'35.2"	23°5'46.9"	
							30	30	5930	Metal Road, LT Line, 11Kv				
167		AP-120	120	DP+4	4	27°52'22"RT					KRISHNA NAGAR	91°31'36.2"	23°5'46.6"	
							40							
168			LOC-120/1	SP+4	4						KRISHNA NAGAR			
							37			LT Line				
169			LOC-120/2	SP+4	4						KRISHNA NAGAR			
							42			Vill Road				
170	102		LOC-120/3	D/C DP+0	0						KRISHNA NAGAR			ON LINE
							40	159	6089					
171		AP-121	121	DP+0	0	11°44'40"RT					KRISHNA NAGAR	91°31'40.5"	23°5'43.2"	
							31	31	6120	LT Line, 11Kv, Metal Road				
172	103	AP-122	122	DP+4	4	10°25'18"LT					KRISHNA NAGAR	91°31'41"	23°5'42.4"	
							43			LT Line, 11Kv				
173			LOC-122/1	SP+4	4						KRISHNA NAGAR			
							43							
174			LOC-122/2	SP+0	0						KRISHNA NAGAR			
							42							
175	104		LOC-122/3	SP+0	0						KRISHNA NAGAR			
							44							
176			LOC-122/4	SP+0	0						KRISHNA NAGAR			

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POWER GRID CORPORATION OF INDIA LIMITED

14.10.19 (AET, PGCIL Manjistha Saha)

Dy. Manager
NERPSIP-SATCHAND

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DETAIL POLE SCHEDULE

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-		REMARKS/
												EASTING	NORTHING	
							42	213	6333					
177	201	AP-123	123	DP+0	0	15°44'40"LT					KRISHNA NAGAR	91°31'49.2"	23°5'37.4"	
							30	30	6363	Metal Road				
178		AP-124	124	DP+0	0	18°54'05"RT					KRISHNA NAGAR	91°31'47.1"	23°5'36.9"	
							32	32	6395					
179		AP-125	125	SP+4	4	6°59'33"LT					KRISHNA NAGAR	91°31'47.9"	23°5'36.1"	SP WITH ANGLE
							40			2Nos 11Kv				
180	106		LOC-125/1	SP+4	4						KRISHNA NAGAR			
							40							
181	107		LOC-125/2	SP+0	0						KRISHNA NAGAR			
							39							
182			LOC-125/3	SP+0	0						KRISHNA NAGAR			
							38	157	6502	Vill Road				
183	108	AP-126	126	DP+4	4	12°10'30"LT					KRISHNA NAGAR	91°31'51.2"	23°5'32.9"	
							35	35	6583	Metal Road, 11Kv				
184	109	AP-127	127	DP+4	4	11°0'52"LT					KRISHNA NAGAR	91°31'53.2"	23°5'32.5"	
							33	33	6616	2Nos 11Kv				
185	110	AP-128	128	DP+2	2	17°8'12"RT					KRISHNA NAGAR	91°31'54.4"	23°5'32.2"	
							32	32	6648	LT Line, Metal Road				
186	111	AP-129	129	DP+2	2	51°47'18"RT					KRISHNA NAGAR	91°31'55.3"	23°5'31.7"	
							39			LT Line, Metal Road				
187			LOC-129/1	SP+4	4						KRISHNA NAGAR			
							39							
188			LOC-129/2	SP+0	0						KRISHNA NAGAR			
							39							
189			LOC-129/3	SP+4	4						KRISHNA NAGAR			
							39	156	6804	33Kv, LT Line				
190		AP-130	130	SP+4	4	2°46'6"LT					KRISHNA NAGAR	91°31'55.9"	23°5'28.6"	LINE DIP FOR POWER LINE CROSSING
							40							
191			LOC-130/1	SP+4	4						KRISHNA NAGAR			
							40			11Kv				
	112		LOC-130/2	SP+4	4						KRISHNA NAGAR			

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TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY
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Sr. Engineer
Engineer
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APPROVED BY

DETAIL POLE SCHEDULE

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION LENGTH (M)	CUMLTV. LENGTH (M)	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS) EASTING	GPS CO-ORDINATE(WGS) NORTHING	REMARKS
							39	119	6923					
193	113	AP-131	131	DP+0	0	13°54'30"LT					KRISHNA NAGAR	91°31'56.5"	23°5'22.8"	
							45							
194	114		LOC-131/1	SP+0	0						KRISHNA NAGAR			
							45	90	7013					
195	115	AP-132	132	DP+0	0	31°41'43"LT					KRISHNA NAGAR	91°31'57.8"	23°5'20.1"	
							36	36	7049	Metal Road, 11Kv				
196		AP-133	133	DP+0	0	26°59'29"LT					KRISHNA NAGAR	91°31'58.8"	23°5'19.5"	
							31			Metal Road, 11Kv				
197			LOC-133/1	SP+0	0						KRISHNA NAGAR			
							33	66	7111					
198	116	AP-134	134	DP+4	4	6°31'42"RT					KRISHNA NAGAR	91°31'60"	23°5'17.6"	
							34	34	7149	Metal Road, 11Kv				
199		AP-135	135	DP+4	4	12°47'18"LT					KRISHNA NAGAR	91°32'0.5"	23°5'16.6"	
							32	32	7181					
200	117	AP-136	136	DP+0	0	17°21'48"RT					KRISHNA NAGAR	91°32'1.1"	23°5'15.8"	
							25							
201	118		LOC-136/1	O/C DP+4	4						KRISHNA NAGAR			ON LINE
							25	50	7231	2Nos LT Line, Metal Road				
202		AP-137	137	SP+4	4	7°32'37"RT					KRISHNA NAGAR	91°32'1.7"	23°5'14.2"	SP WITH ANGLE
							42			11Kv				
203			LOC-137/1	SP+0	0						KRISHNA NAGAR			
							42							
204	119		LOC-137/2	SP+0	0						KRISHNA NAGAR			
							42	129	7357					
205		AP-138	138	DP+0	0	11°10'33"RT					JAY PUR	91°32'2.5"	23°5'10.2"	
							54	54	7391	Metal Road				
206		AP-139	139	SP+0	0	9°11'48"LT					JAY PUR	91°32'2.5"	23°5'9.1"	SP WITH ANGLE
							26							
207			LOC-139/1	O/C DP+0	0						JAY PUR			ON LINE
							26	52	7443					
208		AP-140	140	O/C DP+0	0	7°39'51"LT					JAY PUR	91°32'2.8"	23°5'7.4"	ON LINE
							33	33	7476	Metal Road, 11Kv				
209	120	AP-141	141	DP+0	0	25°57'12"RT					JAY PUR	91°32'3.1"	23°5'6.4"	
							30	30	7506	Metal Road, LT Line+11Kv				
210	121	AP-142	142	SP+0	0	3°23'32"LT					JAY PUR	91°32'3"	23°5'5.4"	SP WITH ANGLE

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TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:
TECHNOFAB

Sr. Ganesh Mani
Engineer
GRID CORPORATION OF INDIA LIMITED

14.10.19 (AET, PGCIL Manjistha Saha)

M.D. Kale
Dy. Manager
NERPSIP-SATCHAND

APPROVED BY:

DETAIL POLE SCHEDULE

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
							38							
211			LOC-142/1	D/C DP+0	0						JAY PUR			ON LINE
							38							
212			LOC-142/2	SP+0	0						JAY PUR			
							38			Vill Road				
213			LOC-142/3	SP+4	4						JAY PUR			
							36	150	7656	2Nos LT Line+11Kv				
214	122	AP-143	143	DP+4	4	26°9'24"LT					JAY PUR	91°32'2.4"	23°5'0.6"	
							34	34	7690	Metal Road, 11Kv, LT Line+11Kv				
215		AP-144	144	DP+0	0	24°15'47"RT					JAY PUR	91°32'2.8"	23°4'59.6"	
							34	34	7724					
216	123	AP-145	145	D/C DP+0	0	6°8'55"LT					JAY PUR	91°32'2.8"	23°4'58.5"	ON LINE
							38	38	7762	Nala				
217	124	AP-146	146	D/C DP+0	0	13°10'24"RT					JAY PUR	91°32'2.8"	23°4'57.2"	ON LINE
							32	32	7794					
218		AP-147	147	DP+0	0	14°4'47"LT					JAY PUR	91°32'2.6"	23°4'56.2"	
							32	32	7826					
219		A. 148	148	SP+0	0	8°18'58"RT					JAY PUR	91°32'2.7"	23°4'55.2"	SP WITH ANGLE
							32	32	7858	Metal Road, 11Kv				
220	125	AP-149	149	DP+0	0	2°16'51"LT					JAY PUR	91°32'2.8"	23°4'54.3"	
							31	31	7889	11Kv, Metal Road				
221		AP-150	150	SP+0	0	7°27'12"RT					JAY PUR	91°32'2.9"	23°4'53.2"	SP WITH ANGLE
							30							
222			LOC-150/	SP+0	0						JAY PUR			
							30	61	7949					
223	126	AP-151	151	DP+4	4	23°41'2"RT					JAY PUR	91°32'3.4"	23°4'51.3"	
							31	31	7980	Metal road, 11Kv				
224		AP-152	152	DP+4	4	23°17'13"LT					JAY PUR	91°32'3.2"	23°4'50.3"	
							34	34	8014	LT Line				
225		AP-153	153	SP+4	4	5°46'51"LT					JAY PUR	91°32'3.6"	23°4'49.2"	SP WITH ANGLE
							33	33	8047	Metal Road, 11Kv				
226		AP-154	154	DP+0	0	25°32'10"RT					JAY PUR	91°32'3.9"	23°4'48.2"	
							28	28	8075	Metal Road, 11Kv				
227	127	AP-155	155	DP+0	0	28°9'41"LT					JAY PUR	91°32'3.8"	23°4'47.3"	
							26	26	8101					
228		AP-156	156	SP+0	0	6°18'31"LT					JAY PUR	91°32'4.2"	23°4'46.5"	SP WITH ANGLE
							34	34	8135	Metal Road, 11Kv, LT Line+11Kv				
229	128	AP-157	157	DP+0	0	16°50'29"RT					JAY PUR	91°32'4.8"	23°4'45.5"	
							32			LT Line				
230			LOC-157/1	SP+4	4						JAY PUR			
							32	82	8167	LT Line				
231	129	Ar-158	158	DP+2	2	12°26'53"RT					JAY PUR	91°32'5.2"	23°4'43.6"	
							31			11Kv+LT Line, 11Kv				
232			LOC-158/1	SP+0	0						JAY PUR			
							29	60	8257					
233		AP-159	159	DP+4	4	20°39'RT					JAY PUR	91°32'5.2"	23°4'41.6"	
							31	31	8288	11Kv, Metal Road				

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TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY
TECHNOFAB

R. Ganesh Maiti
अनु. अभियंता / R. Ganesh Maiti
अभियंता / Engineer
पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

AE(PGCIL)
14.10.19 (Manjistha Saha)

14/10/19
M.C. Roy
Dy. Manager
NTPC/SIP-SATCHAND

APPROVED BY:

DETAIL POLE SCHEDULE

	SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS- EASTING	NORTHING	REMARKS
HOLD	234	130	AP-160	160	DP+4	4	30°42'49"LT					JAY PUR	91°32'4.8"	23°4'60.7"	
								44			Nala				
	235	131		LOC-160/1	SP+0	0						JAY PUR			
								44	88	8376					
	236		AP-161	161	DP+0	0	16°45'41"LT					JAY PUR	91°32'5.4"	23°4'37.8"	
								31	31	8407	11Kv, Metal Road				
	237		AP-162	162	SP+0	0	9°21'32"RT					JAY PUR	91°32'5.3"	23°4'36.3"	SP WITH ANGLE
								32			11Kv				
HOLD	238	132		LOC-162/1	SP+0	0						JAY PUR			
								61	61	8470	Metal Road, 11Kv, LT line				
	239		AP-163	163	SP+0	0	4°44'37"LT					JAY PUR	91°32'6.6"	23°4'35"	SP WITH ANGLE
								31	31	8501					
	240	133	AP-164	164	SP+0	0	1°43'59"RT					JAY PUR	91°32'7"	23°4'34.1"	SP WITH ANGLE
								34	34	8535	Metal Road, LT Line, 11Kv				
	241		AP-165	165	DP+2	2	12°18'27"RT					OAK BANGLA	91°32'7.4"	23°4'31"	
								43							
	242			LOC-165/1	SP+0	0						OAK BANGLA			
								55	55	8621					
HOLD	243	134	AP-166	166	SP+0	0	1°13'8"RT					OAK BANGLA	91°32'7.7"	23°4'30.2"	SP WITH ANGLE
								30	30	8651	Metal Road, LT Line				
	244	135	AP-167	167	D/C DP+2	2	16°32'2"LT					OAK BANGLA	91°32'7.8"	23°4'29.3"	ON LINE
								30							
	245			LOC-167/1	SP+0	0						OAK BANGLA			
								30	60	8711	Vill Road				
HOLD	246		AP-168	168	DP+0	0	16°25'5"LT					OAK BANGLA	91°32'8.6"	23°4'27.5"	
								30	30	8741	Metal Road, 2Nos 11Kv				
	247		AP-169	169	DP+0	0	40°23'55"RT					OAK BANGLA	91°32'9.[illegible]	23°4'26.7"	
								26	26	8767	Metal Road				
	248		AP-170	170	DP+0	0	27°7'15"LT					OAK BANGLA	91°32'9.2"	23°4'25.8"	
								43							
	249	136		LOC-170/1	SP+0	0						OAK BANGLA			
								43	86	8853					
HOLD	250		AP-171	171	DP+0	0	35°27'33"LT					OAK BANGLA	91°32'10.5"	23°4'23.1"	
								31	31	8884	Metal Road, 11Kv				
	251		AP-172	172	DP+0	0	17°50"RT					OAK BANGLA	91°32'11.3"	23°4'22.5"	
								28							
	252			LOC-172/1	SP+0	0						OAK BANGLA			
								28	56	8940					
	253		AP-173	173	DP+0	0	24°17'14"RT					OAK BANGLA	91°32'12.1"	23°4'20.9"	
								52	52	8972	Metal Road, 11Kv				
	254		AP-174	174	DP+0	0	43°15'28"LT					OAK BANGLA	91°32'12.1"	23°4'19.8"	
HOLD								22							
	255			LOC-174/1	D/C DP+4	4						OAK BANGLA			ON LINE
								18	40	9027	LT Line, Metal Road				
	256	137	AP-175	175	DP+4	4	49°46'23"RT					OAK BANGLA	91°32'13.4"	23°4'18.5"	
								34	34	9061	11Kv, LT Line, Metal Road				
	257		AP-176	176	DP+2	2	27°40'11"LT					OAK BANGLA	91°32'14.3"	23°4'17.4"	
								32							
	258	138		LOC-176/1	SP+0	0						OAK BANGLA			

SUBMITTED BY:
TECHNORAM

PAGE-13/22

14.10.17 (AET, PGCIL Manjistha Saha)

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DETAIL POLE SCHEDULE

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SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-		REMARKS #
												EASTING	NORTHING	
							34	66	9127					
250		AP-177	177	DP+2	2	28°49'10"LT					DAK BANGLA	91°32'14.1"	23°4'15.4"	
							32	32	9159	Metal Road, LT Line				
260	139	AP-178	178	D/C FP+2	2	73°1'22"RT					DAK BANGLA	91°32'15"	23°4'14.8"	ON LINE
							33	33	9192	Metal Road, LT Line				
261		AP-179	179	D/C DP+4	4	39°43'34"LT					DAK BANGLA	91°32'14.5"	23°4'13.8"	ON LINE
							39			Metal Road, LT Line				
262	140		LOC-179/1	SP+4	4						DAK BANGLA			
							41							
263			LOC-179/2	SP+4	4						DAK BANGLA			
							37	117	9309	2Nos LT Line				
264	141	AP-180	180	SP+4	4	4°5'30"RT					DAK BANGLA	91°32'15.8"	23°4'10.2"	SP WITH ANGLE
							34	34	9343	11Kv, Metal Road				
265		AP-181	181	DP+2	2	12°31'10"RT					DAK BANGLA	91°32'16.1"	23°4'9.1"	
							33	34	9377	Metal Road, LT Line, 11Kv				
266	142	AP-182	182	DP+0	0	15°28'47"LT					DAK BANGLA	91°32'16.1"	23°4'8"	
							28	28	9405					
267		AP-183	183	DP+0	0	25°52'58"RT					DAK BANGLA	91°32'16.4"	23°4'7.1"	
							30	30	9439					
268		AP-184	184	DP+0	0	21°42'22"LT					DAK BANGLA	91°32'16.2"	23°4'6.1"	
							26			11Kv, Metal Road				
269	143		LOC-184/1	SP+0	0						DAK BANGLA			
							29	55	9490					
270	144	AP-185	185	D/C DP+0	0	7°51'19"RT					DAK BANGLA	91°32'16.6"	23°4'4.4"	ON LINE
							41	41	9531	Nala				
271	145	AP-186	186	D/C DP+0	0	2°45'29"LT					ABHAY NAGAR	91°32'16.8"	23°4'3.1"	ON LINE
							27							
272			LOC-186/1	D/C DP+0	0						ABHAY NAGAR			ON LINE
							33	60	9591					
273		AP-187	187	D/C DP+0	0	10°32'4"LT					ABHAY NAGAR	91°32'17"	23°4'1.1"	ON LINE
							34	34	9625	Metal Road				
274		AP-188	188	DP+0	0	14°58'56"RT					ABHAY NAGAR	91°32'17.3"	23°4'0.1"	

TECHNOFAB ENGINEERING LIMITED
TRIPURA

R. Ganesh Mani
Engineer
POWER GRID CORPORATION OF INDIA LIMITED

AET, PGCIL
14.10.17 (Manjintha Saha)

14/10/17
M.C. Rao
Dy. Manager

DETAIL POLE SCHEDULE

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION LENGTH (M)	CUMLTV. LENGTH (M)	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	GPS CO-ORDINATE(WGS-84) NORTHING	REMARKS IF
							40							
275			LOC-188/1	D/E DP+0	0						ABHAY NAGAR			ON LINE
							39							
276	146		LOC-188/2	SP+0	0						ABHAY NAGAR			
							39	118	9743	Metal Road				
277	147	AP-189	189	DP+0	0	17°31'0"RT					ABHAY NAGAR	91°32'17.4"	23°8'56.2"	
							34	84	9777	Metal Road, 11Kv				
278		AP-190	190	DP+0	0	13°52'59"LT					ABHAY NAGAR	91°32'17"	23°8'55.2"	
							45							
279	148		LOC-190/1	SP+0	0						ABHAY NAGAR			
							45	90	9867	Vill Road				
280		AP-191	191	DP+0	0	15°4'51"LT					ABHAY NAGAR	91°32'16.9"	23°8'52.4"	
							31	31	9898					
281	149	AP-192	192	DP+0	0	12°19'42"RT					ABHAY NAGAR	91°32'17.1"	23°8'51.3"	
							33	33	9931					
282		AP-193	193	DP+0	0	24°18'55"LT					ABHAY NAGAR	91°32'17.1"	23°8'50.3"	
							34	34	9965	Metal Road, 2Nos 11Kv				
283	150	AP-194	194	DP+2	2	0°3'8"RT					ABHAY NAGAR	91°32'17.6"	23°8'49.1"	
							33	33	9998	3Nos LT Line, Metal Road				
284		AP-195	195	D/E DP+4	4	6°2'16"LT					ABHAY NAGAR	91°32'17.5"	23°8'48.1"	ON LINE
							43							
285	151		LOC-195/1	D/E DP+0	0						ABHAY NAGAR			ON LINE
							43							
286			LOC-195/2	D/E DP+0	0						ABHAY NAGAR			ON LINE
							44			11Kv LT line				
287			LOC-195/3	D/E DP+0	0						ABHAY NAGAR			ON LINE
							45	175	10171					
288		AP-196	196	D/E DP+2	2	2°42'29"LT					ABHAY NAGAR	91°32'17.9"	23°8'42.4"	ON LINE
							39			LT Line				
289			LOC-196/1	SP+4	4						ABHAY NAGAR			
							34							
290			LOC-196/2	SP+0	0						ABHAY NAGAR			
							31	98	10271					
291	152	AP-197	197	SP+0	0	5°4'5"RT					ABHAY NAGAR	91°32'17.8"	23°8'39.2"	SP WITH ANGLE
							31							
292			LOC-197/1	SP+0	0						ABHAY NAGAR			
							30	61	10332					
293	153	AP-198	198	DP+4	4	13°4'23"LT					ABHAY NAGAR	91°32'17.7"	23°8'37.6"	
							45			Vill Road, 11Kv				
294			LOC-198/1	DP+4	4						ABHAY NAGAR			USC DP FOR POWER LINE CROSSING
							44							
295			LOC-198/2	SP+0	0						ABHAY NAGAR			
							45							
296	154		LOC-198/3	SP+0	0						ABHAY NAGAR			
							45	179	10511					
297		AP-199	199	SP+0	0	2°3'47"RT					ABHAY NAGAR	91°32'19"	23°8'31.4"	SP WITH ANGLE
							45							

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TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY: TECHNOFAB

Ganesh Mani
Engineer
POWER GRID CORPORATION OF INDIA LIMITED

14.10.19 (Manjistha Saha) AET, PGCIL

Dy. Manager

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DETAIL POLE SCHEDULE

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS		REMARKS
												EASTING	NORTHING	
298			LOC-199/1	SP+0	0						ABHAY NAGAR			
							45			Nala				
299	155		LOC-199/2	DP+0	0						ABHAY NAGAR			USE OF AS A SECTION POLE
							44							
300			LOC-199/3	SP+0	0						ABHAY NAGAR			
							44							
301			LOC-199/4	SP+0	0						ABHAY NAGAR			
							45							
302			LOC-199/5	SP+0	0						ABHAY NAGAR			
							44							
303			LOC-199/6	SP+0	0						ABHAY NAGAR			
							44	311	10822					
304	156	AP-200	200	DP+0	0	4°34'24"RT					ABHAY NAGAR	91°32'20.2"	23°3'21.5"	USE OF AS A SECTION POLE
							40							
305			LOC-200/1	SP+0	0						ABHAY NAGAR			
							40							
306	157		LOC-200/2	SP+0	0						ABHAY NAGAR			
							40			Vill Road				
307			LOC-200/3	SP+0	0						ABHAY NAGAR			
							39			11Kv				
308			LOC-200/4	DP+0	0						ABHAY NAGAR			
							40							
309			LOC-200/5	SP+0	0						ABHAY NAGAR			
							40	239	11061	Nala				
310	158	AP-201	201	DP+0	0	11°8'44"LT					ABHAY NAGAR	91°32'20.5"	23°3'11.7"	
							31			Metal Road				
311			LOC-201/1	SP+0	0						ABHAY NAGAR			
							32							
312	159		LOC-201/2	SP+0	0						ABHAY NAGAR			
							32	95	11156	Metal Road				
313		AP-202	202	O/C DP+0	0	28°10'18"LT					ABHAY NAGAR	91°32'21.2"	23°3'10.7"	ON LINE
							23	23	11179					
314	160	AP-203	203	DP+0	0	23°56'59"RT					ABHAY NAGAR	91°32'21.8"	23°3'10.2"	
							31	31	11210					
315	161	AP-204	204	SP+0	0	6°9'58"RT					ABHAY NAGAR	91°32'22.1"	23°3'9.2"	SP WITH ANGLE
							43							
316			LOC-204/1	SP+0	0						ABHAY NAGAR			
							43	86	11296					
317	162	AP-205	205	DP+4	4	23°27'49"LT					ABHAY NAGAR	91°32'22.7"	23°3'6.4"	
							34	34	11330	Metal Road, 11Kv				
318		AP-206	206	DP+4	4	31°15'20"RT					ABHAY NAGAR	91°32'23.4"	23°3'5.5"	
							28							
			LOC-206/1	SP+4	4						ABHAY NAGAR			
							28	56	11386	11Kv				
319	163	AP-207	207	DP+4	4	37°10'41"LT					ABHAY NAGAR	91°32'23.5"	23°3'3.7"	
							34	34	11420					

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TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY
TECHNOFAB

R. Ganesh Mani
Engineer
POWER GRID CORPORATION OF INDIA LIMITED

14.10.22 (ART Pvt Ltd Manjistha Saha)

14/10/22
Dy. Manager
NERPSIP-ABHAYNAGAR

APPROVED BY:

DETAIL POLE SCHEDULE

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SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS- EASTING	NORTHING	REMARKS
321	164	AP-208	208	DP+2	2	26°44'55"RT					ABHAY NAGAR	91°32'24.3"	23°3'2.9"	
							13			Metal Road, LT Line				
322			LOC-208/1	SP+4	4						ABHAY NAGAR			
							28	61	11481					
323	165	AP-209	209	DP+4	4	47°32'23"LT					ABHAY NAGAR	91°32'24.8"	23°3'0.9"	
							30	30	11511	Metal Road, 11Kv, LT Line				
324	166	AP-210	210	DP+4	4	14°16'23"LT					ABHAY NAGAR	91°32'25.7"	23°3'0.5"	
							30							
325			LOC-210/1	SP+0	0						ABHAY NAGAR			
							13			Metal Road				
326	167		LOC-210/2	SP+0	0						ABHAY NAGAR			
							13	96	11607	Metal Road				
327		AP-211	211	SP+4	4	1°50'2"LT					ABHAY NAGAR	91°32'28.3"	23°2'59.7"	SP WITH ANGLE
							19			LT Line				
328	168		LOC-211/1	SP+4	4						ABHAY NAGAR			
							17	56	11663					
329	169	AP-212	212	DP+2	2	31°19'7"LT					ABHAY NAGAR	91°32'30.3"	23°2'59.3"	
							17	27	11690	LT Line				
330		AP-213	213	DP+2	2	14°38'30"RT					ABHAY NAGAR	91°32'31.8"	23°2'59.6"	
							34	73	11724	11Kv				
331	170	AP-214	214	DP+0	0	12°49'46"RT					MADHAB NAGAR	91°32'33"	23°2'59.6"	
							31	31	11755					
332	171	AP-215	215	DP+0	0	12°1'18"RT					MADHAB NAGAR	91°32'34"	23°2'59.5"	
							45			11Kv				
333	172		LOC-215/1	SP+0	0						MADHAB NAGAR			
							45			Vill Road				
334	173		LOC-215/2	DP+4	4						MADHAB NAGAR			USE DP FOR POWER LINE CROSSING
							45	135	11890	11Kv				
335	174	AP-216	216	DP+4	4	26°50'58"RT					MADHAB NAGAR	91°32'38.5"	23°2'57.9"	
							33	33	11923	Metal Road, 11Kv				
336		AP-217	217	DP+4	4	9°40'6"LT					MADHAB NAGAR	91°32'39.2"	23°2'57.1"	USE DP FOR POWER LINE CROSSING
							33	33	11956					
337	175	AP-218	218	DP+4	4	18°21'6"LT					MADHAB NAGAR	91°32'40.1"	23°2'56.5"	
							33	33	11989	11Kv				
338	176	AP-219	219	DP+4	4	0°59'51"LT					MADHAB NAGAR	91°32'41.2"	23°2'56.1"	USE DP FOR POWER LINE CROSSING
							33	33	12022	11Kv				
339		AP-220	220	DP+4	4	34°11'41"RT					MADHAB NAGAR	91°32'42.3"	23°2'55.7"	

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:
TECHNOFAB

आर. गणेश मणि / R. Ganesh Mani
अभियंता / Engineer
पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

14.10.17 (AET, PGCIL Manjistha Saha)

Dy. Manager
NERPSIP-SATCHARD

APPROVED BY:

DETAIL POLE SCHEDULE

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS- EASTING	NORTHING	REMARKS
							26	26	12048					
340	177	AP-221	221	SP+0	0	3°33'46"RT					MADHAB NAGAR	91°32'42.5"	23°2'55.1"	SP WITH ANGLE
							26	26	12074					
341	178	AP-222	222	SP+0	0	7°54'56"RT					MADHAB NAGAR	91°32'43.4"	23°2'54.4"	SP WITH ANGLE
							30	30	12104	11Kv				
342		AP-223	223	SP+4	4	7°5'0"LT					MADHAB NAGAR	91°32'43.8"	23°2'53.5"	SP WITH ANGLE
							40			LT Line				
343			LOC-223/1	SP+4	4						MADHAB NAGAR			
							40							
344			223/2	SP+0	0						MADHAB NAGAR			
							40	120	12224					
345		AP-224	224	DP+0	0	5°28'44"LT					MADHAB NAGAR	91°32'46.1"	23°2'50.2"	USE DP AS A SECTION POLE
							45							
346			LOC-224/1	SP+0	0						MADHAB NAGAR			
							45	90	12314					
347		AP-225	225	DP+4	4	25°14'13"RT					MADHAB NAGAR	91°32'48.1"	23°2'47.9"	
							29	29	12343	Metal Road, 11Kv				
348		AP-226	226	DP+4	4	34°39'23"RT					MADHAB NAGAR	91°32'49"	23°2'47.5"	
							29							
349	179		LOC-226/1	SP+0	0						MADHAB NAGAR			
							29	87	12390	Metal Road				
350	180	AP-227	227	DP+0	0	52°39'43"RT					MADHAB NAGAR	91°32'49.8"	23°2'46.1"	
							31	31	12421	2Nos 11Kv, LT Line, Metal Road				
351		AP-228	228	DP+0	0	54°25'16"LT					MADHAB NAGAR	91°32'49.4"	23°2'45.2"	
							30			Metal Road				
352	171		LOC-228/1	SP+2	2						MADHAB NAGAR			
							30	60	12481	LT Line				
353		AP-229	229	DP+2	2	25°51'50"RT					MADHAB NAGAR	91°32'50.5"	23°2'43.6"	
							30	30	12511	Metal Road				
[illegible]	182	AP-230	230	DP+0	0	27°21'3"LT					MADHAB NAGAR	91°32'50.8"	23°2'42.6"	
							40							
[illegible]			LOC-230/1	SP+0	0						MADHAB NAGAR			

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TECHNOFAB ENGINEERING LIMITED TRIPURA

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पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

14.10.17 (AET, PGCIL Manjistha Saha)

Dy. Manager
NERPSIP-SATCHAND

DETAIL POLE SCHEDULE

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	CROSSING	VILLAGE NAME	GPS CO-ORDINATS(WGS- EASTING	NORTHING	REMARKS
							40							
356	183		LOC-230/2	SP+4	4						MADHAB NAGAR			
							41	121	12632	11Kv				
357		AP-231	231	SP+4	4	19°13'10"LT					SAM NAGAR	91°32'53"	23°2'39.3"	
							31			11Kv				
358			LOC-231/1	SP+4	4						SAM NAGAR	91°32'53.9"	23°2'38.7"	
							31	62	12694	11Kv				
359	184	AP-232	232	DP+4	4	21°32'32"RT					SAM NAGAR	91°32'54.7"	23°2'38.1"	
							30	30	12724					
360	185	AP-233	233	DP+0	0	22°47'54"RT					SAM NAGAR	91°32'55.3"	23°2'37.3"	
							31							
361			LOC-233/1	SP+0	0						SAM NAGAR			
							30							
362			LOC-233/2	SP+0	0						SAM NAGAR			
							34	95	12819					
363	186	AP-234	234	DP+0	0	23°43'10"LT					SAM NAGAR	91°32'51.8"	23°2'34.2"	
							43			Metal Road, Nala				
364	187		LOC-234/1	SP+4	4						SAM NAGAR			
							43	86	12905	Metal Road, 11Kv				
365	188	AP-235	235	SP+4	4	0°27'33"LT					SAM NAGAR	91°32'57.4"	23°2'31.3"	SP WITH ANGLE
							30	30	12935					
366	189	AP-236	236	DP+4	4	10°5'8"RT					SAM NAGAR	91°32'58"	23°2'32"	
							28	28	12963	Metal Road, 11Kv				
367	190	AP-237	237	DP+4	4	38°51'40"RT					SAM NAGAR	91°32'58.3"	23°2'30.4"	
							43			11Kv				
368			LOC-237/1	SP+0	0						SAM NAGAR			
							43	86	13049	Metal Road				
369	191	AP-238	238	DP+4	4	66°40'27"LT					SAM NAGAR	91°32'57.5"	23°2'27.5"	
							41			Metal Road, 11Kv				
370	192		LOC-238/1	SP+0	0						SAM NAGAR			
							42							
371	193		LOC-238/2	SP+0	0						SAM NAGAR			
							41	124	13173	Metal Road				
372	194	AP-239	239	DP+0	0	37°36'56"LT					SAM NAGAR	91°33'0.8"	23°2'24.9"	
							24	24	13197	Metal Road				
373	195	AP-240	240	DP+2	2	64°56'7"RT					SAM NAGAR	91°33'1.6"	23°2'24.1"	
							34	34	13231	Metal Road, 11Kv, Nala				
374		AP-241	241	DP+2	2	33°31'26"LT					SAM NAGAR	91°33'2"	23°2'23.8"	
							27	27	13259					
375	196	AP-242	242	SP+0	0	4°36'8"LT					SAM NAGAR	91°33'2.2"	23°2'23.3"	SP WITH ANGLE
							34	34	13292	Metal Road				
376	197	AP-243	243	SP+0	0	7°47'59"RT					SAM NAGAR	91°33'3.8"	23°2'22.7"	SP WITH ANGLE
							34	34	13326					
377		AP-244	244	D/C DP+0	0	9°41'31"LT					SAM NAGAR	91°33'4.8"	23°2'22.1"	ON LINE
							34	34	13360					
378	198	AP-245	245	D/C DP+0	0	32°40'26"RT					SAM NAGAR	91°33'5.7"	23°2'21.4"	ON LINE
							25	25	13385	Metal Road				
379		AP-246	246	D/C DP+0	0	18°41'31"RT					SAM NAGAR	91°33'6.2"	23°2'20.7"	ON LINE

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INDOFAB ENGINEERING LTD. TRIPURA

SUBMITTED BY:
TECHNOFAB

R. Ganesh Mani
Engineer
POWER GRID CORPORATION OF INDIA LIMITED

NABE 19/23

14.10.17 (AET PGCIL Manjistha Saha)

14/10/17
M.C. Rao
Dy. Manager
NERPSIP-SATCHAND

APPROVED BY:

DETAIL POLE SCHEDULE

	SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION LENGTH (M)	CUMLTV. LENGTH (M)	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	GPS CO-ORDINATE(WGS-84) NORTHING	REMARKS
								30							
HOLD	380			LOC-246/1	D/C DP+0	0						SAM NAGAR			ON LINE
								29	59	13444					
	381		AP-247	247	D/C DP+0	0	13°27'45"RT					SAM NAGAR	91°33'6.6"	23°2'18.8"	ON LINE
								29	29	13473	Vill Road				
	382	199	AP-248	248	DP+0	0	12°27'3"LT					SAM NAGAR	91°33'6.5"	23°2'17.9"	
								32	32	13505					
HOLD	383	200	AP-249	249	DP+4	4	13°38'57"LT					SAM NAGAR	91°33'6.7"	23°2'16.8"	
								38			11kv				
	384			LOC-249/1	DP+4	4						SAM NAGAR			USE DP FOR POWER LINE CROSSING
								28			Metal Road				
	385			LOC-249/2	SP+0	0						SAM NAGAR			
								39							
	386	201		LOC-249/3	SP+0	0						SAM NAGAR			
								38	152	13657					
HOLD	387	202	AP-250	250	DP+2	2	12°9'22"LT					SAM NAGAR	91°33'8.0"	23°1'12.3"	
								44			Vill Road, LT Line				
	388			LOC-250/1	SP+3	4						SAM NAGAR			
								44							
	389			LOC-250/2	SP+0	0						SAM NAGAR			
								44							
HOLD	390	203		LOC-250/3	D/C DP+0	0						SAM NAGAR			
								45	177	13834	Nala				
	391	204	AP-251	251	DP+0	0	41°50'20"LT					SAM NAGAR	91°33'12.6"	23°2'7.7"	
								38							
HOLD	392	205		LOC-251/1	SP+4	4						SAM NAGAR			
								38	76	13910	2Nos LT Line, Vill Road				
	393	206	AP-252	252	DP+2	2	37°5'42"RT					SAM NAGAR	91°33'12.3"	23°2'5.2"	
								40	40	13950	2Nos LT Line, Metal Road				
	394	207	AP-253	253	DP+4	4	15°18'55"LT					SAM NAGAR	91°33'13.2"	23°2'4.4"	
								37			Metal Road, 11kv, LT Line+11kv				
	395	208		LOC-253/1	DP+4	4						SAM NAGAR			USE DP FOR POWER LINE CROSSING
								43	80	14030	Metal Road, 11kv				
HOLD	396	210	AP-254	254	D/C DP+0	0	45°58'50"LT					SAM NAGAR	91°34'9.1"	23°2'3.4"	ON LINE
								30							
	397			LOC-254/1	D/C DP+4	4						SAM NAGAR			ON LINE
								[illegible]			11kv				
	398	211		LOC-254/2	D/C DP+0	0						SAM NAGAR			ON LINE
								[illegible]	54	14124	Metal Road				
	399	212	AP-255	255	DP+0	0	55°17'22"RT					GAJARIYA	91°33'9.9"	23°1'59.4"	
								31	31	14155					
	400	213	AP-256	256	DP+0	0	13°32'5"LT					GAJARIYA	91°33'9.1"	23°1'58.7"	
								33	33	14188	Metal Road, LT Line+11kv, 11kv				

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:-
TECHNOFAB

R. Ganesh Mani
Engineer
POWER GRID CORPORATION OF INDIA LIMITED

14.10.19 (AET, PGCIL) (Manjistha Saha)

Dy. Manager
NTPS/P-SATCHARI

APPROVED BY:

DETAIL POLE SCHEDULE

HOLD

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SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	GPS CO-ORDINATE(WGS-84) NORTHING	REMARKS
401		AP-257	257	DP+4	4	56°57'15"LT					GAJARIYA	91°33'8.5"	23°1'57.8"	
							27	27	14215	Metal Road, LT Line+11Kv, 11Kv				
402	218	AP-258	258	DP+4	4	39°24'21"LT					GAJARIYA	91°33'8.6"	23°1'56.9"	
							31	31	14246	Metal Road, LT Line+11Kv, 11Kv				
403		AP-259	259	DP+4	4	13°12'16"LT					GAJARIYA	91°33'9.3"	23°1'56.2"	
							24							
404			LOC-259/1	SP+0	0						GAJARIYA			
							30	54	14300					
405	215	AP-260	260	DP+2	2	19°47'9"LT					GAJARIYA	91°33'10.9"	23°1'55.2"	
							43			MetalRoad, LT Line				
406	216		LOC-260/1	SP+4	4						GAJARIYA			
							43	86	14386	LT Line+11kv, 11Kv				
407	217	AP-261	261	DP+4	4	66°25'10"RT					GAJARIYA	91°33'13.8"	23°1'54.5"	
							32	32	14418	Metal Road, LT Line+11Kv, 11Kv				
408		AP-262	262	DP+4	4	52°33'37"LT					GAJARIYA	91°33'14"	23°1'53.5"	
							33	33	14451	Metal Road, 11Kv				
409		AP-263	263	DP+2	2	13°8'35"RT					GAJARIYA	91°33'15"	23°1'52.8"	
							33	33	14484	LT Line				
410		AP-264	264	SP+0	4	0°31'54"LT					GAJARIYA	91°33'15.8"	23°1'52.2"	SP WITH ANGLE
							35	35	14519					
411	218	AP-265	265	DP+4	4	6°37'6"LT					GAJARIYA	91°33'16.6"	23°1'51.3"	USE DP FOR POWER LINE CROSSING
							38	38	14557	11Kv				
412	219	AP-266	266	DP+5	4	27°6'59"LT					GAJARIYA	91°33'17.3"	23°1'50.5"	
							40	40	14597	2Nos 11Kv				
413	220	AP-267	267	DP+4	4	29°55'53"LT					GAJARIYA	91°33'19"	23°1'50.2"	
							25	25	14622	11Kv				
414		AP-268	268	DP+4	4	10°6'52"RT					GAJARIYA	91°33'19.8"	23°1'50.5"	
							32	32	14654	LT Line, LT Line+11Kv				
415	221	AP-269	269	SP+4	4	4°51'50"RT					GAJARIYA	91°33'21"	23°1'50.6"	SP WITH ANGLE
							33	33	14687					
416		AP-270	270	DP+4	4	17°55'13"LT					GAJARIYA	91°33'22.2"	23°1'50.6"	
							42			Metal Road, LT Line, 11Kv+LT Line				
417	222		LOC-270/1	SP+0	4						GAJARIYA			
							42	84	14771	Metal Road				
418	223	AP-271	271	D/C DP+0	0	32°31'6"RT					GAJARIYA	91°33'25"	23°1'49.9"	ON LINE
							40							
419			LOC-271/1	SP+0	0						GAJARIYA			
							80			Nala				
420	224		LOC-271/2	SP+0	0						GAJARIYA			
							43							
421	225		LOC-271/3	SP+0	0						GAJARIYA			
							44	167	14898					

TECHNOFAB ENGINEERING LIMITED TRIPURA

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TECHNOFAB

Ganesh Mani
Engineer
POWER GRID CORPORATION OF INDIA LIMITED

Sahe 14.10.19 (AET, PGCIL (Manjistha Saha)

14/10/19
Dy. Manager
NERPSIP-SATCHARD

APPROVED BY

DETAIL POLE SCHEDULE

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SL NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN IN (M)	SECTION. LENGTH (M)	CUMLTV. LENGTH (M)	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS- EASTING	NORTHING	REMARKS
422		AP-272	272	DP+4	4	4°41'19"LT					GAJARIYA	91°33'26.9"	23°1'45.8"	USE DP FOR POWER LINE CROSSING
							43	45	14983	11Kv				
423	226	AP-273	273	DP+4	4	8°25'8"LT					GAJARIYA	91°33'30"	23°1'44.8"	USE DP FOR POWER LINE CROSSING
							32	32	15015	Metal Road, 11Kv				
424	227	AP-274	274	DP+4	4	66°37'3"LT					GAJARIYA	91°33'31"	23°1'44.2"	
							33	33	15048	Metal Road, 11Kv				
425	228	AP-275	275	DP+4	4	31°17'54"RT					GAJARIYA	91°33'31.9"	23°1'44.8"	
							30							
426			LOC-275/1	SP+0	0						GAJARIYA			
							30	60	15108					
427		AP-276	276	SP+0	0	9°11'43"RT					GAJARIYA	91°33'34.1"	23°1'44.8"	SP WITH ANGLE
							32	32	15140					
428		AP-277	277	SP+0	0	6°29'7"RT					GAJARIYA	91°33'35.2"	23°1'44.8"	SP WITH ANGLE
							45	45	15185	Hill Road				
429	229	AP-278	278	SP+0	0	7°41'41"LT					GAJARIYA	91°33'36.8"	23°1'44.6"	SP WITH ANGLE
							44	44	15229					
430	230	AP-279	279	DP+2	2	2°24'30"RT					GAJARIYA	91°33'38.3"	23°1'44.7"	USE DP FOR POWER LINE CROSSING
							30	38	15267	11Kv				
431		AP-280	280	DP+2	2	12°14'54"RT					GAJARIYA	91°33'39.7"	23°1'44.6"	
							32	32	15299					
432	231	AP-281	281	DP+4	4	24°25'30"RT					GAJARIYA	91°33'40.7"	23°1'44.4"	
							40	40	15329	Metal Road, 2Nos 11Kv				
433	232	AP-282	282	DP+4	4						GAJARIYA	91°33'41.6"	23°1'43.8"	

Pole schedule with normal pole & which are within permissible individual span limit & max^m limit of angle of deviation are approved.
Put on hold all crossing span — road / NH crossings, pipeline crossing, railway crossing, river crossing etc & spans violating the max^m individual span limit & max^m limit of angle of deviation.
Separate detailed profile to be submitted for further approval of the above spans.

24/10/2017
(S.I.D.)

TECHNOFAB ENGINEERING LIMITED
TRIPURA

आर. गणेश मणि / R. Ganesh Mani
अभियंता / Engineer
पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

14.10.17 (AET, PGCIL Manjistha Saha)

14/10/17
M.C. Ram
Dy. Manager
NERPSIP-SATCHARD

POLE SUMMARY DETAILS

Tripura state associated with NER power system improvement project.(DMS PACKAGE-02)

CC-CS/86-NER/REW-2985/1/G2/NOA 1&11/7145 &7146 Dated 20/01/2017

TAPPING POINT ON EXISTING 33KV BELONIA - HRISHYAMUKH . TOSRINAGAR

TOTAL LINE LENGTH - 15.329KM.

			TABULAR POLE				
S.No.	Type of Pole	Extension	Pole Qty	12 m Pole	14 m Pole	16 m Pole	Remarks
1	SP (GA-01)	0 m	85	85			
2		2 m	7		7		
3		4 m	34			34	
4	SP (GA-02)	0 m	35	35			
5		2 m	6		6		
6		4 m	17			17	
7	DP (GA-03)	0 m	76	152			
8		2 m	39		78		
9		4 m	79			158	
10	FP (GA-04)	0 m	2	8			
11		2 m	1		4		
12		4 m	6			24	
13	SP (Double Circuit)	0 m		0			
14		2 m			0		
15		4 m				0	
16	DP (Double Circuit)	0 m	30	60			
17		2 m	5		10		
18		4 m	10			20	
19	FP (Double Circuit)	0 m		0			
20		2 m	1		4		
21		4 m				0	
	TOTAL			340	109	253	

TECHNOFAB ENGINEERING LIMITED TRIPURA

POWER GRID CORPORATION OF INDIA LIMITED

M.C. Rana
Dy. Manager
NER-SIP-SATCHARD

14.10.17 AET, PGCIL (Manjistha Saha)

LINE LINK :- TAPPING POINT ON EXISTING 33KV
BELONIA - HRISHYAMUKH TO SRINAGAR

Sl. No.	Description	Unit	Quantity	Remarks
A	***Pole height***			
1	0 Extenion	340		
2	2 m extension	109		
3	4 m extension	253		
B	***Crossings***			
1	11 KV Crossing	155		
	LT Line	113		
2	NH Crossing			
3	33 KV Crossing			
C	***River Crossing***			
D	***Nala Crossing***	12		
E	***Road Crossing***			
1	*Metal Road*	122		
2	*Village Road*	22		
F	*Span violation*			
G	angle violation			

Note: We have approved 12 M pole drawing (0 M extension) and we have proposed 14M&16 M extension pole for crossings.

ENGINEERING LIMITED TRIPURA

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POWER GRID CORPORATION OF INDIA LIMITED

14.10.17 AET PGCIL (Manjistha Saha)

Dy. Manager
NEPS SEP-SATCHARD

LINE LINK :- PROPOSED 132/33KV SABROOM S/S TO PROPOSED 33/11KV MANUGHAT S/S

S.No.	Description	Unit	Quantity	Remarks
A	Pole Height			
1	0 m Extension	268		
2	2 m Extension	244		
3	4 m Extension	18		
B	Crossings			
1	LT Line Crossing	65		
2	11 kV Crossing	48		
3	33 kV Crossing	NIL		
4	66 kV Crossing	NIL		
5	132 kV Crossing	NIL		
6	220 kV Crossing	NIL		
7	400 kV Crossing	NIL		
8	NH Crossing	4		
C	River Crossing	1		
D	Nala Crossing	5		
E	Road Crossing			
1	Metalled Road	62		
2	Village	25		
F	Span Violation	1		
G	Angle Violation			

Note: We have approved 12 m Pole Drawing (0 m Extension) and we have proposed 14 m Pole (2 m Extension) and 16 m Pole (4 m Extension) for crossings.

TECHNOFAB ENGINEERING LIMITED TRIPURA

Shuba Das (AE)

आर. गणेश मणि / R. Ganesh Mani
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POWER GRID CORPORATION OF INDIA LIMITED

M.C. Rana
Dy. Manager
NERPSIP-SATCHAND

POLE SUMMARY DETAILS							
TRIPURA STATE ASSOCIATED WITH NER POWER SYSTEM IMPROVEMENT PROJECT (DMS PACKAGE-02)							
CC-CS/86-NER/REW-2985/1/G2/NOA 1&11/7145 &7146 Dated 20/01/2017							
LINE NAME:PROPOSED 132/33KV SABROOM S/S TO PROPOSED 33/11KV MANUGHAT S/S							
TOTAL LINE LENGTH: 12.825km							
S.No.	Type of Pole	Extension	Pole Qty	12 m Pole	14 m Pole	16 m Pole	Remarks
1	SP (GA-01)	0 m	66	66			
2		2 m	11		11		
3		4 m	8			8	
4	SP (GA-02)	0 m	20	20			
5		2 m	11		11		
6		4 m	21			21	
7	DP (GA-03)	0 m	61	122			
8		2 m	102		204		
9		4 m	62			124	
10	FP (GA-04)	0 m	6	24			
11		2 m	3		12		
12		4 m	3			12	
13	SP (Double Circuit)GA-05	0 m	0	0			
14		2 m	0		0		
15		4 m	0			0	
16	DP (Double Circuit)GA-06	0 m	14	28			
17		2 m	3		6		
18		4 m	5			10	
19	FP (Double Circuit)GA-07	0 m	2	8			
20		2 m	0		0		
21		4 m	2			8	
			0				
	TOTAL			268	244	183	
NOTE:- SPECIAL POLE SUGGESTED ON LOCATION AP-251 & AP-252.(RIVER CROSSING)							

TECHNOFAB ENGINEERING LIMITED TRIPURA

Shubu Das (AE)

आर. गणेश मणि / R. Ganesh Mani
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POWER GRID CORPORATION OF INDIA LIMITED

Dy. Manager

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 132/33KV SABROOM S/S TO PROPOSED 33/11KV MANUGHAT S/S

	SL.NO	APNO AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	GPS CO-ORDINATE(WGS-84) NORTHING	REMARKS
HOLD	1		AP-1	1	FP+4	4						SUBROOM	91°42'24.9"	23°1'24.9"	
								44	44	44	NH-44, 11kv				
	2		AP-2	2	FP+4	4	72°26'7"LT					SUBROOM	91°42'26.4"	23°1'25.4"	
								39							
	3			LOC-2/1	SP+0	0									
								39	78	122					
HOLD	4		AP-3	3	SP+4	4	6°52'56"LT					SUBROOM	91°42'28"	23°1'23.4"	SP WITH ANGLE
								30	30	152	LT Line				
	5	5	AP-4	4	DP+2	2	9°43'52"LT					SUBROOM	91°42'28.7"	23°1'22.7"	USE DP AS A SECTION POLE
								35							
	6			LOC-4/1	SP+0	0									
								35							
	7			LOC-4/2	SP+2	2									
								34	104	256	LT Line				
HOLD	8	6	AP-5	5	SP+2	2	9°50'50"LT					SUBROOM	91°42'31.7"	23°1'20.7"	SP WITH ANGLE
								30	30	286					
	9		AP-6	6	SP+4	4	1°4'22"RT					SUBROOM	91°42'32.6"	23°1'20.2"	SP WITH ANGLE
								30	30	316	11kv Road				
	10	7	AP-7	7	DP+4	4	9°44'16"LT					SUBROOM	91°42'33.5"	23°1'19.8"	USE DP AS A SECTION POLE
								45			Metal Road				
	11			LOC-7/1	SP+0	0									
								45							
	12			LOC-7/2	SP+0	0									
								45							
	13			LOC-7/3	SP+0	0									
								45	180	496					
	14		AP-8	8	SP+0	0	8°4'13"RT					SUBROOM	91°42'39.6"	23°1'18"	SP WITH ANGLE
								31	31	527	Metal Road				
	15	8	AP-9	9	DP+0	0	12°49'46"RT					SUBROOM	91°42'40.5"	23°1'17.5"	
								38	38	565					
	16		AP-10	10	SP+0	0	6°42'15"RT					SUBROOM	91°42'41.6"	23°1'16.7"	SP WITH ANGLE
								26	26	591					
HOLD	17	9	AP-11	11	SP+4	4	7°1'38"RT					SUBROOM	91°42'42.2"	23°1'16.1"	SP WITH ANGLE
								44			LT Line				
	18			LOC-11/1	SP+4	4									
								44							
	19			LOC-11/2	SP+0	0									
								44	132	723					
	20		AP-12	12	DP+0	0	5°53'41"LT					SUBROOM	91°42'45.1"	23°1'12.7"	USE DP AS A SECTION POLE
								35							
	21			LOC-12/1	SP+0	0									

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOFAB

Shubadas(AE) POWERGRID

आर. गणेश मणि / R. Ganesh Mani
अभियंता / Engineer
पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

R.C. Rana
Dy. Manager
NERPSIP-SATCHARI

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 132/33KV SABROOM S/S TO PROPOSED 33/11KV MANUGHAT S/S

SL.NO	APNO AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							35							
22			LOC-12/2	SP+4	4									
							34	104	827	11Kv+LT Line				
23	10	AP-13	13	DP+4	4	14°43'18"RT					SUBROOM	91°42'47.6"	23°1'10.3"	
							39							
24			LOC-13/1	SP+0	0									
							39	78	905	Village Road				
25	11	AP-14	14	DP+4	4	17°34'33"RT					SUBROOM	91°42'48.9"	23°1'8"	
							35			11Kv+LT Line				
26			LOC-14/1	DP+4	4									Use DP Pole For Power Line Crossing
							35			Vill Road				
27	12		LOC-14/2	SP+0	0									
							34	104	1009					
28		AP-15	15	DP+0	0	13°19'52"LT					SUBROOM	91°42'49.6"	23°1'4.7"	
							26	26	1035					
29	13	AP-16	16	DP+0	0	11°33'9"LT					SUBROOM	91°42'49.9"	23°1'3.9"	
							39							
30			LOC-16/1	SP+0	0									
							39	78	1113					
31		AP-17	17	DP+0	0	48°14'3"RT					SUBROOM	91°42'51.6"	23°1'1.9"	
							20	20	1133	NH-44				
32	14	AP-18	18	FP+0	0	66°53'40"LT					SUBROOM	91°42'51.4"	23°1'1.2"	
							39							
33			LOC-18/1	SP+0	0									
							39							
34			LOC-18/2	SP+0	0									
							39							
35			LOC-18/3	SP+0	0									
							37	154	1287					
36		AP-19	19	DP+2	2	4°7'32"LT					SUBROOM	91°42'55.8"	23°0'58.3"	USE DP AS A SECTION POLE
							29	29	1316	Metal Road, LT Line				
37		AP-20	20	SP+4	4	6°39'21"RT					SUBROOM	91°42'56.7"	23°0'57.8"	SP WITH ANGLE
							26	26	1342					
38	16	AP-21	21	SP+4	4	4°21'12"RT					SUBROOM	91°42'57.4"	23°0'57.3"	SP WITH ANGLE
							27	27	1369	11Kv				
39		AP-22	22	SP+4	4	4°47'17"LT					SUBROOM	91°42'58.1"	23°0'56.7"	SP WITH ANGLE
							26			LT Line				
40			LOC-22/1	SP+2	2									
							25	51	1420					
41		AP-23	23	DP+0	0	19°25'58"RT					OFFICE TILA	91°42'59.5"	23°0'55.7"	

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TECHNOFAB ENGINEERING LIMITED TRIPURA

Shuba Dan (AE)

आर. गणेश मणि / R. Ganesh Mani
अभियंता / Engineer
पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

M.C. Ram
Dy. Manager
NERPSIP-SATCHARD

SUBMITTED BY:TECHNOFAB

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 132/33KV SABROOM S/S TO PROPOSED 33/11KV MANUGHAT S/S

SL.NO	APNO AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							26	26	1446	Nala				
42		AP-24	24	SP+0	0	2°12'48"RT					OFFICE TILA	91°43'0"	23°0'55"	SP WITH ANGLE
							26	26	1472					
43	17	AP-25	25	DP+0	0	18°38'41"RT					OFFICE TILA	91°43'0.5"	23°0'54.3"	
							35							
44			LOC-25/1	SP+0	0									
							35							
45			LOC-25/2	SP+0	0									
							34	104	1576					
46		AP-26	26	SP+0	0	3°30'36"RT					OFFICE TILA	91°43'1.3"	23°0'51"	SP WITH ANGLE
							32	32	1608					
47		AP-27	27	DP+0	0	59°3'10"LT					OFFICE TILA	91°43'1.4"	23°0'50"	
							29	29	1637	NH-44				
48	18	AP-28	28	DP+4	4	58°12'23"RT					OFFICE TILA	91°43'1.4"	23°0'49.6"	
							28	28	1665	11Kv				
49		AP-29	29	DP+4	4	27°33'33"LT					OFFICE TILA	91°43'2.5"	23°0'48.7"	
							45			11Kv				
50			LOC-29/1	SP+4	4									
							33	78	1743	2Nos Metal Road				
51		AP-30	30	FP+0	0	69°21'44"RT					OFFICE TILA	91°43'4.3"	23°0'46.8"	
							23	23	1766	NH-44				
52		AP-31	31	FP+4	4	72°50'59"LT					OFFICE TILA	91°43'4"	23°0'46.1"	
							39			11Kv				
53			LOC-31/1	DP+4	4									Use DP Pole For Power Line Crossing
							39	78	1844					
54	20	AP-32	32	SP+0	0	8°26'21"RT					OFFICE TILA	91°43'5.9"	23°0'44.3"	SP WITH ANGLE
							35							
55			LOC-32/1	SP+0	0									
							35							
56			LOC-32/2	SP+0	0									
							34	104	1948					
57	21	AP-33	33	SP+4	4	6°23'9"RT					OFFICE TILA	91°43'8.1"	23°0'41.6"	SP WITH ANGLE
							26	26	1974	LT Line				
58		AP-34	34	SP+4	4	4°13'36"LT					OFFICE TILA	91°43'8.6"	23°0'40.9"	SP WITH ANGLE
							26	26	2000					
59		AP-35	35	DP+0	0	13°38'22"RT					OFFICE TILA	91°43'9.1"	23°0'40.2"	
							26	26	2026	Vill Road				
60		AP-36	36	DP+0	0	17°53'36"RT					OFFICE TILA	91°43'9.4"	23°0'39.4"	
							26	26	2052					
61		AP-37	37	DP+0	0	12°0'20"LT					OFFICE TILA	91°43'9.5"	23°0'38.6"	

HOLD

HOLD

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY: TECHNOFAB

Shuba Das (AE)

आर. गणेश मणि / R. Ganesh Mani
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POWER GRID CORPORATION OF INDIA LIMITED

M.C. Ram
Dy. Manager
P-SATCHAND

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 132/33KV SABROOM S/S TO PROPOSED 33/11KV MANUGHAT S/S

SL.NO	APNO AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							26							
62			LOC-37/1	SP+0	0									
							26	52	2104	Village Road				
63		AP-38	38	DP+4	4	15°5'52"RT					OFFICE TILA	91°43'10"	23°0'37"	
							26	26	2130	11Kv+LT Line				
64		AP-39	39	DP+4	4	11°33'13"RT					OFFICE TILA	91°43'10"	23°0'36.1"	
							26							
65			LOC-39/1	SP+4	4									
							26	52	2182	11Kv+LT Line				
66		AP-40	40	SP+4	4	1°40'53"LT					OFFICE TILA	91°43'9.6"	23°0'34.5"	SP WITH ANGLE
							26							
67			LOC-40/1	SP+0	0									
							26	52	2234					
68		AP-41	41	DP+0	0	18°44'47"LT					OFFICE TILA	91°43'9.3"	23°0'32.8"	
							26	26	2260					
69	24	AP-42	42	DP+0	0	13°52'44"LT					DUMDUMA	91°43'9.5"	23°0'32"	
							26	26	2286	Metal Road				
70		AP-43	43	DP+0	0	24°55'41"LT					DUMDUMA	91°43'9.8"	23°0'31.2"	
							40							
71			LOC-43/1	SP+0	0									
							40	80	2366					
72		AP-44	44	DP+0	0	27°52'54"RT					DUMDUMA	91°43'11.9"	23°0'29.4"	
							45							
73			LOC-44/1	SP+0	0									
							45							
74			LOC-44/2	SP+0	0									
							45	135	2501					
75		AP-45	45	DP+0	0	28°51'51"RT					DUMDUMA	91°43'13.5"	23°0'25.3"	
							29	29	2530					
76		AP-46	46	DP+4	4	41°41'27"RT					DUMDUMA	91°43'13.4"	23°0'24.4"	
							23	23	2553	11Kv				
77		AP-47	47	DP+4	4	37°18'13"LT					DUMDUMA	91°43'12.7"	23°0'23.9"	
							33	33	2586					
78		AP-48	48	DP+0	0	18°44'56"RT					DUMDUMA	91°43'12.5"	23°0'22.9"	
							30							
79			LOC-48/1	SP+0	0									
							30	60	2646	Nala				
80		AP-49	49	DP+0	0	14°42'22"RT					DUMDUMA	91°43'11.3"	23°0'21.2"	
							29							
81			LOC-49/1	SP+0	0									
							27	56	2702					

HOLD

HOLD

TECHNOFAB ENGINEERING LIMITED TRIPURA

Shuba Dean (AE)

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POWER GRID CORPORATION OF INDIA LIMITED

M.C. Ram
Dy. Manager
NERPSIP-SATCHARD

SUBMITTED BY: TECHNOFAB

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 132/33KV SABROOM S/S TO PROPOSED 33/11KV MANUGHAT S/S

SL.NO	APNO AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
82		AP-50	50	SP+0	0	3°27'54"RT					DUMDUMA	91°43'9.9"	23°0'20"	SP WITH ANGLE
							32	32	2734					
83		AP-51	51	DP+0	0	13°30'53"LT					DUMDUMA	91°43'9"	23°0'19.3"	
							27							
84			LOC-51/1	SP+0	0									
							28	55	2789					
85		AP-52	52	FP+0	0	64°11'35"LT					DUMDUMA	91°43'7.9"	23°0'17.9"	
							35							
86			LOC-52/1	SP+0	0									
							38							
87			LOC-52/2	SP+0	0									
							39	112	2901					
88		AP-53	53	DP+0	0	38°19'6"LT					DUMDUMA	91°43'9.6"	23°0'14.6"	
							31	31	2932					
89		AP-54	54	SP+4	4	5°56'17"RT					DUMDUMA	91°43'10.6"	23°0'14.3"	SP WITH ANGLE
							29	29	2961	11Kv				
90		AP-55	55	DP+4	4	25°12'55"RT					DUMDUMA	91°43'11.5"	23°0'13.7"	
							30	30	2991					
91		AP-56	56	DP+0	0	51°7'48"RT					DUMDUMA	91°43'12.1"	23°0'12.9"	
							28			Nala				
92			LOC-56/1	SP+0	0									
							27	55	3046					
93		AP-57	57	DP+0	0	13°39'47"RT					DUMDUMA	91°43'11.5"	23°0'11.2"	
							40							
94			LOC-57/1	SP+0	0									
							40	80	3126					
95		AP-58	58	FP+0	0	90°00'00"LT					DUMDUMA	91°43'10.1"	23°0'9"	
							31	31	3157	Nala				
96		AP-59	59	SP+0	0	7°5'13"RT					DOLU BARIA	91°43'11.1"	23°0'8.5"	SP WITH ANGLE
							30	30	3187					
97		AP-60	60	DP+0	0	31°4'17"RT					DOLU BARIA	91°43'11.9"	23°0'7.9"	
							29							
98			LOC-60/1	SP+2	2									
							29	58	3245	2Nos LT Line				
99		AP-61	61	DP+2	2	24°19'50"LT					DOLU BARIA	91°43'12.7"	23°0'6.2"	
							27	27	3272	Metal Road				
100		AP-62	62	DP+2	2	39°42'53"RT					DOLU BARIA	91°43'13.4"	23°0'5.6"	
							27	27	3299	Metal Road, LT Line				
101		AP-63	63	SP+2	2	9°6'9"RT					DOLU BARIA	91°43'13.5"	23°0'4.7"	SP WITH ANGLE
							26	26	3325	LT Line				
102		AP-64	64	SP+2	2	5°53'56"LT					DOLU BARIA	91°43'13.5"	23°0'3.8"	SP WITH ANGLE

HOLD

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Shuba Das (AE)

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY: TECHNOFAB

श्री. गणेश मणि / R. Ganesh Mani
अभियंता / Engineer
पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

M.C. Roy
Dy. Manager
NERPSIP-SATCHARI

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 132/33KV SABROOM S/S TO PROPOSED 33/11KV MANUGHAT S/S

SL.NO	APNO AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							28	28	3353	Metal Road, LT Line				
103		AP-65	65	DP+2	2	72°20'21"RT					DOLU BARIA	91°43'13.5"	23°0'2.9"	
							27	27	3380	Metal Road				
104		AP-66	66	DP+2	2	19°26'5"LT					DOLU BARIA	91°43'12.7"	23°0'2.6"	
							23	23	3403	LT Line				
105		AP-67	67	SP+4	4	1°11'58"LT					DOLU BARIA	91°43'12.1"	23°0'2.1"	SP WITH ANGLE
							24	24	3427	Vill Road, Metal Road				
106		AP-68	68	FP+0	0	88°44'43"LT					DOLU BARIA	91°43'11.4"	23°0'1.6"	
							26	26	3453					
107		AP-69	69	DP+2	2	51°54'36"RT					DOLU BARIA	91°43'12"	23°0'1"	
							24	24	3477	Metal Road, LT Line				
108		AP-70	70	DP+2	2	12°28'41"RT					DOLU BARIA	91°43'11.9"	23°0'0.2"	
							25	25	3502	Metal Road				
109		AP-71	71	SP+0	0	8°45'14"RT					DOLU BARIA	91°43'11.5"	22°59'59.4"	SP WITH ANGLE
							26	26	3528					
110		AP-72	72	SP+0	0	6°36'7"LT					DOLU BARIA	91°43'11"	22°59'58.7"	SP WITH ANGLE
							27	27	3555					
111		AP-73	73	DP+4	4	11°90'15"LT					DOLU BARIA	91°43'10.6"	22°59'57.9"	
							26	26	3581	LT Line,11Kv				
112		AP-74	74	DP+4	4	22°1'57"LT					DOLU BARIA	91°43'10.4"	22°59'57.1"	
							35							
113			LOC-74/1	SP+0	0									
							37							
114			LOC-74/2	SP+0	0									
							38	110	3691	LT Line				
115		AP-75	75	DP+0	0	17°53'20"RT					DOLU BARIA	91°43'10.9"	22°59'53.6"	
							26	26	3717					
116		AP-76	76	SP+0	0	6°22'55"LT					DOLU BARIA	91°43'10.8"	22°59'52.7"	SP WITH ANGLE
							29	29	3746					
117		AP-77	77	DP+0	0	19°47'34"LT					DOLU BARIA	91°43'10.7"	22°59'51.8"	
							26	26	3772					
118		AP-78	78	D/C DP+0	0	19°43'49"RT					DOLU BARIA	91°43'11"	22°59'51"	ONLINE FOR 11KV
							28	28	3800					
119		AP-79	79	D/C DP+0	0	21°10'58"LT					DOLU BARIA	91°43'10.9"	22°59'50.1"	ONLINE FOR 11KV
							25	25	3825					
120		AP-80	80	DP+2	2	80°32'04"RT					DOLU BARIA	91°43'11.2"	22°59'49.3"	
							27	27	3852	Metal Road				
121		AP-81	81	DP+2	2	04°44'22"LT					DOLU BARIA	91°43'10.9"	22°59'48.5"	USED DP+2 FOR PGCIL ADVICED
							26	26	3878					
122		AP-82	82	DP+2	2	21°39'30"LT					DOLU BARIA	91°43'10.2"	22°59'47.9"	
							42							

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TRIPURA ENGINEERING LIMITED

Shubu Dan (AE)

SUBMITTED BY TECHNOFAB

आर. गणेश मणि / R. Ganesh Mani
अभियंता / Engineer
पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 132/33KV SABROOM S/S TO PROPOSED 33/11KV MANUGHAT S/S

SL.NO	APNO AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	NORTHING	REMARKS
123			LOC-82/1	SP+4	4									
							34	76	3954	11Kv				
124		AP-83	83	DP+4	4	20°25'37"LT					DOLU BARIA	91°43'9.1"	22°59'45.7"	
							27	27	3981					
125		AP-84	84	DP+2	2	26°6'52"LT					DOLU BARIA	91°43'9"	22°59'44.8"	USED DP+2 FOR PGCIL ADVICED
							26	26	4007	Vill-Road				
126		AP-85	85	DP+0	0	20°30'31"LT					DOLU BARIA	91°43'9.3"	22°59'44"	
							35							
127			LOC-85/1	SP+0	0									
							35							
128			LOC-85/2	SP+0	0									
							34	104	4111					
129		AP-86	86	SP+4	4	7°29'9"RT					DOLU BARIA	91°43'11.7"	22°59'41.5"	SP WITH ANGLE
							27	27	4138	LT Line,11Kv				
130		AP-87	87	DP+4	4	55°23'27"RT					DOLU BARIA	91°43'12.3"	22°59'40.7"	
							30	30	4168					
131		AP-88	88	DP+2	2	9°11'8"RT					DOLU BARIA	91°43'11.9"	22°59'39.8"	USED DP+2 FOR PGCIL ADVICED
							41							
132			LOC-88/1	DP+2	2									USED DP+2 FOR PGCIL ADVICED
							41							
133			LOC-88/2	DP+4	4									
							37	109	4277	Metal Road, LT Line				
134		AP-89	89	DP+4	4	11°6'57"RT					DOLU BARIA	91°43'10"	22°59'36.8"	
							26	26	4303					
135		AP-90	90	DP+2	2	8°37'20"RT					DOLU BARIA	91°43'9.4"	22°59'36.2"	USED DP+2 FOR PGCIL ADVICED
							26	26	4329					
136		AP-91	91	DP+2	2	7°12'27"RT					HARINA TILA	91°43'8.7"	22°59'35.6"	USED DP+2 FOR PGCIL ADVICED
							27	27	4356	Metal Road				
137		AP-92	92	SP+0	0	8°58'51"LT					HARINA TILA	91°43'7.9"	22°59'35.1"	SP WITH ANGLE
							40							
138			LOC-92/1	D/C DP+0	0									ONLINE FOR LT LINE
							39							
139			LOC-92/2	D/C DP+0	0									ONLINE FOR LT LINE
							39							
140			LOC-92/3	D/C DP+0	0									ONLINE FOR LT LINE
							40	158	4514					
141		AP-93	93	D/C DP+4	4	4°23'28"RT					HARINA TILA	91°43'3.7"	22°59'31.7"	ONLINE FOR LT LINE
							40	40	4554	LT Line,11Kv				
142		AP-94	94	SP+4	4	3°52'20"LT					HARINA TILA	91°43'2.6"	22°59'30.9"	SP WITH ANGLE
							39	39	4593					
143		AP-95	95	DP+2	2	10°9'40"RT					HARINA TILA	91°43'1.6"	22°59'30.1"	USED DP+2 FOR PGCIL ADVICED

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TECHNOFAB ENGINEERING LIMITED TRIPURA

Shuba Das (AE)

SUBMITTED BY:TECHNOFAB

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अभियंता / Engineer
पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

Dy. Manager
KERPSIP-SATCHARD

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 132/33KV SABROOM S/S TO PROPOSED 33/11KV MANUGHAT S/S

SL.NO	APNO AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
144			LOC-95/1	DP+2	2									USED DP+2 FOR PGCIL ADVICED
							39	78	4671					
145		AP-96	96	DP+2	2	5°59'50"RT					HARINA TILA	91°42'59.2"	22°59'28.8"	USED DP+2 FOR PGCIL ADVICED
							26							
146			LOC-96/1	DP+2	2									USED DP+2 FOR PGCIL ADVICED
							26	52	4723					
147		AP-97	97	DP+2	2	4°5'6"RT					HARINA TILA	91°42'57.6"	22°59'28.1"	USED DP+2 FOR PGCIL ADVICED
							39							
148			LOC-97/1	DP+2	2									USED DP+2 FOR PGCIL ADVICED
							39	78	4801					
149		AP-98	98	DP+2	2	3°57'37"RT					HARINA TILA	91°42'55"	22°59'27.2"	USED DP+2 FOR PGCIL ADVICED
							39							
150			LOC-98/1	DP+2	2									USED DP+2 FOR PGCIL ADVICED
							40	79	4880					
151		AP-99	99	DP+4	4	14°28'15"RT					HARINA TILA	91°42'52.3"	22°59'26.4"	
							27	27	4907	11Kv, LT Line				
152		AP-100	100	DP+4	4	3°40'29"RT					HARINA TILA	91°42'51.4"	22°59'26.4"	Use DP For Power Line Crossing
							26	26	4933					
153		AP-101	101	DP+2	2	9°59'35"RT					HARINA TILA	91°42'50.5"	22°59'26.4"	USED DP+2 FOR PGCIL ADVICED
							26	26	4959	Vill Road				
154		AP-102	102	DP+2	2	12°57'10"RT					HARINA TILA	91°42'49.6"	22°59'26.6"	USED DP+2 FOR PGCIL ADVICED
							35							
155			LOC-102/1	DP+2	2									USED DP+2 FOR PGCIL ADVICED
							35			Vill Road				
156			LOC-102/2	DP+2	2									USED DP+2 FOR PGCIL ADVICED
							36	106	5065					
157		AP-103	103	DP+2	2	13°21'47"LT					HARINA TILA	91°42'46.2"	22°59'28"	USED DP+2 FOR PGCIL ADVICED
							29	29	5094					
158		AP-104	104	DP+4	4	8°32'32"LT					HARINA TILA	91°42'45.2"	22°59'28.2"	Use DP For Power Line Crossing
							33	33	5127	11Kv, Metal Road				
159		AP-105	105	DP+4	4	6°13'22"LT					HARINA TILA	91°42'44"	22°59'28.2"	Use DP For Power Line Crossing
							26	26	5153	11Kv				
160		AP-106	106	DP+4	4	3°1'27"RT					HARINA TILA	91°42'43.1"	22°59'28.2"	Use DP For Power Line Crossing
							26	26	5179	11Kv, Vill Road				
161		AP-107	107	DP+4	4	1°21'58"LT					HARINA TILA	91°42'42.2"	22°59'28.1"	Use DP For Power Line Crossing
							27	27	5206					
162		AP-108	108	DP+2	2	3°5'18"RT					HARINA TILA	91°42'41.3"	22°59'28.1"	USED DP+2 FOR PGCIL ADVICED
							26	26	5232					
163		AP-109	109	DP+2	2	2°33'39"LT					HARINA TILA	91°42'40.3"	22°59'28.1"	USED DP+2 FOR PGCIL ADVICED
							39							

TECHNO FAB ENGINEERING LIMITED TRIPURA

Shuba Dan (AE)

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POWER GRID CORPORATION OF INDIA LIMITED

Dy. Manager
NERPSIP-SATCHAR

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 132/33KV SABROOM S/S TO PROPOSED 33/11KV MANUGHAT S/S

SL.NO	APNO AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
164			LOC-109/1	DP+2	2									USED DP+2 FOR PGCIL ADVICED
							39	78	5310	Vill Road				
165		AP-110	110	DP+4	4	16°55'11"RT					HARINA TILA	91°42'37.6"	22°59'28"	
							27	27	5337	Metal Road, LT Line				
166		AP-111	111	DP+4	4	2°35'8"RT					HARINA TILA	91°42'36.7"	22°59'28.3"	Use DP For Power Line Crossing
							30	30	5367	11Kv, Vill Road				
167		AP-112	112	DP+4	4	28°6'38"LT					HARINA TILA	91°42'35.7"	22°59'28.6"	
							28	28	5395					
168		AP-113	113	DP+4	4	18°33'16"LT					HARINA TILA	91°42'34.7"	22°59'28.4"	
							28	28	5423	11Kv,Metal Road				
169		AP-114	114	DP+4	4	4°9'58"LT					HARINA TILA	91°42'33.9"	22°59'28"	used DP for power line - x
							26	26	5449	11Kv				
170		AP-115	115	DP+4	4	23°16'25"RT					HARINA TILA	91°42'33.1"	22°59'27.5"	
							26	26	5475	Metal Road				
171		AP-116	116	DP+2	2	3°7'10"RT					HARINA TILA	91°42'32.2"	22°59'27.4"	USED DP+2 FOR PGCIL ADVICED
							32							
172			LOC 116/1	SP+0	0									
							30	62	5537					
173		AP-117	117	DP+0	0	2°52'16"RT					HARINA TILA	91°42'30"	22°59'27.1"	USED DP+2 FOR PGCIL ADVICED
							26	26	5563					
174		AP-118	118	DP+0	0	5°45'43"LT					HARINA TILA	91°42'29.1"	22°59'27.1"	USED DP+2 FOR PGCIL ADVICED
							26							
175			LOC-118/1	DP+0	0									USED DP+2 FOR PGCIL ADVICED
							26	52	5615					
176		AP-119	119	DP+0	0	1°58'0"RT					HARINA TILA	91°42'27.3"	22°59'26.8"	USED DP+2 FOR PGCIL ADVICED
							26	26	5641					
177		AP-120	120	DP+0	0	6°57'56"RT					HARINA TILA	91°42'26.4"	22°59'26.7"	USED DP+2 FOR PGCIL ADVICED
							28	28	5669					
178		AP-121	121	DP+4	4	13°10'52"LT					HARINA TILA	91°42'25.4"	22°59'26.7"	
							27	27	5696	11Kv, Metal Road				
179		AP-122	122	DP+4	4	15°47'56"RT					HARINA TILA	91°42'24.5"	22°59'26.5"	
							26	26	5722	Metal Road				
180		AP-123	123	DP+2	2	14°5'42"LT					HARINA TILA	91°42'23.6"	22°59'26.5"	USED DP+2 FOR PGCIL ADVICED
							26	26	5748	Vill Road, LT Line				
181		AP-124	124	DP+2	2	17°20'59"RT					HARINA TILA	91°42'22.7"	22°59'26.3"	USED DP+2 FOR PGCIL ADVICED
							27	27	5775					
182		AP-125	125	DP+2	2	14°49'19"RT					HARINA TILA	91°42'21.8"	22°59'26.4"	USED DP+2 FOR PGCIL ADVICED
							26	26	5801	LT Line				
183		AP-126	126	DP+2	2	2°33'43"LT					HARINA TILA	91°42'20.9"	22°59'26.7"	USED DP+2 FOR PGCIL ADVICED
							27	27	5828	11KV,Vill Road, LT Line				
184		AP-127	127	FP+2	2	65°48'30"LT					HARINA TILA	91°42'20"	22°59'26.9"	

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Dy. Manager
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APPROVED BY

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DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 132/33KV SABROOM S/S TO PROPOSED 33/11KV MANUGHAT S/S

SL.NO	APNO AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							27	27	5855					
185		AP-128	128	DP+2	2	18°15'3"LT					HARINA TILA	91°42'19.4"	22°59'26.3"	USED DP+2 FOR PGCIL ADVICED
							26	26	5881	LT Line				
186		AP-129	129	DP+2	2	10°20'5"LT					HARINA TILA	91°42'19"	22°59'25.5"	USED DP+2 FOR PGCIL ADVICED
							26	26	5907					
187		AP-130	130	DP+2	2	14°28'34"RT					HARINA TILA	91°42'18.8"	22°59'24.7"	USED DP+2 FOR PGCIL ADVICED
							26	26	5933	LT Line				
188		AP-131	131	DP+4	4	12°48'26"RT					HARINA TILA	91°42'18.4"	22°59'23.9"	
							25	25	5958	11Kv, Metal Road				
189		AP-132	132	DP+4	4	33°52'23"RT					HARINA TILA	91°42'17.8"	22°59'23.3"	
							26	26	5984					USED DP+2 FOR PGCIL ADVICED
190		AP-133	133	DP+2	2	22°05'46"RT					HARINA TILA	91°42'16.9"	22°59'23.1"	
							45			Metal Road				
191		AP-134	134	D/C DP+2	2	3°19'9"RT					HARINA TILA	91°42'16"	22°59'23.1"	USED DP+2 FOR PGCIL ADVICED
							33	78	6062					
193		AP-135	135	D/C FP+4	4	69°58'01"LT					HARINA TILA	91°42'14.2"	22°59'23.4"	
							26	26	6088	Metal Road				
194		AP-136	136	DP+2	2	13°11'48"RT					HARINA TILA	91°42'13.8"	22°59'22.6"	USED DP+2 FOR PGCIL ADVICED
							26	26	6114	Metal Road,11KV				
195		AP-137	137	DP+2	2	28°5'14"RT					HARINA TILA	91°42'13.2"	22°59'22"	USED DP+2 FOR PGCIL ADVICED
							26	26	6140					
196		AP-138	138	DP+2	2	38°11'15"RT					HARINA TILA	91°42'12.4"	22°59'21.6"	USED DP+2 FOR PGCIL ADVICED
							35							
197			LOC-138/1	DP+2	2									USED DP+2 FOR PGCIL ADVICED
							34							
198			LOC-138/2	DP+2	2									USED DP+2 FOR PGCIL ADVICED
							35	104	6244					
199		AP-139	139	DP+2	2	9°52'49"RT					HARINA TILA	91°42'8.9"	22°59'22.6"	USED DP+2 FOR PGCIL ADVICED
							26	26	6270					
200		AP-140	140	DP+2	2	1°52'5"LT					HARINA TILA	91°42'8"	22°59'22.9"	USED DP+2 FOR PGCIL ADVICED
							39							
201			LOC-140/1	DP+2	2									USED DP+2 FOR PGCIL ADVICED
							39	78	6348					
202		AP-141	141	DP+2	2	11°47'7"LT					BRAJENDRA NAGAR	91°42'5.5"	22°59'24"	USED DP+2 FOR PGCIL ADVICED
							26	26	6374					
203		AP-142	142	DP+2	2	19°51'40"LT					BRAJENDRA NAGAR	91°42'4.6"	22°59'24.1"	USED DP+2 FOR PGCIL ADVICED
							26	26	6400					
204		AP-143	143	DP+2	2	3°1'24"LT					BRAJENDRA NAGAR	91°42'3.7"	22°59'24"	USED DP+2 FOR PGCIL ADVICED
							26	26	6426					
205		AP-144	144	DP+2	2	12°13'36"RT					BRAJENDRA NAGAR	91°42'2.8"	22°59'23.9"	USED DP+2 FOR PGCIL ADVICED
							26	26	6452					

SUBMITTED BY:TECHNOFAB

Shuba Das(AE)

आर. गणेश मणि / R. Ganesh Mani
अभियंता / Engineer
पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 132/33KV SABROOM S/S TO PROPOSED 33/11KV MANUGHAT S/S

HOLD

SL.NO	APNO AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
206		AP-145	145	DP+2	2	24°51'25"RT					BRAJENDRA NAGAR	91°42'1.9"	22°59'23.9"	USED DP+2 FOR PGCIL ADVICED
							26	26	6478					
207		AP-146	146	DP+2	2	6°48'40"LT					BRAJENDRA NAGAR	91°42'1.1"	22°59'24.8"	USED DP+2 FOR PGCIL ADVICED
							26							
208			LOC-146/1	DP+2	2									USED DP+2 FOR PGCIL ADVICED
							26	52	6530					
209		AP-147	147	DP+2	2	1°56'1"RT					BRAJENDRA NAGAR	91°41'59.4"	22°59'24.8"	USED DP+2 FOR PGCIL ADVICED
							26	26	6556					
210		AP-148	148	DP+2	2	12°54'44"LT					BRAJENDRA NAGAR	91°41'58.5"	22°59'25.1"	USED DP+2 FOR PGCIL ADVICED
							41			Vill Road				
211			LOC-148/1	D/C DP+4	4									ONLINE FOR 11KV
							31							
212			LOC-148/2	D/C DP+4	4									ONLINE FOR 11KV
							36							
213			LOC-148/3	DP+2	2									USED DP+2 FOR PGCIL ADVICED
							28	134	6690					
214		AP-149	149	DP+4	4	21°49'16"LT					BRAJENDRA NAGAR	91°41'53.9"	22°59'25.8"	
							26	26	6716	11Kv				
215		AP-150	150	DP+4	4	26°20'47"RT					BRAJENDRA NAGAR	91°41'53"	22°59'25.6"	
							26	26	6742					
216		AP-151	151	DP+4	4	16°42'40"RT					BRAJENDRA NAGAR	91°41'52.1"	22°59'25.8"	
							26	26	6768	11Kv				
217		AP-152	152	DP+4	4	25°55'21"LT					BRAJENDRA NAGAR	91°41'51.3"	22°59'26.3"	
							29	29	6797					
218		AP-153	153	DP+2	2	0°35'43"RT					BRAJENDRA NAGAR	91°41'50.3"	22°59'26.4"	USED DP+2 FOR PGCIL ADVICED
							31	31	6828	Vill Road				
219		AP-154	154	DP+2	2	17°38'21"LT					BRAJENDRA NAGAR	91°41'49.2"	22°59'26.4"	USED DP+2 FOR PGCIL ADVICED
							26							
220			LOC-154/1	DP+2	2									USED DP+2 FOR PGCIL ADVICED
							26	52	6880					
221		AP-155	155	DP+2	2	13°18'9"LT					BRAJENDRA NAGAR	91°41'47.4"	22°59'26.1"	USED DP+2 FOR PGCIL ADVICED
							26	26	6906					
222		AP-156	156	DP+2	2	17°51'12"LT					BRAJENDRA NAGAR	91°41'46.6"	22°59'25.7"	USED DP+2 FOR PGCIL ADVICED
							26	26	6932					
223		AP-157	157	DP+2	2	6°53'48"RT					BRAJENDRA NAGAR	91°41'46"	22°59'25.1"	USED DP+2 FOR PGCIL ADVICED
							26	26	6958					
224		AP-158	158	DP+4	4	13°20'47"LT					BRAJENDRA NAGAR	91°41'45.2"	22°59'24.6"	
							26	26	6984	11Kv				
225		AP-159	159	DP+4	4	29°21'18"RT					BRAJENDRA NAGAR	91°41'44.6"	22°59'24"	
							26							
226			LOC-159/1	DP+2	2									USED DP+2 FOR PGCIL ADVICED

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOFAB

Shuba Deb (AE)

आर. गणेश मणि / R. Ganesh Mani
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POWER GRID CORPORATION OF INDIA LIMITED

M.C. Ram
Dy. Manager
NERPSIP-SATCHARI

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 132/33KV SABROOM S/S TO PROPOSED 33/11KV MANUGHAT S/S

SL.NO	APNO AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							26	52	7036					
227		AP-160	160	DP+2	2	7°32'28"LT					BRAJENDRA NAGAR	91°41'42.9"	22°59'23.4"	USED DP+2 FOR PGCIL ADVICED
							28	28	7064	Metal Road				
228		AP-161	161	DP+2	2	36°56'47"RT					BRAJENDRA NAGAR	91°41'42.1"	22°59'22.9"	USED DP+2 FOR PGCIL ADVICED
							28	28	7092	Metal Road				
229		AP-162	162	DP+4	4	7°14'27"LT					BRAJENDRA NAGAR	91°41'41.1"	22°59'23.1"	
							33			Metal Road, LT Line				
230			LOC-162/1	DP+2	2									USED DP+2 FOR PGCIL ADVICED
							27	58	7150	Nala				
231		AP-163	163	DP+2	2	8°40'41"RT					BRAJENDRA NAGAR	91°41'39.1"	22°59'23.1"	USED DP+2 FOR PGCIL ADVICED
							28	28	7178					
232	111	AP-164	164	DP+2	2	10°22'46"LT					BRAJENDRA NAGAR	91°41'38.1"	22°59'23.3"	USED DP+2 FOR PGCIL ADVICED
							44							
233	112		LOC-164/1	DP+2	2									USED DP+2 FOR PGCIL ADVICED
							45	89	7267	Metal Road, LT Line				
234	113	AP-165	165	DP+2	2	1°32'29"LT					BRAJENDRA NAGAR	91°41'35"	22°59'23.3"	USED DP+2 FOR PGCIL ADVICED
							45	45	7312					
235	114	AP-166	166	DP+2	2	16°10'30"LT					BRAJENDRA NAGAR	91°41'33.4"	22°59'23.3"	USED DP+2 FOR PGCIL ADVICED
							30							
236			LOC-166/1	DP+2	2									USED DP+2 FOR PGCIL ADVICED
							30	60	7372	Vill Road, LT Line				
237	115	AP-167	167	DP+4	4	12°0'50"LT					BRAJENDRA NAGAR	91°41'31.4"	22°59'22.7"	
							41							
238	116		LOC-167/1	DP+2	2									USED DP+2 FOR PGCIL ADVICED
							41	82	7454					
239	117	AP-168	168	DP+2	2	6°33'40"LT					BRAJENDRA NAGAR	91°41'28.9"	22°59'21.3"	USED DP+2 FOR PGCIL ADVICED
							39							
240			LOC-168/1	DP+2	2									USED DP+2 FOR PGCIL ADVICED
							42	81	7535					
241		AP-169	169	DP+4	4	14°0'36"RT					BRAJENDRA NAGAR	91°41'26.6"	22°59'19.8"	
							26			11Kv+LT Line				
242			LOC-169/1	DP+4	4									
							26	52	7587	Metal Road				
243	119	AP-170	170	DP+2	2	0°25'20"RT					BRAJENDRA NAGAR	91°41'24.9"	22°59'19.1"	USED DP+2 FOR PGCIL ADVICED
							29	29	7616					
244		AP-171	171	DP+2	2	1°25'36"LT					CHOT KHIL	91°41'23.9"	22°59'18.8"	USED DP+2 FOR PGCIL ADVICED
							41							
245			LOC-171/1	DP+4	4									Used DP for power Line - x
							41	82	7698	Vill Road, 11Kv				
246	122	AP-172	172	DP+4	4	14°17'34"RT					CHOT KHIL	91°41'21.3"	22°59'17.7"	
							26	26	7724					

470H

TECHNOFAB ENGINEERING LIMITED TRIPURA
SUBMITTED BY TECHNOFAB

Shubu Das (AE)

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अभियंता / Engineer
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POWER GRID CORPORATION OF INDIA LIMITED

M.C. Das
Dy. Manager
NERTS/SP-SATCHAND

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 132/33KV SABROOM S/S TO PROPOSED 33/11KV MANUGHAT S/S

SL.NO	APNO AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
247		AP-173	173	DP+2	2	3°8'18"LT					CHOT KHIL	91°41'20.4"	22°59'17.6"	USED DP+2 FOR PGCL ADVICED
							30	30	7754					
248	123	AP-174	174	DP+2	2	22°31'27"RT					CHOT KHIL	91°41'19.4"	22°59'17.4"	USED DP+2 FOR PGCL ADVICED
							26	26	7780					
249		AP-175	175	DP+4	4	13°59'50"RT					CHOT KHIL	91°41'18.5"	22°59'17.5"	USED DP+2 FOR PGCL ADVICED
							26	26	7806	Metal Road, LT Line+11Kv				
250	124	AP-176	176	DP+4	4	24°14'33"LT					CHOT KHIL	91°41'17.6"	22°59'17.9"	USED DP+2 FOR PGCL ADVICED
							27	27	7833					
251	125	AP-177	177	DP+2	2	18°44'1"LT					CHOT KHIL	91°41'16.7"	22°59'17.8"	USED DP+2 FOR PGCL ADVICED
							26	26	7859	LT Line, Metal Road				
252		AP-178	178	DP+2	2	2°53'24"LT					CHOT KHIL	91°41'15.8"	22°59'17.6"	USED DP+2 FOR PGCL ADVICED
							26	26	7885					
253	126	AP-179	179	DP+2	2	58°31'28"LT					CHOT KHIL	91°41'15"	22°59'17.3"	USED DP+2 FOR PGCL ADVICED
							28	28	7913					
254	127	AP-180	180	DP+2	2	47°8'48"RT					CHOT KHIL	91°41'14.8"	22°59'16.4"	USED DP+2 FOR PGCL ADVICED
							26	26	7939					
255		AP-181	181	DP+2	2	10°53'5"LT					CHOT KHIL	91°41'14"	22°59'15.9"	USED DP+2 FOR PGCL ADVICED
							26	26	7965	2Nos LT Line				
256		AP-182	182	DP+2	2	22°40'6"RT					CHOT KHIL	91°41'13.4"	22°59'15.4"	USED DP+2 FOR PGCL ADVICED
							26	26	7991	Metal Road				
257		AP-183	183	DP+2	2	29°50'34"LT					CHOT KHIL	91°41'12.5"	22°59'15.1"	USED DP+2 FOR PGCL ADVICED
							29	29	8020	Vill Road				
258		AP-184	184	DP+2	2	5°59'27"LT					CHOT KHIL	91°41'11.9"	22°59'14.3"	USED DP+2 FOR PGCL ADVICED
							26	26	8046					
259	130	AP-185	185	DP+2	2	20°51'20"RT					CHOT KHIL	91°41'11.4"	22°59'13.6"	USED DP+2 FOR PGCL ADVICED
							26							
260	131		LOC-185/1	DP+2	2									USED DP+2 FOR PGCL ADVICED
							26	52	8098					
261		AP-186	186	DP+2	2	2°44'28"RT					CHOT KHIL	91°41'9.9"	22°59'12.6"	USED DP+2 FOR PGCL ADVICED
							26	26	8124	Vill Road				
262	132	AP-187	187	DP+2	2	2°31'13"RT					CHOT KHIL	91°41'9.2"	22°59'12.2"	USED DP+2 FOR PGCL ADVICED
							26	26	8150	LT Line				
263		AP-188	188	DP+2	2	4°55'46"RT					CHOT KHIL	91°41'8.4"	22°59'11.7"	USED DP+2 FOR PGCL ADVICED
							26	26	8176	Vill Road, LT Line				
264	133	AP-189	189	DP+2	2	8°21'52"RT					CHOT KHIL	91°41'7.6"	22°59'11.3"	USED DP+2 FOR PGCL ADVICED
							26	26	8202					
265	134	AP-190	190	DP+2	2	12°12'42"RT					CHOT KHIL	91°41'6.7"	22°59'11.1"	USED DP+2 FOR PGCL ADVICED
							26	26	8228	LT Line				
266		AP-191	191	SP+4	4	0°47'27"RT					BOT TALA	91°41'5.8"	22°59'11"	SP WITH ANGLE
							30	30	8258	11Kv, Metal Road				

HOLD

TECHNOFAB ENGINEERING LIMITED TRIPURA
SUBMITTED BY: TECHNOFAB

Shuba Das (AE)

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POWER GRID CORPORATION OF INDIA LIMITED

M.C. Ram
Dy. Manager
NERPSIP-SATCHAND

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 132/33KV SABROOM S/S TO PROPOSED 33/11KV MANUGHAT S/S

SL.NO	APNO AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
267	135	AP-192	192	SP+4	4	7°11'1"RT					BOT TALA	91°41'4.7"	22°59'10.9"	SP WITH ANGLE
							39							
268			LOC-192/1	SP+0	0									
							39	78	8336					
269	136	AP-193	193	DP+0	0	10°48'41"RT					BOT TALA	91°41'2"	22°59'11.1"	
							27	27	8363					
270	137	AP-194	194	DP+4	4	13°44'41"RT					BOT TALA	91°41'1.1"	22°59'11.3"	
							31	31	8394	2Nos 11Kv, Metal Road, LT Line				
271		AP-195	195	DP+4	4	17°28'39"LT					BOT TALA	91°41'0.1"	22°59'11.7"	
							40							
272	138		LOC-195/1	SP+0	0									
							39	79	8473	Metal Road				
273		AP-196	196	SP+4	4	4°15'33"RT					BOT TALA	91°40'57.4"	22°59'12.2"	SP WITH ANGLE
							29	29	8502	Metal Road, 11Kv				
274		AP-197	197	SP+4	4	3°3'43"LT					BOT TALA	91°40'56.4"	22°59'12.4"	SP WITH ANGLE
							26	26	8528					
275		AP-198	198	SP+2	2	0°17'20"RT					BOT TALA	91°40'55.5"	22°59'12.5"	SP WITH ANGLE
							30	30	8558	Metal Road, LT Line				
276	141	AP-199	199	DP+2	2	4°45'58"RT					BOT TALA	91°40'54.4"	22°59'12.7"	
							26	26	8584					
277	142	AP-200	200	SP+4	4	3°18'10"RT					BOT TALA	91°40'53.6"	22°59'13"	SP WITH ANGLE
							30	30	8614	Metal Road, Vill Road, 11Kv				
278		AP-201	201	DP+4	4	16°51'13"RT					BOT TALA	91°40'52.6"	22°59'13.3"	
							26							
279			LOC-201/1	SP+0	0									
							26	52	8666					
280	143	AP-202	202	DP+0	0	11°7'50"LT					BOT TALA	91°40'51.1"	22°59'14.3"	
							26	26	8692					
281	144	AP-203	203	SP+0	0	8°46'22"LT					BOT TALA	91°40'50.3"	22°59'14.6"	SP WITH ANGLE
							45							
282			LOC-203/1	SP+0	0									
							45							
283			LOC-203/2	SP+0	0									
							45							
284			LOC-203/3	SP+0	0									
							45							
285			LOC-203/4	DP+0	0									USE DP AS A SECTION POLE
							45							
286			LOC-203/5	SP+0	0									

HOLD

HOLD

HOLD

TRIPURA

Shuba Das (AE)

SUBMITTED BY TECHNOFAB

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POWER GRID CORPORATION OF INDIA LIMITED

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B.C. Ram
By. Manager
REEP GIS-SATCHAND

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OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 132/33KV SABROOM S/S TO PROPOSED 33/11KV MANUGHAT S/S

SL.NO	APNO AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							45							
287	146		LOC-203/6	SP+0	0									
							42	312	9004					
288	148	AP-204	204	DP+0	0	14°26'6"RT					BOT TALA	91°40'39.7"	22°59'17.5"	
							26	26	9030	Metal Road				
289		AP-205	205	SP+0	0	5°18'3"LT					BOT TALA	91°40'39"	22°59'17.9"	SP WITH ANGLE
							26	26	9056	Metal Road				
290		AP-206	206	SP+0	0	9°6'58"LT					BOT TALA	91°40'38.1"	22°59'18.3"	SP WITH ANGLE
							45							
HOLD 291			LOC-206/1	SP+4	4									
							45			11Kv				
292			LOC-206/2	SP+4	4									
							45							
293			LOC-206/3	SP+0	0									
							45	180	9236	Vill Road				
294		AP-207	207	DP+0	0	5°31'4"LT					BOT TALA	91°40'32.1"	22°59'19.9"	
							26							
295			LOC-207/1	SP+0	0									
							27	53	9289					
HOLD 296	150	AP-208	208	SP+2	2	3°49'26"LT					BOT TALA	91°40'30.2"	22°59'20.2"	SP WITH ANGLE
							39			LT Line				
297			LOC-208/1	SP+2	2									
							39	78	9367					
298		AP-209	209	DP+4	4	11°2'14"RT					BOT TALA	91°40'27.5"	22°59'20.5"	
							26	26	9393	11Kv, Metal Road, 11Kv+LT Line				
299		AP-210	210	DP+4	4	12°42'19"LT					BOT TALA	91°40'26.7"	22°59'20.8"	
							30							
300	151		LOC-210/1	SP+0	0									
							26	56	9449					
HOLD 301	152	AP-211	211	DP+2	2	14°17'9"LT					BOT TALA	91°40'24.7"	22°59'21"	
							26	26	9475	LT Line, Metal Road				
302		AP-212	212	SP+2	2	5°45'9"RT					BOT TALA	91°40'23.8"	22°59'20.8"	SP WITH ANGLE
							44							
303	153		LOC-212/1	SP+2	2									
							44			LT Line				
304			LOC-212/2	SP+2	2									
							44							
305			LOC-212/3	SP+0	0									
							44							
HOLD 306			LOC-212/4	SP+2	2									

Shuba Das (AE)

अर. गणेश मणि / R. Ganesh Mani
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POWER GRID CORPORATION OF INDIA LIMITED

SUBMITTED BY:TECHNOFAB.

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 132/33KV SABROOM S/S TO PROPOSED 33/11KV MANUGHAT S/S

SL.NO	APNO AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84) EASTING	GPS CO-ORDINATE(WGS-84) NORTHING	REMARKS
							44			LT Line				
307			LOC-212/5	DP+0	0									USE DP AS A SECTION POLE
							44			LT Line				
308			LOC-212/6	SP+2	2									
							43			Metal Road				
309			LOC-212/7	SP+0	0									
							43							
310			LOC-212/8	SP+0	0									
							43	393	9868					
311		AP-213	213	SP+0	0	2°8'33"RT					BOT TALA	91°40'10"	22°59'20.1"	SP WITH ANGLE
							39							
312	158		LOC-213/1	SP+0	0									
							39	78	9946					
313		AP-214	214	DP+0	0	7°8'28"LT					BOT TALA	91°40'7.3"	22°59'20"	
							35							
314			LOC-214/1	SP+0	0									
							35							
315	160		LOC-214/2	SP+0	0									
							34	104	10050					
316		AP-215	215	DP+4	4	17°21'18"RT					BOT TALA	91°40'3.7"	22°59'19.5"	
							26	26	10076	LT Line11Kv, Metal Road				
317		AP-216	216	DP+4	4	17°22'8"LT					BOT TALA	91°40'2.8"	22°59'19.7"	
							38			Vill Road				
318			LOC-216/1	SP+2	2									
							38	76	10152	LT Line				
319		AP-217	217	SP+2	2	1°19'45"LT					BOT TALA	91°40'0.1"	22°59'19.3"	SP WITH ANGLE
							41							
320			LOC-217/1	SP+0	0									
							41	82	10234					
321	162	AP-218	218	SP+0	0	7°2'4"RT					BOT TALA	91°39'57.3"	22°59'18.9"	SP WITH ANGLE
							39							
322			LOC-218/1	SP+0	0									
							39	78	10312					
323		AP-219	219	DP+4	4	24°7'0"LT					BOT TALA	91°39'54.5"	22°59'18.8"	
							26	26	10338	11Kv, Metal Road				
324		AP-220	220	DP+4	4	20°7'52"RT					BOT TALA	91°39'53.7"	22°59'18.4"	
							26	26	10364					
325		AP-221	221	DP+0	0	11°1'8"RT					BOT TALA	91°39'52.8"	22°59'18.3"	
							26	26	10390	Metal Road				
326		AP-222	222	SP+0	0	6°58'1"RT					BOT TALA	91°39'51.9"	22°59'18.3"	SP WITH ANGLE

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TECHNOFAB ENGINEERING LIMITED TRIPURA

Shuba Das (AE)

अर. गणेश मणि / R. Ganesh Mani
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POWER GRID CORPORATION OF INDIA LIMITED

M.C. Ram
Dy. Manager
KERPSIP-SATCHAND

SUBMITTED BY:TECHNOFAB

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 132/33KV SABROOM S/S TO PROPOSED 33/11KV MANUGHAT S/S

SL.NO	AP.NO AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							41							
327			LOC-222/1	SP+0	0									
							41	82	10472					
328	165	AP-223	223	SP+0	0	5°40'0"LT					BOT TALA	91°39'49.1"	22°59'18.5"	SP WITH ANGLE
							26							
329			LOC-223/1	SP+0	0									
							26	52	10524					
330	166	AP-224	224	DP+0	0	12°37'57"LT					BOT TALA	91°39'47.3"	22°59'19"	SP WITH ANGLE
							41	41	10565	Metal Road, LT Line				
331	167	AP-225	225	DP+0	0	31°06'25"RT					MANU GHAT	91°39'46.4"	22°58'19"	
							39	39	10604	Metal Road, LT Line				AP 226 OMITED
333		AP-227	227	DP+0	0	17°46'19"LT					MANU GHAT	91°39'44.6"	22°59'19.4"	SP WITH ANGLE
							26							
334	169		LOC-227/1	SP+0	0									
							26	52	10656					
335		AP-228	228	SP+0	0	1°30'32"RT					MANU GHAT	91°39'42.8"	22°59'19.6"	SP WITH ANGLE
							26	26	10682					
336	170	AP-229	229	DP+0	0	5°17'1.6"RT					MANU GHAT	91°39'42.6"	22°59'19.7"	USE DP AS A SECTION POLE
							26							
337			LOC-229/1	SP+2	2									
							26	52	10734	LT Line				
338	171	AP-230	230	SP+4	4	1°6'55"RT					MANU GHAT	91°39'40.8"	22°59'20.1"	SP WITH ANGLE
							26	26	10760	2Nos 11Kv, Metal Road, 2nos LT Line				
339	172	AP-231	231	SP+4	4	8°39'17"LT					MANU GHAT	91°39'39.2"	22°59'20.3"	SP WITH ANGLE
							27	27	10787					
340	173	AP-232	232	DP+4	4	37°57'55"RT					MANU GHAT	91°39'38.3"	22°59'20.4"	
							28	28	10815	LT Line, 11Kv, Metal Road				
341		AP-233	233	DP+4	4	14°54'51"RT					MANU GHAT	91°39'37.5"	22°59'21"	
							26							
342			LOC-233/1	SP+0	0									
							25	51	10866					
343	175	AP-234	234	DP+2	2	13°56'43"LT					MANU GHAT	91°39'36.6"	22°59'22.4"	
							26	26	10892	LT Line, Metal Road				
344		AP-235	235	DP+2	2	26°29'40"LT					MANU GHAT	91°39'35.9"	22°59'23"	
							26	26	10918					
345		AP-236	236	DP+0	0	11°1'27"LT					MANU GHAT	91°39'35.1"	22°59'23.2"	
							28	28	10946					
346		AP-237	237	DP+2	2	14°58'44"RT					MANU GHAT	91°39'34.1"	22°59'23.4"	
							26	26	10972	LT Line, Metal Road				
347	178	AP-238	238	SP+2	2	8°45'10"LT					MANU GHAT	91°39'33.2"	22°59'23.7"	SP WITH ANGLE

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Shuba Das (AE)

SUBMITTED BY TECHNOFAB

आर. गणेश मणि / R. Ganesh Mani
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POWER GRID CORPORATION OF INDIA LIMITED

Dy. Manager
CIP-SATCH

APPROVED BY:

DETAIL POLE SCHEDULE

SL.NO	APNO AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							26	26	10958					
348	179	AP-239	239	DP+0	0	17°53'50"RT					MANU GHAT	91°39'32.4"	22°59'23.9"	
							40							
349			LOC-239/1	SP+0	0									
							40							
350			LOC-239/2	SP+0	0									
							40							
351			LOC-239/3	SP+4	4									
							42	162	11160	11Kv, Metal Road, LT Line				
352		AP-240	240	SP+4	4	0°29'1"LT					MANU GHAT	91°39'27.5"	22°59'26.6"	SP WITH ANGLE
							40							
353			LOC-240/1	SP+0	0									
							40	80	11240					
354	183	AP-241	241	DP+0	0	2°19'3"RT					MANU GHAT	91°39'25.2"	22°59'28"	DP AS Section Pole
							29	29	11269	Vill Road				
355		AP-242	242	SP+2	2	9°34'6"RT					MANU GHAT	91°39'24.3"	22°59'28.6"	SP WITH ANGLE
							26	26	11295	2Nos LT Line, Metal Road				
356		AP-243	243	SP+2	2	5°56'19"LT					MANU GHAT	91°39'23.7"	22°59'29.2"	SP WITH ANGLE
							29							
357			LOC-243/1	SP+2	2									
							26	55	11350	LT Line				
358		AP-244	244	DP+0	0	27°42'28"LT					MANU GHAT	91°39'21.2"	22°59'30.3"	
							26	26	11376	Metal Road				
359		AP-245	245	DP+0	0	29°1'1"RT					MANU GHAT	91°39'21.3"	22°59'30.5"	
							26	26	11402					
360	185	AP-246	246	DP+2	2	17°24'10"LT					MANU GHAT	91°39'20.6"	22°59'31.1"	
							26	26	11428	11Kv,Metal Road				
361		AP-247	247	DP+2	2	15°38'26"LT					MANU GHAT	91°39'19.8"	22°59'31.4"	
							23	23	11451					
362		AP-248	248	DP+0	0	10°52'2"LT					MANU GHAT	91°39'19"	22°59'31.5"	
							28	28	11479	LT Line,Metal Road				
363	187	AP-249	249	DP+0	0	20°40'45"RT					MANU GHAT	91°39'18"	22°59'31.5"	
							42							
364			LOC-249/1	SP+0	0									
							44	86	11565	Metal Road				
365	188	AP-250	250	DP+4	4	12°43'30"LT					MANU GHAT	91°39'15.1"	22°59'32.4"	Use DP+4 Pole For Special Tower
							29	29	11594					

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POWER GRID CORPORATION OF INDIA LIMITED

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOFAB

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 132/33KV SABROOM S/S TO PROPOSED 33/11KV MANUGHAT S/S

HOLD

SL.NO	APNO AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
366		AP-251	251	SPL		0°13'44"LT					MANU GHAT	91°39'14.1"	22°59'32.4"	Use Special Tower For River Crossing
							97	97	11891	MANU RIVER				
367	189	AP-252	252	SPL		29°8'27"RT					MANU GHAT	91°39'10.7"	22°59'32.7"	Use Special Tower For River Crossing
							30							
368	190		LOC-252/1	DP+4	4									Use DP+4 Pole For Special Tower
							31	61	11752	LT Line				
369	191	AP-253	253	SP+2	2	5°32'20"RT					MANU GHAT	91°39'9"	22°59'33.8"	SP WITH ANGLE
							26							
370			LOC-253/1	SP+0	0									
							26	52	11804					
371		AP-254	254	DP+0	0	18°28'39"RT					MANU GHAT	91°39'7.6"	22°59'34.9"	
							26	26	11830					
372		AP-255	255	SP+0	0	2°41'49"LT					MANU GHAT	91°39'7.1"	22°59'35.6"	SP WITH ANGLE
							26							
373			LOC-255/1	SP+0	0									
							26	52	11882					
374		AP-256	256	DP+0	0	19°7'3"RT					MANU GHAT	91°39'6"	22°59'37"	
							31	31	11913					
375	195	AP-257	257	DP+0	0	47°22'9"RT					MANU GHAT	91°39'5.9"	22°59'38"	
							30	30	11943	Metal Road				
376	196	AP-258	258	DP+0	0	16°12'9"LT					MANU GHAT	91°39'6.6"	22°59'38.7"	
							26	26	11969					
377		AP-259	259	DP+0	0	29°38'53"LT					MANU GHAT	91°39'7"	22°59'39.5"	
							34							
378			LOC-259/1	SP+0	0									
							33	67	12036					
379	197	AP-260	260	DP+0	0	67°40'23"LT					MANU GHAT	91°39'6.8"	22°59'41.7"	
							26	26	12062					
380	198	AP-261	261	DP+0	0	20°0'6"RT					MANU GHAT	91°39'6"	22°59'41.9"	
							26	26	12088					
381	199	AP-262	262	DP+0	0	17°14'43"LT					MANU GHAT	91°39'5.3"	22°59'42.4"	
							26	26	12114					
382		AP-263	263	DP+0	0	44°6'11"RT					MANU GHAT	91°39'4.4"	22°59'43.7"	
							26	26	12140					
383	200	AP-264	264	DP+0	0	28°11'13"LT					MANU GHAT	91°39'4"	22°59'43.5"	
							35							
384			LOC-264/1	SP+0	0									
							35	78	12218					
385		AP-265	265	DP+0	0	15°15'44"RT					MANU GHAT	91°39'1.8"	22°59'45"	

SUBMITTED BY:TECHNOFAB.

Shuba Dan(AE)

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POWER GRID CORPORATION OF INDIA LIMITED

M. G. Ram
Dy. Manager
NERPSIP-SATCHARI

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINE NAME:PROPOSED 132/33KV SABROOM S/S TO PROPOSED 33/11KV MANUGHAT S/S

SL.NO	APNO AS PER ROUTE SURVEY	AP. NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE(WGS-84)		REMARKS
												EASTING	NORTHING	
							27	27	12245					
386	202	AP-266	266	DP+0	0	15°31'55"RT					MANU GHAT	91°39'1.2"	22°59'45.7"	
							26							
387			LOC-266/1	SP+0	0									
							26	52	12297					
388		AP-267	267	DP+4	4	15°15'33"LT					MANU GHAT	91°39'0.5"	22°59'47.3"	
							30	30	12327	11Kv				
389		AP-268	268	D/C FP+4	4	11°27'32"RT					MANU GHAT	91°38'59.9"	22°59'48.1"	COMMON AP OF SABROOM MANUGHAT & MANUGHAT SRINAGAR
							26	26	12353					
390		AP-269	269	D/C DP+0	0	24°56'2"RT					MANU GHAT	91°38'59.5"	22°59'48.8"	COMMON
							26							
391			LOC-269/1	D/C DP+0	0									COMMON
							26	52	12405					
392		AP-270	270	D/C DP+0	0	8°42'25"RT					MANU GHAT	91°38'59.5"	22°59'50.5"	COMMON
							42							
393			LOC-270/1	D/C DP+0	0									COMMON
							40	82	12487					
394		AP-271	271	D/C DP+0	0	33°28'56"LT					MANU GHAT	91°38'59.8"	22°59'53.1"	COMMON
							28	28	12515					
395		AP-272	272	D/C DP+0	0	1°59'57"RT					MANU GHAT	91°38'59.4"	22°59'54"	COMMON
							26	26	12541					
396		AP-273	273	D/C DP+4	4	10°0'33"RT					MANU GHAT	91°38'59"	22°59'54.7"	COMMON
							33			LT Line				
397			LOC-273/1	D/C DP+4	4									COMMON
							33	66	12607					
398		AP-274	274	D/C DP+0	0	9°35'35"LT					MANU GHAT	91°38'58.5"	22°59'56.8"	COMMON
							38	38	12645					
399		AP-275	275	D/C DP+0	0	13°52'50"LT					MANU GHAT	91°38'57.9"	22°59'58"	COMMON
							45	45	12690	Metal Road				
400		AP-276	276	D/C DP+0	0	1°53'47"LT					MANU GHAT	91°38'57"	22°59'59.2"	COMMON
							32	32	12722					
401		AP-277	277	D/C DP+0	0	5°33'54"RT					MANU GHAT	91°38'56.3"	23°0'0"	COMMON
							39							
402			LOC-277/1	D/C DP+0	0									COMMON
							39	78	12800					
403		AP-278	278	D/C FP+0	0	80°5'22"LT					MANU GHAT	91°38'55"	23°0'2.2"	COMMON
							25	25	12825	S/S Road				
404		AP-279	279	D/C FP+0	0						MANU GHAT	91°38'54.1"	23°0'1.9"	COMMON

HOLD

TECHNOFAB ENGINEERING LIMITED TRIPURA

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POWER GRID CORPORATION OF INDIA LIMITED

M.C. Raja
Dy. Manager
NEHPSEP-BATCHARD

SUBMITTED BY: TECHNOFAB

APPROVED BY:

Approved except all crossings, spans, road/NH crossings, power line crossings, railway crossings, river crossing etc. and span violating the max. permissible limit of individual span & maximum limit of angle of deviations. Separate detailed profile to be submitted for the above spans for further approval.

15/11/2017

ANNEXURE-II

Approval & hold details of Detail Survey for 33KV Rupaichari-Sabroom line under package TRI-DMS-02																	
Approved No of Normal Pole (+0M Extn) as per submitted drawing			Hold No of power line x-ing span(LT,11 KV)	Hold No of Road/NH Xing	Hold no of River crossing	Hold No of +0M Extn (Nos)			Hold No of +2M Extn (Nos)			Hold No of +4m Extn(Nos)			Hold No of Span violations	Hold No of Angle violations
SP(GA01 +GA02)	DP(GA03)	FP(GA04)				SP(GA01 +GA02)	DP(GA03)	FP(GA04)	SP(GA01+ GA02)	DP(GA03)	FP(GA04)	SP(GA01 +GA02)	DP(GA03+GA06)	FP(GA04)		
124	(124*2)=248	(3*4)=12	153	1	0	5	(11*2)=22	(4*4)=16	29	(95*2)=190	(6*4)=24	38	(18*2)+(1*2)=38	(3*4)=12	1	0
Total= 384 Nos																

R. GANESHMANI

24/11/17

M.C. Ram
Dy. Manager
KERPSIP-SATCHAND

POLE SUMMARY DETAILS							
TRIPURA STATE ASSOCIATED WITH NER POWER SYSTEM IMPROVEMENT PROJECT (DMS PACKAGE-02)							
CC-CS/86-NER/REW-2985/1/G2/NOA 1&11/7145 &7146 Dated 20/01/2017							
LINE NAME: PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S							
TOTAL LINE LENGTH: 14.578km							
S.No.	Type of Pole	Extension	Pole Qty	12 m Pole	14 m Pole	16 m Pole	Remarks
1	SP (GA-01)	0 m	61	61			
2		2 m	9		9		
3		4 m	10			10	
4	SP (GA-02)	0 m	68	68			
5		2 m	20		20		
6		4 m	28			28	
7	DP (GA-03)	0 m	135	270			
8		2 m	95		190		
9		4 m	18			36	
10	FP (GA-04)	0 m	7	28			
11		2 m	6		24		
12		4 m	3			12	
13	SP (Double Circuit)GA-05	0 m	0	0			
14		2 m	0		0		
15		4 m	0			0	
16	DP (Double Circuit)GA-06	0 m	0	0			
17		2 m	0		0		
18		4 m	1			2	
19	FP (Double Circuit)GA-07	0 m	0	0			
20		2 m	0		0		
21		4 m	0			0	
	TOTAL =			427	243	88	

Dilwar Alam
FE, RRCIL

TECHNO FAB ENGINEERING LIMITED TRIPURA

Dy. Manager

LINK NAME:PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S				
S.No.	Description	Unit	Quantity	Remarks
A	Pole Height			
1	0 m Extension	427		
2	2 m Extension	243		
3	4 m Extension	88		
B	Crossings			
1	LT Line Crossing	78		
2	11 kV Crossing	75		
8	NH Crossing	1		
C	River Crossing	NIL		
D	Nala Crossing	6		
E	Road Crossing			
1	Metalled Road	104		
2	Village Road	19		
F	Span Violation	1		
G	Angle Violation			

Dilwar Alam
FE, PGCIL

TECHNOFAB ENGINEERING LIMITED TRIPURA

Note: We have approved 12 m Pole Drawing (0 m Extension) and we have proposed 14 m Pole (2 m Extension) and 16 m Pole (4 m Extension) for crossings.

M.C. Ram
Dy. Manager
TUSIP-SATCHA

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINK NAME:PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S

C/2

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO.-WGS-84 EASTING	GPS CO.-WGS-84 NORTHING	REMARKS
1		BAY	BAY	FP+0	0						KATHAI CHHARI	91°40'33.3"	23°7'18.3"	
							28	28	28	LT LINE,11KV,METAL				
2	1	AP-1	1	FP+2	2	53°34'44"RT					KATHAI CHHARI	91°40'34.3"	23°7'18.5"	PROPOSED(FP+2)
							45							
3			LOC-1/1	SP+0	0									
							45	90	118					
4		AP-2	2	FP+2	2	65°12'4"RT					KATHAI CHHARI	91°40'36.7"	23°7'16.6"	
							39			LT LINE,11KV,METAL				
5			LOC-2/1	SP+2	2									
							40	79	197					
6	2	AP-3	3	DP+0	0	10°7'7"RT					KATHAI CHHARI	91°40'35.9"	23°7'14.1"	
							27	27	224					
7		AP-4	4	DP+0	0	14°59'33"RT					KATHAI CHHARI	91°40'35.5"	23°7'13.3"	
							45							
8			LOC-4/1	SP+0	0									
							45							
9			LOC-4/2	SP+0	0									
							45	135	359					
10	3	AP-5	5	DP+2	2	41°47'5"LT					KATHAI CHHARI	91°40'32.4"	23°7'10"	
							28	28	387	11KV,METAL ROAD				
11		AP-6	6	DP+2	3	57°10'24"LT					KATHAI CHHARI	91°40'32.5"	23°7'9"	
							34	34	421	NALA				
12		AP-7	7	DP+2	2	24°59'2"LT					KATHAI CHHARI	91°40'33.5"	23°7'8.5"	
							26	26	447	11KV				
13	4	AP-8	8	SP+4	4	2°22'52"RT					KATHAI CHHARI	91°40'34.4"	23°7'8.4"	SP WITH ANGLE
							26	26	473	LT LINE,11KV,METAL ROAD,				
14		AP-9	9	DP+2	2	21°36'54"LT					KATHAI CHHARI	91°40'35.3"	23°7'8.2"	
							26	26	499	LT LINE				
15	5	AP-10	10	DP+0	0	17°22'28"LT					KATHAI CHHARI	91°40'36.2"	23°7'8.4"	
							26	26	525	METAL ROAD				
16		AP-11	11	SP+4	4	2°49'19"LT					KATHAI CHHARI	91°40'37"	23°7'8.8"	SP WITH ANGLE
							26	26	551	LT LINE,11KV				
17	6	AP-12	12	SP+4	4	8°8'12"LT					KATHAI CHHARI	91°40'37.7"	23°7'9.3"	SP WITH ANGLE
							26	26	577					
18		AP-13	13	SP+4	4	1°2'41"LT					KATHAI CHHARI	91°40'38.4"	23°7'9.9"	SP WITH ANGLE
							26	26	603	LT LINE,11KV,METAL ROAD,				
19		AP-14	14	DP+2	2	24°27'22"LT					KATHAI CHHARI	91°40'39.1"	23°7'10.4"	
							26	26	629					
20		AP-15	15	DP+0	0	42°29'48"RT					KATHAI CHHARI	91°40'39.5"	23°7'11.2"	
							26	26	655					
21	7	AP-16	16	DP+2	2	15°45'17"RT					KATHAI CHHARI	91°40'40.3"	23°7'11.6"	

HOLD
HOLD
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HOLD

SUBMITTED BY:TECHNOFAB

Dilwar Alam
FE, PGCIL

R GANESHMANI
SR. ENGR

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINK NAME:PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S

	SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO.-WGS-84 EASTING	GPS CO.-WGS-84 NORTHING	REMARKS
								34	34	689	LT LINE,11KV,METAL ROAD				
HOLD	22	8	AP-17	17	DP+2	2	58°9'27"RT					KATHAI CHHARI	91°40'41.5"	23°7'11.7"	
								26							
	23			LOC-17/1	SP+0	0									
								23	49	738					
	24		AP-18	18	DP+0	0	44°8'52"LT					KATHAI CHHARI	91°40'42.6"	23°7'10.5"	
								30	30	768					
	25	9	AP-19	19	SP+2	2	9°0'8"RT					KATHAI CHHARI	91°40'43.6"	23°7'10.4"	SP WITH ANGLE
								26			VILL ROAD,LT LINE				
	26			LOC-19/1	SP+2	2									
								26	52	820					
	27	10	AP-20	20	DP+2	2	19°17'27"RT					KATHAI CHHARI	91°40'45.4"	23°7'10'	
HOLD								26	26	846	LT LINE,11KV,METAL ROAD				
	28		AP-21	21	DP+2	2	30°27'27"LT					KATHAI CHHARI	91°40'46.2"	23°7'9.5"	
								26	26	872	LT LINE,11KV				
	29	11	AP-22	22	DP+2	2	36°51'13"RT					KATHAI CHHARI	91°40'47.1"	23°7'9.5"	
								26	26	898	LT LINE,11KV,METAL ROAD				
	30	12	AP-23	23	SP+4	4	3°26'5"LT					KATHAI CHHARI	91°40'47.8"	23°7'8.9"	SP WITH ANGLE
								26	26	924	METAL ROAD				
	31	13	AP-24	24	DP+0	0	52°44'36"LT					KATHAI CHHARI	91°40'48.5"	23°7'8.4'	
								26	26	950					
	32	14	AP-25	25	DP+0	0	17°43'25"RT					KATHAI CHHARI	91°40'49.4"	23°7'8.7'	
								28	28	978					
	33		AP-26	26	DP+0	0	18°22'35"RT					KATHAI CHHARI	91°40'50.4"	23°7'8.6'	
								30	30	1008					
	34		AP-27	27	DP+0	0	15°55'49"RT					KATHAI CHHARI	91°40'51.4"	23°7'8.3'	
								26	26	1034					
	35	15	AP-28	28	DP+0	0	13°0'2"LT					SITAL CHOUDHARI PARA	91°40'52.1"	23°7'7.8"	
								26							
	36	16		LOC-28/1	SP+0	0									
								26	52	1086	METAL ROAD				
	37		AP-29	29	FP+4	4	69°36'20"RT					SITAL CHOUDHARI PARA	91°40'53.8"	23°7'7.1"	
								26	26	1112	11KV,METAL ROAD				
	38	17	AP-30	30	DP+2	2	20°3'40"RT					SITAL CHOUDHARI PARA	91°40'53.8"	23°7'6.3"	
								26	26	1138	11KV,METAL ROAD				
HOLD	39	18	AP-31	31	DP+2	2	48°47'30"LT					SITAL CHOUDHARI PARA	91°40'53.4"	23°7'5.5"	
								23	23	1161	11KV,METAL ROAD				
	40	19	AP-32	32	DP+2	2	41°44'15"LT					SITAL CHOUDHARI PARA	91°40'53.8"	23°7'4.8"	
								26	26	1187					
	41	20	AP-33	33	DP+2	2	11°50'48"LT					SITAL CHOUDHARI PARA	91°40'54.6"	23°7'4.5"	
								24	24	1211	11KV,METAL ROAD				

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOFAB.

Dilwar Alam
FE, PGCIL

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINK NAME PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO.-WGS-84 EASTING	GPS CO.-WGS-84 NORTHING	REMARKS
42	21	AP-34	34	DP+2	2	16°53'29"RT					SITAL CHOUDHARI PARA	91°40'55.4"	23°7'4.4"	
							26	26	1237					
43		AP-35	35	SP+2	2	5°12'3"LT					SITAL CHOUDHARI PARA	91°40'56.2"	23°7'4"	SP WITH ANGLE
							26	26	1263	2NOS LT LINE,METAL ROAD				
44	22	AP-36	36	SP+2	2	1°43'8"RT					SITAL CHOUDHARI PARA	91°40'57.1"	23°7'3.7"	SP WITH ANGLE
							29	29	1292	LT LINE				
45	23	AP-37	37	DP+2	2	35°20'29"RT					SITAL CHOUDHARI PARA	91°40'58"	23°7'3.3"	
							26	26	1318	METAL ROAD				
46	24	AP-38	38	DP+0	0	22°8'34"RT					SITAL CHOUDHARI PARA	91°40'58.5"	23°7'2.6"	
							26	26	1344					
47	25	AP-39	39	DP+0	0	21°39'4"LT					SITAL CHOUDHARI PARA	91°40'58.6"	23°7'1.7"	
							26	26	1370					
48		AP-40	40	DP+0	0	14°35'4"LT					SITAL CHOUDHARI PARA	91°40'59.1"	23°7'1"	
							39							
49			LOC-40/1	SP+0	0									
							39	78	1448					
50	26	AP-41	41	SP+0	0	5°4'40"LT					SITAL CHOUDHARI PARA	91°41'1.1"	23°6'59.3"	SP WITH ANGLE
							29							
51			LOC-41/1	SP+0	0									
							29	58	1506	METAL ROAD				
52		AP-42	42	DP+0	0	54°40'39"LT					SITAL CHOUDHARI PARA	91°41'3"	23°6'58.6"	
							26	26	1532	METAL ROAD				
53	27	AP-43	43	DP+0	0	51°32'37"RT					SITAL CHOUDHARI PARA	91°41'3.7"	23°6'59"	
							26	26	1558					
54	28	AP-44	44	DP+0	0	30°48'32"RT					SITAL CHOUDHARI PARA	91°41'4.6"	23°6'58.8"	
							26	26	1584					
55	29	AP-45	45	DP+0	0	18°57'0"RT					SITAL CHOUDHARI PARA	91°41'5.2"	23°6'58.1"	
							25							
56	30		LOC-45/1	SP+0	0									
							24	49	1633					
57		AP-46	46	DP+0	0	19°51'50"RT					SITAL CHOUDHARI PARA	91°41'5.9"	23°6'56.7"	
							26	26	1659	METAL ROAD				
58		AP-47	47	DP+0	0	56°3'43"LT					SITAL CHOUDHARI PARA	91°41'5.9"	23°6'55.8"	
							26	26	1685	METAL ROAD				
59	31	AP-48	48	SP+0	0	0°10'10"LT					SITAL CHOUDHARI PARA	91°41'6.7"	23°6'55.4"	SP WITH ANGLE
							26	26	1711					
60	32	AP-49	49	DP+0	0	30°7'13"RT					SITAL CHOUDHARI PARA	91°41'7.4"	23°6'54.9"	
							26	26	1737					
61		AP-50	50	DP+2	2	13°37'36"RT					SITAL CHOUDHARI PARA	91°41'7.9"	23°6'54.2"	
							26	26	1763	LT LINE,METAL ROAD				
62	33	AP-51	51	FP+2	2	69°21'0"LT					SITAL CHOUDHARI PARA	91°41'8.1"	23°6'53.4"	

HOLD

HOLD

SUBMITTED BY: TECHNOFAB.

Dilwar Alam
FE, PGCIL

Dy. Manager
TEC...P-SATCHAND

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

K NAME:PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO.-WGS-84 EASTING	GPS CO.-WGS-84 NORTHING	REMARKS
							30	30	1793	METAL ROAD				
63	34	AP-52	52	DP+0	0	36°15'40"RT					SITAL CHOUDHARI PARA	91°41'9.1"	23°6'53.7"	
							26	26	1819					
64	35	AP-53	53	DP+0	0	15°36'49"RT					SITAL CHOUDHARI PARA	91°41'10"	23°6'53.4"	
							39							
65			LDC-53/1	SP+0	0									
							39	78	1897					
66	36	AP-54	54	DP+0	0	16°45'1"LT					SITAL CHOUDHARI PARA	91°41'12.3"	23°6'52.1"	
							30	30	1927					
67	37	AP-55	55	DP+0	0	40°27'23"RT					SITAL CHOUDHARI PARA	91°41'13.3"	23°6'51.8"	
							27	27	1954	METAL ROAD				
68	38	AP-56	56	DP+0	0	32°40'21"LT					SITAL CHOUDHARI PARA	91°41'13.8"	23°6'51.1"	
							26	26	1980	METAL ROAD				
69	39	AP-57	57	DP+0	0	22°40'11"RT					SITAL CHOUDHARI PARA	91°41'14.7"	23°6'50.8"	
							26	26	2006					
70		AP-58	58	DP+0	0	12°26'9"RT					SITAL CHOUDHARI PARA	91°41'15.3"	23°6'50.2"	
							26	26	2032	METAL ROAD				
71		AP-59	59	DP+0	0	51°59'14"LT					SITAL CHOUDHARI PARA	91°41'15.8"	23°6'49.4"	
							26	26	2058	METAL ROAD				
72	40	AP-60	60	SP+0	0	4°19'18"RT					SITAL CHOUDHARI PARA	91°41'16.7"	23°6'49.3"	SP WITH ANGLE
							26	26	2084	METAL ROAD,LT LINE				
HOLD 73	41	AP-61	61	DP+0	0	19°31'51"LT					SITAL CHOUDHARI PARA	91°41'17.6"	23°6'49.2"	
							26	26	2110					
74	42	AP-62	62	DP+0	0	52°44'22"RT					SITAL CHOUDHARI PARA	91°41'18.6"	23°6'49.3"	
							26	26	2136	VILL ROAD				
75	43	AP-63	63	SP+0	0	5°56'50"LT					SITAL CHOUDHARI PARA	91°41'19.1"	23°6'48.7"	SP WITH ANGLE
							26	26	2162					
76	44	AP-64	64	DP+2	2	44°7'48"LT					DAHSHIN MANU BANKUL	91°41'19.9"	23°6'48.3"	
							26	26	2188	11KV,METAL ROAD				
HOLD 77		AP-65	65	SP+4	4	9°40'47"LT					DAHSHIN MANU BANKUL	91°41'20.8"	23°6'48.4"	SP WITH ANGLE
							28	28	2216	11 kV				
78	45	AP-66	66	D/C DP+4	4	40°50'16"RT					DAHSHIN MANU BANKUL	91°41'21.7"	23°6'48.7"	ONLINE WITH LT LINE+11KV
							39							
79	46		LDC-66/1	SP+0	0									
							39							
80	47		LDC-66/2	SP+0	0									
							40	118	2334	11KV				
HOLD 81	48	AP-67	67	SP+4	4	6°35'39"RT					DAHSHIN MANU BANKUL	91°41'25.6"	23°6'47.4"	SP WITH ANGLE
							38	38	2372	11KV,METAL ROAD				
82	49	AP-68	68	DP+2	2	18°10'56"LT					DAHSHIN MANU BANKUL	91°41'26.8"	23°6'46.9"	
							26	26	2398	METAL ROAD				

SUBMITTED BY:TECHNOFAB.

Dilwar Alam
FE, PGCIL

PAGE-4/23

APPROVED BY:
Dy. Manager
PGCIL-SATCHARD

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINK NAME:PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP.NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO.-WGS-84 EASTING	GPS CO.-WGS-84 NORTHING	REMARKS
83		AP-69	69	DP+0	0	25°43'23"LT					DAHSHIN MANU BANKUL	91°41'27.7"	23°6'46.8"	
							26	26	2424					
84	50	AP-70	70	DP+0	0	25°28'5"LT					DAHSHIN MANU BANKUL	91°41'28.6"	23°6'47.1"	
							26	26	2450					
85		AP-71	71	DP+0	0	49°57'18"RT					DAHSHIN MANU BANKUL	91°41'29.2"	23°6'47.7"	
							26	26	2476					
86		AP-72	72	SP+4	4	4°2'32"RT					DAHSHIN MANU BANKUL	91°41'30.2"	23°6'47.6"	SP WITH ANGLE
							26	26	2502	METAL ROAD,11KV				
87	51	AP-73	73	SP+4	4	7°30'41"LT					DAHSHIN MANU BANKUL	91°41'31.1"	23°6'47.5"	SP WITH ANGLE
							26	26	2528	11KV,METAL ROAD				
88	52	AP-74	74	DP+2	2	28°50'25"RT					DAHSHIN MANU BANKUL	91°41'32"	23°6'47.5"	
							28	28	2556	11KV,METAL ROAD				
89		AP-75	75	DP+4	4	46°59'23"LT					DAHSHIN MANU BANKUL	91°41'32.8"	23°6'47"	
							26	26	2582	LT LINE				
90	53	AP-76	76	SP+2	2	9°47'39"RT					DAHSHIN MANU BANKUL	91°41'33.7"	23°6'47.3"	SP WITH ANGLE
							26	26	2608	LT LINE ,METAL ROAD				
91	54	AP-77	77	DP+2	2	27°2'2"RT					DAHSHIN MANU BANKUL	91°41'34.6"	23°6'47.4"	
							26	26	2634					
92		AP-78	78	DP+0	0	20°20'0"RT					DAHSHIN MANU BANKUL	91°41'35.5"	23°6'47.1"	
							26	26	2660					
93	55	AP-79	79	SP+0	0	7°21'9"LT					DAHSHIN MANU BANKUL	91°41'36.2"	23°6'46.5"	SP WITH ANGLE
							26	26	2686					
94	56	AP-80	80	DP+2	2	37°0'54"RT					DAHSHIN MANU BANKUL	91°41'35.9"	23°6'46.1"	
							26	26	2712	LT LINE				
95		AP-81	81	SP+2	2	3°52'59"LT					DAHSHIN MANU BANKUL	91°41'37.2"	23°6'45.3"	SP WITH ANGLE
							26	26	2738					
96	57	AP-82	82	SP+0	0	6°24'38"RT					DAHSHIN MANU BANKUL	91°41'37.6"	23°6'44.5"	SP WITH ANGLE
							26	26	2764	METAL ROAD				
97	58	AP-83	83	DP+0	0	26°10'25"LT					DAHSHIN MANU BANKUL	91°41'37.9"	23°6'43.7"	
							36							
98			LOC-83/1	SP+0	0									
							36	72	2836	METAL ROAD				
99	59	AP-84	84	DP+0	0	48°33'37"RT					DAHSHIN MANU BANKUL	91°41'39.7"	23°6'42.1"	
							26	26	2862					
100	60	AP-85	85	DP+0	0	33°3'1"RT					DAHSHIN MANU BANKUL	91°41'39.7"	23°6'41.2"	
							28							
101	61		LOC-85/1	SP+0	0									
							28	56	2918	METAL ROAD				
102	62	AP-86	86	DP+0	0	59°41'58"LT					DAHSHIN MANU BANKUL	91°41'38.5"	23°6'39.8"	
							26	26	2944					
103		AP-87	87	DP+0	0	32°34'4"RT					DAHSHIN MANU BANKUL	91°41'38.9"	23°6'39"	

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TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOFAB.

Dilwar Alam
FE, PGCIL

PAGE-5/23

APPROVED BY:

Dy. Manager
TERPSO-SATCHARD

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINK NAME:PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO.-WGS-84		REMARKS
												EASTING	NORTHING	
							26	26	2970					
104	63	AP-88	88	DP+0	0	30°57'46"LT					DAKSHIN MANU BANKUL	91°41'38.7"	23°6'38.1"	
							39							
105			LOC-88/1	SP+0	0									
							39	78	3048					
106	64	AP-89	89	DP+0	0	30°52'00"LT					DAKSHIN MANU BANKUL	91°41'39.7"	23°6'35.8"	
							26	26	3074	METAL ROAD				
107	65	AP-90	90	DP+0	0	10°50'50"RT					DAKSHIN MANU BANKUL	91°41'40.6"	23°6'35.3"	
							26	26	3100					
108		AP-91	91	DP+0	0	35°56'3"RT					DAKSHIN MANU BANKUL	91°41'41.1"	23°6'34.7"	
							26	26	3126	METAL ROAD				
109	66	AP-92	92	SP+0	0	3°2'4"LT					DAKSHIN MANU BANKUL	91°41'41.2"	23°6'33.8"	SP WITH ANGLE
							26	26	3152					
110		AP-93	93	DP+0	0	17°30'1"LT					DAKSHIN MANU BANKUL	91°41'41.3"	23°6'33"	
							26	26	3178					
111		AP-94	94	DP+0	0	39°51'36"LT					DAKSHIN MANU BANKUL	91°41'41.7"	23°6'32.2"	
							26	26	3204					
112	67	AP-95	95	DP+0	0	25°28'54"RT					DAKSHIN MANU BANKUL	91°41'42.5"	23°6'31.9"	
							26	26	3230					
113	68	AP-96	96	SP+0	0	3°8'52"RT					DAKSHIN MANU BANKUL	91°41'43.1"	23°6'31.2"	SP WITH ANGLE
							26	26	3256					
114	69	AP-97	97	DP+0	0	42°57'35"RT					DAKSHIN MANU BANKUL	91°41'43.7"	23°6'30.6"	
							26	26	3282	METAL ROAD				
115		AP-98	98	DP+0	0	17°22'55"RT					DAKSHIN MANU BANKUL	91°41'43.6"	23°6'29.7"	
							26	26	3308					
116	70	AP-99	99	DP+0	0	51°36'40"LT					DAKSHIN MANU BANKUL	91°41'43.2"	23°6'28.9"	
							26	26	3334					
117		AP-100	100	DP+0	0	16°59'07"RT					DAKSHIN MANU BANKUL	91°41'43.7"	23°6'28.2"	
							45							
118	71		LOC-100/1	SP+0	0									
							45	90	3424	METAL ROAD				
119	72	AP-101	101	DP+0	0	34°46'17"LT					DAKSHIN MANU BANKUL	91°41'44.3"	23°6'25.3"	
							39	39	3463					
120	73	AP-102	102	DP+0	0	12°35'20"LT					DAKSHIN MANU BANKUL	91°41'45.3"	23°6'24.5"	
							38							
121	74		LOC-102/1	SP+0	0									
							40	78	3541					
122		AP-103	103	DP+0	0	23°39'17"LT					DAKSHIN MANU BANKUL	91°41'47.6"	23°6'23.2"	
							28							
123			LOC-103/1	SP+0	0									
							30	58	3599	METAL ROAD				

SUBMITTED BY: TECHNOFAB.

Dilwar Alam
FE, PGCIL

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINK NAME:PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO.-WGS-84		REMARKS
												EASTING	NORTHING	
124	75	AP-104	104	DP+0	0	37°56'40"RT					DAHSHIN MANU BANKUL	91°41'49.6"	23°6'22.9"	
							26	26	3625					
125	76	AP-105	105	FP+0	0	69°50'37"RT					DAHSHIN MANU BANKUL	91°41'50.3"	23°6'22.3"	
							26	26	3651	METAL ROAD				
126	77	AP-106	106	DP+0	0	14°50'20"LT					DAHSHIN MANU BANKUL	91°41'49.9"	23°6'21.6"	
							26	26	3677					
127	78	AP-107	107	SP+0	0	5°36'22"LT					DAHSHIN MANU BANKUL	91°41'49.7"	23°6'20.7"	SP WITH ANGLE
							45							
128	79		LOC-107/1	SP+0	0									
							45							
129	80		LOC-107/2	SP+0	0									
							45	135	3812					
130		AP-108	108	DP+0	0	10°54'23"RT					DAHSHIN MANU BANKUL	91°41'49.3"	23°6'16.3"	
							45	45	3857					
131	81	AP-109	109	SP+0	0	9° 22'27"LT					DAHSHIN MANU BANKUL	91°41'48.9"	23°6'14.9"	SP WITH ANGLE
							26	26	3883					
132	82	AP-110	110	DP+0	0	14°50'58"RT					DAHSHIN MANU BANKUL	91°41'48.7"	23°6'14.1"	
							26	26	3909					
133	83	AP-111	111	DP+0	0	10°21'45"LT					DAHSHIN MANU BANKUL	91°41'48.2"	23°6'13.4"	
							26	26	3935					
134		AP-112	112	DP+0	0	24°31'4"RT					DAHSHIN MANU BANKUL	91°41'47.9"	23°6'12.6"	
							26	26	3961					
135	84	AP-113	113	DP+0	0	15°34'19"RT					DAHSHIN MANU BANKUL	91°41'47.2"	23°6'12"	
							26	26	3987					
136	85	AP-114	114	DP+0	0	53°31'34"LT					DAHSHIN MANU BANKUL	91°41'46.4"	23°6'11.6"	
							26	26	4013	METAL ROAD				
137		AP-115	115	DP+0	0	14°38'15"RT					DAHSHIN MANU BANKUL	91°41'46.3"	23°6'10.8"	
							37							
138	86		LOC-115/1	SP+0	0									
							39							
139			LOC-115/2	SP+0	0									
							39							
140	87		LOC-115/3	SP+0	0									
							39	154	4167	METAL ROAD				
141		AP-116	116	DP+0	0	9°50'53"LT					DAHSHIN MANU BANKUL	91°41'44.3"	23°6'6.1"	DP USED SECTION POLE
							45							
142	88		LOC-116/1	SP+0	0									
							43							
143			LOC-116/2	SP+0	0									
							42	130	4297					
144		AP-117	117	DP+0	0	14°12'53"LT					DAHSHIN MANU BANKUL	91°41'43.3"	23°6'2"	

SUBMITTED BY:TECHNOFAB.

Dilwar Alam
AE, PGCIL

M.C. Ram
Dy. Manager
TSRPSP-SATCHAND

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINK NAME:PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO.-WGS-84 EASTING	GPS CO.-WGS-84 NORTHING	REMARKS
							28	28	4325	METAL ROAD				
145		AP-118	118	DP+0	0	11°7'46"RT					DAHSHIN MANU BANKUL	91°41'43.4"	23°6'1.1"	
							30	30	4355					
146	89	AP-119	119	DP+0	0	25°26'52"LT					DAHSHIN MANU BANKUL	91°41'43.2"	23°6'0.1"	
							26	26	4381					
147		AP-120	120	SP+0	0	5°3'19"LT					DAHSHIN MANU BANKUL	91°41'43.4"	23°5'59.3"	SP WITH ANGLE
							26	26	4407					
148		AP-121	121	DP+0	0	11°31'18"LT					DAHSHIN MANU BANKUL	91°41'43.8"	23°5'58.6"	
							26	26	4433					
149		AP-122	122	DP+0	0	16°06'17"RT					DAHSHIN MANU BANKUL	91°41'44.3"	23°5'57.8"	
							27	27	4460	METAL ROAD				AP123 OMITED
151		AP-124	124	DP+0	0	51°20'17"RT					DAHSHIN MANU BANKUL	91°41'44.6"	23°5'56.5"	
							26	26	4486	METAL ROAD				
152	91	AP-125	125	SP+0	0	0°56'29"RT					DAHSHIN MANU BANKUL	91°41'44"	23°5'55.8"	SP WITH ANGLE
							26	26	4512					
153		AP-126	126	DP+0	0	15°17'45"RT					DAHSHIN MANU BANKUL	91°41'43.4"	23°5'55.1"	
							26	26	4538					
154		AP-127	127	SP+0	0	4°37'9"LT					FROM TILA	91°41'42.7"	23°5'54.7"	SP WITH ANGLE
							26	26	4564					
155	92	AP-128	128	DP+0	0	22°2'50"LT					FROM TILA	91°41'42"	23°5'54.1"	
							26	26	4590	VILL ROAD				
156		AP-129	129	DP+0	0	33°52'10"LT					FROM TILA	91°41'41.5"	23°5'53.4"	
							35							
157			LOC-129/1	SP+0	0									
							35							
158			LOC-129/2	SP+0	0									
							35	105	4695					
159		AP-130	130	DP+0	0	23°30'20"LT					FROM TILA	91°41'41.8"	23°5'50"	
							26	26	4721	METAL ROAD				
160		AP-131	131	DP+0	0	22°51'51"RT					FROM TILA	91°41'42.3"	23°5'49.3"	
							26							
161			LOC-131/1	SP+0	0									
							26	52	4773					
162		AP-132	132	DP+2	2	26°4'45"RT					FROM TILA	91°41'42.5"	23°5'47.6"	
							26	26	4799	2NOS LT LINE, METAL ROAD				
163	93	AP-133	133	DP+2	2	48°12'3"LT					FROM TILA	91°41'42.2"	23°5'46.8"	
							26	26	4825					
164		AP-134	134	DP+0	0	18°31'50"RT					FROM TILA	91°41'42.6"	23°5'46.1"	
							26	26	4851					
165	94	AP-135	135	DP+0	0	37°0'37"RT					FROM TILA	91°41'42.7"	23°5'45.2"	
							26	26	4877					

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TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOFAB.

Dilwar Alam
FE, PGCIL

M.C. Ram
Dy. Manager
NERPSIP-SATCHAND

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

PROJECT NAME:PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO.-WGS-84 EASTING	GPS CO.-WGS-84 NORTHING	REMARKS
166	95	AP-136	136	SP+0	0	5°56'49"LT					FROM TILA	91°41'42.3"	23°5'44.5"	SP WITH ANGLE
							26	26	4903					
167		AP-137	137	SP+0	0	0°26'13"LT					FROM TILA	91°41'42"	23°5'43.7"	SP WITH ANGLE
							26	26	4929					
168	96	AP-138	138	DP+0	0	11°40'37"RT					FROM TILA	91°41'41.6"	23°5'42.9"	
							26	26	4955					
169		AP-139	139	SP+0	0	5°37'10"RT					FROM TILA	91°41'41.1"	23°5'42.2"	SP WITH ANGLE
							29	29	4984					
170		AP-140	140	DP+0	0	10°32'30"LT					FROM TILA	91°41'40.5"	23°5'41.5"	
							26	26	5010	LT LINE				
171		AP-141	141	DP+0	0	11°44'24"RT					FROM TILA	91°41'40.1"	23°5'40.7"	
							29	29	5039					
172		AP-142	142	DP+2	2	46°3'28"LT					FROM TILA	91°41'39.4"	23°5'40"	
							26	26	5065	LT LINE, METAL ROAD				
173	97	AP-143	143	SP+2	2	7°59'54"LT					FROM TILA	91°41'39.5"	23°5'39.1"	SP WITH ANGLE
							39							
174			LOC-143/1	SP+0	0									
							39	78	5143	ROAD				
175	98	AP-144	144	DP+0	0	34°16'50"LT					FROM TILA	91°41'40.2"	23°5'36.7"	
							45							
176	99	AP144/A	144/A	SP+0	0	4°09'55"RT						91°41'41.4"	23°5'35.7"	SP WITH ANGLE
							53	78	5221					
177	100	AP-145	145	DP+2	2	18°38'9"RT					FROM TILA	91°41'42.2"	23°5'35"	
							26	26	5247	LT LINE ,METAL ROAD				
178		AP-146	146	DP+2	2	33°12'11"LT					FROM TILA	91°41'42.6"	23°5'34.2"	
							27	27	5274	LT LINE ,METAL ROAD				
179	101	AP-147	147	FP+2	2	69°28'48"RT					FROM TILA	91°41'43.4"	23°5'33.7"	
							26	26	5300					
180	102	AP-148	148	DP+0	0	28°41'12"RT					FROM TILA	91°41'43.2"	23°5'32.9"	
							26	26	5326	METAL ROAD				
181		AP-149	149	DP+0	0	10°52'59"LT					FROM TILA	91°41'42.7"	23°5'32.2"	
							42	42	5368					
182	103	AP-150	150	DP+4	4	16°05'51"LT					FROM TILA	91°41'42"	23°5'31"	
							32	32	5400	11KV,LT LINE ,METAL ROAD				
183	104	AP-151	151	DP+4	4	20°17'6"LT					FROM TILA	91°41'41.8"	23°5'30"	
							24	24	5424	VILL ROAD,11 KV				
184	105	AP-152	152	DP+4	4	58°27'54"LT					FROM TILA	91°41'42"	23°5'29.2"	
							38			LT LINE				
185			LOC-152/1	SP+4	4									
							40	78	5502	11KV				
186	106	AP-153	153	SP+0	0	2°11'0"LT					FROM TILA	91°41'44.7"	23°5'28.5"	SP WITH ANGLE

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SUBMITTED BY:TECHNOFAB

Dilwar Alam
FE, PGCIL

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

WORK NAME:PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO.-WGS-84 EASTING	GPS CO.-WGS-84 NORTHING	REMARKS
							36	36	5538	NALA				
187	107	AP-154	154	DP+0	0	13°19'25"RT					FROM TILA	91°41'45.9"	23°5'28.3"	
							39							
188			LOC-154/1	SP+0	0									
							39	78	5616					
189	108	AP-155	155	DP+0	0	30°10'29"LT					FROM TILA	91°41'48.4"	23°5'27.1"	
							42	42	5658					
190	109	AP-156	156	DP+2	2	20°4'22"LT					FROM TILA	91°41'49.8"	23°5'27.1"	
							36	36	5694	11KV,METAL ROAD				
191	110	AP-157	157	DP+2	2	49°1'20"RT					FROM TILA	91°41'51.1"	23°5'27.4"	
							39							
192			LOC-157/1	SP+0	0									
							39	78	5772					
193	111	AP-158	158	DP+2	2	40°39'21"RT					HARJON PARA	91°41'53.4"	23°5'26.1"	
							35			11KV				
194			LOC-158/1	SP+4	4									
							35			11KV				
195			LOC-158/2	SP+2	2									
							34	104	5876	METAL ROAD,11KV				
196	112	AP-159	159	DP+2	2	25°8'32"LT					HARJON PARA	91°41'54.3"	23°5'23.2"	
							45	45	5921					
197		AP-160	160	SP+4	4	6°41'29"RT					HARJON PARA	91°41'55.6"	23°5'21.8"	SP WITH ANGLE
							33	33	5954	3NOS 11KV,METAL ROAD				
198	113	AP-161	161	DP+2	2	19°41'57"RT					HARJON PARA	91°41'56.4"	23°5'21.1"	
							45	45	5999	METAL ROAD				
199	114	AP-162	162	SP+0	0	0°31'23"RT					HARJON PARA	91°41'57.2"	23°5'19.8"	SP WITH ANGLE
							31	31	6030	LT LINE				
200		AP-163	163	SP+2	2	1°25'57"LT					HARJON PARA	91°41'57.7"	23°5'18.9"	SP WITH ANGLE
							39							
201			LOC-163/1	SP+2	2									
							39	78	6108					
202	115	AP-164	164	SP+0	0	1°25'57"LT					HARJON PARA	91°41'59.1"	23°5'16.7"	SP WITH ANGLE
							26	26	6134	METAL ROAD				
203		AP-165	165	DP+2	2	7°7'30"LT					HARJON PARA	91°41'59.6"	23°5'16"	
							43			LT LINE				
204			LOC-165/1	SP+2	2									
							43							
205	116		LOC-165/2	SP+2	2									
							44	130	6264	LT LINE				
206	117	AP-166	166	DP+2	2	11°13'12"RT					HARJON PARA	91°42'1.8"	23°5'12.3"	
							44	44	6308					

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TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY:TECHNOFAB.

Dilwar Alam
FE, PGCIL

M.C. Ram
Dy. Manager
NEES SIP-SATCHAND

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

BLOCK NAME:PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO.-WGS-84 EASTING	GPS CO.-WGS-84 NORTHING	REMARKS
207	118	AP-167	167	DP+2	2	31°38'15"RT					HARJON PARA	91°42'2.2"	23°5'10.9"	
							32	32	6340	11KV,METAL ROAD				
208	119	AP-168	168	DP+2	2	27°16'30"LT					HARJON PARA	91°42'1.9"	23°5'9.9"	
							45	45	6385					
209		AP-169	169	DP+2	2	16°46'45"RT					HARJON PARA	91°42'2.3"	23°5'8.5"	
							33	33	6418	LT LINE				
210	120	AP-170	170	SP+2	2	3°53'28"RT					HARJON PARA	91°42'2.2"	23°5'7.4"	SP WITH ANGLE
							42	42	6460	LT LINE,METAL ROAD				
211		AP-171	171	SP+2	2	2°53'07"LT					HARJON PARA	91°42'2.3"	23°5'6.1"	
							36	36	6496					
212	121	AP-172	172	DP+0	0	18°31'45"RT					HARJON PARA	91°42'2.1"	23°5'4.9"	
							42	42	6538					
213	122	AP-173	173	DP+0	0	32°16'51"RT					HARJON PARA	91°42'2.2"	23°5'3.8"	
							45							
214			LOC-173/1	DP+4	4									
							45	90	6628	11KV,VILL ROAD				
215	123	AP-174	174	DP+4	4	24°40'25"RT					RUPAI CHARI	91°42'1.2"	23°5'0.8"	
							26	26	6654	LT LINE,11KV				
216		AP-175	175	DP+2	2	30°3'12"LT					RUPAI CHARI	91°42'0.5"	23°5'0.2"	
							26	26	6680					
217	125	AP-176	176	DP+2	2	30°53'32"RT					RUPAI CHARI	91°42'0.3"	23°4'59.3"	
							25	25	6705	2NOS LT LINE				
218	126	AP-177	177	FP+2	3	71°51'32"LT					RUPAI CHARI	91°41'59.7"	23°4'58.8"	
							26	26	6731	LT LINE,METAL ROAD				
219		AP-178	178	DP+2	2	31°52'34"RT					RUPAI CHARI	91°42'0.1"	23°4'58"	
							26	26	6757					
220		AP-179	179	DP+0	0	10°20'43"LT					RUPAI CHARI	91°42'0.1"	23°4'57.2"	
							40							
221			LOC-179/1	SP+2	2									
							42	82	6839	LT LINE,METAL ROAD				
222	127	AP-180	180	DP+2	2	11°51'57"LT					RUPAI CHARI	91°42'0.3"	23°4'54.5"	
							42	42	6881	~~11KV~~				
223	128	AP-181	181	DP+2	2	21°15'43"RT					RUPAI CHARI	91°42'0.8"	23°4'53.2"	
							37	37	6918					
224	129	AP-182	182	SP+2	2	5°21'10"RT					RUPAI CHARI	91°42'0.7"	23°4'52"	SP WITH ANGLE
							26	26	6944	LT LINE				
225	130	AP-183	183	DP+2	2	13°57'4"RT					RUPAI CHARI	91°42'0.8"	23°4'51.2"	
							36							
226			LOC-183/1	SP+4	4									
							40			11KV				
227			LOC-183/2	SP+4	4									

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PAGE-11/23

M.C. Ram
Dy. Manager
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APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

WORK NAME:PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO.-WGS-84 EASTING	GPS CO.-WGS-84 NORTHING	REMARKS
							40							
228			LOC-183/3	SP+4	4									
							40	156	7100	LT LINE,11KV,LT LINE				
229	131	AP-184	184	DP+2	2	29°53'35"LT					RUPAI CHARI	91°41'58.4"	23°4'46.6"	
							26	26	7126					
230	132	AP-185	185	DP+2	2	30°13'54"LT					RUPAI CHARI	91°41'58.5"	23°4'45.7"	
							30	30	7156	11KV,METAL ROAD				
231		AP-186	186	DP+2	2	33°34'39"RT					RUPAI CHARI	91°41'59.2"	23°4'44.9"	
							42							
232	133		AP186/A	SP+2	2	08°212'29"LT								
							36	78	7234	LT LINE				
233	134	AP-187	187	DP+2	2	18°55'27"RT					RUPAI CHARI	91°41'59.2"	23°4'42.4"	
							26	26	7260					
234	135	AP-188	188	SP+4	4	7°25'15"LT					RUPAI CHARI	91°41'58.8"	23°4'41.6"	SP WITH ANGLE
							29	29	7289	LT LINE,11KV,METAL ROAD				
235		AP-189	189	DP+2	2	23°37'29"LT					RUPAI CHARI	91°41'58.6"	23°4'41.00"	
							26	26	7315	LT LINE,11KV,METAL ROAD				
236	136	AP-190	190	SP+4	4	3°18'58"LT					RUPAI CHARI	91°41'58.7"	23°4'39.8"	SP WITH ANGLE
							26	26	7341					
237	137	AP-191	191	DP+0	0	55°57'10"RT					RUPAI CHARI	91°41'58.9"	23°4'39"	
							26	26	7367					
238	138	AP-192	192	DP+2	2	25°34'59"LT					RUPAI CHARI	91°41'58.2"	23°4'38.4"	
							26	26	7393	LT LINE,11KV,METAL ROAD				
239	139	AP-193	193	DP+2	2	10°25'55"RT					RUPAI CHARI	91°41'57.8"	23°4'37.6"	
							26							
240			LOC-193/1	SP+2	2									
							29	55	7448					
241	140	AP-194	194	DP+0	0	27°7'33"LT					RUPAI CHARI	91°41'56.9"	23°4'36.1"	
							23	23	7471	VILL ROAD				
242		AP-195	195	DP+2	2	40°0'23"RT					RUPAI CHARI	91°41'56.9"	23°4'35.3"	
							26	26	7497	LT LINE				
243		AP-196	196	DP+2	2	20°29'13"LT					RUPAI CHARI	91°41'56.3"	23°4'34.7"	
							25	25	7522					
244	141	AP-197	197	DP+0	0	23°10'47"RT					RUPAI CHARI	91°41'55.9"	23°4'34"	
							29	29	7551					
245		AP-198	198	DP+0	0	17°52'26"RT					RUPAI CHARI	91°41'55.2"	23°4'33.3"	
							26	26	7577					
246		AP-199	199	DP+0	0	35°26'6"LT					RUPAI CHARI	91°41'54.4"	23°4'32.9"	
							25	25	7602					
247	142	AP-200	200	SP+0	0	2°25'52"RT					RUPAI CHARI	91°41'54"	23°4'32.2"	SP WITH ANGLE
							25	25	7627					

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SUBMITTED BY:TECHNOFAB.

Dilwar Alam
FE, PGCIL

Dy. Manager
NEIG-SCP-SATCHAND

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINK NAME-PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S

SL.NO	AP-NO. AS PER ROUTE SURVEY	AP-NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO.-WGS-84 EASTING	GPS CO.-WGS-84 NORTHING	REMARKS
248		AP-201	201	DP+2	2	16°28'7"RT					SONAI	91°41'53.5"	23°4'31.5"	
							29	29	7656	LT LINE				
249	143	AP-202	202	DP+2	2	24°22'33"LT					SONAI	91°41'52.8"	23°4'30.9"	
							24	24	7680					
250		AP-203	203	SP+2	2	7°48'31"LT					SONAI	91°41'52.4"	23°4'30.1"	SP WITH ANGLE
							26	26	7706	LT LINE ,METAL ROAD				
251	144	AP-204	204	DP+2	2	30°5'16"RT					SONAI	91°41'52.2"	23°4'29.3"	
							26	26	7732					
252		AP-205	205	DP+0	0	21°34'8"LT					SONAI	91°41'51.6"	23°4'28.7"	
							24	24	7756					
253		AP-206	206	DP+0	0	38°3'37"RT					SONAI	91°41'51.2"	23°4'28"	
							25	25	7781					
254	145	AP-207	207	DP+0	0	36°40'19"LT					SONAI	91°41'50.5"	23°4'27.6"	
							23	23	7804					
255		AP-208	208	DP+4	4	17°55'30"RT					SONAI	91°41'50.1"	23°4'27"	
							35	35	7839	2 Nos 11 KV ~~3NOS 11KV~~				
256	146	AP-209	209	DP+4	4	50°15'23"LT					SONAI	91°41'49.4"	23°4'26.5"	
							35	35	7874	NALA				
257	147	AP-210	210	SP+0	0	2°35'58"RT					SONAI	91°41'49.5"	23°4'25"	SP WITH ANGLE
							35	35	7909					
258		AP-211	211	DP+0	0	12°31'48"LT					SONAI	91°41'49.8"	23°4'23.9"	
							26	26	7935					
259		AP-212	212	DP+0	0	10°46'47"RT					SONAI	91°41'49.9"	23°4'23.1"	
							33	33	7968					
260	148	AP-213	213	SP+0	0	5°29'35"RT					SONAI	91°41'50"	23°4'22"	SP WITH ANGLE
							45	45	8013					
261		AP-214	214	DP+0	0	34°46'18"LT					SONAI	91°41'50"	23°4'20.6"	
							30	30	8043	11 KV ~~11KV~~				
262	149	AP-215	215	SP+4	4	5°47'40"RT					SONAI	91°41'50.6"	23°4'19.8"	SP WITH ANGLE
							26	26	8069	11KV,METAL ROAD				
263		AP-216	216	DP+2	2	12°8'40"RT					SONAI	91°41'51"	23°4'19"	
							45			VILL ROAD				
264			LOC-216/1	SP+0	0									
							45							
265			LOC-216/2	SP+0	0									
							42	132	8201	METAL ROAD				
266	150	AP-217	217	SP+0	0	3°52'17"RT					RUPAI CHARI	91°41'52.3"	23°4'14.9"	SP WITH ANGLE
							26							
267			LOC-217/1	SP+0	0									
							23	49	8250					
268	151	AP-218	218	DP+0	0	13°54'46"RT					RUPAI CHARI	91°41'52.7"	23°4'13.4"	

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PAGE-13/23

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CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINK NAME:PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO.-WGS-84 EASTING	GPS CO.-WGS-84 NORTHING	REMARKS
							26	26	8276					
269		AP-219	219	DP+4	4	14°13'6"RT					RUPAI CHARI	91°41'52.7"	23°4'12.5"	
							27	27	8303	11KV				
HOLD 270	152	AP-220	220	DP+4	4	23°25'50"RT					RUPAI CHARI	91°41'52.5"	23°4'11.7"	
							27			METAL ROAD				
271	153		LOC-220/1	SP+0	0									
							26	53	8356					
272	154	AP-221	221	SP+0	0	8°25'19"LT					RUPAI CHARI	91°41'51.3"	23°4'10.3"	SP WITH ANGLE
							26	26	8382					
273		AP-222	222	SP+0	0	1°38'54"LT					RUPAI CHARI	91°41'50.9"	23°4'9.6"	SP WITH ANGLE
							26	26	8408	METAL ROAD				
274	155	AP-223	223	DP+0	0	18°2'26"RT					RUPAI CHARI	91°41'50.5"	23°4'8.8"	
							42	42	8450					
275	156	AP-224	224	SP+0	0	4°30'40"LT					RUPAI CHARI	91°41'49.4"	23°4'7.9"	SP WITH ANGLE
							36	36	8486					
276	157	AP-225	225	DP+0	0	23°19'51"RT					RUPAI CHARI	91°41'48.4"	23°4'7.1"	
							26	26	8512					
277	158	AP-226	226	DP+0	0	10°40'36"RT					RUPAI CHARI	91°41'47.6"	23°4'6.9"	
							28	28	8540	METAL ROAD				
278	159	AP-227	227	FP+0	0	63°21'0"LT					RUPAI CHARI	91°41'46.6"	23°4'6.8"	
							27	27	8567	VILL ROAD				
279		AP-228	228	DP+0	0	12°25'36"RT					RUPAI CHARI	91°41'46.3"	23°4'6"	
							42	42	8609					
280		AP-229	229	DP+0	0	14°4'49"LT					RUPAI CHARI	91°41'45.4"	23°4'4.8"	
							36	36	8645					
281	160	AP-230	230	SP+0	0	7°52'28"LT					RUPAI CHARI	91°41'45"	23°4'3.7"	SP WITH ANGLE
							42	42	8687					
282	161	AP-231	231	SP+0	0	4°16'35"RT					RUPAI CHARI	91°41'44.7"	23°4'2.4"	SP WITH ANGLE
							36	36	8723					
283		AP-232	232	SP+0	0	5°59'30"RT					RUPAI CHARI	91°41'44.4"	23°4'1.3"	
							45							
284			LOC-232/1	SP+4	4									
							42	87	8810	LT LINE				
285	162	AP-233	233	DP+2	2	14°45'15"LT					RUPAI CHARI	91°41'43.1"	23°3'58.7"	
							45	45	8855	LT LINE,11KV,METAL ROAD				
HOLD 286	163	AP-234	234	DP+2	2	12°30'19"RT					RUPAI CHARI	91°41'42.9"	23°3'57.3"	
							42	42	8897					
287	164	AP-235	235	SP+4	4	5°6'29"RT					RUPAI CHARI	91°41'42.3"	23°3'56"	SP WITH ANGLE
							36	36	8933	LT LINE,11KV,METAL ROAD				
288	165	AP-236	236	DP+2	2	32°18'59"LT					RUPAI CHARI	91°41'41.7"	23°3'55"	
							42	42	8975					

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY TECHNOFAB

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OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINK NAME:PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S

	SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO.-WGS-84 EASTING	GPS CO.-WGS-84 NORTHING	REMARKS
	289	166	AP-237	237	SP+4	4	7°5'58"LT					RUPAI CHARI	91°41'41.8"	23°3'53.6"	SP WITH ANGLE
HOLD								36	36	9011	11KV,METAL ROAD				
	290	167	AP-238	238	SP+4	4	1°18'45"RT					RUPAI CHARI	91°41'42.1"	23°3'52.5"	SP WITH ANGLE
								26	26	9037					
	291		AP-239	239	SP+0	0	3°11'20"LT					RUPAI CHARI	91°41'42.3"	23°3'51.6"	SP WITH ANGLE
								42							
	292			LOC-239/1	SP+2	2									
								41	83	9120	LT LINE				
HOLD	293	168	AP-240	240	DP+2	2	16°41'29"RT					RUPAI CHARI	91°41'43.2"	23°3'49"	
								26	26	9146	LT LINE,11KV,METAL ROAD				
	294		AP-241	241	DP+2	2	20°31'38"LT					RUPAI CHARI	91°41'43.2"	23°3'48.2"	
								40							
	295	169		LOC-241/1	SP+0	0									
								38	78	9224					
	296		AP-242	242	DP+0	0	39°48'9"RT					RUPAI CHARI	91°41'44.1"	23°3'45.8"	
								39							
	297			LOC-242/1	SP+0	0									
								39	78	9302					
	298		AP-243	243	SP+0	0	8°38'55"LT					RUPAI CHARI	91°41'43.2"	23°3'43.4"	SP WITH ANGLE
								23	23	9325	VILL ROAD				
	299	170	AP-244	244	DP+0	0	27°29'6"LT					RUPAI CHARI	91°41'43.1"	23°3'42.7"	
								42	42	9367					
	300		AP-245	245	SP+0	0	7°39'57"RT					RUPAI CHARI	91°41'43.6"	23°3'41.4"	SP WITH ANGLE
								36	36	9403					
	301		AP-246	246	DP+2	2	19°6'52"RT					RUPAI CHARI	91°41'43.8"	23°3'40.2"	
HOLD								26	26	9429	LT LINE,11KV				
	302		AP-247	247	DP+2	2	34°33'35"LT					RUPAI CHARI	91°41'43.6"	23°3'39.4"	
								26	26	9455					
	303		AP-248	248	DP+0	0	22°21'56"RT					RUPAI CHARI	91°41'44"	23°3'38.6"	
								26	26	9481					
	304	171	AP-249	249	SP+0	0	9°55'32"RT					RUPAI CHARI	91°41'44"	23°3'37.8"	SP WITH ANGLE
								26	26	9507	METAL ROAD				
	305		AP-250	250	SP+4	4	0°23'48"RT					RUPAI CHARI	91°41'43.8"	23°3'37"	SP WITH ANGLE
HOLD								26	26	9533	11KV				
	306		AP-251	251	SP+4	4	4°1'4"LT					RUPAI CHARI	91°41'43.6"	23°3'36.1"	SP WITH ANGLE
								27							
	307			LOC-251/1	SP+0	0									
								26	53	9586	VILL ROAD				
	308	172	AP-252	252	DP+0	0	56°6'16"LT					RUPAI CHARI	91°41'43.4"	23°3'34.4"	
								27	27	9613					
HOLD	309		AP-253	253	DP+2	2	16°59'17"RT					RUPAI CHARI	91°41'44.1"	23°3'33.8"	

TECHNOFAB ENGINEERING LTD. TRIPURA

SUBMITTED BY:TECHNOFAB.

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Dy. Manager
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APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINK NAME:PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO.-WGS-84 EASTING	GPS CO.-WGS-84 NORTHING	REMARKS
							26	26	9639	11KV,METAL ROAD				
310		AP-254	254	DP+4	4	20°47'45"RT					RUPAI CHARI	91°41'44.5"	23°3'33.1"	
							26	26	9665					
311		AP-255	255	SP+0	0	4°14'10"RT					RUPAI CHARI	91°41'44.4"	23°3'32.3"	SP WITH ANGLE
							27	27	9692					
312	173	AP-256	256	DP+0	0	10°2'20"RT					RUPAI CHARI	91°41'44.2"	23°3'31.4"	
							28	28	9720					
313		AP-257	257	DP+2	2	16°8'35"LT					RUPAI CHARI	91°41'43.8"	23°3'30.6"	
							30	30	9750	11KV,METAL ROAD,NALA				
314	174	AP-258	258	DP+2	2	21°15'11"LT					RUPAI CHARI	91°41'43.7"	23°3'29.6"	
							42	42	9792					
315	175	AP-259	259	SP+4	4	3°49'3"LT					RUPAI CHARI	91°41'44"	23°3'28.3"	SP WITH ANGLE
							36	36	9828	11KV,METAL ROAD				
316	176	AP-260	260	DP+2	2	14°48'20"RT					RUPAI CHARI	91°41'44.4"	23°3'27.2"	
							26	26	9854					
317		AP-261	261	SP+0	0	8°35'39"RT					RUPAI CHARI	91°41'44.5"	23°3'26.3"	SP WITH ANGLE
							26	26	9880					
318	177	AP-262	262	DP+2	2	10°27'12"RT					RUPAI CHARI	91°41'44.4"	23°3'25.5"	
							26	26	9906	11KV,METAL ROAD				
319		AP-263	263	DP+2	2	10°44'53"LT					RUPAI CHARI	91°41'44.2"	23°3'24.7"	
							26	26	9932					
320		AP-264	264	SP+4	4	4°24'36"RT					RUPAI CHARI	91°41'44.2"	23°3'23.8"	SP WITH ANGLE
							26	26	9958	11KV,METAL ROAD				
321	178	AP-265	265	SP+4	4	9°15'19"RT					RUPAI CHARI	91°41'44.2"	23°3'23"	SP WITH ANGLE
							39			11KV,LT LINE,VILL ROAD				
322			LOC-265/1	SP+4	4									
							39	78	10036					
323		AP-266	266	SP+0	0	2°38'5"LT					RUPAI CHARI	91°41'43.8"	23°3'20.5"	SP WITH ANGLE
							35	35	10071					
324	179	AP-267	267	DP+0	0	4°56'9"LT					RUPAI CHARI	91°41'43.7"	23°3'19.4"	DP USED SECTION POLE
							43							
325			LOC-267/1	SP+0	0									
							42	85	10156					
326	180	AP-268	268	SP+0	0	1°49'4"LT					RUPAI CHARI	91°41'43.6"	23°3'16.6"	SP WITH ANGLE
							36	36	10192					
327	181	AP-269	269	SP+0	0	7°28'2"RT					RUPAI CHARI	91°41'43.6"	23°3'15.4"	SP WITH ANGLE
							26	26	10218					
328	182	AP-270	270	DP+0	0	10°46'1"LT					RUPAI CHARI	91°41'43.4"	23°3'14.6"	
							26	26	10244					
329		AP-271	271	DP+2	2	13°3'1"RT					RUPAI CHARI	91°41'43.4"	23°3'13.8"	
							26	26	10270	11KV,LT LINE,METAL ROAD				

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SUBMITTED BY:TECHNOFAB

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M.C. Roy
Dy Manager
P-SATCHARI

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OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINK NAME:PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO.-WGS-84 EASTING	GPS CO.-WGS-84 NORTHING	REMARKS
330	183	AP-272	272	DP+2	2	20°10'36"LT					RUPAI CHARI	91°41'43.2"	23°3'12.9"	
							40							
331			LOC-272/1	SP+0	0									
							40	80	10350	VILL ROAD				
332		AP-273	273	DP+2	2	21°8'27"LT					JOLAFA	91°41'43.6"	23°3'10.3"	
							26	26	10376	11KV,LT LINE,METAL ROAD				
333	184	AP-274	274	DP+2	2	25°52'8"RT					JOLAFA	91°41'44"	23°3'9.6"	
							26	26	10402					
334		AP-275	275	DP+2	2	14°51'39"RT					JOLAFA	91°41'44.1"	23°3'8.8"	
							26	26	10428	11KV,LT LINE,METAL ROAD				
335	185	AP-276	276	SP+4	4	7°7'59"LT					JOLAFA	91°41'43.9"	23°3'7.9"	SP WITH ANGLE
							39							
336			LOC-276/1	SP+0	0									
							39	78	10506	LT LINE,VILL ROAD				
337	186	AP-277	277	DP+2	2	12°35'28"LT					JOLAFA	91°41'43.6"	23°3'5.4"	
							42	42	10548					
338		AP-278	278	DP+0	0	17°41'1"RT					JOLAFA	91°41'43.8"	23°3'4.1"	
							35	35	10583	VILL ROAD				
339	187	AP-279	279	SP+0	0	7°33'39"LT					JOLAFA	91°41'43.6"	23°3'2.9"	SP WITH ANGLE
							26	26	10609					
340		AP-280	280	SP+0	0	8°34'37"RT					JOLAFA	91°41'43.6"	23°3'2.1"	SP WITH ANGLE
							26	26	10635					
341		AP-281	281	SP+2	2	5°1'21"RT					JOLAFA	91°41'43.4"	23°3'1.3"	SP WITH ANGLE
							45	45	10680	LT LINE				
342	188	AP-282	282	DP+0	0	17°0'20"LT					JOLAFA	91°41'42.9"	23°2'59.8"	
							33	33	10713	VILL ROAD				
343	189	AP-283	283	DP+2	2	32°16'7"LT					JOLAFA	91°41'42.9"	23°2'58.8"	
							26	26	10739	11KV,METAL ROAD,NALA				
344		AP-284	284	DP+2	2	30°59'13"RT					JOLAFA	91°41'43.4"	23°2'58.1"	
							26	26	10765					
345		AP-285	285	DP+0	0	15°0'19"RT					JOLAFA	91°41'43.3"	23°2'57.2"	
							26	26	10791					
346		AP-286	286	SP+4	4	6°37'47"RT					JOLAFA	91°41'43.1"	23°2'56.4"	SP WITH ANGLE
							30	30	10821	VILL ROAD,LT LINE				
347	190	AP-287	287	DP+2	2	12°6'29"RT					JOLAFA	91°41'42.7"	23°2'55.5"	
							26	26	10847	11KV,LT LINE,METAL ROAD				
348		AP-288	288	DP+2	2	19°36'4"LT					JOLAFA	91°41'42.1"	23°2'54.6"	
							42	42	10889					
349		AP-289	289	SP+2	2	7°1'78"LT					JOLAFA	91°41'41.8"	23°2'53.5"	SP WITH ANGLE
							43	43	10932	11KV, Mobile				
350	191	AP-290	290	DP+4	4	20°33'23"RT					JOLAFA	91°41'41.5"	23°2'52.1"	

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SUBMITTED BY TECHNOFAB.

Dilwar Alam
FE, PGCIL

M.C. Nath
Dy. Manager
KCRPSD-SATCHAND

APPROVED BY:

OWNER-T.S.E.C.L
CUENT-P.G.C.I.L

DETAIL POLE SCHEDULE

K NAME:PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO.-WGS-84 EASTING	GPS CO.-WGS-84 NORTHING	REMARKS
							42	42	10974	2NOS LT LINE, VILL ROAD				
351		AP-291	291	DP+4	4	53°28'32"RT					JOLAFA	91°41'40.8"	23°2'50.9"	
							36	36	11010	11KV				
352	192	AP-292	292	FP+2	2	62°50'27"LT					JOLAFA	91°41'39.8"	23°2'50.7"	
							32	32	11042	11KV				
353	193	AP-293	293	SP+4	4	2°11'10"LT					JOLAFA	91°41'39.2"	23°2'49.8"	SP WITH ANGLE
							39							
354			LOC-293/1	SP+0	0									
							39	78	11120					
355	194	AP-294	294	SP+0	0	6°56'29"LT					JOLAFA	91°41'38.4"	23°2'47.3"	SP WITH ANGLE
							39							
356	195		LOC-294/1	SP+0	0									
							39	78	11198					
357		AP-295	295	SP+0	0	2°27'50"RT					JOLAFA	91°41'37.9"	23°2'44.8"	SP WITH ANGLE
							30	30	11228					
358		AP-296	296	DP+0	0	5°53'3"LT					JOLAFA	91°41'37.7"	23°2'43.9"	DP USED SECTION POLE
							42							
359			LOC-296/1	SP+0	0									
							42	84	11312					
360	196	AP-297	297	SP+0	0	9°22'55"RT					JOLAFA	91°41'37.4"	23°2'41.2"	SP WITH ANGLE
							33	33	11345	NALA				
361	197	AP-298	298	DP+0	0	15°26'12"LT					JOLAFA	91°41'37.1"	23°2'40.2"	
							26	26	11371					
362		AP-299	299	DP+0	0	11°33'23"RT					JOLAFA	91°41'37"	23°2'39.3"	
							28	28	11399					
363		AP-300	300	DP+0	0	11°1'31"LT					JOLAFA	91°41'36.8"	23°2'38.4"	
							29	29	11428					
364		AP-301	301	SP+0	0	3°33'49"LT					JOLAFA	91°41'36.8"	23°2'37.5"	SP WITH ANGLE
							26	26	11454					
365	198	AP-302	302	SP+4	4	8°35'16"RT					JOLAFA	91°41'36.9"	23°2'36.6"	SP WITH ANGLE
							26	26	11480	11KV, METAL ROAD				
366		AP-303	303	DP+2	2	24°59'14"LT					JOLAFA	91°41'36.8"	23°2'35.8"	
							26	26	11506					
367		AP-304	304	DP+2	2	10°51'26"LT					JOLAFA	91°41'37"	23°2'35"	
							26	26	11532	11KV,METAL ROAD				
368	199	AP-305	305	DP+2	2	16°56'29"RT					JOLAFA	91°41'37.5"	23°2'34.3"	
							29	29	11561	VILL ROAD				
369		AP-306	306	SP+0	0	0°2'32"LT					JOLAFA	91°41'37.7"	23°2'33.3"	SP WITH ANGLE
							35							
370			LOC-306/1	SP+0	0									
							35							

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SUBMITTED BY:TECHNOFAB.

Dilwar Alam
FE, PGCIL

Dy. Manager
NERPSIP-SATCHARI

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINK NAME:PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S

SL.NO	AP.NO.AS PER ROUTE SURVEY	AP.NO.AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO.-WGS-84 EASTING	GPS CO.-WGS-84 NORTHING	REMARKS
371	200		LOC-306/2	SP+0	0									
							34	104	11665					
372		AP-307	307	SP+0	0	8°2'52"LT					JOLAFA	91°41'38.4"	23°2'30.2"	SP WITH ANGLE
							26	26	11691					
373	201	AP-308	308	DP+2	2	10°14'1"RT					JOLAFA	91°41'38.6"	23°2'29.3"	
							27	27	11718	11KV,METAL ROAD				
374	202	AP-309	309	DP+2	2	30°26'16"LT					JOLAFA	91°41'39"	23°2'28.4"	
							26	26	11744					
375		AP-310	310	SP+2	2	2°38'22"RT					SUBROOM	91°41'39.6"	23°2'27.7"	SP WITH ANGLE
							26	26	11770	11KV				
376	203	AP-311	311	DP+2	2	14°5'13"RT					SUBROOM	91°41'40.2"	23°2'27.1"	
							27	27	11797	11KV,METAL ROAD				
377	204	AP-312	312	DP+2	2	12°28'48"RT					SUBROOM	91°41'40.6"	23°2'26.3"	
							26	26	11823					
378		AP-313	313	SP+0	0	6°16'45"RT					SUBROOM	91°41'40.8"	23°2'25.5"	SP WITH ANGLE
							27	27	11850					
379	205	AP-314	314	SP+0	0	4°25'34"LT					SUBROOM	91°41'40.9"	23°2'24.6"	SP WITH ANGLE
							30	30	11880					
380		AP-315	315	SP+0	0	2°35'29"LT					SUBROOM	91°41'41.1"	23°2'23.6"	SP WITH ANGLE
							28	28	11908					
381	206	AP-316	316	DP+0	0	4°0'10"RT					SUBROOM	91°41'41.3"	23°2'22.7"	DP USED LONG SPAN
							58	58	11966	Bridge Crossing				
382		AP-317	317	DP+0	0	10°2'49"RT					SUBROOM	91°41'41.6"	23°2'20.9"	DP USED LONG SPAN
							26	26	11992					
383	207	AP-318	318	SP+0	0	6°15'7"LT					SUBROOM	91°41'41.5"	23°2'20"	SP WITH ANGLE
							26	26	12018					
384		AP-319	319	SP+0	0	4°3'57"LT					SUBROOM	91°41'41.6"	23°2'19.2"	SP WITH ANGLE
							30	30	12048					
385		AP-320	320	DP+0	0	1°37'10"RT					SUBROOM	91°41'41.8"	23°2'18.2"	
							43							
386			LOC-320/1	SP+0	0									
							43							
387			LOC-320/2	SP+0	0									
							42	128	12176					
388	208	AP-321	321	SP+2	2	2°19'36"LT					SUBROOM	91°41'42.4"	23°2'14.1"	SP WITH ANGLE
							30	30	12206	LT LINE,METAL ROAD				
389		AP-322	322	DP+0	0	13°1'27"RT					SUBROOM	91°41'42.5"	23°2'13.1"	
							42	42	12248					
390	209	AP-323	323	SP+0	0	2°21'9"LT					SUBROOM	91°41'42.4"	23°2'11.8"	SP WITH ANGLE
							36	36	12284					
391		AP-324	324	SP+0	0	3°39'53"RT					SUBROOM	91°41'42.4"	23°2'10.6"	SP WITH ANGLE

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M.C. Roy
Dy. Manager
TECHNO FAB-SATCHAND

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

K NAME:PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO.-WGS-84 EASTING	GPS CO.-WGS-84 NORTHING	REMARKS
							40	40	12324					
392	210	AP-325	325	SP+0	0	7°47'7"RT					SUBROOM	91°41'42.5"	23°2'9.3"	SP WITH ANGLE
							38	38	12362					
393		AP-326	326	SP+2	2	0°53'23"LT					SUBROOM	91°41'42.4"	23°2'8.1"	SP WITH ANGLE
							26	26	12388	LT LINE,METAL ROAD				
394	211	AP-327	327	DP+2	2	14°49'1"LT					SUBROOM	91°41'42.3"	23°2'7.2"	
							32	32	12420					
395		AP-328	328	SP+2	2	5°44'10"LT					SUBROOM	91°41'42.5"	23°2'6.2"	SP WITH ANGLE
							26	26	12446	LT LINE				
396	212	AP-329	329	DP+0	0	18°15'10"RT					SUBROOM	91°41'42.7"	23°2'5.4"	
							26	26	12472	METAL ROAD				
397	213	AP-330	330	SP+2	2	8°31'8"LT					SUBROOM	91°41'42.6"	23°2'4.5"	SP WITH ANGLE
							26	26	12498	LT LINE,METAL ROAD				
398	214	AP-331	331	SP+2	2	9°50'42"RT					SUBROOM	91°41'42.7"	23°2'3.7"	SP WITH ANGLE
							26	26	12524	METAL ROAD				
399	215	AP-332	332	SP+0	0	8°17'55"LT					SUBROOM	91°41'42.6"	23°2'2.9"	SP WITH ANGLE
							26	26	12550	METAL ROAD				
400		AP-333	333	SP+0	0	1°13'46"LT					SUBROOM	91°41'42.7"	23°2'2"	SP WITH ANGLE
							28	28	12578					
401		AP-334	334	SP+0	0	2°23'16"LT					SUBROOM	91°41'42.8"	23°2'1.1"	SP WITH ANGLE
							26	26	12604					
402	216	AP-335	335	DP+0	0	12°48'27"LT					SUBROOM	91°41'42.9"	23°2'0.3"	
							26	26	12630	LT LINE,METAL ROAD				
403	217	AP-336	336	FP+0	0	86°17'8"LT					SUBROOM	91°41'43.2"	23°1'59.5"	
							26	26	12656					
404	218	AP-337	337	DP+0	0	20°25'23"RT					SUBROOM	91°41'44.1"	23°1'59.7"	
							26	26	12682					
405		AP-338	338	DP+0	0	12°26'41"LT					SUBROOM	91°41'45"	23°1'59.7"	
							26	26	12708					
406	219	AP-339	339	DP+2	2	17°10'2"RT					SUBROOM	91°41'45.8"	23°2'0.1"	
							26	26	12734	LT LINE				
407		AP-340	340	DP+2	2	15°41'45"LT					SUBROOM	91°41'46.7"	23°2'0.2"	
							26	26	12760					
408	220	AP-341	341	FP+0	0	89°52'30"RT					SUBROOM	91°41'47.5"	23°2'0.6"	
							20	20	12780	METAL ROAD				
409		AP-342	342	SP+0	0	6°45'40"RT					SUBROOM	91°41'47.8"	23°2'0"	SP WITH ANGLE
							26	26	12806					
410	221	AP-343	343	SP+0	0	5°10'24"LT					SUBROOM	91°41'48"	23°1'59.2"	SP WITH ANGLE
							26	26	12832					
411		AP-344	344	DP+0	0	13°48'21"RT					SUBROOM	91°41'48.3"	23°1'58.4"	
							29	29	12861					

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TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY: TECHNOFAB.

Dilwar Alam
FE, PGCIL

M.C. Kam
Dy. Manager
PGCIL SATCHARI

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINK NAME:PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S

	SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO.-WGS-84 EASTING	GPS CO.-WGS-84 NORTHING	REMARKS
	412		AP-345	345	DP+2	2	30°34'52"RT					SUBROOM	91°41'48.5"	23°1'57.5"	
								25	25	12886	METAL ROAD				
HOLD	413	222	AP-346	346	DP+2	2	37°35'50"LT					SUBROOM	91°41'48.1"	23°1'56.7"	
								36							
	414			LOC-346/1	SP+0	0									
								26	52	12938					
	415	223	AP-347	347	DP+0	0	24°1'47"RT					SUBROOM	91°41'48.6"	23°1'55.1"	
								26							
	416			LOC-347/1	SP+0	0									
								26	52	12990					
	417		AP-348	348	DP+4	4	33°36'21"LT					SUBROOM	91°41'48.2"	23°1'53.4"	
HOLD								21	21	13011	11KV,LT LINE,VILL ROAD				
	418	224	AP-349	349	FP+4	4	80°40'26"LT					SUBROOM	91°41'48.5"	23°1'52.6"	
								36							
	419			LOC-349/1	SP+0	0									
								42							
	420			LOC-349/2	SP+0	0									
								43	121	13132					
	421		AP-350	350	FP+0	0	66°21'22"RT					SUBROOM	91°41'52.6"	23°1'53.7"	
HOLD								22	22	13154	NH 44				
	422	225	AP-351	351	FP+0	0	62°12'34"LT					SUBROOM	91°41'53.1"	23°1'53.2"	
								45							
	423			LOC-351/1	SP+0	0									
								45	90	13244					
	424	226	AP-352	352	SP+4	4	4°11'28"RT					SUBROOM	91°41'56.2"	23°1'53.7"	SP WITH ANGLE
								43	43	13287	LT LINE				
HOLD	425	227	AP-353	353	SP+4	4	2°39'52"RT					SUBROOM	91°41'57.7"	23°1'53.8"	SP WITH ANGLE
								45	45	13332					
	426	228	AP-354	354	DP+0	0	17°19'44"RT					SUBROOM	91°41'59.3"	23°1'53.9"	
								37	37	13369					
	427		AP-355	355	DP+0	0	20°33'16"RT					SUBROOM	91°42'0.5"	23°1'53.6"	
								42	42	13411					
	428	229	AP-356	356	DP+2	2	17°16'0"RT					SUBROOM	91°42'1.7"	23°1'52.8"	
								39	39	13450	LT LINE				
	429	230	AP-357	357	SP+4	4	4°21'27"RT					SUBROOM	91°42'2.7"	23°1'51.9"	SP WITH ANGLE
								26	26	13476	LT LINE				
HOLD	430	231	AP-358	358	DP+2	2	19°33'8"RT					SUBROOM	91°42'3.2"	23°1'51.2"	
								35							
	431			LOC-358/1	SP+4	4									
								35			LT LINE				
	432			LOC-358/2	SP+4	4									

SUBMITTED BY: TECHNOFAB.

Dilwar Alam
AE, PGCIL

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINK NAME:PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO.-WGS-84 EASTING	GPS CO.-WGS-84 NORTHING	REMARKS
							34	104	13580					
433	232	AP-359	359	SP+0	0	9°58'58"LT					SUBROOM	91°42'4.4"	23°1'46"	SP WITH ANGLE
							39							
434			LOC-359/1	SP+4	4									
							39	78	13658	LT LINE				
435		AP-360	360	DP+2	2	11°31'48"RT					SUBROOM	91°42'5.7"	23°1'45.7"	
							45	45	13703					
436	233	AP-361	361	DP+0	0	13°21'2"RT					SUBROOM	91°42'6.1"	23°1'44.3"	
							33	33	13736					
437	234	AP-362	362	SP+0	0	3°33'51"RT					SUBROOM	91°42'6.2"	23°1'43.3"	SP WITH ANGLE
							30							
438			LOC-362/1	SP+0	0									
							40							
439			LOC-362/2	SP+0	0									
							34	104	13840					
440	235	AP-363	363	DP+0	0	20°27'44"LT					SUBROOM	91°42'6.2"	23°1'39.9"	
							26							
441			LOC-363/1	SP+0	0									
							27	53	13893					
442	236	AP-364	364	DP+0	0	14°16'59"LT					SUBROOM	91°42'6.8"	23°1'38.3"	
							42							
443			LOC-364/1	SP+0	0									
							42							
444	237		LOC-364/2	SP+0	0									
							42							
445			LOC-364/3	SP+0	0									
							40							
446			LOC-364/4	SP+0	0									
							42	208	14101					
447	238	AP-365	365	DP+4	4	36°11'43"LT					SUBROOM	91°42'11"	23°1'32.7"	
							42	42	14143	2NOS LT LINE,2NOS 11KV				
448		AP-366	366	DP+4	4	6°48'57"LT					SUBROOM	91°42'12.4"	23°1'32.3"	
							38	38	14181					
449	239	AP-367	367	SP+0	0	4°11'54"LT					SUBROOM	91°42'13.7"	23°1'32"	SP WITH ANGLE
							39							
450			LOC-367/1	SP+0	0									
							39	78	14259					
451		AP-368	368	SP+0	0	1°52'41"LT					SUBROOM	91°42'16.4"	23°1'31.7"	SP WITH ANGLE
							26	26	14285					
452		AP-369	369	SP+0	0	0°30'46"RT					SUBROOM	91°42'17.3"	23°1'31.0"	SP WITH ANGLE
							28	28	14313					

HOLD

HOLD

SUBMITTED BY:TECHNOFAB.

TECHNOFAB ENGINEERING LIMITED TRIPURA

Dilwar Alam
FE,PGCIL

M.C. Ram
Ex. Manager
P-SATCHAND

APPROVED BY:

OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINK NAME:PROPOSED 33/11 KV RUPAICHARI S/S TO PROPOSED 132/33 KV SABROOM S/S

SL.NO	AP.NO. AS PER ROUTE SURVEY	AP.NO. AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO.-WGS-84 EASTING	GPS CO.-WGS-84 NORTHING	REMARKS
453	240	AP-370	370	DP+0	0	15°23'39"RT					SUBROOM	91°42'18.2"	23°1'31.3"	
							28							
454			LOC-370/1	DP+4	4									USE OF FOR POWER LINE CROSSING
							27	55	14368	11KV				
455	241	AP-371	371	DP+4	4	19°44'45"RT					SUBROOM	91°42'19.9"	23°1'30.4"	
							28	28	14396					
456		AP-372	372	SP+0	0	4°28'48"LT					SUBROOM	91°42'20.5"	23°1'29.7"	SP WITH ANGLE
							39							
457			LOC-372/1	SP+0	0									
							39	78	14474					
458		AP-373	373	SP+0	0	5°57'26"RT					SUBROOM	91°42'22.4"	23°1'27.9"	SP WITH ANGLE
							26	26	14500					
459	242	AP-374	374	DP+0	0	10°29'22"LT					SUBROOM	91°42'23"	23°1'27.2"	
							24	24	14524	METAL ROAD				
460	243	AP-375	375	SP+0	0	2°51'32"RT					SUBROOM	91°42'23.6"	23°1'26.7"	SP WITH ANGLE
							26	26	14550					
461	244	AP-376	376	DP+2	2	23°43'51"RT					SUBROOM	91°42'24.3"	23°1'26.1"	
							28	28	14578	LT LINE				
462	245	AP-377	377	FP+4	4						SUBROOM	91°42'24.7"	23°1'25.2"	

HOLD

HOLD

Pole schedule with normal pole & which are within permissible individual span limit of angle of devaition are Approved.
Put on hold all crossing span - Road / NH crossings, power line crossings, Railway crossings, River crossing etc & spans violating the maximum individual span limit & maximum limits of angle of deviation.
Separate detailed profile to be submitted for further approval of the above spans.

08/11/2017
(S. I. [illegible])

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY: TECHNOFAB.

Dilwar Alam
FE, PGCIL

R GANESHMANI
SR. ENGR

M.C. Rao
Dy. Manager
NEPSIP-SATCHAND

APPROVED BY:

ANNEXURE-II

Approval & hold details of Detail Survey for 33KV Satchand-Rupalchari line under package TRI-DMS-02																
Approved No of Normal Pole (+0M Extn) as per submitted drawing			Hold No of power line x-ing span(LT,11 KV)	Hold No of Road/NH Xing	Hold no of River crossing	Hold No of +0M Extn (Nos)			Hold No of +2Mm Extn (Nos)			Hold No of +4m Extn(Nos)			Hold No of Span violations	Hold No of Angle violations
SP(GA01 +GA02)	DP(GA03)	FP(GA04)				SP(GA01 +GA02)	DP(GA03)	FP(GA04)	SP(GA01)	DP(GA03)	FP(GA04)	SP(GA01 +GA02)	DP(GA03)	FP(GA04)		
75	(56*2)=112	(4*4)=16	53	0	0	2	(3*2)=6	(1*4)=4	6	(8*2)=16	(2*4)=8	25	(24*2)=48	(1*4)=4	0	1
Total= 203 Nos																

28/10/17

M.C. Ram
Dy. Manager

POLE SUMMARY DETAILS

Tripura state associated with NER power system improvement project.(DMS PACKAGE-02)

CC-CS/86-NER/REW-2985/1/G2/NOA 1&11/7145 &7146 Dated 20/01/2017

PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV RUPAICHARI S/S

TOTAL LINE LENGTH - 6.913KM.

			TABULAR POLE				
S.No.	Type of Pole	Extension	Pole Qty	12 m Pole	14 m Pole	16 m Pole	Remarks
1	SP (GA-01)	0 m	56	56			
2		2 m	6		12		
3		4 m	9			9	
4	SP (GA-02)	0 m	21	21			
5		2 m					
6		4 m	16			16	
7	DP (GA-03)	0 m	59	118			
8		2 m	8		16		
9		4 m	24			48	
10	FP (GA-04)	0 m	5	20			
11		2 m	2		8		
12		4 m	1			4	
13	SP (Double Circuit)	0 m					
14		2 m					
15		4 m					
16	DP (Double Circuit)	0 m					
17		2 m					
18		4 m					
19	FP (Double Circuit)	0 m					
20		2 m					
21		4 m					
	TOTAL			215	36	77	

14.10.17
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TRIPURA

LINE LINK :-PROPOSED 132/33 KV SATCHAND S/S TO PROPOSED 33/11 KV RUPAICHARI S/S

Sl. No.	Description	Unit	Quantity	Remarks
A	*Pole height*			
1	0 Extenion	215		
2	2 m extension	36		
3	4 m extension	77		
B	*Crossings*			
1	11 KV Crossing	30		
	LT Line	23		
2	NH Crossing			
3	33 KV Crossing			
C	*River Crossing*			
D	*Nala Crossing*	4		
E	*Road Crossing*			
1	*Matel Road*	46		
2	*Village Road*	3		
3	*Pond Crossing*	1		
F	*Span voilation*			
G	angle voilation	1		

Note: We have approved 12 M pole drawing (0 M extension) and we have proposed 14M&16 M extension pole for crossings.

14.10.17
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R. Ganesh Mani
Engineer
POWER GRID CORPORATION OF INDIA LIMITED

Dy. Manager
NERPSIP-SATCHAND

TECHNOFAB ENGINEERING LIMITED
TRIPURA

OWNER-T.S.E.C.LCLIENT-P.G.C.I.L

DETAIL ~~POAL~~ POLE SCHEDULE

LINK NAME: 33KV PROPOSED SATCHAND S/S TO PROPOSED ALIPAICHARI S/S"

33Kb

SL. NO.	AP.NO. AS PER ROUTE SURVEY	AP NO AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE (WGS-84)		REMARKS
												EASTING	NORTHING	
1	1	1	1	FP+0	0						SATCHAND	91°38'5.8"	23°6'24.6"	
							45	45	45					
2	2	2	2	DP+0	0	16°33'22"RT					SATCHAND	91°38'7.3"	23°6'24.6"	
							39	39	84					
3	3	3	3	SP+0	0	8°33'53"LT					SATCHAND	91°38'8.6"	23°6'24.2"	SP WITH ANGLE
							45							
4			LOC-3/1	SP+0	0									
							45							
5			LOC-3/2	SP+0	0									
							45	135	219					
6	4	4	4	DP+0	0	15°42'10"RT					SATCHAND	91°38'13.3"	23°6'23.7"	
							45							
7			LOC-4/1	SP+0	0									
							45			LT LINE				
8			LOC-4/2	SP+2	2									
							43			LT LINE				
9			LOC-4/3	DP+2	2									
							42							
10			LOC-4/4	SP+2	2									
							43			VILL ROAD, LT LINE				
11			LOC-4/5	SP+2	2									
							42	260	479					
12	5	5	5	FP+2	2	73°18'57"LT					SATCHAND	91°38'21.7"	23°6'20.4"	
							39			LT LINE				
13			LOC-5/1	SP+2	2									
							39	78	557					
14		6	6	SP+4	4	4°56'22"LT					SATCHAND	91°38'23.5"	23°6'22.3"	SP WITH ANGLE
							29	29	586	LT LINE, 11KV				
15	6	7	7	SP+4	4	7°44'15"LT					SATCHAND	91°38'24.1"	23°6'23.1"	SP WITH ANGLE
							29	29	615					
16	7	8	8	DP+0	0	15°52'57"LT					SATCHAND	91°38'24.5"	23°6'23.5"	
							40							
17	8		LOC-8/1	SP+0	0									
							39							
18			LOC-8/2	SP+0	0									
							39	118	733					
19		9	9	SP+0	0	5°36'5"RT					SATCHAND	91°38'25.1"	23°6'27.7"	SP WITH ANGLE
							40	40	773					

HOLD

TECHNOFAB ENGINEERING LIMITED TRIPURA

14-10-17

Dilwar Alam
FE, PGCIL

CHECKED BY :

R. Ganesh Mani
Engineer
POWER GRID CORPORATION OF INDIA LIMITED

14/10/17

M.C. Ram
Dy. Manager
KERPSIP-SATCHAND

BMITTED BY: TECHNOFAB

APPROVED BY:

OWNER-T.S.E.C.L/CURNT-P.G.C.I.L

POLE DETAIL ~~POAL~~ SCHEDULE

LINK NAME: 132KV PROPOSED SATCHAND S/S TO PROPOSED ARUPAICHARI S/S

SL. NO.	AP.NO. AS PER ROUTE SURVEY	AP NO AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE (WGS-84) EASTING	NORTHING	REMARKS
20	9	10	10	DP+0	0	13°8'0"LT					SATCHAND	91°38'25.6"	23°6'28.9"	
							39							
21			LOC-10/1	SP+4	4									
							39	78	851	LT LINE, 11KV				
22	10	11	11	SP+4	4	3°45'18"RT					SATCHAND	91°38'25.5"	23°6'31.5"	SP WITH ANGLE
							26	26	877					
23		12	12	DP+0	0	0°29'13"RT					SATCHAND	91°38'25.5"	23°6'32.3"	
							39							
24			LOC-12/1	SP+0	0									
							39	78	955					
25	11	13	13	DP+2	2	11°57'51"RT					SATCHAND	91°38'25.7"	23°6'34.9"	
							40			LT LINE				
26			LOC-13/1	SP+2	2									
							40	80	1035					
27		14	14	DP+4	4	10°11'59"RT					SATCHAND	91°38'26.3"	23°6'37.4"	
							26	26	1061	METAL ROAD, LT LINE+11KV				
28		15	15	DP+4	4	16°22'45"LT					SATCHAND	91°38'26.6"	23°6'38.2"	
							27	27	1088					
29	12	16	16	SP+4	4	4°17'8"LT					SATCHAND	91°38'26.7"	23°6'39.1"	SP WITH ANGLE
							27	27	1115	11KV				
30		17	17	DP+4	4	13°47'43"LT					SATCHAND	91°38'26.8"	23°6'40"	
							30	30	1145	METAL ROAD, 11KV+LT LINE				
31	13	18	18	DP+4	4	11°30'10"RT					SATCHAND	91°38'26.5"	23°6'40.9"	
							27	27	1172					
32		19	19	DP+2	2	29°58'52"RT					SATCHAND	91°38'26.5"	23°6'41.8"	
							30	30	1202	11KV+LT LINE				
33	14	20	20	DP+2	2	21°13'40"LT					SATCHAND	91°38'27.1"	23°6'42.6"	
							42	42	1244					
34		21	21	DP+4	4	10°43'47"LT					SATCHAND	91°38'27.3"	23°6'44"	
							39	39	1283	2 NOS 11KV				
35	16	22	22	DP+4	4	14°58'15"RT					KALAM BARI	91°38'27.1"	23°6'45.2"	
							27	27	1310	VILL ROAD				
36	17	23	23	DP+0	0	40°37'16"RT					KALAM BARI	91°38'27.4"	23°6'46.1"	
							45	45	1355	NALA				
37	18	24	24	FP+2	2	74°42'09"LT					KALAM BARI	91°38'28.7"	23°6'47"	
							39			METAL ROAD, 11KV				
38			LOC-24/1	SP+4	4									

HOLD

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SUBMITTED BY: TECHNO E&C ENGINEERING LIMITED TRIPURA

14.10.17
Dilwar Alam
FE, PGCIL

CHECKED BY :

आर. मनोज सिंह / R. Manoj Singh
अभियंता / Engineer
पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

14/10/17

M.C. Ram
Dy. Manager
NERPSIP-SATCHAND

APPROVED BY:

DETAIL POLE SCHEDULE

	Sl. NO.	AP.NO. AS PER ROUTE SURVEY	AP NO AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE (WGS-84) EASTING	NORTHING	REMARKS
								35	74	1429					
	39		25	25	DP+0	0	34°46'36"RT					KALAM BARI	91°38'27.7"	23°6'49.2"	
								39							
	40	19		LOC-25/1	SP+0	0									
								39	78	1507					
HOLD	41		26	26	DP+2	2	19°29'29"LT					KALAM BARI	91°38'28.3"	23°6'51.7"	
								25	25	1532	2 NOS LT LINE, METAL ROAD				
	42	20	27	27	SP+4	4	5°55'56"RT					KALAM BARI	91°38'28.2"	23°6'52.5"	SP WITH ANGLE
								29	29	1561	11KV				
	43		28	28	DP+4	4	23°49'54"RT					KALAM BARI	91°38'28.2"	23°6'53.4"	
								27			METAL ROAD				
HOLD	44	21		LOC-28/1	SP+4	4									
								23	50	1611	METAL ROAD, 11KV				
	45	22	29	29	SP+4	4	8°14'7"RT					KALAM BARI	91°38'28.9"	23°6'54.9"	SP WITH ANGLE
								27	27	1638	METAL ROAD, 2 NOS LT LINE				
HOLD	46	23	30	30	DP+2	2	26°58'30"LT					KALAM BARI	91°38'29.4"	23°6'55.7"	
								26	26	1664	METAL ROAD				
	47	24	31	31	SP+0	0	5°14'12"RT					KALAM BARI	91°38'29.5"	23°6'56.5"	SP WITH ANGLE
								32							
	48			LOC-31/1	SP+0	0									
								35	67	1731					
	49	25	32	32	DP+0	0	13°32'15"LT					KALAM BARI	91°38'29.9"	23°6'58.7"	
								45	45	1776					
	50		33	33	SP+0	0	7°12'01"RT					KALAM BARI	91°38'29.8"	23°7'0.1"	SP WITH ANGLE
								45	45	1821					
	51	26	34	34	DP+0	0	14°16'12"RT					KALAM BARI	91°38'29.9"	23°7'1.6"	
								45							
	52			LOC-34/1	SP+0	0									
								45	90	1911					
HOLD	53	27	35	35	DP+4	4	28°10'43"LT					KALAM BARI	91°38'30.8"	23°7'4.4"	
								26			11KV				
	54			LOC-35/1	SP+4	4									
								27	53	1964					
	55		36	36	SP+0	0	7°47'13"RT					KALAM BARI	91°38'30.5"	23°7'6.1"	SP WITH ANGLE
								27							
	56			LOC-36/1	SP+0	0									
								23	50	2014					
	57	28	37	37	DP+0	0	19°19'10"RT					KALAM BARI	91°38'30.4"	23°7'7.7"	

TECHNOFAB ENGINEERING LIMITED TRIPURA

SUBMITTED BY: TECHNOFAB

14.10.17
Dilwar Alam
FE, PGCIL

आर. गणेश मणि / R. Ganesh Mani
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पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

14/10/17

M.C. Ram
Dy. Manager
NERPSIP-SATCHAND

APPROVED BY:

DETAIL POLE SCHEDULE

SL. NO.	AP.NO. AS PER ROUTE SURVEY	AP NO AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE (WGS-84)		REMARKS
												EASTING	NORTHING	
							34	34	2048	METAL ROAD				
58		38	38	SP+0	0	0°57'3"RT					KALAM BARI	91°38'30.8"	23°7'8.8"	SP WITH ANGLE
							35	35	2083					
59		39	39	SP+0	0	0°09'07"RT					KALAM BARI	91°38'31.1"	23°7'9.8"	SP WITH ANGLE
							35	35	2118					
60	29	40	40	DP+0	0	19°10'46"RT					KALAM BARI	91°38'31.5"	23°7'10.9"	
							38							
61			LOC-40/1	SP+0	0									
							38	76	2194					
62	30	41	41	SP+0	0	07°15'42"RT					KALAM BARI	91°38'33.1"	23°7'12.9"	SP WITH ANGLE
							25	25	2219					
63	31	42	42	DP+0	0	57°36'41"LT					KALAM BARI	91°38'33.7"	23°7'13.5"	
							29	29	2248					
64		43	43	FP+0	0	61°1'53"RT					MAIRA	91°38'33.5"	23°7'14.4"	
							25	25	2273					
65	32	44	44	DP+0	0	46°23'52"RT					MAIRA	91°38'34.1"	23°7'14.5"	
							40							
66			LOC-44/1	SP+0	0									
							40	80	2353					
67	33	45	45	SP+4	4	6°22'48"RT					MAIRA	91°38'36.5"	23°7'14.8"	SP WITH ANGLE
							40			11KV				
68			LOC-45/1	SP+4	4									
							40	80	2433					
69	34	46	46	SP+0	0	8°11'56"RT					MAIRA	91°38'39.7"	23°7'14.3"	SP WITH ANGLE
							39							
70			LOC-46/1	SP+0	0									
							39	78	2511					
71	35	47	47	DP+2	2	28°25'14"LT					MAIRA	91°38'42.3"	23°7'13.5"	
							27	27	2538	METAL ROAD, 11KV				
72	36	48	48	SP+4	4	6°30'27"RT					MAIRA	91°38'43.3"	23°7'13.6"	SP WITH ANGLE
							27	27	2565	METAL ROAD, 11KV				
73	37	49	49	SP+4	4	5°17'16"LT					MAIRA	91°38'44.2"	23°7'13.7"	SP WITH ANGLE
							39							
74	38		LOC-49/1	SP+0	0									
							39	78	2643					
75	39	50	50	SP+4	4	1°25'42"LT					MAIRA	91°38'47"	23°7'13.6"	SP WITH ANGLE
							27	27	2670	METAL ROAD, 11KV, LT LINE				
76		51	51	SP+4	4	1°12'47"RT					MAIRA	91°38'47.9"	23°7'13.6"	SP WITH ANGLE

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TECHNOFAB ENGINEERING LIMITED TRIPURA

14.10.17
Dilwar Abun
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आर. मनोज मणि / R. Ganesh Mani
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पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
POWER GRID CORPORATION OF INDIA LIMITED

14/10/17

M.C. Ram
Dy. Manager
NERPSIP-SATCHAND

DETAIL POLE SCHEDULE

SL. NO.	AP.NO. AS PER ROUTE SURVEY	AP NO AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE (WGS-84) EASTING	NORTHING	REMARKS
							26	26	3696					
77	40	52	52	SP+4	4	7°18'54"RT					MAIRA	91°38'48.8"	23°7'13.5"	SP WITH ANGLE
							42			METAL ROAD, 11KV				
78			LOC-52/1	SP+4	4									
							42	84	2780					
79	41	53	53	DP+0	0	16°35'24"RT					MAIRA	91°38'51.8"	23°7'13.1"	
							28							
80	42		LOC-53/1	SP+4	4									
							29	57	2837	METAL ROAD, 11KV				
81		54	54	SP+4	4	8°47'19"RT					MAIRA	91°38'53.6"	23°7'12.3"	SP WITH ANGLE
							29	29	2866					
82	43	55	55	DP+4	4	12°39'37"RT					MAIRA	91°38'54.3"	23°7'11.8"	
							27	27	2891	11KV, METAL ROAD				
83		56	56	DP+4	4	27°36'39"LT					MAIRA	91°38'55"	23°7'11.2"	
							27	27	2918	11KV				
84	44	57	57	DP+4	4	18°53'31"RT					MAIRA	91°38'55.[illegible]	23°7'10.9"	
							30							
85			LOC-57/1	SP+0	0									
							34	64	2982	NALA				
86	45	58	58	DP+0	0	29°0'31"RT					MAIRA	91°38'57.6"	23°7'9.6"	
							40							
87			LOC-58/1	SP+0	0									
							40	80	3062					
88	46	59	59	DP+0	0	12°05'11"LT					MAIRA	91°38'58.7"	23°7'7.2"	
							40							
89			LOC-59/1	SP+0	0									
							40	80	3142	METAL ROAD				
90		60	60	DP+0	0	22°45'53"RT					MAIRA	91°39'0.3"	23°7'5"	
							28	28	3170	METAL ROAD				
91	47	61	61	SP+0	0	3°47'56"LT					MAIRA CHARI	91°39'0.5"	23°7'4.1"	SP WITH ANGLE
							22	22	3192					
92	48	62	62	DP+0	0	22°33'47"LT					MAIRA CHARI	91°39'0.8"	23°7'3.3"	
							24							
93			LOC-62/1	SP+0	0									
							25	49	3240					
94	49	63	63	DP+0	0	14°13'25"LT					MAIRA CHARI	91°39'1.8"	23°7'2"	
							40							
95			LOC-63/1	SP+0	0									

Hold

Hold

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Engineer

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Dy. Manager
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DETAIL POLE SCHEDULE

SL. NO.	AP.NO. AS PER ROUTE SURVEY	AP NO AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE (WGS-84)		REMARKS
												EASTING	NORTHING	
							40	80	3326					
96	50	64	64	DP+0	0	36°10'07"RT					MAIYRA CHARI	91°39'4.1"	23°7'8.4"	
							25	25	3351					
97	51	65	65	DP+0	0	11°35'22"RT					MAIYRA CHARI	91°39'4.3"	23°6'59.6"	
							38			METAL ROAD				
98	52		LOC-65/1	SP+0	0									
							38	76	3427					
99	53	66	66	DP+0	0	15°13'24"RT					MAIYRA CHARI	91°39'4.5"	23°6'57.1"	
							26							
100			LOC-66/1	SP+0	0									
							25	51	3478					
101		67	67	DP+0	0	13°58'13"LT					MAIYRA CHARI	91°39'4.2"	23°6'55.5"	
							27	27	3505	METAL ROAD				
102	54	68	68	DP+0	0	11°12'43"LT					MAIYRA CHARI	91°39'4.3"	23°6'54.6"	
							26			METAL ROAD				
103			LOC-68/1	SP+0	0									
							22	48	3553					
104	55	69	69	DP+0	0	42°3'39"LT					MAIYRA CHARI	91°39'4.7"	23°6'53.1"	
							26							
105			LOC-69/1	SP+2	2									
							26	52	3605	LT LINE				
106	56	70	70	DP+0	0	33°10'34"LT					MAIYRA CHARI	91°39'6.2"	23°6'52.2"	
							27	27	3632	METAL ROAD				
107	57	71	71	SP+0	0	2°15'33"RT					MAIYRA CHARI	91°39'7.2"	23°6'52.2"	SP WITH ANGLE
							39							
108	58		LOC-71/1	SP+0	0									
							40	79	3711	METAL ROAD				
109	59	72	72	DP+0	0	47°54'3"RT					MAIYRA CHARI	91°39'9.9"	23°6'52.1"	
							27	27	3738	METAL ROAD, LT LINE				
110		73	73	DP+0	0	35°3'50"LT					MAIYRA CHARI	91°39'10.5"	23°6'51.4"	
							28	28	3766					
111	60	74	74	DP+0	0	10°39'28"LT					MAIYRA CHARI	91°39'11.5"	23°6'51.1"	
							27	27	3793					
112	61	75	75	DP+0	0	17°7'7"LT					MAIYRA CHARI	91°39'12.4"	23°6'51.1"	
							27	27	3820					
113		76	76	DP+0	0	16°16'12"LT					MAIYRA CHARI	91°39'13.4"	23°6'51.3"	
							26							
114			LOC-76/1	SP+0	0									

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POWER GRID CORPORATION OF INDIA LIMITED

14/10/17

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Dy. Manager
NERPSIP-SATCHAND

DETAIL POLE SCHEDULE

LINK NAME: "132/33 KV PROPOSED SATCHAND S/S TO PROPOSED 33 KV KUPAICHARI S/S"

SL. NO.	AP.NO. AS PER ROUTE SURVEY	AP NO AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE (WGS-84)		REMARKS
												EASTING	NORTHING	
							26	52	3872					
115	62	77	77	DP+0	0	29°54'42"RT					MAIYRA CHARI	91°39'15"	23°6'52.1"	
							41							
116			LOC-77/1	SP+0	0									
							41	82	3954	METAL ROAD				
117	63	78	78	DP+0	0	38°52'20"RT					MAIYRA CHARI	91°39'17.8"	23°6'52"	
							30							
118			LOC-78/1	SP+0	0									
							30	60	4014	VILL ROAD				
119	64	79	79	DP+0	0	23°30'38"LT					MAIYRA CHARI	91°39'19.4"	23°6'50.8"	
							30			POND				
120	65		LOC-79/1	SP+0	0									
							27	57	4071					
121		80	80	DP+0	0	11°47'22"RT					MAIYRA CHARI	91°39'21.4"	23°6'50.2"	
							27	27	4098	METAL ROAD				
122	66	81	81	DP+0	0	52°29'26"LT					MAIYRA CHARI	91°39'22.2"	23°6'49.8"	
							39			METAL ROAD				
123			LOC-81/1	SP+0	0									
							40	79	4177					
124	67	82	82	DP+0	0	24°54'46"RT					MAIYRA CHARI	91°39'24.7"	23°6'50.9"	
							27	27	4204	METAL ROAD				
125	68	83	83	DP+0	0	29°15'41"RT					MAIYRA CHARI	91°39'25.7"	23°6'50.8"	
							41							
126			LOC-83/1	SP+0	0									
							41	82	4286					
127		84	84	SP+0	0	7°49'3"LT					MAIYRA CHARI	91°39'28.2"	23°6'49.5"	SP WITH ANGLE
							45	45	4331					
128	69	85	85	DP+0	0	27°23'47"RT					MAIYRA CHARI	91°39'29.5"	23°6'48.8"	
							24							
129			LOC-85/1	SP+0	0									
							27	51	4382					
130	70	86	86	DP+0	0	24°54'27"LT					MAIYRA CHARI	91°39'30.6"	23°6'47.5"	
							28	28	4410					
131		87	87	SP+0	0	9°21'26"LT					MAIYRA CHARI	91°39'31.4"	23°6'47"	SP WITH ANGLE
							26							
132			LOC-87/1	SP+0	0									
							26	52	4462					
133		88	88	SP+0	0	8°44'16"RT					MAIYRA CHARI	91°39'33.1"	23°6'46.4"	SP WITH ANGLE

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POWER GRID CORPORATION OF INDIA LIMITED

APPROVED BY:

DETAIL POLE SCHEDULE

SL. NO.	AP.NO. AS PER ROUTE SURVEY	AP NO AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE (WGS-84)		REMARKS
												EASTING	NORTHING	
							27							
134	71		LOC-88/1	SP+0	0									
							27	54	4516					
135		89	89	DP+0	0	12°3'24"RT					MAYRA CHARI	91°39'34.8"	23°6'45.5"	
							27							
136	72		LOC-89/1	SP+0	0									
							27	54	4570					
137	73	90	90	DP+0	0	13°12'28"LT					MAYRA CHARI	91°39'36.2"	23°6'44.3"	
							27	27	4597					
138		91	91	DP+0	0	20°41'8"LT					MAYRA CHARI	91°39'37"	23°6'43.9"	
							23	23	4620					
139	92	92	92	DP+0	0	13°3'42"LT					MAYRA CHARI	91°39'37.8"	23°6'43.8"	
							43							
140			LOC-92/1	SP+0	0									
							42							
141			LOC-92/2	SP+0	0									
							43							
142			LOC-92/3	SP+0	0									
							45	173	4793					
143	75	93	93	DP+0	0	25°10'17"LT					MAYRA CHARI	91°39'43.9"	23°6'44.3"	
							44	44	4837	METAL ROAD				
144		94	94	DP+0	0	56°26'42"RT					MAYRA CHARI	91°39'45.2"	23°6'45"	
							27	27	4864	METAL ROAD				
145		95	95	DP+0	0	14°15'1"LT					DHAR DHARI	91°39'48.1"	23°6'44.6"	
							30							
146	76		LOC-95/1	SP+0	0									
							30	60	4924					
147	77	96	96	SP+0	0	2°17'26"LT					DHAR DHARI	91°39'48.1"	23°6'44.2"	SP WITH ANGLE
							40							
148			LOC-96/1	SP+0	0									
							40	80	5004					
149	78	97	97	SP+0	0	4°44'24"LT					DHAR DHARI	91°39'50.9"	23°6'43.8"	SP WITH ANGLE
							29	29	5033					
150	79	98	98	DP+0	0	25°34'23"LT					DHAR DHARI	91°39'51.9"	23°6'43.7"	
							40			METAL ROAD				
151	80		LOC-98/1	SP+0	0									
							39			METAL ROAD				
15[illegible]			LOC-98/2	SP+0	0									

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OWNER-T.S.E.C.L
CLIENT-P.G.C.I.L

DETAIL POLE SCHEDULE

LINK NAME: "132/33 KV PROPOSED SATCHAND S/S TO PROPOSED 33 KV RUPAICHARI S/S"

SL. NO.	AP.NO. AS PER ROUTE SURVEY	AP NO AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE (WGS-84)		REMARKS
												EASTING	NORTHING	
							23	102	5135	METAL ROAD				
153	81	99	99	FP+0	0	123°34'43"RT					DHAR DHARI	91°39'55.2"	23°6'44.9"	
							29	29	5164	METAL ROAD				
154	82	100	100	DP+4	4	42°57'25"LT					DHAR DHARI	91°39'55"	23°6'43.9"	
							32	32	5196	METAL ROAD, 2 NOS 11KV, LT LINE				
155	84	101	101	FP+4	4	73°18'47"LT					DHAR DHARI	91°39'55.6"	23°6'43"	
							27							
156			LOC-101/1	SP+0	0									
							27	54	5250					
157	85	102	102	DP+0	0	21°38'27"LT					DHAR DHARI	91°39'57.4"	23°6'43.4"	
							27	27	5277					
158		103	103	DP+0	0	18°23'38"LT					DHAR DHARI	91°39'58.2"	23°6'43.9"	
							25							
159	86		LOC-103/1	SP+0	0									
							25	50	5327					
160		104	104	DP+0	0	38°7'35"LT					DHAR DHARI	91°39'59.2"	23°6'45.2"	
							27	27	5354					
161	87	105	105	SP+0	0	7°54'15"LT					DHAR DHARI	91°39'59.2"	23°6'46.1"	SP WITH ANGLE
							26	26	5380					
162	88	106	106	DP+0	0	56°2'34"RT					DHAR DHARI	91°39'59.1"	23°6'47"	
							25	25	5405					
163		107	107	DP+0	0	48°2'43"RT					DHAR DHARI	91°39'59.7"	23°6'47.5"	
							31	31	5436					
164	89	108	108	DP+0	0	25°28'0"LT					DHAR DHARI	91°40'3.8"	23°6'47.4"	
							29	29	5465	METAL ROAD				
165	90	109	109	DP+0	0	38°2'58"RT					DHAR DHARI	91°40'1.8"	23°6'47.8"	
							27	27	5492	METAL ROAD				
166		110	110	SP+0	0	7°47'25"LT					DHAR DHARI	91°40'2.7"	23°6'47.5"	SP WITH ANGLE
							30	30	5522	METAL ROAD				
167	91	111	111	DP+0	0	24°52'40"RT					DHAR DHARI	91°40'1.6"	23°6'47.4"	
							45	45	5567	NALA				
168	92	112	112	FP+0	0	67°31'2"LT					DHAR DHARI	91°40'5"	23°6'46.5"	
							30	30	5597					
169	93	113	113	DP+2	2	29°17'18"RT					DHAR DHARI	91°40'5.9"	23°6'47"	
							29	29	5626	METAL ROAD, LT LINE				
170	94	114	114	DP+2	2	25°34'42"LT					DHAR DHARI	91°40'6.9"	23°6'47.1"	
							44			NALA				
171			LOC-114/1	SP+0	0									

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DETAIL POLE SCHEDULE

SL. NO.	AP.NO. AS PER ROUTE SURVEY	AP NO AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE (WGS-84) EASTING	NORTHING	REMARKS
							45	89	5715					
172	95	115	115	DP+0	0	15°26'22"LT					DHAR DHARI	91°40'9.6"	23°6'48.5"	
							39			METAL ROAD				
173	96		LOC-115/1	SP+0	0									
							39							
174			LOC-115/2	SP+4	4									
							39	117	5832	11KV				
175	97	116	116	DP+4	4	14°30'31"LT					SINDUK PATHAR	91°40'12.5"	23°6'51.2"	
							31	31	5863					
176	98	117	117	SP+0	0	6°41'31"LT					SINDUK PATHAR	91°40'13.1"	23°6'52.1"	SP WITH ANGLE
							29							
177			LOC-117/1	SP+0	0									
							29	58	5921					
178		118	118	SP+4	4	7°1'27"LT					SINDUK PATHAR	91°40'13.9"	23°6'53.8"	SP WITH ANGLE
							30	30	5951	METAL ROAD, 11KV				
179	99	119	119	DP+4	4	24°56'2"RT					SINDUK PATHAR	91°40'14.2"	23°6'54.7"	
							30	30	5981	METAL ROAD				
180	100	120	120	DP+0	0	16°27'36"RT					SINDUK PATHAR	91°40'14.9"	23°6'55.4"	
							30	30	6011					
181		121	121	DP+4	4	10°34'53"RT					SINDUK PATHAR	91°40'15.8"	23°6'55.9"	
							30	30	6041	11KV				
182	101	122	122	DP+4	4	22°9'41"LT					SINDUK PATHAR	91°40'16.8"	23°6'56.3"	
							30							
183			LOC-122/1	SP+0	0									
							30	60	6101					
184	102	123	123	DP+4	4	12°29'41"LT					SINDUK PATHAR	91°40'18.4"	23°6'57.5"	
							30	30	6131	11KV, METAL ROAD				
185	103	124	124	DP+4	4	35°53'36"RT					SINDUK PATHAR	91°40'19"	23°6'58.4"	
							40							
186			LOC-124/1	SP+0	0									
							40							
187			LOC-124/2	SP+0	0									
							40	120	6251					
188		125	125	SP+4	4	2°47'47"RT					SINDUK PATHAR	91°40'22.6	23°6'59.8"	SP WITH ANGLE
							28	28	6279	11KV				
189	104	126	126	DP+0	4	19°21'27"LT					SINDUK PATHAR	91°40'23.6	23°7'0"	
							26			LT LINE				
190			LOC-126/1	SP+4	4									

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DETAIL POLE SCHEDULE

	SL. NO.	AP.NO. AS PER ROUTE SURVEY	AP NO AS PER DETAILS SURVEY	POLE NO	TYPE OF POLE	EXT.	ANGLE OF DEVIATION	SPAN	SECTION. LENGTH	CUMLTV. LENGTH	CROSSING	VILLAGE NAME	GPS CO-ORDINATE (WGS-84)		REMARKS
													EASTING	NORTHING	
								28							
	191			LOC-126/2	SP+0	0									
								29	83	6362	METAL ROAD				
HOLD	192		127	127	DP+4	4	39°50'54"LT					SINDUK PATHAR	91°40'26.2"	23°7'1.6"	
								30	30	6392	METAL ROAD, 11KV, LT LINE				
	193	107	128	128	DP+4	4	13°27'11"RT					SINDUK PATHAR	91°40'26.5"	23°7'2.6"	
								30							
	194	108		LOC-128/1	SP+0	0									
								29	59	6451					
HOLD	195	109	129	129	DP+4	4	13°45'41"RT					SINDUK PATHAR	91°40'27.4"	23°7'4.3"	
								30	30	6481	METAL ROAD, 11KV, LT LINE				
	196		130	130	SP+4	4	5°9'32"LT					SINDUK PATHAR	91°40'28.1"	23°7'5"	SP WITH ANGLE
								27	27	6508					
	197		131	131	SP+0	0	8°57'41"RT					SINDUK PATHAR	91°40'28.7"	23°7'5.7"	SP WITH ANGLE
								44							
	198			LOC-131/1	SP+0	0									
								45	89	6597					
HOLD	199		132	132	DP+4	4	33°48'56"LT					SINDUK PATHAR	91°40'30.9"	23°7'7.8"	
								22	22	6619	METAL ROAD, 11KV, LT LINE				
	200		133	133	DP+4	4	28°41'58"RT					SINDUK PATHAR	91°40'31"	23°7'8.5"	
								40							
	201			LOC-133/1	SP+0	0									
								42							
	202	111		LOC-133/2	SP+0	0									
								36	118	6737					
	203		134	134	DP+0	0	54°55'34"LT					SINDUK PATHAR	91°40'33.7"	23°7'11.4"	
								44							
	204			LOC-134/1	SP+0	0									
								44							
	205	112		LOC-134/2	SP+0	0									
								44							
	206			LOC-134/3	SP+0	0									
								44	176	6913					
	207	113	135	135	FP+0	0						SINDUK PATHAR	91°40'32.1"	23°7'16.9"	

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KERPSIR-SATCHAND
APPROVED BY:
PTO

Pole schedule with normal pole and which are within permissible individual span limit & maxm limit of angle of deviation are approved

Put on hold all crossing spans—

road / NH crossings, powerline crossing, railway crossing, river crossing etc and spans violating the maxm individual span limit & maxm limit of angle of deviation.

separate detailed profile to be submitted for further approval of the above spans.

24/10/2012
(S.P.Sd)

M.C. Ram, Dy. Mgr. Satchand

Annexure 22

Enquiry Letter Land Value Construction of 33KV Substation- Taidu

GOVERNMENT OF TRIPURA
OFFICE OF THE SUB-DIVISIONAL MAGISTRATE
AMARPUR, GOMATI DISTRICT
Email ID-sdmamp3666@gmail.com
Tel No-03821-263226

NO.F.7 (23)/REV/LVC/SDM/AMP/2019-20/2676 Dated, 13/12/2021

To
The Teshilder
Taidu, TK
Amarpur, Gomati District.

Subject:-Enquiry report regarding for the assessment of Land Value (prevailing market rate) against the utilization of land for the work " Construction of 33KV Sub-Station, at Taidu , Gomati District under NESIDS" & sending thereof.

Sir,

Please find enclosed herewith a copy of letter Vide No.F.230/SM/TCSD/139-42, dated 30/11/2021 from the office of the Sr. Manager Transmission Civil Sub-Division 79-Tilla, Agartala West Tripura regarding for the assessment of Land Value (prevailing market rate) against the utilization of land for the work " Construction of 33KV Sub-Station, at Taidu , Gomati District under NESIDS" of Mouja –West Taichalong, Khatian No-263/1, RS Plot No-1221, & Khatian No-263/2, RS Plot No-1222, 1218, 1217 & 1216 and RS Plot No-1211 is a Govt. Khas land.

In this regards, you are hereby directed to enquire into the matter and submit the factual report within next 05(Five) days to the office of the undersigned.

Yours faithfully,

13/12/21

Sub-Divisional Magistrate
Amarpur, Gomati District

Encl:- As stated original copy

TRIPURA STATE ELECTRICITY CORPORATION LIMITED
(A Govt. of Tripura Enterprise)

[illegible] 159-42

Dt. 30/11/2021

The Sub-Divisional Magistrate
Amarpur Sub-Division
Amarpur, Gomati Tripura

Subject.-Request for the assessment of land value (prevailing market rate) against the utilization of land for the work " Construction of 33/11 KV Sub-Station, at Taidu, Gomati District under NESIDS."

Sir/Madam,

You are requested for assessment of land value (as per prevailing market rate) against the utilization of land for the work Construction of 33 KV Sub-Station, at Taidu, Gomati District under NESIDS funded by the World Bank and Govt. of India. In this regard a land (dag. no.1221,1222, 1218, 1217, 1216, 1211, Moja- West Taichalong, Katian no. 263, Sheet no.03) has been selected at Taidu area by the TSECL and necessary communication have been made with the land owners/occupiers and they agree to give the land in return of compensation of the land.

Therefore, you are requested to assess of land value of the said lands (as per prevailing market rate) against the utilization of land so that TSECL can compensate and complete the project at the earliest.

This is for kind information and necessary action from your end please.

Yours faithfully,

30.11.21

Sr. Manager
Transmission Civil Sub- Division
79-Tilla, Agartala.

Copy to:-

1. The AGM, TC, 79-tilla, Agartala, for kind information please.
2. The DGM, Transmission Division, Bandoar, Udaipur for kind information please.
3. The DGM (Civil), Tansmission Circle, 79 tilla, Agartala.

30.11.21

Sr. Manager
Transmission Civil Sub- Division

OFFICE OF THE SENIOR MANAGER, TRANSMISSION CIVIL SUB-STATION, 79-TILLA, AGARTALA, WEST TRIPURA