

**COMPENSATION PLAN FOR TEMPORARY
DAMAGES (CPTD)
FOR
T & D NETWORK IN TINSUKIA AND
DIBRUGARH DISTRICTS IN ASSAM**



Prepared By

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For

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&
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LIST OF ABBREVIATIONS

AC	:	Autonomous Council
AEGCL	:	Assam Electricity Grid Company Limited
AP	:	Affected Person
APDCL	:	Assam Power Distribution Company Limited
CEA	:	Central Electricity Authority
Ckt-Km	:	Circuit-kilometer
CGWB	:	Central Ground Water Board
CP	:	Compensation Plan
CPTD	:	Compensation Plan for Temporary Damages
CPIU	:	Central Project Implementation Unit
CRM	:	Contractor Review Meeting
DC	:	District Collector
D/c	:	Double Circuit
DL	:	Distribution Line
DM	:	District Magistrate
DMS	:	Distribution Management System
EHV	:	Extra High Voltage
EHS	:	Environment Health & Safety
EMP	:	Environment Management Plan
E&S	:	Environmental & Social
ESPP	:	POWERGRID's Environmental and Social Policy & Procedures
ESPPF	:	AEGCL & APDCL's Environmental and Social Policy & Procedures Framework
GoI	:	Government of India
GRC	:	Grievance Redress Committee
GRM	:	Grievance Redress Mechanism
Ha	:	Hectare
HPC	:	High Powered Committee
IA	:	Implementing Agency
INRs	:	Indian National Rupees
IP	:	Indigenous People
IR	:	Involuntary Resettlement
JCC	:	Joint Coordination Committee
kV	:	Kilo volt
Km	:	Kilometer
LA	:	Land Acquisition
MCM	:	Million Cubic Meter
MoP	:	Ministry of Power
M&E	:	Monitoring and Evaluation
NoC	:	No Objection Certificate
NER	:	North Eastern Region
NERPSIP	:	North Eastern Region Power System Improvement Project
O&M	:	Operation and Maintenance
OP	:	Operational Policy
PAP	:	Project Affected Person
POWERGRID	:	Power Grid Corporation of India Limited
PPIU	:	PMC Project Implementation Unit
RFCTLARRA	:	The Right to Fair Compensation and Transparency in Land, Acquisition, Rehabilitation and Resettlement Act, 2013
RoW	:	Right of Way

RP	:	Resettlement Plan
R&R	:	Resettlement and Rehabilitation
S/c	:	Single Circuit
SC	:	Scheduled Caste
Sq.m.	:	Square Meters
SMF	:	Social Management Framework
SPCU	:	State Project Coordination Unit
ST	:	Scheduled Tribe
T & D	:	Transmission & Distribution
TL	:	Transmission Line
USD	:	United States Dollar
WB	:	The Word Bank

GLOSSARY

Regional Council/Autonomous District Council/ Village Council	:	An autonomous body/institution formed under the provisions of 6th Schedule of Constitution of India which provides tribal people freedom to exercise legislative, judicial, executive and financial powers.
Village Headman	:	Elected head of the Village Council
Zila/District	:	It is the first administrative division at the State level.
Sub-division	:	A revenue sub-division, within a district
Block	:	An administrative sub-division within a district
Panchayat	:	The third tier of decentralized governance

EXECUTIVE SUMMARY

i. The Compensation Plan for Temporary Damages (CPTD) has been prepared for Transmission & Distribution (T & D) network in Tinsukia and Dibrugarh districts of Assam State under the North Eastern Region Power System Improvement Project (NERPSIP) which is being funded by Govt. of India (GoI) and the World Bank (WB). The Implementing Agency (IA) is Power Grid Corporation of India Limited (POWERGRID). The CPTD is guided by laws and regulations of the Government of India/ State Govt viz. The Electricity Act, 2003, The Indian Telegraph Act, 1885, MoP guidelines Oct.' 2015 on RoW Compensation, Assam Electricity Grid Corporation Limited (AEGCL)/ Assam Power Distribution Company Limited (APDCL)'s Environmental and Social Policy & Procedures Framework (ESPPF) and World Bank's Operational Policies.

ii. The project components include construction of 93.5 km of 220/132 kV line and 42.71 km of 33 kV line along with associated new/extension of transmission & distribution substations in Tinsukia and Dibrugarh district of Assam. The present CPTD has been prepared based on the detailed survey/ investigation. However, the temporary impacts on land and loss of crops/trees occurred only during the project implementation/construction. Therefore, the CPTD remains as draft, as actual temporary impacts on crop/tree including details of Affected Persons (AP) shall be ascertained during check survey and tower spotting once the construction contractor is mobilized for implementation. AEGCL & APDCL/ POWERGRID¹ provide compensation for actual damages after assessment by revenue authority. Check survey is done progressively during the construction of the transmission/distribution line. Normally the work is done in off season when there is no standing crop. The compensation for damage is assessed in actual after construction activities of transmission/distribution lines in three stages i.e. after completion of foundation, tower erection and stringing of conductor. The payment of compensation may also be paid in three instances, if there are different damages during all the above three activities. Assessment of damages at each stage and payment of compensation is a simultaneous and continuous activity. Hence, CPTD updation will be a continuous process during construction of line for which updated semi-annual CPTD monitoring report shall be submitted by AEGCL & APDCL/POWERGRID.

iii. The project components under the scope of present CPTD include following transmission/ distribution lines and associated substations;

A. Transmission System Components:

1. Rupai – Chapakhowa 132 kV S/C on D/C line – **44. 0 km.**

¹ For the purpose of CPTD, AEGCL/APDCL and POWERGRID may be referred as SPCU and PPIU respectively. For further details, please refer chapter-vii on institutional arrangements.

2. Tinsukia - Behiating (New Dibrugarh) 220kV D/C line – **49.5 km.**
3. Establishment of 220/132 kV new substation at **Behiating** & 132/33 kV new substation at **Chapakhowa** and Extension of 132/33 kV existing substation at **Rupai**

B. Distribution System Components:

1. Chapakhowa (New) to Chapakhowa (Existing) substation 33kV line – **2.617 km.**
2. Dibrugarh (Existing) to Romai (New) substation 33kV line – **17.277 km.**
3. Behiating (New) to Bogibil (New) substation 33kV line – **13.476 km.**
4. Behiating (New) to Dibrugarh (New) substation 33kV line – **9.341 km.**
5. Establishment of 33/11 kV new substation at **Romai, Bogibil, Dibrugarh** and Strengthening of 33/11 kV existing substation at **Chapakhowa.**

iv. As per existing law, land for tower/pole and right of way is not acquired² and agricultural activities are allowed to continue after construction activity. Land requirements for erecting tower/poles for transmission/ distribution lines are just minimal. All it requires is to place the foot, four of which warrants an area of 4-6 sq- ft. Thus, the actual impact is restricted to 4 legs of the tower. Further, line alignments are done in such a way so as to avoid settlements and / or structures and hence no relocation of population on account of Transmission Line (TL)/Distribution Line (DL) is envisaged. Most of the impacts are temporary in nature in terms of loss of standing crops/trees and other damages for which compensation will be paid to the affected persons/ community for all damages including cost of land for tower base and RoW corridor to its owner without acquiring it as per the laws and provisions laid in ESPPF accompanied by MoP guidelines, as Assam has already adopted MoP guidelines for land compensation vide notification dated 10.03.2017.

v. For the temporary loss of crops, only agricultural land and private plantation land are considered for estimation. Though Right of Way (RoW) for 220 kV, 132 kV & 33 kV line are 35 meter, 27 meter & 15 meter respectively but average affected width/corridor would be limited to maximum 27 meter for 220 kV, 20 meter for 132 kV & 10 meter for 33 kV line. Accordingly, actual impacted area for crops and other damages worked out to be approx. 584.535 acres. Total number of trees likely to be affected during construction of lines is 5474 including 2000 nos. of Tea bushes. Private trees will be compensated as per the entitlement matrix. The total number of affected persons is estimated to be 1832.

v. Public participation and community consultations have been taken up as an integral part of the project's social and environmental assessment process. Public is informed about the project at every stage of execution. During survey also AEGCL/APDCL & POWERGRID's site officials meet

² As per the present provision in the Electricity Act, 2003 read with relevant provisions of Indian Telegraph Act, 1885 all the damages without acquisition of subject land) accrued to person while placing the tower and line are to be compensated.

people and inform them about the routing of transmission line. During the construction, every individual, on whose land tower is erected and people affected by RoW, are consulted. There were many informal group and public consultation meetings conducted during survey of the entire routes of transmission/distribution lines and substation site. The process of such consultation is to be continued during project implementation and even during Operation & Maintenance (O&M) stage. The draft/summary CPTD will be disclosed to the affected households and other stakeholders by placing it on website. AEGCL/APDCL & POWERGRID's site/field officials visit construction sites frequently during construction and meet with APs and discuss about norms and practices of damages and compensation to be paid for them. The executive summary of the CPTD and Entitlement Matrix in local language will be placed at construction offices/sites.

vi. Grievance Redress Mechanism (GRM) is an integral part of project implementation, operation and maintenance stage of the project. For handling grievance, Grievance Redress Committee (GRC) has been established at two places, one at the project/scheme level and another at corporate/head quarter level. The GRCs include members from AEGCL/APDCL, POWERGRID, Local Administration, Village Panchayat Members, Affected Persons representative and reputed persons from the society and representative from the autonomous districts council in case of tribal districts selected/decided on nomination basis under the chairmanship of project head. The composition of GRC disclosed in Panchayat/village council office and concerned district headquarter for wider coverage. In case of any complaint, GRC meeting shall be convened within 15 days. If project level GRC is not able to take decision it may refer the complaint to corporate GRC for solution. GRC endeavors to pronounce its decision within 30-45 days of receiving grievances. In case complainant/appellant is not satisfied with the decision of project level GRC they can make an appeal to corporate GRC for review. The proposed mechanism does not impede access to the country's judicial or administrative remedies at any stage. Further, grievance redressal is also inbuilt in the tree/crop 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 also provides forum for raising the grievance towards any irregularity/complaint.

vii. The CPTD is based on the World Bank Safeguard Policies as well as AEGCL & APDCL's ESPPF and law of the land. Being a transmission project, the relevant national laws applicable for this project are (i) The Electricity Act, 2003 and (ii) The Indian Telegraph Act, 1885 and (iii) Govt. of Assam notification on RoW Compensation dated 10th March 2017. The compensation principles

adopted for the project shall comply with applicable laws and regulations of the Governments of India, AEGCL & APDCL's ESPPF as well as World Bank Safeguard Policies.

viii. APs will be entitled for compensation for temporary damages to crops/trees/structures etc. as per the Entitlement Matrix given in **E-1**. Temporary damage will occur during construction of transmission/distribution lines for which compensation is paid as per relevant norms. All APs are paid compensation for actual damages irrespective of their religion, caste and their economic status. There is one time lump sum assistance to vulnerable households on recommendation of State Authority. As an additional assistance, construction contractors are encouraged to hire local labour that has the necessary skills. AEGCL & APDCL/IA will provide compensation to all APs including non-title holders as already mentioned in the Entitlement Matrix.

E-1: Entitlement Matrix

Sl.	Type of Issue/ Impact	Beneficiary	Entitlement Options
1.	Land area below tower base (#)	Owner	100% land cost at market value as ascertained by revenue authorities or based on negotiated settlement without actual acquisition/title transfer.
2	Land coming in corridor of width of Right of Way (#)	Owner	15% of land cost as decided by Deputy Commissioner
3.	Loss/damage to crops and trees in line corridor	Owner/ Tenant/ sharecropper/ leaseholder	Compensation to actual cultivator at market rate for crops and 8 years income for fruit bearing trees*. APs will be given advance notice to harvest their crops. All timber* will be allowed to retain by the owner.
4.	Other damages (if applicable)	All APs	Actual cost as assessed by the concerned authority.
5.	Loss of structure		
(i)	House	Titleholders	Cash compensation at replacement cost (without deduction for salvaged material and depreciation value) plus Rs. 25,000/- assistance (based on prevailing GOI norms for weaker section housing) for construction of house plus transition benefits as per category-5 below.
(ii)	Shop/ Institutions/ Cattle shed	Individual/ Titleholders	Cash compensation plus Rs. 10000/- for construction of working shed/shop plus transition benefits as per category-5 below
6.	Losses during transition under (i) & (ii) above for Shifting / Transport	Family/unit	Provision of transport or equivalent cash for shifting of material/ cattle from existing place to alternate place

Sl.	Type of Issue/ Impact	Beneficiary	Entitlement Options
7.	Tribal/ Vulnerable APs	Vulnerable APs ³	One time additional lump sum assistance not exceeding 25% of total compensation on recommendation of State Authority/ADC/VC.

(#) Since Govt. of Assam has adopted MoP guidelines vide notification dated 10.03.17, compensation toward damages in respect to RoW shall be paid as per norms.

** Assistance/help of Forest department for timber yielding trees and Horticulture department for fruit bearing trees shall be taken for assessing the true value.*

ix. No physical displacement is envisaged in the proposed project. Major damages in transmission/distribution line are not envisaged due to flexibility in routing of line. Displacement of structures is normally not envisaged in the transmission line projects. However, whenever it is necessary, compensation for structures as decided by committee based on government norms and entitlement matrix shall be provided. A notice for damage is issued to APs and the joint measurement by AEGCL & APDCL/ POWERGRID and APs is to be done and verified by revenue official for actual damages. Hence, compensation is paid parallelly with the construction activity of transmission/distribution line. The cost estimate for the project includes eligible compensation for loss of crops, trees, and support cost for implementation of CPTD, monitoring, other administrative cost etc. This is a tentative budget which may change during the original course of implementation. The total indicative cost is estimated to be INR 2251.17 Lakhs equivalent to USD 3.196 million.

x. The implementation and monitoring are critical activities which shall be followed as per Implementation Chart/Schedule provided in Chapter-X. POWERGRID will be the Implementing Agency (IA) for the Project. For the day to day implementation of Project activities, PMC Project Implementation Units (PPIUs) located in each participating State, has been formed including members of Utility on deputation, with its personnel being distributed over work site & working in close association with the State Project Coordination Unit (SPCU) / Central Project Implementation Unit (CPIU). PPIU report to State level "Project Manager" nominated by the Project-in-Charge of IA. The IA will have a Core team stationed at the CPIU on permanent basis and other IA officers (with required skills) will visit as and when required by this core team. This team shall represent IA and shall be responsible for all coordination with SPCU, PIU, within IA and MoP, GoI. CPIU shall also assist MoP, GoI in monitoring project progress and in its coordination with The Bank.

xi. Public consultation and internal monitoring will be continued in an intermittent basis for the entire duration of project. Monitoring will be the responsibility of both AEGCL/APDCL & IA. AEGCL & APDCL/ POWERGRID will submit semi-annual monitoring reports on their implementation performance and submit the reports to The World Bank. If required,

³ Vulnerable APs include scheduled tribes residing in scheduled areas/ physically handicapped/ disabled families etc.

I. INTRODUCTION AND PROJECT DESCRIPTION

1.1. Project Background

1. Recognizing that intrastate T&D systems in the North Eastern States (NER) states have remained very weak and that there is a critical need to improve the performance of these networks, the Central Electricity Authority (CEA) developed a comprehensive scheme 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 GoI's 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.

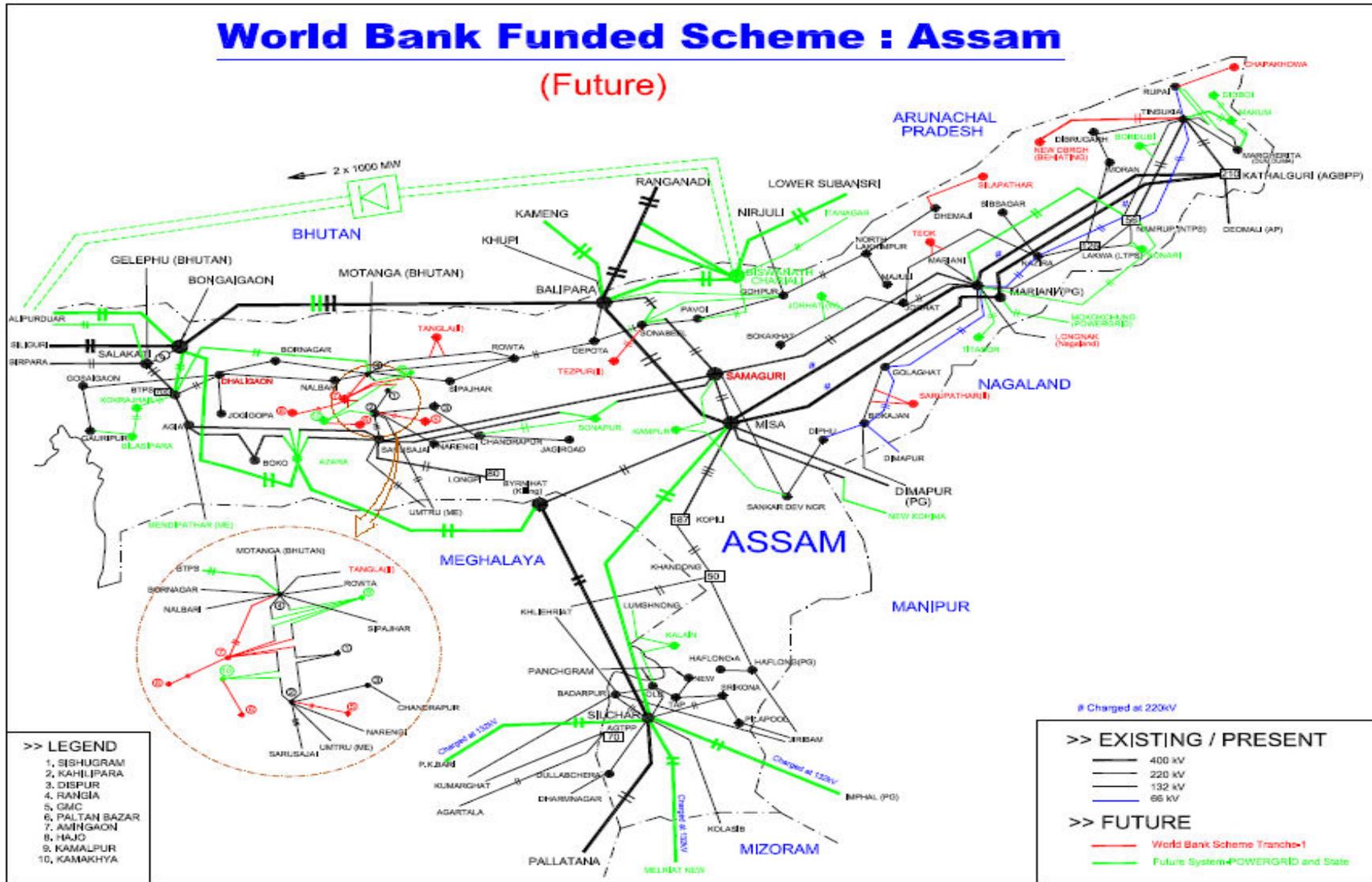
2. GoI requested for World Bank's support in implementing a set of priority investments in six NER states. In 2016, the World Bank (WB) has approved a loan (IBRD 470 USD Million) to the Government of India (GoI) for North Eastern Region Power System Improvement Project (NERPSIP) which aims to create a robust intrastate transmission and distribution network in all the six (6) North Eastern States including Assam. The project being funded on 50:50 (World Bank loan: GoI) basis except the component of capacity building for Rs.89.00 crore, which GoI will bear entirely. The scheme is to be taken up under a new Central Sector Plan Scheme of MoP..

3. Ministry of Power, GoI has appointed POWERGRID as Implementing Agency (IA) to six North Eastern States for the said project. 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 of assets.

4. The project will be implemented over a seven-year period and 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.

5. The scope of work under NERPSIP in state of Assam include construction of 376 km of 220/132 kV transmission lines & associated 11 nos. new substations and 479 ckm of 33 kV distribution lines & 16 nos. substation along with augmentation & strengthening of transmission and sub-transmission spread across the State. The power map of Assam indicating the existing intrastate transmission network along with proposed project under Tranche-1 of NERPSIP is presented in **Figure 1.1**.

Figure 1.1 : Power Map of Assam along with proposed project



1.2. Project Components

6. The project components under the scope of present CPTD include following transmission/ distribution lines and associated Transmission & Distribution substations proposed in Tinsukia and Dibrugarh district of Assam State;

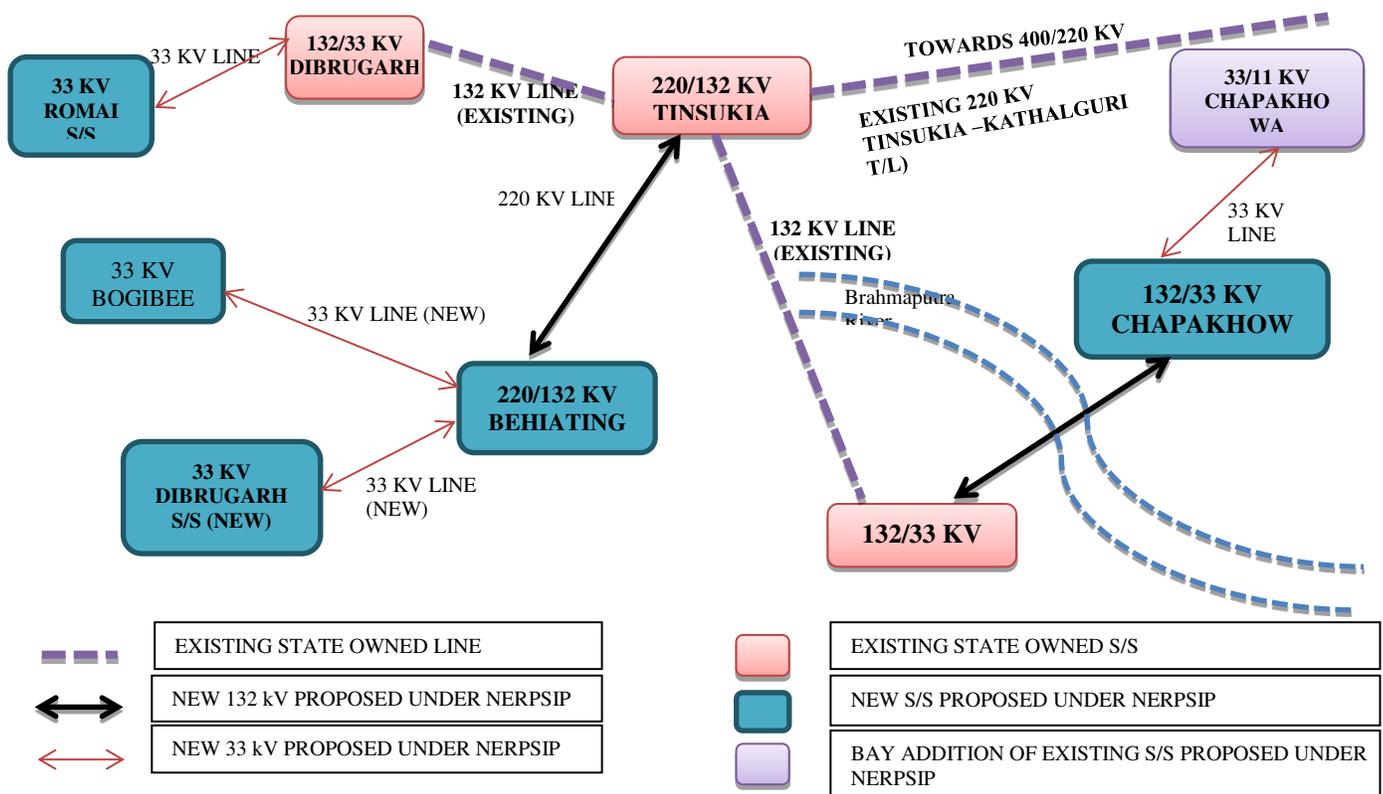
A. Transmission System:

1. Rupai – Chapakhowa 132 kV S/C on D/C line – **44.0 km**.
2. Tinsukia - Behiating (New Dibrugarh) 220kV D/C line – **49.5 km**.
3. Establishment of 220/132 kV new substation at **Behiating** & 132/33 kV new substation at **Chapakhowa** and Extension of 132/33 kV existing substation at **Rupai**.

B. Distribution System :

1. Chapakhowa (New) to Chapakhowa (Existing) substation 33kV line – **2.617 km**.
2. Dibrugarh (Existing) to Romai (New) substation 33kV line – **17.277 km**.
3. Behiating (New) to Bogibil (New) substation 33kV line – 13.476 km.
4. Behiating (New) to Dibrugarh (New) substation 33kV line – 9.341 km.
5. Establishment of 33/11 kV new substation at **Romai, Bogibil, Dibrugarh** and Strengthening of 33/11 kV existing substation at **Chapakhowa**.

7. The schematic diagram of proposed transmission and distribution network in Dhemaji District is shown below:



1.3. Objective of Compensation Plan for Temporary Damages (CPTD)

8. The primary objective of the CPTD is to identify impacts/damages and to plan measures to mitigate losses likely to be caused by the projects. The CPTD is based on the general findings of field visits, preliminary assessments and meetings with various project-affected persons in the project areas. The CPTD presents (i) introduction and project description (ii) socio-economic information and profile (iii) legal & regulatory framework (iv) project impacts,(v) entitlement, assistance and benefit (vi) information disclosure, consultation and participation (vii) institutional arrangements (viii) grievance redress mechanism (ix) budget (x) implementation schedule & (xi) monitoring and reporting. The CPTD is guided by The Electricity Act 2003, The Indian Telegraph Act, 1885, Govt. of Assam notification dated 10th March 2017 for payment of compensation towards damages in regards to right of way for transmission line, AEGCL/APDCL's ESPPF and World Bank's Safeguard Policies.

1.4. Scope and Limitation of the CPTD

9. Based on the assessment of proposed project components and intervention, it has been established that there will be no permanent land acquisition required and the anticipated project impacts are temporary in nature in terms of impacts on land and loss of standing crops/trees only. The present CPTD has been prepared based on the detailed survey/ investigation. However, the temporary impacts on land and loss of crops/trees occurred only during the project implementation/construction. Therefore, the CPTD remains as draft, as actual temporary impacts on crop/tree including details of Affected Persons (AP) shall be ascertained during check survey and tower spotting once the construction contractor is mobilized for implementation. AEGCL/ APDCL/ POWERGRID⁴ provide compensation for actual damages after assessment by revenue authority. Check survey is done progressively during the construction of the transmission/distribution line. Normally the work is done in off season when there is no standing crop. The compensation for damage is assessed in actual after construction activities of transmission/distribution lines in three stages i.e. after completion of foundation, tower erection and stringing of conductor. The payment of compensation shall be paid in three instances, if there are different damages during above all the three activities. Assessment of damages at each stage and payment of compensation is a simultaneous and continuous activity. Hence, CPTD updation will be a continuous process during construction of line for which updated semi-annual CPTD monitoring report shall be submitted by AEGCL & APDCL/POWERGRID.

⁴ For the purpose of CPTD, AEGCL/APDCL and POWERGRID may be referred as SPCU and PPIU respectively. For further details, please refer Chapter - VII Institutional arrangements.

1.5. Measures to Minimize Impact

10. In keeping with provisions of ESPPF and Bank's Safeguard Policies, State Utilities/ POWERGRID has selected and finalised the routes of transmission line with due consideration of the avoidance or minimization of impacts toward temporary damages on crops/ trees/ structures, if any coming in the Right of Way (RoW) during construction. Similarly, the route of all the 33 KV distribution lines are mostly selected /finalized along the existing roads (PWD roads/Village roads etc.) involving minimum habituated areas and also through agricultural and barren lands wherever possible. Further field visits and public consultations helped in developing the measures towards minimizing negative social impacts, if any.

11. For transmission/distribution line there is no permanent land acquisition involved as per applicable legal framework i.e. in exercise of the powers under Indian Telegraph Act-1885, Part 3, section 10 to 16 conferred under section 164 of the Electricity Act, 2003 through Power (Electricity) Department, Govt. of Assam vide notification dated 16th March, 2016, AEGCL/APDCL has the mandate to place and maintain transmission lines under/ over/ along or across and posts in or upon, any immoveable property. However, clause 10 (d) of same act stipulates that the user agency shall pay full compensation to all interested for any damages sustained during the execution of said work. Therefore, State Utilities/ POWERGRID have developed a procedure which is designed to minimize impacts, during the preliminary survey/ investigation (for screening & scoping of the project with at least 3 alternative route alignments), thereafter during detailed survey (spot)/design followed by foundation work, tower erection and during the stringing of conductors.

12. All tower foundations and tower footings are dug and laid, including transportation of material and land clearance, generally at the end of a crop season to avoid impacts on cultivations and need for compensation. After construction of transmission towers, farmers are allowed to continue agricultural activity below tower.

13. Because the concrete needs time to dry and settle, all towers are erected normally three weeks after casting of foundation. Thus, both foundation and erection works are generally completed in one gap between two crop seasons.

14. Given the limited time needed for the stringing, the latter can be done right after the tower construction, before the following crop season.

15. For this reason no household is significantly affected due to the project. Thus, productive loss due to construction is negligible. However, due care shall be taken to avoid damages to crop/trees by taking up the construction activities during lean period or post-harvest season. As per the prevailing norms farming activity shall be allowed after the construction work is completed. All affected farmers will be compensated for all sorts of damages during construction as per the laid down procedure.

1.6. Route Selection and Study of Alternatives

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

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

17. In order to achieve this, AEGCL & APDCL/POWERGRID undertakes route selection for individual line in close consultation with representatives of concerned Forest Department and the Department of Revenue. Although under the law, State Utilities have the 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.

- a. As a rule, alignments are generally cited away from major towns, whenever possible, to account for future urban expansion.
- b. 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.
- c. Alignments are selected to avoid wetlands and unstable areas for both financial and environmental reasons.

18. In addition, care is also taken to avoid National Parks and Wildlife Sanctuaries and any other forest area rich in wildlife. Keeping above in mind the route of proposed lines have been so aligned that it takes care of above factors. As such different alternatives were studied with the help of Govt. published data like Forest atlas, Survey of India topo maps, satellite imageries etc. to arrive at most optimum sections of the route which can be taken up for detailed survey and assessment of environmental & social impacts for their proper management.

19. The comparative details of three alternatives in respect of proposed lines are presented in **Annexure-1**.

II. SOCIOECONOMIC INFORMATION AND PROFILE

2.1. General

20. The socio-economic profile of the project area is based on general information collected from various secondary sources. As the assets of any sorts will not be acquired but for temporary damage to crops/trees or any other structures adequate compensation as per norms shall be paid to all APs. This chapter provides broad socio-economic profile in terms of demography, literacy, employment and other infrastructure etc. in the State of Assam and Tinsukia & Dibrugarh district in particular through which the various lines will traverse. Following section briefly discuss socio-economic profile.

2.2. Socio-Economic Profile

2.2.1. Land Use Pattern Assam

21. Assam has a geographic area of 7.84 million ha, which constitutes 2.39% of the country's total area. It is situated between latitude 24°07' to 28°00' N and longitude 89° 42' to 96° 02'E. Topographically, the State can be divided into three parts, viz. the Brahmaputra valley, the Surma valley and the Assam range. The first two parts are plain areas, while the Assam range is a mountainous region. The general land use pattern of the State is given in **Table 2.1**.

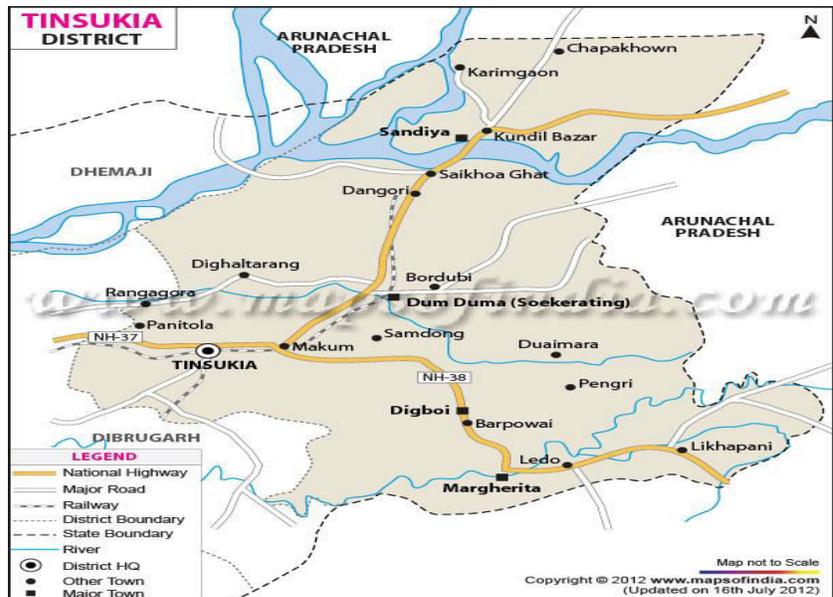
Table-2.1: Land Use Pattern of Assam

Land Use	Area in '000 ha	Percentage
Total geographical area	7,844	
Reporting area for land utilization	7,850	100.00
Forests	1,853	23.60
Not available for cultivation	2,620	33.37
Permanent pastures and other grazing lands	160	2.04
Land under misc. tree crops & groves	196	2.49
Culturable wasteland	78	0.99
Fallow lands other than current fallows	52	0.66
Current Fallows	81	1.03
Net area sown	2,811	35.80

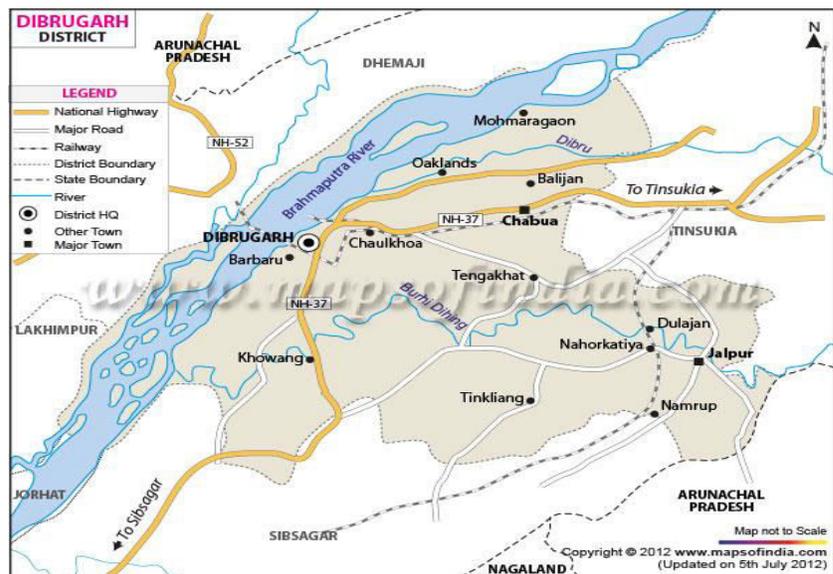
Source: Land use statistics, Ministry of Agriculture, GOI, 2011-12

2.2.2 Tinsukia and Dibrugarh District

22. The Tinsukia district occupies an area of 3790 sq. km. The district extends from 27°23' N to 27° 48' N and 95°22' E to 95°38'E. It is located in the upper region of Assam and is bounded by Arunachal Pradesh in east-south, by Dibrugarh District in south-west and by Dhemaji District in the north, which is separated from Tinsukia District by Brahmaputra River.



23. Dibrugarh district occupies an area of 3,381 sq.km. The district extends from 27°5' 38" N to 27° 42' 30" N and 94°33'46"E to 95°29'8"E . It is located in the north eastern corner of the Upper Brahmaputra valley and bounded by Dhemaji district on the North, Tinsukia district on the East, Tirap district of Arunachal district on the South-East and Sibsagar district on the North and South-West with an altitude ranging between 99 and 474 meters.



2.2.2.1 Climate

24. Assam has four well defined seasons in a year viz. summer, monsoon, winter and spring. Climate of Assam is sub-tropical. October to April offer a mild and moderate climate. Assam is never extremely cold or hot. Rainfall, one of the highest in the world (between 178 and 305 cm), is concentrated in 4 months, June to September. The State experiences floods and droughts. Annual

rainfall varying from 1,500 mm to 3,750 mm. The average temperature in January ranges from 10°C to 23° C and in July it ranges from 26° C to 32° C.

25. The climate of the present sub-project areas districts is more or less similar with the climate of the State. The climate of Tinsukia is mild, and generally warm and temperate. The rainfall in Tinsukia is significant, with precipitation even during the driest month. The annual average temperature and rainfall of the district is 23.1 °C and 2679 mm respectively. Dibrugarh district experiences subtropical monsoon climate with mild winter, warm and humid summer. The annual average temperature and rainfall of the district is 23.9 °C and 2560 mm respectively.

2.2.2.2 Water Resources:

26. Brahmaputra Basin comprises of sub-basin of Subansiri, Jia Bharali, Badeng-Pubnoi, Dhansiri, Anas, Champamati, Dholai, Buridihing, Disang, Kopili, Kalang and Meghna Basin comprises of sub- Basin of Barak River. Assam is dominated by the Brahmaputra river (length: 2900 km). Its drainage area is roughly 935,500 sq. km.

27. The major rivers flowing through sub-projects area districts are Brahmaputra River, Lohit River, Buri Dehing River and Dibru River. In the instant scheme, one of the line i.e. 132 kV Rupai - Chapakhowa line has to cross Lohit river near the Dhola bridge. However, all possible efforts shall be made to avoid placing of tower in the river bed while crossing the river.

2.2.2.3 Soil

28. Mainly three types of soil found in Assam State viz. Alluvial, Red Loam, and Lateritic Soil. Alluvial Soil covers entire Darrang, Kamrup, Lakhimpur, Goalpara, Sibsagar and part of Garo Hills. Red Loam Soil is found in Garo Hills, Mizo Hills, Khasi-Jaintia Hills and part of Cachar & Sibsagar district. Lateritic Soil found in part of Shibsagar, Jaintia Hills, Khasi Hills, Cachar, Nowgaon area. The most typical characteristics of Assam soil is acidity, where pH of the soils generally ranges between 4.2 to 5.8. The soil found in the subproject area is mostly alluvial type.

2.2.2.4 Ecological Resources

29. The protected area found in the subproject districts are Dibru-Saikhowa National Park which is also a Biosphere reserve, Bherjan-Borajan-Padumoni & Dihing-Patkai Wildlife Sanctuary and Dihing Patkai Elephant Reserve, However, the proposed transmission and distribution network doesn't pass through any protected area like national parks, sanctuaries, elephant

reserves/corridors and biosphere reserves etc. In the instant scheme all such areas are completely avoided through careful route selection. It is also observed that there is no ecologically sensitive area within a radius of 10 Km from the transmission and distribution lines proposed under this scheme. The nearest protected area is “Dibru-Saikhowa National Park which is located approx.16 km away from one of the subproject namely 132 kV Rupai-Chapakhowa transmission line alignment.

2.2.2.5 Crops

30. Agriculture plays the chief role of revenue earning in Assam economy. The State of Assam experiences plenty of rainfall and possesses a fertile land which is extremely advantageous for cropping. This has led to the flourishing growth in food crops and staples in Assam agriculture. Rice is the main food crop in Assam agriculture as it is the main diet in the state too. Those who are engaged in the agricultural department of Assam fully concentrates on cultivating rice as it falls under their main priority. Other food crops cultivated in Assam agriculture include jute, sugarcane, fruits, tea, pulses, coconut, potatoes, cotton, and arecanuts. More than 50 percent of the total population of the state are involved in agricultural activities of Assam.

2.2.2.6 Human and Economic Development

31. Assam is a state rich in natural resources like natural oil, natural gas, coal, rubber, tea and some minerals like granite, limestone and kaolin. The present state is much smaller than what it was forty years ago. It is still the largest economy in the North East. Although it is more industrially developed than the other North Eastern states, it is primarily an agrarian economy with 63% of its population engaged in agriculture and allied activities.

32. In Tea is a major industry in Assam which contributes 15 % of world's tea production and 55% of the country's tea output. A large section of the labor force of the State is employed in the tea estates of Assam. The other agricultural produce involves rice, sugarcane, pulses, potatoes and jute. The secondary sector of the economy comprises of the industries in Assam with large and medium scale productions. Agro based industries prevail in the State coupled with the tea industry that has a major contribution to the economy of the State of Assam. Assam is first State in the country where oil was struck in 1889 at Digboi. Assam has four oil refineries located at Guwahati, Digboi, Numaligarh and Bongaigaon with a total capacity of 7 MMTPA (Million Metric Tonnes per annum).The State also earns revenue from the mining industry that produces the four important industrial minerals of coal, limestone, sillimanite and oil. Important cottage industries are

handloom, sericulture, manufacture of cane and bamboo articles, carpentry, smithy and manufacture of brass utensils. Assam is also the largest producer in the world of the golden colored muga silk.

33. Tinsukia is an industrial district of Assam. The Oldest oil refinery in India is situated at Digboi and places like Margherita and Ledo are famous for open cast coal mining. Tinsukia is one of the premier commercial centres in Assam. It produces a sizeable amount of tea, oranges, ginger, other citrus fruits and paddy (rice). The district also has a cosmetic plant of Hindustan Unilever (HUL). Tea and oil are the major revenue earners for the district.

34. Dibrugarh district has the world's largest area covered by tea gardens. The entire district is surrounded by tea plantations and has tea factories. Many tea gardens are more than 100 years old. The entire district has many oil and natural gas rigs owned by the Oil India Limited and Oil and Natural Gas Corporation Limited. The headquarters of Oil India Limited is located in Duliajan, a town 50 km from Dibrugarh town. The majority of the populations are occupied in farming of rice, sugar-cane, pulses, and fish farming. Beside these many rice and oilseed mills exist. Also there are some coal mining and petroleum production industries. Major industrial units like Brahmaputra Crackers and Polymers Limited (BCPL) has also come up in the district.

2.2.3 Demography Features

2.2.3.1. Total Population

35. Total population in Assam stands at 3,12,05,576 of which 2,68,07,034 (85.90%) population belong to rural area and 43,98,542 (14.10%) population belong to urban area. Tinsukia district has a total of 13,27,929 populations which is 4.26% of state population. The rural and urban population constitute 80.06% and 19.94% of total populations of this district. Dibrugarh district has a total of 13,26,335 populations which is 4.25% of state population, where the rural and urban population constitute 80.06% and 19.94% of total populations of the district respectively. Details are given in **Table 2.2**.

Table 2.2: Details on Total Population

Name/Particulars	Total Population	Total (Rural)	Total (Urban)	Percentage (Rural)	Percentage (Urban)
Assam	3,12,05,576	2,68,07,034	43,98,542	85.90	14.10
Tinsukia	13,27,929	10,63,186	2,64,743	80.06	19.94
Dibrugarh	13,26,335	10,82,605	2,43,730	81.62	18.38

Source: Census of India, 2011

2.2.3.2 Male and Female Population

36. Out of total population 3,12,05,576 of the State, male population constitutes 15,939,443

(51.08%) and female population is 15,266,133 (48.92%). Total population in Tinsukia stands at 13,27,929 of which male population stands at 6,80,231 (51.22%) and female population stands at 6,47,698 (48.78%). The sex ratio of the Tinsukia district stands at 952 females per thousand male which is slightly lower than state average of 958. Total population in Dibrugarh stands at 13,26,335 of which male population stands at 6,76,434 (51.00%) and female population stands at 6,49,901 (49.00%). The sex ratio of this district stands at 961 females per thousand male which is higher than state average. Details are given in **Table 2.3**.

Table 2.3: Details on Male/ Female Population

Name /Particulars	Total Population	Total Male	Total Female	Percentage (Male)	Percentage (Female)	Sex Ratio
Assam	3,12,05,576	15,939,443	15,266,133	51.08	48.92	958
Tinsukia	13,27,929	6,80,231	6,47,698	51.22	48.78	952
Dibrugarh	13,26,335	6,76,434	6,49,901	51.00	49.00	961

Source: Census of India, 2011

2.2.3.3 Scheduled Caste (SC) and Scheduled Tribe (ST) Population

37. As per census 2011, the Scheduled Caste (SC) & Scheduled Tribe (ST) population of the State stands at 22,31,321 (7.15%) and 38,84,371 (12.4%) respectively. Tinsukia district has a total SC population of 37,688 (2.84%) & ST population of 82,066 (6.18%). Total SC and ST population in Dibrugarh district are 58,876 (4.44%) & 1,02,871 (7.76%) respectively. Details are given in **Table 2.4**.

Table 2.4: Details on Percentage SC/ST

Name/ Particulars	Total Population	Total SC Population	Percentage of SC Population	Total ST Population	Percentage of ST Population
Assam	3,12,05,576	22,31,321	7.15	38,84,371	12.4
Tinsukia	13,27,929	37,688	2.84	82,066	6.18
Dibrugarh	13,26,335	58,876	4.44	1,02,871	7.76

Source: Census of India, 2011

2.2.3.4 Literacy

38. The literacy rate of Tinsukia district stands at 60.12 % which is slightly lower than State's average of 61.46%. However, the male literacy rate of the district is lower than State's literacy rate. But in Dibrugarh district the literacy rate stands at 66.69% which is significantly higher than that of the State. Nevertheless Dibrugarh district has the female literacy rate which is slightly lower than the State's average. Details are given in **Table 2.5**.

Table 2.5 : Literate and Illiterate Population

Name/Particulars	Total Population	Total Literate	Percentage of Literate	Percentage (Male)	Percentage (Female)
Assam	3,12,05,576	19,177,977	61.46	55.11	44.89
Tinsukia	13,27,929	7,98,322	60.12	56.80	43.20
Dibrugarh	13,26,335	8,84,531	66.69	55.55	44.45

Source: Census of India, 2011

2.3.3.5. Total Workers (Male and Female)

39. Total population into work in Assam stands at 1,19,69,690 of which total Male (work) population stands at 85,41,560 (71.36%) and total female (Work) population stands at 34,28,130 (28.64%). Tinsukia district has a total work population of 55,71,96 of which total Male (work) population stands at 3,66,623 (65.80%) and total female (Work) population stands at 1,90,573 (34.20%). Dibrugarh district has a total work population of 5,60,557 of which total Male (work) population stands at 3,68,013 (65.65%) and total female (Work) population stands at 1,92,544 (34.35%). Details are given in **Table 2.6**.

Table 2.6: Details on Workers

Name/Particulars	Total Population (Work)	Total Male (Work)	Total Female (Work)	Percentage (Male)	Percentage (Female)
Assam	1,19,69,690	85,41,560	34,28,130	71.36	28.64
Tinsukia	55,71,96	3,66,623	1,90,573	65.80	34.20
Dibrugarh	5,60,557	3,68,013	1,92,544	65.65	34.35

Source: Census of India, 2011

2.3.3.6 Households

40. Total Households in Assam stands at 64, 06,471 of which 54, 20,877 (84.61%) households belong to rural area and 9, 85,594 (15.39%) households belong to urban area. Tinsukia district has a total of 2,68,598 households of which 2,10,707 (78.45%) households belong to rural area and 57,891 (21.55%) households belong to urban area. Dibrugarh district has a total of 2,76,867 households of which 2,22,414 (80.33%) households belong to rural area and 54,453 (19.67%) households belong to urban area. Details are given in **Table 2.7**.

Table 2.7: Details on Households

Name/Particulars	Total Households	Total (Rural)	Total (Urban)	Percentage (Rural)	Percentage (Urban)
Assam	64,06,471	54,20,877	9,85,594	84.61	15.39
Tinsukia	2,68,598	2,10,707	57,891	78.45	21.55
Dibrugarh	2,76,867	2,22,414	54,453	80.33	19.67

Source: Census of India, 2011

III. LEGAL & REGULATORY FRAMEWORK

3.1. Overview

41. In India, compensation for land acquisition (LA) and rehabilitation for project affected persons/families is directed by the National law i.e. “The Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013 (hereafter RFCTLARR, 2013”), effective from 1st January 2014. For transmission/distribution line project, land for tower/pole and right of way is not acquired and ownership of land remains with the owner and is allowed to continue cultivation after construction. However, as per existing laws⁵ compensation for all damages are paid to the individual land owner. The relevant national laws applicable for transmission/distribution project are (i) The Electricity Act, 2003 and (ii) The Indian Telegraph Act, 1885 and (iii) Govt. of Assam notification on RoW Compensation dated 10th March 2017. The compensation principles adopted for this project shall comply with applicable laws and regulations of the Government of India/ State Govt, World Bank’s Safeguard Policies and AEGCL & APDCLs ESPPF.

3.2. Statutory Requirements

42. Transmission lines are constructed under the ambit of The Electricity Act, 2003. The provisions stipulated in section 67-68 of the Electricity Act, 2003 read with section 10 & 16 of the Indian Telegraph Act, 1885 governs the compensation as AEGCL/APDCL has been vested with the powers of Telegraph Authority vide Power(Electricity) Department, Govt. of Assam notification dated 16th March, 2016 under Section- 164 of the Electricity Act. As per the provision of Indian Telegraph Act, 1885 under section 10 (b), AEGCL/APDCL is not authorized to acquire any land hence land under tower is not acquired. However, compensation for all damages are paid to the individual land owner as per the provision of Section-10 (d) of Indian Telegraph Act, 1885.

43. The provisions in the Electricity Act, 2003 and Indian Telegraph Act, 1885 regarding compensation for laying of transmission lines are as follows:

3.2.1. The Electricity Act, 2003, Part-VIII, Section 67 & 68

Quote:

Section 67 (3-5):

(3) A licensee shall, in exercise of any of the powers conferred by or under this section and the rules made thereunder, cause as little damage, detriment and inconvenience as may be, and

⁵ As per the present provision in the Electricity Act, 2003 read with relevant provisions of Indian Telegraph Act, 1885 all the damages (without acquisition of subject land) accrued to person while placing the tower and line are to be compensated

shall make full compensation for any damage, detriment or inconvenience caused by him or by any one employed by him.

- (4) *Where any difference or dispute [including amount of compensation under sub-section (3)] arises under this section, the matter shall be determined by the Appropriate Commission.*
- (5) *The Appropriate Commission, while determining any difference or dispute arising under this section in addition to any compensation under sub-section (3), may impose a penalty not exceeding the amount of compensation payable under that sub-section.*

Section 68 (5 & 6):

- (5) *Where any **tree standing or lying near an overhead line or where any structure or other object which has been placed or has fallen near an overhead line** subsequent to the placing of such line, interrupts or interferes with, or is likely to interrupt or interfere with, the conveyance or transmission of electricity or to interrupt or interfere with, the conveyance or transmission of electricity or the accessibility of any works, an Executive Magistrate or authority specified by the Appropriate Government may, on the application of the licensee, cause the tree, structure or object to be removed or otherwise dealt with as he or it thinks fit.*
- (6) *When disposing of an application under sub-section (5), an Executive Magistrate or authority specified under that sub-section shall, in the case of any tree in existence before the placing of the overhead line, **award to the person interested in the tree such compensation as he thinks reasonable, and such person may recover the same from the licensee.***

Explanation. - For purposes of this section, the expression "tree" shall be deemed to include any shrub, hedge, jungle growth or other plant.

Unquote.

3.2.2. The Indian Telegraph Act, 1885, Part-III, Section 10 :

Quote:

Section 10 – *The telegraph authority may, from time to time, place and maintain a telegraph line under, over, along, or across, and posts in or upon any immovable property, Provided that*

- a) *the telegraph authority shall not exercise the powers conferred by this section except for the purposes of a telegraph established or maintained by the [Central Government], or to be so established or maintained;*
- b) ***the [Central Government] shall not acquire any right other than that of user only in the property under, over, along, across in or upon which the telegraph authority places any telegraph line or post; and***

- c) *except as hereinafter provided, the telegraph authority shall not exercise those powers in respect of any property vested in or under the control or management of any local authority, without the permission of that authority; and*
- d) *in the exercise of the powers conferred by this section, the telegraph **authority shall do as little damage as possible, and, when it has exercised those powers in respect of any property other than that referred to in clause (c), shall pay full compensation to all persons interested for any damage sustained by them by reason of the exercise of those powers.***

Unquote.

Section 16 of the Indian Telegraph Act, 1885 which stipulates as under:

16. Exercise of powers conferred by section 10, and disputes as to compensation, in case of property other than that of a local authority:

- (1) *If the exercise of the powers mentioned in Section 10 in respect of property referred to in clause (d) of that section is resisted or obstructed, the District Magistrate may, in his discretion, order that the telegraph authority shall be permitted to exercise them.*
- (2) *If, after the making of an order under sub section (1), any person resists the exercise of those powers, or, having control over the property, does not give all facilities for this being exercised, he shall be deemed to have committed an offence under section 188 of the Indian Penal Code (45 of 1860).*

3.2.3. MoP guidelines dated 15th October, 2015 for payment of compensation toward damages in regard to RoW

44. Ministry of Power (MoP) vide its order No. 3/7/2015-Trans dated 15th April'15 constituted a Committee comprising of representatives of various State Govt., MoP, Central Electricity Authority (CEA) & POWERGRID under the chairmanship of Special Secretary, MoP to analyze the issues relating to Right of Way for laying of transmission lines in the country and to suggest a uniform methodology for payment of compensation on this account. Based on recommendation of the Committee, Ministry of Power, Govt. of India vide its notification dated 15th Oct'15 has issued guidelines for payment of compensation for damages in regard to RoW (**Annexure-2**). Ministry of Power (MoP) has also written to all the States for taking suitable decisions regarding adoption of these guidelines considering that acquisition of land is a State subject. The said guidelines were adopted by Govt. of Assam vide its notification dated 10th March 2017 for implementation (**Annexure-3**) which is applicable to transmission lines supported by tower base of 66 kV only and

not for sub-transmission & distribution lines below 66 kV. As per the guidelines following compensation shall be paid to all affected farmers/land owners in addition to normal tree and crop damage compensation;

- i) **Tower base:** Compensation @ 85% of land value as determined by District Commissioner/Bodoland Territorial Council (BTC) or any other competent authority based on Circle rate/ Guideline value/ Stamp Act for tower base area (between four legs).
- ii) **Line corridor:** Compensation @ maximum 15% of land value towards diminution of land value in the width of RoW corridor as determined by District Commissioner or any other competent authority based on Circle rate/ Guideline value/ Stamp Act.

3.3. World Bank’s Environmental & Social Safeguard Policies

45. The objective of Bank’s policies is to prevent and mitigate undue harm to people and their environment in the development process. Safeguard policies provide a platform for the participation of stakeholders in project design, and act as an important instrument for building ownership among local populations. Operational Policies (OP) are the statement of policy objectives and operational principles including the roles and obligations of the Borrower and the Bank, whereas Bank Procedures (BP) is the mandatory procedures to be followed by the Borrower and the Bank. Apart from these, World Bank Group Environmental, Health, and Safety (EHS) General Guidelines and EHS Guidelines for Electric Power Transmission and Distribution are also relevant for environmental protection and monitoring of transmission projects. The WB’s relevant social safeguard policies and their objective are given in **Table – 3.1**.

Table 3.1: World Bank’s Operational Policies for Social Safeguard

Operational Policy (OP)	Policy Objectives
OP 4.11 - Physical Cultural Resources (PCR)	To preserve PCR and in avoiding their destruction or damage. PCR includes resources of archeological, paleontological, historical, architectural, and religious (including graveyards and burial sites), aesthetic, or other cultural significance.
OP 4.12 – Involuntary Resettlement	To avoid or minimize involuntary resettlement and, where this is not feasible, assist displaced persons in improving or 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.

OP 4.10 – Indigenous Peoples	To ensure that the Indigenous Peoples receive social and economic benefits those are culturally appropriate and gender and inter generationally inclusive. The project shall ascertain broad community support for the project based on social assessment and free prior and informed consultation with the affected Tribal community, if any.
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3.4. AEGCL/APDCL's ESPPF

46. To address the environmental and social issues related to its power transmission and distribution projects under NERPSIP, AEGCL/APDCL has adopted an Environmental and Social Policy & Procedures Framework (ESPPF) in 2015 based on the principles of avoidance, minimization, and mitigation. The ESPPF had been developed by POWERGRID on behalf of the State Utility based on ESPP of POWERGRID who has proven credentials in management of environmental and social issues of large number of power transmission projects both within and outside the country after a comprehensive review of Utility's existing policies/provisions and consultation with stakeholders.

47. ESPPF's outlines Utility's approach and commitment in dealing with the environmental and social issues relating to its transmission projects, lays down the management procedures and protocols for the purpose that includes the framework for identification, assessment, and management of environmental and social concerns at both organizational and project levels.

48. Specifically on social, the following criteria and approach are considered in the ESPPF:

- (i) Take due precautions to minimize disturbance to human habitations, tribal areas and places of cultural significance.
- (ii) Take due care of Project Affected Persons (PAP).
- (iii) Involve affected people from inception stage to operation and maintenance.
- (iv) Consult affected people in issues of RoW, land acquisition or loss of livelihood.
- (v) Encourage consultation with communities in identifying environmental and social implications of projects.
- (vi) Guarantee entitlements and compensation to affected people as per entitlement matrix.
- (vii) Share information with local communities about environmental and social implications.
- (viii) Always maintain highest standards of health and safety and adequately compensate affected persons in case of any eventuality.

3.5. Basic Principles for the Project

49. The basic principles adopted for the Project are:

- (i) Avoid negative impacts of land acquisition and involuntary resettlement on persons affected by the Project to the extent possible.
- (ii) Where negative impacts cannot be avoided, assist affected persons (AP), in improving or at least regaining their standard of living and income.
- (iii) Carry out meaningful consultations with affected persons and inform all displaced persons of their entitlements and resettlement options. Ensure their participation in planning, implementation and monitoring of the Project
- (iv) Disclose all information related to, and ensure AP participation in, resettlement planning and implementation.
- (v) Provide compensation for acquired assets at replacement/market value in accordance with the RP/CPTD.
- (vi) Ensure that displaced persons without titles to land or any recognizable legal rights to land are eligible for resettlement assistance and compensation for loss of non-land assets.
- (vii) Provide resettlement assistance and income restoration to APs.
- (viii) Provide for APs not present during enumeration. However, anyone moving into the project area after will not be entitled to assistance.
- (ix) Develop procedures in a transparent, consistent, and equitable manner if land acquisition is through negotiated settlement to ensure that those people who enter into negotiated settlements will maintain the same or better income and livelihood status.
- (x) Provide compensation and resettlement assistance prior to taking possession of the acquired lands and properties.
- (xi) Establish grievance redress mechanisms to ensure speedy resolution of disputes.
- (xii) Ensure adequate budgetary support to cover implementation costs for CPTD.
- (xiii) Monitoring of the implementation of CPTD.

50. Additionally, the issues related to the Right of Way (RoW) for the transmission lines will be dealt with proper care especially for the temporary loss. For the loss of crops and trees due to construction of overhead lines, cash compensation payable by cheque/through online transfer will be provided during construction works. Further, cash compensation (by cheque/ online transfer) to the APs for the temporary loss of crop and loss of trees if occurred, during the time of maintenance and repair.

IV. PROJECT IMPACTS

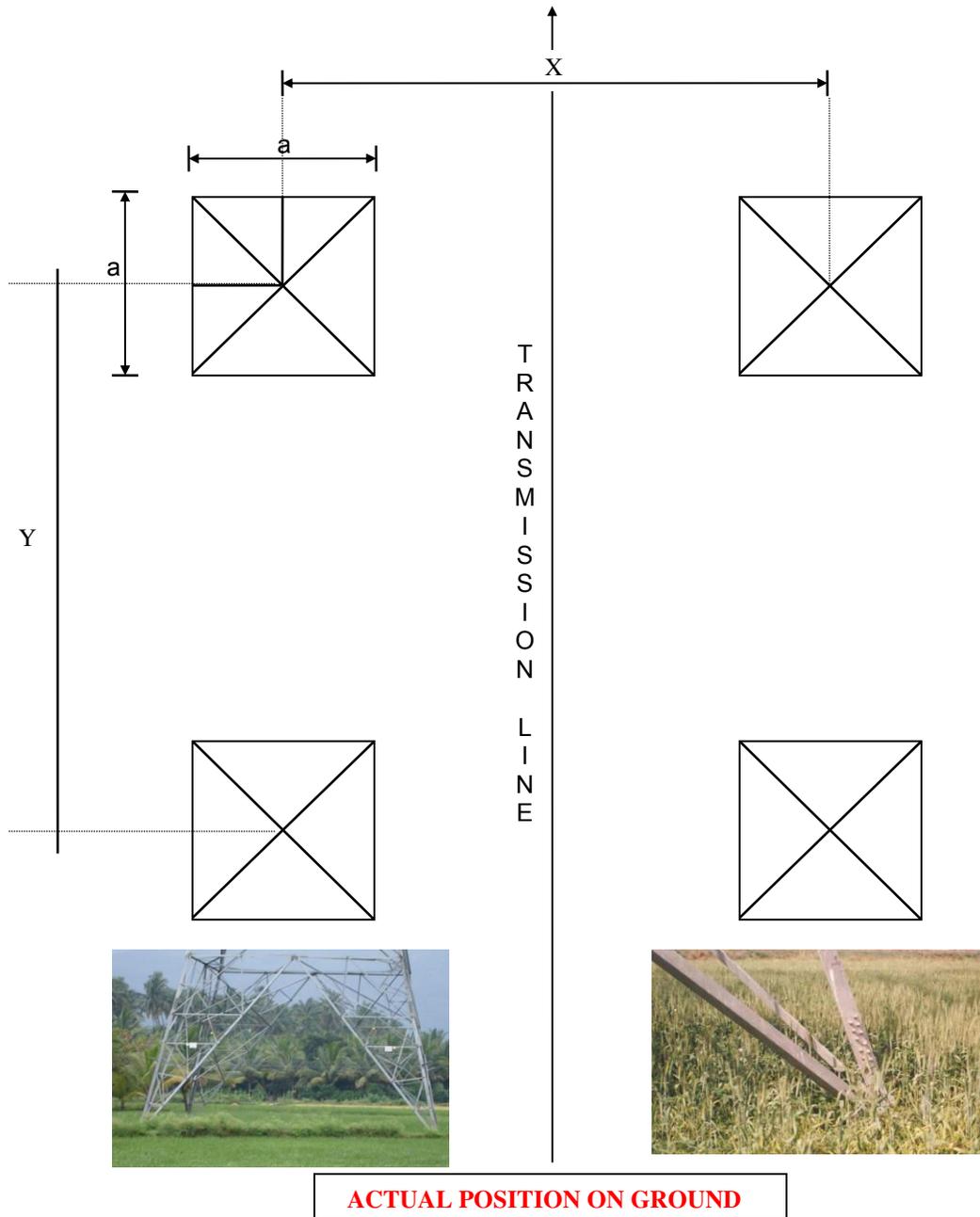
4.1. General

51. The project does not require any private land acquisition for construction of transmission/distribution lines. Therefore, no physical displacement is foreseen in the project. However, there are some social impacts due to construction of lines/placing of towers & poles which are temporary in nature in terms of loss of standing crops/trees/structures in the RoW. Preliminary investigation/survey has been carried out for transmission/distribution line to estimate/arrive at the selection of one best feasible alignment route out of at least 3 alternative alignments studied, for detailed survey to be undertaken during execution of main contracts. The details of tower/pole schedule depicting location & its coordinate, land use including major crossings along proposed route alignment is placed as **Annexure-4**. Therefore, the CPTD remains as draft, as actual temporary impacts shall be known only during implementation which will be based on the detailed design and final survey once the construction contractor is mobilized for implementation. The details of land use have been gathered to have an idea about the temporary damages that might occur during construction of the transmission and distribution lines. The corridor of width (Right of Way) required for 220 kV D/C and 132 KV D/C transmission line are 35 meter and 27 meter respectively whereas, for 33 kV distribution lines it is considered as 15 meter.

52. Soil & Surface Geology: In plain areas impact on soil & geology will be almost negligible as the excavated pit material is stacked properly and back filled as well as used for resurfacing the area. On hill slopes where soil is disturbed will be prone to erosion is suitably protected by revetment, breast walls, and proper drainage. Besides extensive leg /chimney extension shall be used to avoid benching or cutting of slopes to minimize the impact on slope stability.

53. The land requirement for erection of tower legs is very small i.e. for each leg of tower actual construction is done on a small square area with side length ranging from 0.20 to 0.30 meter depending on the types of tower. Four such square pieces of land will be required to place the legs of tower. The area that becomes unavailable because of the erection of tower legs for an average 220/132 kV D/c transmission tower ranges from 0.16-0.36 sq.m. of land. Thus, the actual impact is restricted to 4 legs of the tower and agriculture can continue as clearly depicted in the **Figure-4.1**. In case of 33 kV distribution line area that becomes unavailable because of the erection of pole is insignificant as approx. 1 sq. ft. land area is occupied for one pole (refer **Figure. 4.2** depicting actual base area impact). Due diligence confirms that land is either agricultural or barren, and

Figure- 4.1: Typical Plan of Transmission Line Tower Footing

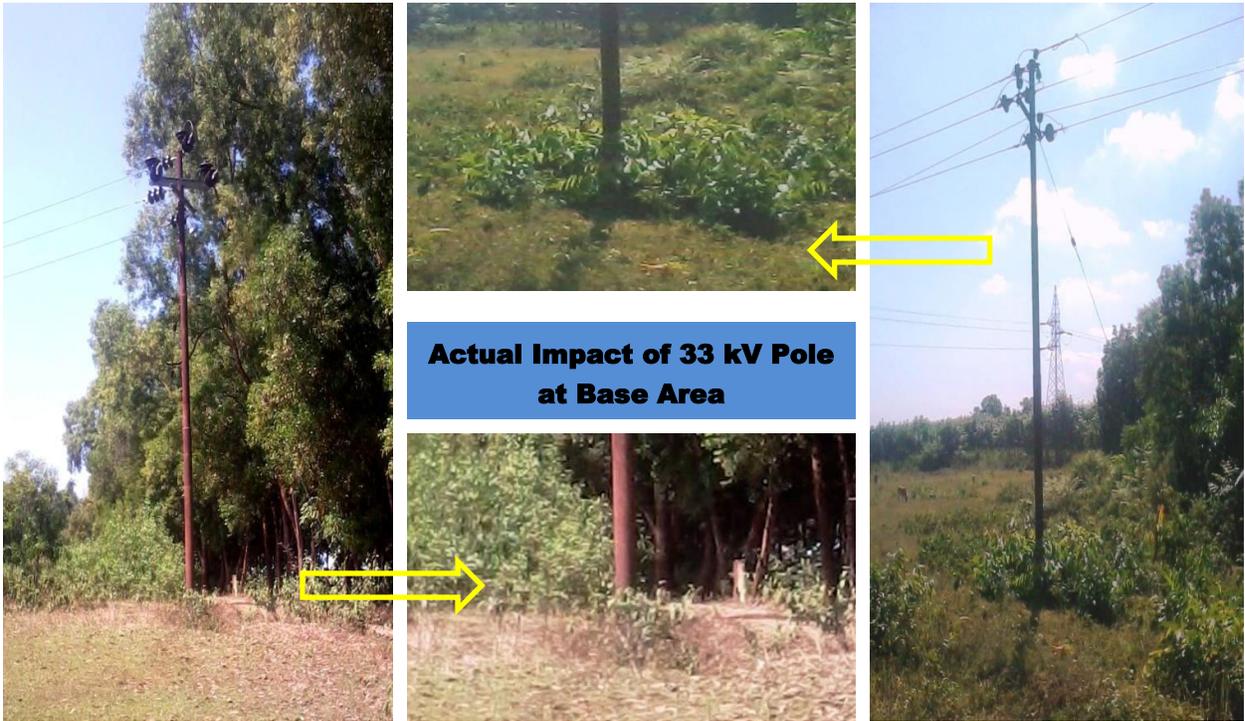


INDICATIVE MEASURES

X & Y = 5-10 METERS

a = 200- 300 mm

Figure- 4.2: 33 KV lines (Single & H pole) depicting base area impact



33 kV line inside city area of Assam



33 kV (H Pole) line inside substation

current land use is not altered and resumed after construction. As per present practices, full compensation (100%) towards land value in tower base areas as decided by the district authority is paid towards damages to the affected persons/land owners. Since, Govt. of Assam vide notification dated 10th March, 2017 has adopted the MoP guidelines, compensation toward damages in regard to RoW shall be paid as per the norms in addition to normal crop and tree damages .

54. Crops: Construction of line in crop season is avoided as far as possible. In case when installation of towers/poles impacts on agricultural activity, detailed assessment/survey is conducted looking at existing crops, general crop patterns, seasonal particulars, nature and extent of yield. This data is compiled and analysed to study the extent and nature of impact. The compensation is in terms of yield/hectare and rate/quantity for prevailing crops in the area. Based on this, total compensation is calculated in consultation with revenue authorities. Compensation is paid to the owners and their acknowledgement obtained.

55. Trees: Construction of line in fruit bearing season is avoided as far as possible. Tree compensation is calculated on the basis of tree enumeration, tree species and an estimate of the compensation will be calculated on the basis of 8 years yield (assessed by revenue/horticulture department). Market rates of compensation are assessed by the relevant government authorities. The total estimate is submitted for approval of the competent authority. Payments are made to owners in the presence of local revenue authorities or village head/ Sarpanch and respective acknowledgements are obtained.

56. Other Damages: Like bunds, water bodies, fish ponds, approach paths, drainage and irrigation canals etc. are at best avoided. However, if damaged, the Revenue Department assesses the cost of damage as per State Govt. norms. The total estimate is submitted for approval to the competent authority. Payments are made to owners in the presence of local revenue authorities or village head/ Sarpanch and respective acknowledgements are obtained and POWERGRID/ AEGCL & APDCL pays the compensation. Hindrances to power, telecom carrier & communication lines etc. shall be paid as per Govt. norms.

4.2. Impact due to construction of New Substation and Bay extension

57. The project component consists of establishment of 220/132 kV new substation at Behiating, 132/33 kV new substation at Chapakhowa & extension of 132/33 kV Rupai and 33/11

kV new substation at Romai, Bogibil, Dibrugarh and strengthening of 33/11 kV Chapakhowa substation (existing). Land for new substations are either available with AEGCL/APDCL or purchased on negotiated rates based on “willing buyer-willing seller basis”. The extensions/strengthening works at proposed transmission and distribution substations will be done within the existing substations campus and no fresh land secured for this purpose. Since no involuntary acquisition is involved, R&R will not be an issue in the instant project. The details are provided in **Table 4.1**:

Table 4.1: Details of Substation

Name of substation	Permanent Impact on Land Use	Temporary Impact on loss of crops	Impact on Loss of Trees	Remarks
220/132 kV new substation at Behiating	Yes	Nil	Nil	AEGCL Land
132/33 kV new substation at Chapakhowa	Yes	Nil	Nil	Private Land purchased on negotiated rates based on “willing buyer-willing seller basis”.
Extension of 132/33 kV substation at Rupai (Existing)	No	Nil	Nil	AEGCL Land
33/11 kV new substation at Romai	Yes	Nil	Nil	Private (Tea Garden) Land on lease
33/11 kV new substation at Bogibil	Yes	Nil	5	
33/11 kV new substation at Dibrugarh	Yes	Nil	Appx. 25 Tea Bushes & 5 Large Trees	Private Land purchased on negotiated rates based on “willing buyer-willing seller basis”.
Strengthening of 33/11 kV Chapakhowa (Existing) substation	No	Nil	Nil	APDCL land

4.3. Temporary Impacts Caused due to Transmission/Distribution Line (Right of Way)

4.3.1. Type and Use of Land within Corridor Right of Way

58. The line corridor will pass through mixed land uses which are generally agricultural land, private plantation, government land etc. The calculations are based on detailed survey/ investigation carried out along the route of transmission/distribution lines and considering the total line length of the line and its right of way. The total line length is 136.251 kilometre (km) which will

impact an estimated of 880.08 acres⁶ of land. These include 69.165 km of line passing through agricultural land (517.78 acre of agricultural land), 41.946 km of private plantation (261.22 acre of private plantation land) and 25.1 kms of government land (100.94 acre of government land). A brief description about the type and use of land in the corridor is given in **Table 4.2**.

Table 4.2: Type and Use of Land within Corridor of RoW (in Kms/Hectares)

Sl. No.	Name of the Line	RoW (in meter)	Agricultural land	Private Plantation	Forest	Govt land	Total
A. Transmission Line							
1	Rupai – Chapakhowa 132 kV S/C on D/C	27	31.5 km (210.16 acre)	11.5 km (76.72 acre)	Nil	1 km (6.67 acre)	44 km (293.55 acre)
2	Tinsukia -Behiating (New Dibrugarh) 220kV D/C	35	34 km (294.04 acre)	14.5 km (125.40 acre)	Nil	1 km (8.65 acre)	49.5 km (428.09 acre)
B. Distribution Line							
3	Chapakhowa (New) to Chapakhowa substation 33 kV	15	Nil	Nil	Nil	2.617 km (9.70 acre)	2.617 km (9.70 acre)
4	Dibrugarh (Existing) to Romai (New) substation 33 kV		3.019 km (11.19 acre)	3.955 km (14.66 acre)	Nil	10.303 km (38.19 acre)	17.317 km (64.18 acre)
5	Behiating (New) to Bogibil (New) substation 33 kV		0.646 km (2.39 acre)	10.191 km (37.77 acre)	Nil	2.639 km (9.78 acre)	13.476 km (49.94 acre)
6	Behiating (New) to Dibrugarh (New) Substation 33 kV		Nil	1.8 km (6.67 acre)	Nil	7.541 km (27.95 acre)	9.341 km (34.62 acre)
Total			69.165 km (517.78 acre)	41.946 km (261.22 acre)	Nil	25.1 km (100.94acre)	136.251 km (880.08 acre)

Source: Detailed Survey

4.3.2 Total loss of crop area (RoW Corridor & Tower/Pole)

59. For the temporary loss of crops, only agricultural land and private plantation land are considered for estimation. The damages are not done in complete RoW of line but mostly restricted to tip to tip of the conductor and tower base area where average affected width/corridor would be limited to 27 meter(m) and 20 meter (maximum) instead of RoW of 35 meter and 27 m for 220 kV for 132 kV respectively. Whereas in 33 kV distribution lines, damages are minimal (mostly near bi-pole//quad-pole structure) however, 10 meter corridor is considered for accessing

⁶ Total Line Length (kilometers) X Right of Way (meters)X1000/ 4,047= Area in Acre

the damages. Moreover, all efforts are made to reduce the damages to crops and to minimize the impacts whatsoever. One of the reasons is that schedules of construction activities are undertaken in lean season or post-harvest periods. As the assets of any sorts will not be acquired but during construction, only temporary damages will occur for which the compensation shall be paid to affected persons as per entitlement matrix.

60. Based on the above estimation, the total land considered for crop compensation for transmission/distribution line corridor and tower/pole foundation for the entire subproject covered under the scope of above CPTD is 584.535 acre. Details of estimated impacted area for crop damages is given in **Table 4.3:**

Table 4.3: Estimation on Loss of Land for Crop Damage due to Overhead Lines

Name of the line	Width Considered for Estimation of Loss of Crops and other impacts (Meter)	Total Agricultural Land (km)	Total Private Plantation (km)	Total Line Length Considered for Crop Compensation (km)	Total Land Area considered for Crop Compensation (acre)
Rupai – Chapakhowa 132 kV S/C	20	31.5	11.5	43	212.503
Tinsukia -Behiating 220kV D/C	27	34	14.5	48.5	323.573
Chapakhowa (New) to Chapakhowa (Existing) substation 33 kV	10	Nil	Nil	Nil	Nil
Dibrugarh (Existing) to Romai(New) substation 33 kV	10	3.019	3.955	6.974	17.233
Behiating (New) to Bogibil (New) substation 33 kV	10	0.646	10.191	10.837	26.778
Behiating (New) to Dibrugarh(New) Substation 33 kV	10	Nil	1.8	1.8	4.448
Total		69.165	41.946	111.111	584.535

Source: Detailed Survey

4.3.3 Actual loss of land for Tower Base & Pole

61. As already explained, the impact of transmission line is restricted to 4 legs of the tower and agriculture can continue after construction activity is over. The average land area will be unavailable for erection of one 220 kV / 132 kV T/L tower and one pole for 33 kV D/L is approx. 0.25 sq.m & 0.092 sq.m. respectively. Based on above, total land loss for construction of 93.5 km

of 220 kV/132 kV transmission line and 42.7 km of 33 kV distribution line proposed under the present scheme is estimated 0.049 acre respectively. However, compensation toward loss land shall be provided to APs which is part of RoW compensation. Details of land loss for tower base & pole are given in **Table- 4.4**.

Table 4.4: Estimation of Actual Loss of Land for Tower Base & Pole

Name of the line	Line length (km)	Total Tower/Pole (Nos.)	Land loss per tower/ pole base (sq.m.)	Total land loss area for tower & pole base (sq.m)
Rupai – Chapakhowa 132 kV S/C	44	159	0.25	39.75
Tinsukia -Behiating (New Dibrugarh) 220kV D/C	49.5	191	0.25	47.75
Chapakhowa (New) to Chapakhowa (Existing) substation 33 kV	2.617	56	0.092	5.152
Dibrugarh (Existing) to Romai (New) substation 33 kV	17.277	465	0.092	42.78
Behiating (New) to Bogibil (New) substation 33 kV	13.476	379	0.092	34.868
Behiating (New) to Dibrugarh (New)substation 33 kV	9.341	286	0.092	26.312
Total				196.612 \cong 0.049 acre

4.3.4 Land area for RoW compensation as per MoP Guidelines /Govt. of Assam notification

62. Subsequent to the notification by Govt. of Assam on adoption of MoP guidelines, compensation toward damages in regard to RoW for proposed 132kV and 220 kV line @ 85% land value for tower base & maximum 15% land value for width of RoW corridor as decided District Magistrate or any other authority shall paid to land owners, Details of land areas considered for such compensation is given in **Table 4.5**.

Table 4.5 Land area for RoW Compensation

Name of the line	Line length (km)	Nos. of Tower	Land area for Tower base per km (in acre)	Total land area for tower base (In acre)	*RoW Corridor area per km(In acre)	Total land area for RoW Corridor (In acre)	Total Land area (In acre)
Rupai – Chapakhowa 132 kV S/C	44	159	0.036	1.584	6.635	291.94	293.52
Tinsukia -Behiating (New Dibrugarh) 220kV D/C line	49.5	191	0.077	3.812	8.571	424.26	430.07

* *Effective RoW corridor area has been considered after excluding tower base area.*

4.3.5. Loss of Trees

63. Total numbers of trees likely to be affected due to construction of 93.5 km of 220 kV/132 kV transmission line and 42.7 km of 33 kV distribution line is approx. 5474 including 2000 nos. of private Tea bushes. Out of this, 4403 are private trees and 1071 trees in govt. land. During construction, private trees will be compensated as per the entitlement matrix. Details on number of trees for each line are given in **Table 4.6**.

Table 4.6: Loss of Trees

Name of Line	Trees in Private Area (Numbers)	Trees in Govt. Area (Numbers)	Total Trees (Numbers)
Rupai – Chapakhowa 132 kV S/C on D/C line	1570 (including 1000 nos. of Tea Bushes)	50	1620
Tinsukia -Behiating (New Dibrugarh) 220kV D/C line	1760 (including 1000 nos. of Tea Bushes)	40	1800
Chapakhowa (New) to Chapakhowa (Existing) substation 33 kV	Nil	79	79
Dibrugarh (Existing) to Romai (New) substation 33 kV	242	347	589
Behiating (New) to Bogibil (New) substation 33 kV	727	165	892
Behiating (New) to Dibrugarh (New) Substation 33 kV	104	390	494

Source: Detailed Survey

4.3.6. Loss of Other Assets (Small Shed in Agriculture Fields)

64. It has been observed during survey that approximately 08 numbers of small structures exist along the right of way of proposed lines. These are small storage sheds/huts which are mostly temporary structure associated with the agricultural fields. People do not use these small structures/sheds for residential purpose and they use it as storage of agricultural purpose only. During construction, these will be compensated in cash as per the entitlement matrix. Details on impacts on small structures are given in **Table 4.7**

Table 4.7: Loss of Other Assets

Name of Line	No. of storage sheds/huts
Rupai – Chapakhowa 132 kV S/C on D/C	03
Tinsukia -Behiating (New Dibrugarh) 220kV D/C	02

Chapakhowa (New) to Chapakhowa (Existing) substation 33 kV	Nil
Dibrugarh (Existing) to Romai (New) substation 33 kV	02
Behiating (New) to Bogibil (New) substation 33 kV	01
Behiating (New) to Dibrugarh (New)Substation 33 kV	Nil
Total	08

Source: Detailed Survey

4.4. Details of Affected Persons

65. It is estimated that total number of affected persons which may be impacted temporarily will be approximately 1832. Details are given in **Table 4.8**. The number of APs in the table refers to the most conservative option. State Utilities/ POWERGRID will schedule civil works in such a way to minimize impacts and substantially reduce the damages to crops and therefore the number of affected persons and Agricultural Households (AHH).

Table 4.8: Number of Affected Persons

Name of Line	Total APs
Rupai – Chapakhowa 132 kV S/C on D/C	770
Tinsukia -Behiating (New Dibrugarh) 220kV D/C	1020
Chapakhowa (New) to Chapakhowa (Existing) substation 33 kV	Nil
Dibrugarh (Existing) to Romai (New) substation 33 kV	27
Behiating (New) to Bogibil (New) substation 33 kV	12
Behiating (New) to Dibrugarh (New)Substation 33 kV	03
Total	1832

Source: Detailed Survey

4.5 Other Damages

66. As far as possible, damages to bunds, water bodies, fish ponds, approach paths, drainage and irrigation canals etc. are avoided. However, if damaged during construction activities, compensation as per practice is paid after assessment of the cost of damage by the State Govt. Revenue Department. The total estimate is submitted for approval to the competent authority. AEGCL & APDCL/POWERGRID pays the compensation to owners in the presence of local revenue authorities or Village head/ Sarpanch and respective acknowledgements are obtained. Any hindrances to power, telecom carrier & communication lines etc. shall also be paid as per Govt. norms.

4.6 Impact on Indigenous People

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

- (i) tribes' primitive traits;

- (ii) distinctive culture;
- (iii) shyness with the public at large;
- (iv) geographical isolation; and
- (v) social and economic backwardness before notifying them as a Scheduled Tribe.

68. 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 Peoples. Indigenous people are also characterized by cultural continuity. Constitution of India identifies schedule areas which are predominately inhabited by such people. In Assam, special provisions also have been extended to the Tribal Areas under the 6th Schedule [Articles 244(2) and 244(A) 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.

69. The instant project is being implemented in the Tinsukia and Dibrugarh district which are not part of areas covered under the provisions of sixth schedule. However, 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 AEGCL/APDCL’s ESPPF.

4.7. Summary of Impacts

70. Based on the above assessment, temporary impacts on loss of crops, trees, other structures and number of APs are summarized below in **Table 4.9**.

Table 4.9: Summary of Impacts

Particulars	Details
Length in Kms (Transmission/Distribution Line)	93.5/ 42.7
Number of Towers/ Poles	350/1186
Total Area under RoW (acre)	880.08
Total APs	1832
Affected Structures (Small Sheds for agricultural purpose)	08
Area of Temporary Damages for crop compensation (In acre)	584.535
Total Trees	3474+ 2000 Tree bushes

Source: Detailed Survey

V. ENTITLEMENTS, ASSISTANCE AND BENEFITS

5.1. Entitlements

71. In the instant project, there is no involuntary acquisition of land involved, only temporary damage will occur during construction of transmission/distribution lines for which compensation is paid as per relevant regulations/norms. APs will be entitled for compensation for diminution land value and other towards temporary damages to crops/trees/structures etc. as per the Entitlement Matrix given in **Table 5.1**. Compensation towards temporary damages to all eligible APs including non-title holders is paid after assessment by relevant authorities of State Govt. In order to streamline the compensation process, a disbursement module has been developed specifying time period with respect to various process/stages which will be implemented for the instant project.

72. All APs are paid compensation for actual damages irrespective of their religion, caste and their economic status. One time additional lump sum assistance will be paid to vulnerable households not exceeding 25% of total compensation on recommendation of State Authority/ADC/VC. As an additional assistance, construction contractors are encouraged to hire local labour that has the necessary skills.

5.2. Entitlement Matrix

73. An Entitlement Matrix for the subprojects is given in **Table 5.1**.

Table 5.1: Entitlement Matrix

Sl.	Type of Issue/ Impact	Beneficiary	Entitlement Options
1.	Land area below tower base (#)	Owner	100% land cost at market value as ascertained by revenue authorities or based on negotiated settlement without actual acquisition/title transfer.
2.	Land coming in corridor of width of Right of Way (#)	Owner	15% of land cost as decided by Deputy Commissioner
3.	Loss/damage to crops and trees in line corridor	Owner/ Tenant/ Sharecropper/ Leaseholder	Compensation to actual cultivator at market rate for crops and 8 years income for fruit bearing trees*. APs will be given advance notice to harvest their crops. All timber* will be allowed to retain by the owner.
4.	Other damages (if applicable)	All APs	Actual cost as assessed by the concerned authority.
5.	Loss of structure		

Sl.	Type of Issue/ Impact	Beneficiary	Entitlement Options
(i)	House	Titleholders	Cash compensation at replacement cost (without deduction for salvaged material and depreciation value) plus Rs. 25,000/- assistance (based on prevailing GOI norms for weaker section housing) for construction of house plus transition benefits as per category-5 below.
(ii)	Shop/ Institutions/ Cattle shed	Individual/ Titleholders	Cash compensation plus Rs. 10000/- for construction of working shed/shop plus transition benefits as per category-5 below
6.	Losses during transition under (i) & (ii) above for Shifting / Transport	Family/unit	Provision of transport or equivalent cash for shifting of material/ cattle from existing place to alternate place
7.	Tribal/ Vulnerable APs	Vulnerable APs ⁷	One time additional lump sum assistance not exceeding 25% of total compensation on recommendation of State Authority/ADC/VC.

(#) Since Govt. of Assam has adopted MoP guidelines vide notification dated 10.03.17, compensation toward damages in respect to RoW shall be paid as per norms.

*** Assistance/help of Forest department for timber yielding trees and Horticulture department for fruit bearing trees shall be taken for assessing the true value.**

5.3. Procedure of Tree/crop compensation

74. In exercise of the powers conferred by section 164 of the Electricity Act, 2003, Power (Electricity) Department, Govt. of Assam vide notification dated 16th March, 2016 has authorized AEGCL/APDCL to exercise all the power vested in the Telegraph Authority under part-III of the Indian Telegraph Act, 1885, to place and maintain transmission lines under over along or across and posts in or upon, any immovable property. However, the provisions of same act in Section 10 (d) stipulates that the user agency shall pay full compensation to all interested for any damages sustained during the execution of said work. Accordingly, AEGCL & APDCL/ POWERGRID shall pay compensation to land owners towards damages, if any for tree, crop etc. during implementation of project as well as during operation and maintenance phase. The procedure followed for such compensation is as follows:

75. AEGCL/APDCL follows the principle of Avoidance, Minimization and Mitigation in the construction of line in agricultural field and cropping areas 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

⁷ Vulnerable APs include scheduled tribes residing in scheduled areas/ physically handicapped/ disabled families etc.

possible in such cases.:

76. As regard of 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 to the other and documented.
- Type, Girth (Measured 1 m. above ground level), approximate height of 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.
- 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.

77. 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 Assam Govt. for the purpose of assessment/valuation and disbursement of compensation to the affected parties.

78. 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.

79. The Mouja list shall contain the land owner details, 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 DC issues a tree cutting permit to AEGCL/APDCL to enable removal / damage to the standing tree/crop identified in the line corridor.

80. Once the tree/crop is removed / damaged, AEGCL/APDCL 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 or Council Authority.

81. On approval of compensation, the revenue officer shall further intimate the amount payable to the different landowners and AEGCL & APDCL/POWERGRID will arrange the payment by way Cheque/online transfer 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. Process of tree/crop compensation is depicted in **Figure-5.1**.

5.4. Land Compensation for Tower Footing & RoW Corridor

82. Govt of Assam adopted the MoP guidelines of Oct.' 2015 on land compensation for tower footing and RoW Corridor on 10th March 2017 which provides for payment of 85% and 15% of land value towards compensation for land coming under tower base and line corridor respectively. Based on this, land compensation will be paid for the sub projects located in the state of Assam. However, actual payment will made only after fixation of land rates by the concerned DC/DM. After fixation of rates by DC/DM and determination of land ownership details, payment of compensation will be made to the respective land owners to the extent of land area coming under tower/corridor.

5.5. Compensation for Structure

83. No physical displacement is envisaged in the proposed project. Displacement of structures is normally not envisaged due to flexibility of routing of transmission/distribution line. However, whenever it is necessary, compensation for structures as per entitlement matrix shall be provided (**refer Table 5.1**). In the instant case, 08 numbers of small structures likely to be encountered in the right of way of proposed transmission/distribution lines. These are small sheds/small storage which are associated with the agricultural fields. People do not use these small structures/sheds for residential purpose. A notice for damage is issued to APs and the joint measurement by AEGCL & APDCL/POWERGRID and APs will be done and verified by revenue official for actual damages. The compensation will be paid to the APs as decided by committee based on state government norms. Hence, compensation is paid parallelly with the construction activity of line.

5.6. Compensation Disbursement Module

84. In order to streamline the compensation process, a disbursement modules has been developed (**Table -5.2**) specifying time period with respect to various process/activities which will be implemented during the project execution.

Table 5.2: Compensation Disbursement Module

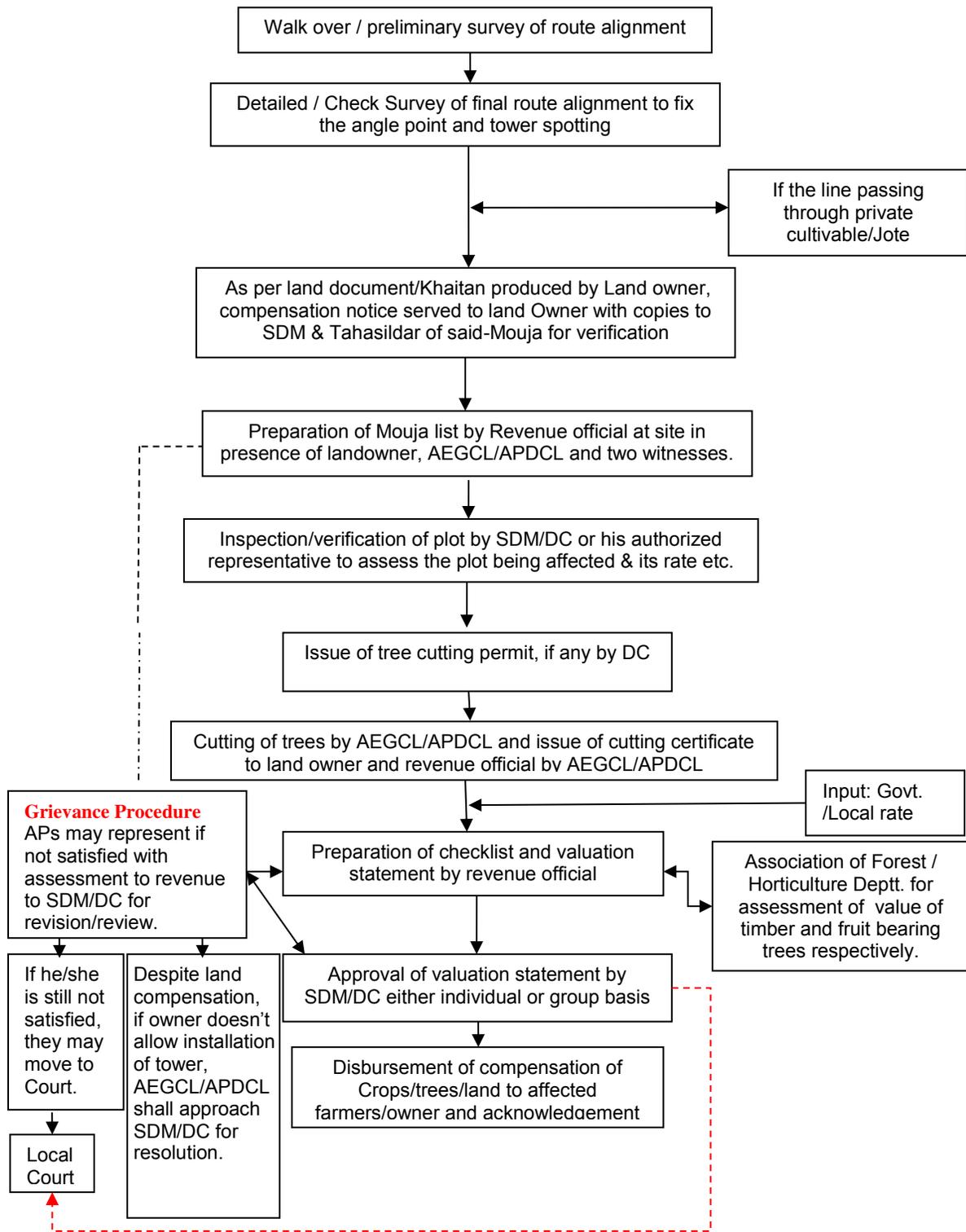
Activity/Stage	Process	Maximum Time Period from Cut-Off date
Tower Foundation/ Erection/ Stringing	Serving of Notice (<i>Cut-off date</i>)	0 date
	Verification of Ownership by Revenue Deptt.	15 days
	Assessment/Verification of damages by Revenue Deptt.	45 days
	Online disbursement*	60 days**

* *Provision of advance payment up to 25% (Rs. 1 lakh maximum) of total estimated land compensation already made in the RoW guidelines of POWERGRID and may also be implemented in the NERPSIP after consent of concerned State Utilities.*

** *60 days is on maximum side. However, based on past experience it's normally concluded within 30-45 days.*

*** *For payment of land compensation also, the above schedule will be followed, however, the process will start only after fixation of land rates by concerned DC/DM.*

Figure-5.1: Tree / Crop Compensation Process



VI. INFORMATION DISCLOSURE, CONSULTATION & PARTICIPATION

6.1. Consultations

85. 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 AEGCL/ APDCL & POWERGRID site officials meet people and inform them about the routing of transmission and distribution lines. During the construction, every individual, on whose land tower is erected and people affected by RoW, are consulted. Apart from this, Public consultation using different technique like Public Meeting, Small Group Meeting, informal Meeting shall also be 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 substations, 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 transmission & distribution lines and AEGCL/ APDCL approach to minimizing and solving them;
- Trees and crop compensation process.

86. In the instant project also, many group meetings were organized (informally and formally) in all villages where the interventions are likely to happen (**Table - 6.1**). These meetings were attended by Village Panchayat members, senior/respected person of village, interested villagers/general public and representatives from AEGCL/APDCL & POWERGRID. To ensure maximum participation, prior intimation in local language was given and such notices were also displayed at prominent places/panchayat office etc. Details of above public consultation meetings including minutes of meeting, list of participants and photographs are enclosed as **Annexure -5**.

Table 6.1 Details of Consultations

Date of meeting	Venue of Meeting	No. of Persons attended	Persons Attended
Public Consultation Meeting			
17.06.2014	Conference Hall, AEGCL Rupai substation	14	Village head, Panchayat members/ village headmen, project affected

	District-Dibrugarh		persons & general public etc.
14.10.2014	AEGCL Office, Tinsukia	30	-Do-
01.05.2017	Site Office, Chapakhowa District-Tinsukia	19	Panchayat members, project affected persons and general public etc.
16.05.2017	Near HH 37, Niz Moidumia Gaon, Mohanbari District-Dibrugarh	37	Panchayat member, project affected persons and general public etc.
Informal Group Meeting			
25.04.2017	Panchayat Office, Khanikar Gaon District-Dibrugarh	14	Project affected persons and general public etc.

87. During consultations/interaction processes with people of the localized areas, AEGCL/APDCL field staffs explained benefit of the project, impacts of transmission line, payment of compensation for damaged of crops, trees, huts etc. as per The Indian Electricity Act, 2003 and The Indian Telegraph Act, 1885 and measures to avoid public utilities such as schools, hospital etc. People more or less welcomed the construction of the proposed project.

88. Various issues inter alia raised by the people during public consultation and informal group meetings are as follows;

- To Involve Village headman during survey work/finalization of line corridor;
- To engage local people in various works associated with construction of line and if required proper training may be provided to engage them.
- To provide flexibility in disbursement of compensation;
- Direct payment of compensation to affected land owners and expeditious disbursement of compensation.

89. AEGCL/APDCL & POWERGRID representative replied their queries satisfactorily and it was assured that compensation will be paid in time after Revenue department fixed/award the amount.

6.2. Plan for further Consultation and Community Participation during Project Implementation

90. The process of such consultation to be continued during project implementation and even during O&M stage. The progress and proposed plan for Public consultation is described in **Table 6.2**

Table 6.2: Plan for Future Consultations

S. N.	Activity	Technique	Schedule
1.	Detailed/ Check survey	Formal/Informal Meeting at different places (20-50 Km) en-route final route alignment of line	Public meeting during pre-construction stage
2.	Construction Phase	Localized group meeting, Pamphlet/ Information brochures, Public display etc.	During entire construction period.
3.	O&M Phase	Information brochures, Operating field offices, Response to public enquiries, Press release etc.	Continuous process as and when required.

6.3. Information Disclosure

91. The draft/summary of CPTD will be disclosed to the affected households and other stakeholders by placing it on AEGCL & POWERGRID websites. AEGCL/APDCL & POWERGRID site officials visit construction sites frequently during construction and meet with APs and discuss about norms and practices of damages and compensation to be paid for them. A notice is also issued to APs after the detailed/ check survey and finalization of tower location during the construction. Affected persons also visit site/construction offices of AEGCL/APDCL & POWERGRID to know about the compensation norms and policies and to discuss their grievances. The executive summary of the CPTD/ Entitlement Matrix in local language will be placed at construction offices/ sites. The CPTD will be disclosed on website of World Bank, AEGCL/APDCL & POWERGRID. AEGCL/APDCL & POWERGRID will organize further public consultation meetings with the stakeholders to share the views of public and all possible clarifications. This consultation process will continue throughout the project implementation period.

VII. INSTITUTIONAL ARRANGEMENTS

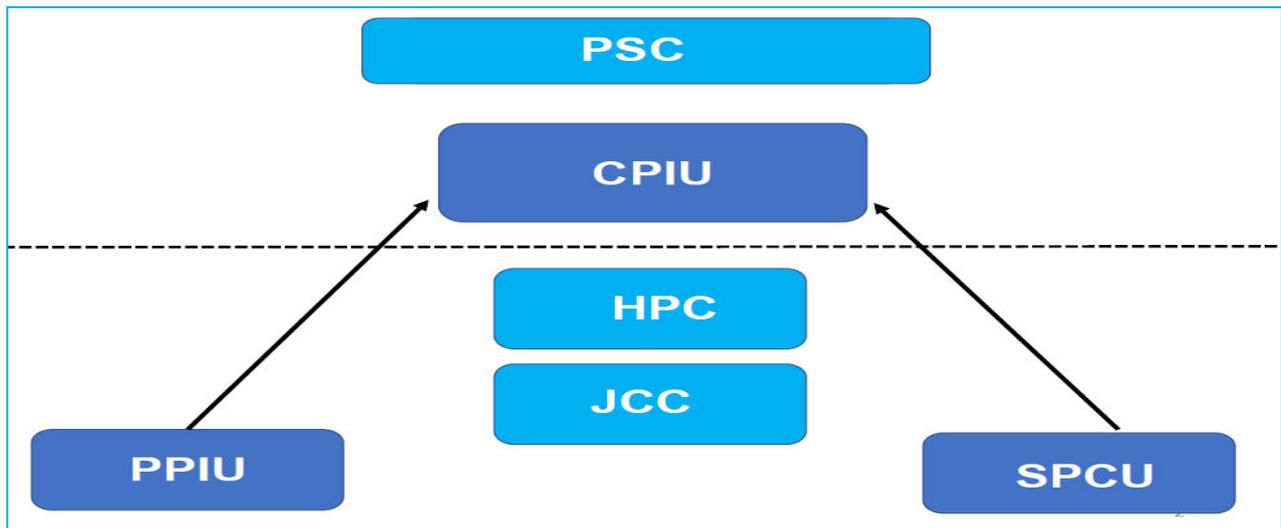
7.1 Administrative Arrangement for Project Implementation

92. Ministry of Power (MoP), GoI has appointed POWERGRID as Implementing Agency (IA) to implement the project in close coordination with the respective state power utilities and departments. POWERGRID will implement the project based on the Implementation/Participation agreements that were signed separately between POWERGRID and the power utilities. . However, the ownership of the assets shall be with respective State government or State Utilities, which upon progressive commissioning shall 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 will 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 shall be housed within the IA's offices at Guwahati. The "Project-In-Charge" of IA & Head of each of the SPCU shall be 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 consist of experts across different areas from the Utility and shall be headed by an officer of the rank not below Chief Engineer, from the Utility.

PMC Project Implementation Unit (PPIU) – 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 will have a Core team stationed at the CPIU on permanent basis and other IA officers (with required skills) will visit as and when required by this core team. This team shall represent IA and shall be responsible for all coordination with SPCU, PIU, within IA and MoP, GoI. CPIU shall also assist MoP, GoI in monitoring project progress and in its coordination with The Bank.



7.2. Review of Project Implementation Progress:

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

- A. Joint Co-ordination Committee (JCC):** IA and SPCU nominate their representatives in a body called JCC to review the project. IA shall specify quarterly milestones or targets, which shall be reviewed by JCC through a formal monthly review meeting. This meeting forum shall be called as Joint Co-ordination Committee Meeting (JCCM). The IA shall convene & keep a record of every meeting. MoP, Gol and The Bank may join as and when needed. Minutes of the meeting will be shared with all concerned and if required, with Gol and The Bank.
- B. High Power Committee (HPC):** The Utility in consultation with its State Government shall arrange 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 shall meet on bimonthly basis or earlier, as per requirement. This forum shall be called as High Power Committee Meeting (HPCM) and the SPCU shall keep a record of every meeting. Minutes of the meeting will be shared with all concerned and if required, with Gol and The Bank.
- C. Contractor's Review Meeting (CRM):** Periodic Review Meeting will be 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 shall be called "Contractor's Review Meeting" (CRM). PIU shall

keep a record of all CRMs, which shall be shared with all concerned and if required, with Gol and The Bank.

- D. A review will be held among MoP, Gol, The Bank, State Government., 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 Gol/ State Government level. Minutes of the meeting shall be prepared by IA and shared with all concerned.

7.3. Arrangement for Safeguard Implementation

94. At the central project implementation level (CPIU) based at Guwahati, POWERGRID has set up an Environmental and Social Management cell (ESMC) which is headed by Dy. General Manager (DGM) to oversee Environmental and Social issues of the projects and to coordinate the SPCU & Site Offices.

95. At the State level, POWERGRID has already set up PPIU at the capital of each participating State. The PPIU is staffed with dedicated multidisciplinary team headed by Project Manager who is also responsible for overseeing and implementing the environmental and social aspects of project in their respective state. The PPIU team is assisted by a dedicated Field Officer (Environment & Social Management) who has been specifically recruited for this purpose by POWERGRID. Moreover, State Utilities have constituted State Project Coordination Unit (SPCU) at each state and also designated their Environmental & Social Officer within SPCU to work in close co-ordination with the PMC Project Implementation Unit of POWERGRID and CPIU team at Guwahati. Major responsibilities of Environment and Social team at State level are conducting surveys on environmental and social aspects to finalize the route/substation land, implementation Environment Management Plan (EMP)/CPTD, co-ordination with the various statutory departments, monitoring EMP/CPTD implementation and producing periodic progress reports to CPIU.

96. In the instant subprojects, POWERGRID will implement the CPTD in close co-ordination with AEGCL/APDCL which includes overall coordination, planning, implementation, financing and maintaining all databases & also work closely with APs and other stakeholders. A central database will also be maintained for regular updation of social assessment & compensation data. State Utilities & POWERGRID will ensure that local governments are involved in the CPTD implementation to facilitate smooth settlement of compensation related activities. Roles and responsibilities of various agencies for CPTD implementation are presented in **Table 7.1**.

Table 7.1: Agencies Responsible for CPTD Implementation

Activity	Agency Responsible	
	Primary	Secondary
Implementing CPTD	Field staffs of POWERGRID & AEGCL/APDCL	
Updating the CPTD	POWERGRID	AEGCL /APDCL
Review and Approval of CPTD	AEGCL /APDCL	POWERGRID
Verification survey for identification of APs	POWERGRID, AEGCL & APDCL field staffs	Revenue Officials
Survey for identification of plots for Crop/Tree/ other damages Compensation	POWERGRID, AEGCL /APDCL	Revenue Officials
Consultation and disclosure of CPTD to APs	POWERGRID, AEGCL /APDCL	Revenue officials
Compensation award and payment of compensation	Revenue Deptt / Competent Authority	POWERGRID, AEGCL /APDCL
Fixing of replace cost and assistance	Revenue Dept / Competent Authority	POWERGRID, AEGCL /APDCL
Payment of replacement cost compensation	POWERGRID, AEGCL /APDCL	Revenue Department
Takeover temporary possession of land/houses	POWERGRID, AEGCL /APDCL	Revenue Department
Hand over temporary possession land to contractors for construction	POWERGRID & AEGCL /APDCL	Contractor
Notify construction starting date to APs	POWERGRID & AEGCL /APDCL Field Staff	Contractor
Restoration of temporarily acquired land to its original state including restoration of private or common property resources	Contractor	POWERGRID, AEGCL /APDCL
Development, maintenance and updating of Compensation database	POWERGRID & AEGCL /APDCL	
Internal monitoring	POWERGRID & AEGCL /APDCL	
External monitoring, if required	POWERGRID & AEGCL /APDCL	

7.4. Responsibility Matrix to manage RoW Compensation

In order to manage the RoW compensation effectively, a Work Time Breakdown (WTB) matrix depicting sequence of activities, timing, agencies responsible have been drawn both for Tree/Crop and Land compensation which will be implemented during project execution.

a) WTB for Tree/Crop Compensation

Activities	Responsibility		Time Schedule
	Primary	Secondary	
Identification of APs (During Tower spotting & Check Survey)	Contractor	POWERGRID & AEGCL/APDCL field staffs	In 3 different Stages i.e. before start of Foundation, Erection & Stringing Works
Serving Notice to APs	POWERGRID & AEGCL/APDCL field staffs	Revenue Dept.,	0 date
Verification of ownership	POWERGRID & AEGCL/APDCL Revenue Dept.	ADC/BTC (if applicable)	0-15 days
Joint Assessment of damages	Revenue Dept. & APs	POWERGRID & AEGCL/APDCL	16-45 days
Payment (online/DD) of compensation to AP*	POWERGRID & AEGCL/APDCL		46-60 days

a) WTB for Land Compensation

Activities	Responsibility		Time Schedule
	Primary	Secondary	
Identification of APs (During Tower spotting and Check Survey)	Contractors	POWERGRID & AEGCL/APDCL field staffs	Before start of Foundation/ Erection & Stringing Works
Fixation of land rate	DC, ADC/BTC (if applicable)	POWERGRID & AEGCL/APDCL	0 date
Serving Notice to APs	POWERGRID & AEGCL/APDCL field staffs	Revenue Dept.,	0-7 days
Assessment of compensation/ Verification of ownership	Revenue Dept./ ADC/BTC,	POWERGRID & AEGCL/APDCL	8-15 days
Payment (online/DD) of compensation to AP*	POWERGRID & AEGCL/APDCL		16-30 days

* AP can approach to DC for any grievance on compensation.

** Discussion for release of certain % as advance is also under progress with Utilities.

Note: Both a and b activities shall run parallelly

VIII. GRIEVANCE REDRESS MECHANISM

97. Grievance Redress Mechanism (GRM) is an integral and important mechanism for addressing/resolving the concern and grievances in a transparent and swift manner. Many minor concerns of peoples are addressed during public consultation process initiated at the beginning of the project. For handling grievance, a two tier GRM consisting of Grievance Redress Committee (GRC) have been constituted i.e. project/scheme level and Corporate/HQ level. The project level GRCs include members from AEGCL/APDCL, POWERGRID, Local Administration, Village Council/Panchayat Members, Affected Persons representative and reputed persons from the society and representative from the autonomous districts council in case of tribal districts selected/decided on nomination basis under the chairmanship of project head. The composition of GRC also disclosed in Panchayat/Village council offices and concerned district headquarter for wider coverage.

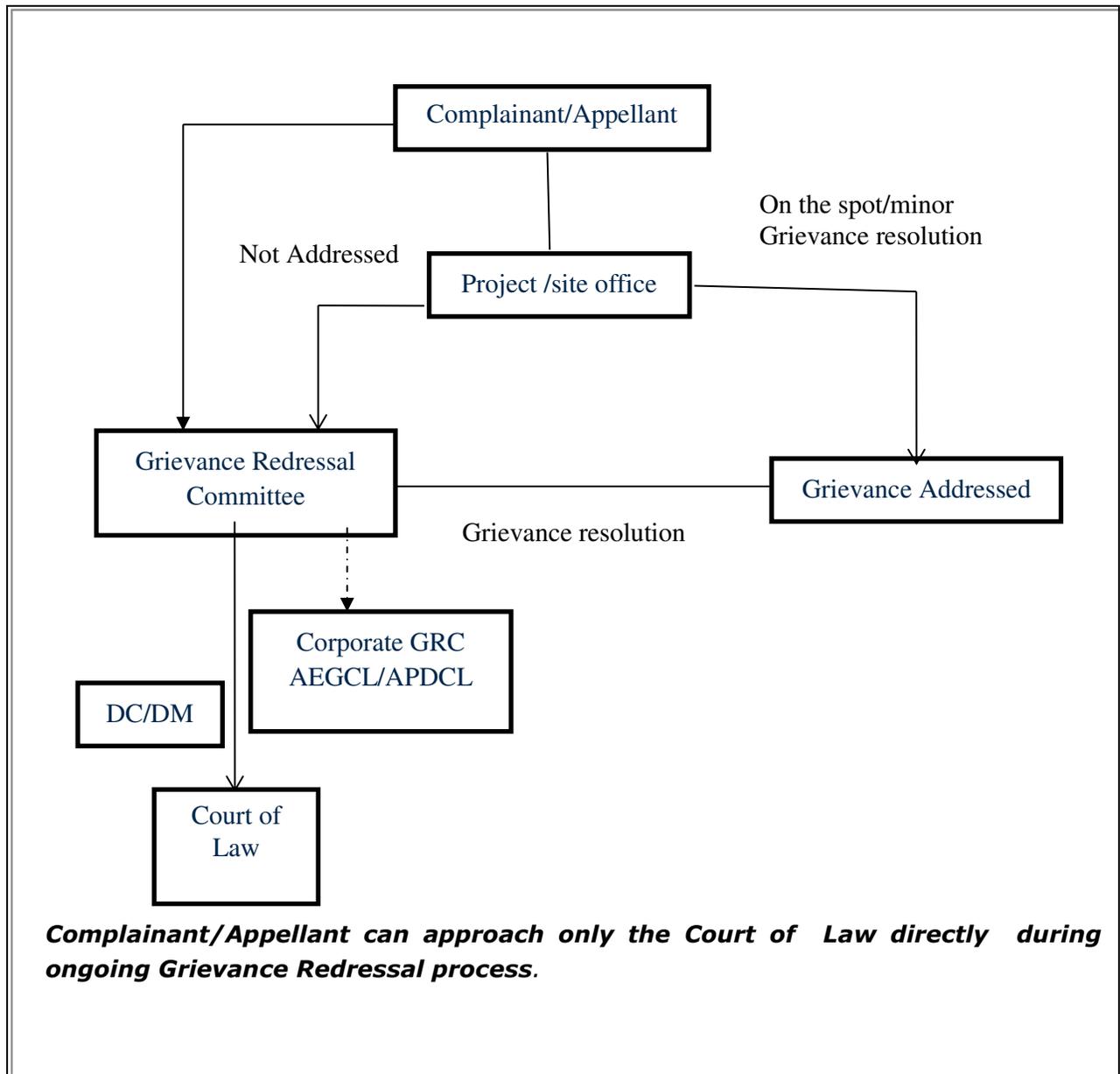
98. The complainant will also be allowed to submit its complaint to local project official who will pass it to GRC immediately but not more than 5 days of receiving such complaint. The first meeting of GRC will be organized within 15 days of its constitution/disclosure to formulate procedure and frequency of meeting. In case of any complaint, GRC meeting shall be convened within 15 days. If Project level GRC is not able to take decision it may refer the complaint to corporate GRC for solution. GRC endeavours to pronounce its decision within 30-45 days of receiving grievances. In case complainant/appellant is not satisfied with the decision of project level GRC they can make an appeal to corporate GRC for review. The proposed mechanism does not impede access to the country's judicial or administrative remedies at any stage.

99. The corporate level GRC function under the chairmanship of Director (PMU) who nominated other members of GRC including one representative from corporate ESMC conversant with the environment & social issues. The meeting of Corporate GRC shall be convened within 7-10 days of receiving the reference from project GRC or complainant directly and pronounce its decision within next 15 days.

100. Apart from above, grievance redressal is 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 authorised representative also provides forum for raising the grievance towards any irregularity/complain. Moreover, AEGCL/APDCL & POWERGRID officials also address to the complaints of affected farmers and the same are forwarded to revenue official for doing the needful. Details are depicted below in **Figure-8.1**:

Figure-8.1: Flow Chart of Grievance Redress Mechanism



IX. BUDGET

101. The CPTD Implementation cost estimate for the project includes eligible compensation for loss of crops/ trees/ huts and support cost for implementation of CPTD, monitoring, other administrative cost etc. A budget provision has also been made for compensation for Tower Base (85% of the land cost) and RoW Corridor (15% of the land cost) as per MoP guidelines and subsequent State Govt. order. Accordingly, the cost has been estimated for proposed 220/132 kV lines only in the budget by including these provisions. However, this is a tentative budget which may change during the original course of implementation. The unit cost for the loss of crop has been derived through rapid field appraisal and based on AEGCL/APDCL & POWERGRID's previous experience of similar project implementation. Contingency provision equivalent to 3% of the total cost has also been made to accommodate any variations from this estimate. Sufficient Budget has been provided to cover all compensation towards crops losses, other damages etc. As per AEGCL/APDCL & POWERGRID's previous projects and strategy for minimization of impacts, an average of 50-60% of the affected land area is expected for compensation for crops and other damages. Structure will be avoided to the extent possible. However, if any structure is affected, budget provisions are available to cover all damages as per entitlement matrix. In any case no residential structure shall be affected. Therefore, provisions of budget expenditure for implementation of CPTD for the subprojects considering corridor 27 meter, 20 meter & 10 meter maximum for 220 kV, 132 kV & 33 kV line respectively.

9.1. Compensation for Land for Tower Base and RoW Corridor

102. The land area for 220 kV and 132 kV tower base are estimated as 0.077 acre and 0.036 acre per km respectively. Similarly, for RoW corridor the areas are estimated as 8.571 acre and 6.635 acre per km 220 kV and 132 kV respectively. The cost of land is estimated @ Rs. 15 lakh/acre considering the land use type as agriculture land in rural setting. Accordingly the cost of land compensation towards tower base & RoW corridor for overhead line is thus estimated as Rs. 1680.25 Lakhs. A detail of cost is given below in **Table 9.1**.

Table 9.1: Cost of Land Compensation for Tower Base & RoW Corridor

Name of Line	Line Length (Km)	Land Area for Tower Base (acre)	Land Area for RoW Corridor* (acre)	Avg. Cost of Land (Lakhs / acre)	Total in Lakhs (Tower base @ 85% & Corridor@15%)
Rupai – Chapakhowa 132 kV S/C on D/C line	44	1.584	291.94	15.00	677.061

Tinsukia -Behiating (New Dibrugarh) 220kV D/C	49.5	3.812	424.26	15.00	1003.188
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* Effective RoW corridor has been considered after excluding tower base area

9.2. Compensation for Crops and Trees

103. The crop compensation is estimated in consultation with revenue authorities in terms of yield/hectare and rate/quantity for prevailing crops in the area. Similarly, tree compensation is calculated on basis of tree enumeration, tree species and an estimate of the yield. In case of fruit bearing trees compensation will be calculated on the basis of 8 years yield (assessed by revenue/horticulture department). Market rates of compensation are assessed by the relevant government authorities. The estimation of crop and tree damages are based on preliminary investigation and accordingly budgetary provisions are made which will be updated during implementation. Details of line wise cost is given in **Table 9.2** below.

Table 9.2: Cost of Compensation for Crops and Trees

Sl. No.	Name of the Line	Total Length (Km)	Compensation /Km (In Lakh)	Total compensation cost for Crops & trees (Lakh)
1	Rupai – Chapakhowa 132 kV S/C on D/C line	44	5.0	220
2	Tinsukia -Behiating (New Dibrugarh) 220kV D/C line	49.5	5.0	247.5
3	Chapakhowa (New) to Chapakhowa (Existing) substation 33 kV	2.617	0.5	1.31
4	Dibrugarh (Existing) to Romai (New) substation 33 kV	17.277	0.5	8.64
5	Behiating (New) to Bogibil (New) substation 33 kV	13.476	0.5	6.74
6	Behiating (New) to Dibrugarh (New) Substation 33 kV	9.341	0.5	4.67
Total				488.86

9.3. Summary of Budget

104. The total indicative cost is estimated to be **INR 2251.17 Lakhs** equivalent to **USD 3.196** million. Details are given in **Table 9.3**. The following estimated budget is part of complete project cost as on date. However, actual updation of the estimated cost shall be updated during execution.

Table 9.3: Summary of Budget

Item	Amount in Lakh (INR)	Amount in (Million USD)
A. Compensation		
A-1: Loss of Crops and Trees	488.86	0.694
A-2: Land Compensation for Tower Base and RoW Corridor	1680.25	2.386
Sub Total-A	2169.11	3.08
B: Implementation Support Cost		
B-1: Man-power involved for CPTD Implem. & Monitoring	11.49	0.016
B-2: External Monitoring, if required	5.00	0.0071
Sub Total- B	16.49	0.0231
Total (A+B)	2185.6	3.103
Contingency (3%)	65.57	0.093
Grand Total	2251.17	3.196

X. IMPLEMENTATION SCHEDULE

105. Following work schedule has been drawn for implementation of CPTD considering letter of award for execution of work placed in end of 2016. Tentative implementation schedule for project including various sub tasks presented in **Table 10.1**.

Table 10.1 Tentative Implementation Schedule

Sl. No.	Activity	2017				2018				2019			
		Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4
1.	Initial CPTD Matrix disclosure												
2.	Detailed Survey												
3.	Public Consultation												
4.	Compensation Plan Implementation												
i)	Compilation of land record, ownership,												
ii)	Finalization of list of APs, fixing rate by DC												
iii)	Serving of Notice to APs												
iv)	Joint assessment & acknowledgement by APs												
v)	Validation of Compensation amount												
vi)	Compensation Payment												
5.	Civil Works												
6.	Review/ Activity Monitoring												
i)	Monthly												
ii)	Quarterly												
iii)	Half yearly												
iv)	Annual												
7.	Grievance redress												
8.	CPTD Documentation												
9.	External Monitoring, if required												

XI. MONITORING AND REPORTING

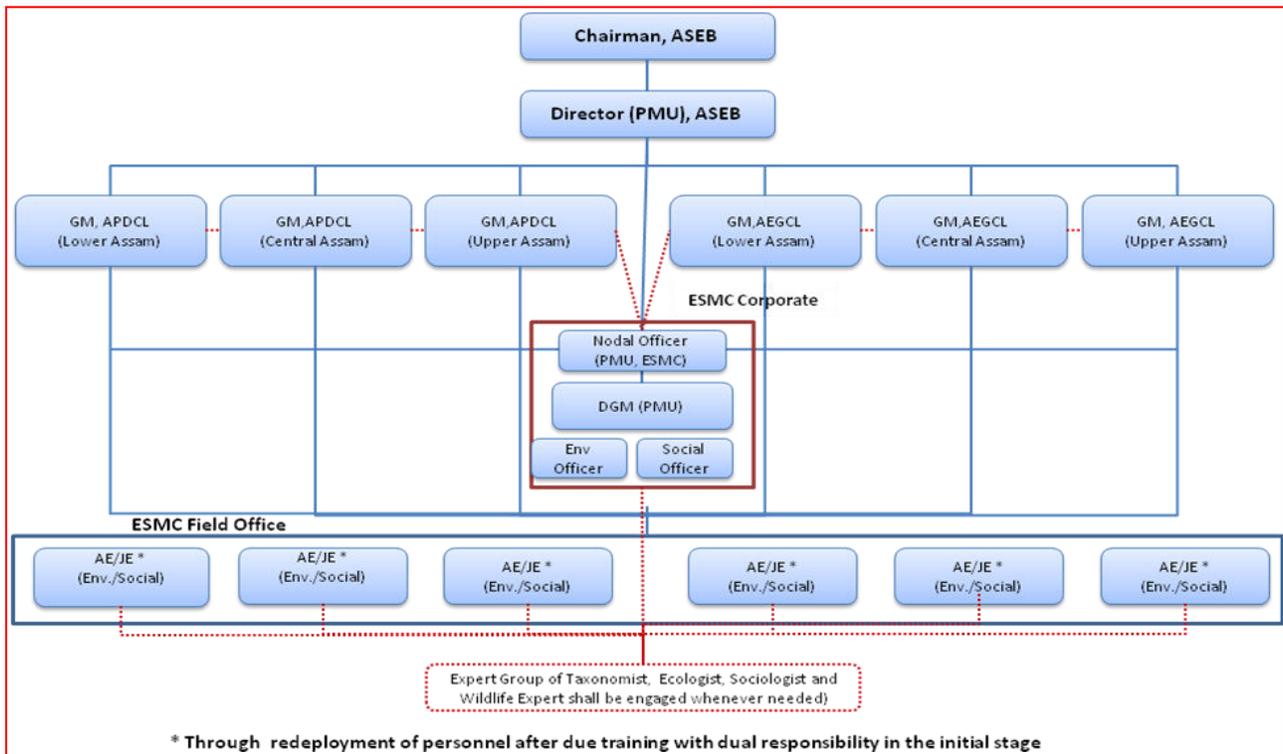
106. Monitoring is a continuous process at all stages of project. Monitoring of CPTD implementation will be the responsibility of POWERGRID as well as the State Utility.

107. Internal monitoring will include: (i) administrative monitoring: daily planning, implementation, feedback and trouble shooting, maintenance, and progress reports and (ii) socio-economic monitoring: compensation for land/crops/trees or any other damages, demolition if any, salvaging materials, dates for consultations and number of grievance/complaints received etc.. Monitoring and reports documenting progress on compensation/ implementation of CPTD will be provided by POWERGRID to World Bank for review semi-annually.

108. If required, POWERGRID/State Utility will engage the services of an independent agency/External monitoring and provisions for the same have been made in the budget component.

109. AEGCL/APDCL is well equipped to implement and monitor its environment and social management plan including CPTD. Organizational Support Structure of AEGCL/APDCL for monitoring of above is given in **Figure-11.1**.

Figure – 11.1: AEGCL/APDCL Support Structure for Safeguard Monitoring



ANNEXURE - 1

EVALUATION OF ALTERNATIVES ROUTE ALIGNMENT

EVALUATION OF ALTERNATIVES ROUTE ALIGNMENT

Three different alignments were studied with the help of Google Maps / published data such as Forest Atlas, Survey of India topographic sheets, etc. and walkover survey to arrive at the most optimum route to be considered for detailed survey. The comparative details of these three alternatives in respect of the proposed line are as follows;

1. Rupai – Chapakhowa 132 kV S/C on D/c line

S.N	Description	Alternative-I	Alternative-II	Alternative-III
1.	Route particulars			
i.	Route Length (km)	44	47.6	56
ii.	Terrain			
	Hilly	Nil	Nil	Nil
	Plain	100%	100%	100%
2.	Environmental impact			
i.	Name of District through which the line passes	Tinsukia	Tinsukia	Tinsukia
ii.	Town in alignment	Rupai & Chapakhowa	Rupai & Chapakhowa	Rupai & Chapakhowa
iii.	House within RoW	Shall be ascertained after detailed survey	Shall be ascertained after detailed survey	Shall be ascertained after detailed survey
iv.	Forest involvement (km)	Nil	Nil	Nil
v.	Type of Forest (RF/PF/Mangrove) and whether part of Wildlife Area/ Elephant corridor/ Biodiversity Hotspots/ Biosphere Reserve/ Wetlands or any other environmentally sensitive area, if any	Nil	Nil	Nil
vi.	Density of Forest	NA	NA	NA
vii.	Type of flora	Tea(<i>Camellia sinensis</i>), Bamboo (<i>Bambusa balcooa</i>), Paddy(<i>Oryza sativa</i>) Banana (<i>Musa acuminata</i>), Pineapple (<i>Ananas comosus</i>), & Betel nut (<i>Areca catechu</i>)	Tea(<i>Camellia sinensis</i>), Bamboo (<i>Bambusa vulgaris</i>), Paddy(<i>Oryza sativa</i>) Banana (<i>Musa acuminata</i>), Pineapple (<i>Ananas comosus</i>), & Betel nut (<i>Areca catechu</i>)	Tea(<i>Camellia sinensis</i>), Bamboo (<i>Bambusa vulgaris</i>), Paddy(<i>Oryza sativa</i>) Banana (<i>Musa acuminata</i>), Pineapple (<i>Ananas comosus</i>), & Betel nut (<i>Areca catechu</i>)
viii.	Type of fauna	Assamese Macaque (<i>Macaca assamensis</i>), Grey Peacock Pheasant (<i>Polyplectron bicalcaratum</i>), Asian Toad(<i>Bufo melanostictus</i>) and common fauna like Fox, Monkey also found	Assamese Macaque (<i>Macaca assamensis</i>), Grey Peacock Pheasant (<i>Polyplectron bicalcaratum</i>), Asian Toad(<i>Bufo melanostictus</i>) and common fauna like Fox, Monkey also found	Assamese Macaque (<i>Macaca assamensis</i>), Grey Peacock Pheasant (<i>Polyplectron bicalcaratum</i>), Asian Toad(<i>Bufo melanostictus</i>) and common fauna like Fox, Monkey also found

S.N	Description	Alternative-I	Alternative-II	Alternative-III
ix.	Endangered species, if any	Nil	Nil	Nil
x.	Historical/cultural Monuments, if any	Nil	Nil	Nil
xi.	Others relevant information	Line is mostly passing through paddy and tea garden area in some portion.	A portion of the line (Approx. 3.5 km) is passing through Govt. land having medium dense tree cover.	A portion of the line (Apprx. 3.5 km) is passing through Govt. land having medium dense tree cover.
3	Compensation Cost			
i.	Crop (Non Forest)	Provision of 5 Lakhs/km kept in the budget	Provision of 5 Lakhs/km kept in the budget	Provision of 5 Lakhs/km kept in the budget
ii.	Forest (CA+NPV)	N.A.	N.A.	N.A.
4.	Major Crossings:			
i.	Highway (NH/SH)	2	2	2
ii.	Power Line (Nos.)	Nil	Nil	Nil
iii.	Railway Line (Nos.)	Nil	Nil	Nil
iv.	River Crossing (Nos.)	1	3	3
5.	Overall remarks	Shortest in line length and easier access as it is routed along NH-37 having with minimum tree felling	Line length is more and difficulty in accessibility in comparison to Alt-1. It also involve more no. of river crossing & more tree felling	Line length is longest and involves more tree felling. Access is very difficult as the route is not easily accessible and away from roads

From the above comparison of the three different alternatives, it is evident that although there is no forest involvement in all the three routes, Alternative- I is found to be shortest route and is easily accessible due to its proximity to existing approach roads as compared to other two alternatives. Hence, lesser degree of construction and O&M problems are anticipated. Also, since route is shorter in length, it will involve minimum tree felling. Hence, **Alternative - I** is considered as the most optimized route and recommended for detailed survey.

2. Tinsukia – Behiating 220 kV D/c line

S.N	Description	Alternative-I	Alternative-II	Alternative-III
1.	Route particulars			
i.	Route Length (km)	49.50	49.87	50.27
ii.	Terrain			
	Hilly	Nil	Nil	Nil
	Plain	100%	100%	100%
2.	Environmental impact			
i.	Name of District through which the line passes	Tinsukia & Dibrugarh	Tinsukia & Dibrugarh	Tinsukia & Dibrugarh
ii.	Town in alignment	Tinsukia & Dibrugarh	Tinsukia & Dibrugarh	Tinsukia & Dibrugarh

S.N	Description	Alternative-I	Alternative-II	Alternative-III
iii.	House within RoW	Shall be ascertained after detailed survey	Shall be ascertained after detailed survey	Shall be ascertained after detailed survey
iv.	Forest involvement (km)	Nil	Nil	Nil
v.	Type of Forest (RF/PF/Mangrove) and whether part of Wildlife Area/ Elephant corridor/ Biodiversity Hotspots/ Biosphere Reserve/ Wetlands or any other environmentally sensitive area, if any	Nil	Nil	Nil
vi.	Density of Forest	NA	NA	NA
vii.	Type of flora	Tea(<i>Camellia sinensis</i>), Bamboo (<i>Bambusa balcooa</i>), Paddy(<i>Oryza sativa</i>) Banana (<i>Musa acuminata</i>), Pineapple (<i>Ananas comosus</i>), & Betel nut (<i>Areca catechu</i>)	Tea(<i>Camellia sinensis</i>), Bamboo (<i>Bambusa vulgaris</i>), Paddy(<i>Oryza sativa</i>) Banana (<i>Musa acuminata</i>), Pineapple (<i>Ananas comosus</i>), & Betel nut (<i>Areca catechu</i>)	Tea(<i>Camellia sinensis</i>), Bamboo (<i>Bambusa vulgaris</i>), Paddy(<i>Oryza sativa</i>) Banana (<i>Musa acuminata</i>), Pineapple (<i>Ananas comosus</i>), & Betel nut (<i>Areca catechu</i>)
viii.	Type of fauna	Assamese Macaque (<i>Macaca assamensis</i>), Grey Peacock Pheasant (<i>Polyplectron bicalcaratum</i>), Asian Toad(<i>Bufo melanostictus</i>) and common fauna like Fox, Monkey also found	Assamese Macaque (<i>Macaca assamensis</i>), Grey Peacock Pheasant (<i>Polyplectron bicalcaratum</i>), Asian Toad(<i>Bufo melanostictus</i>) and common fauna like Fox, Monkey also found	Assamese Macaque (<i>Macaca assamensis</i>), Grey Peacock Pheasant (<i>Polyplectron bicalcaratum</i>), Asian Toad(<i>Bufo melanostictus</i>) and common fauna like Fox, Monkey also found
ix.	Endangered species, if any	Nil	Nil	Nil
x.	Historical/cultural Monuments, if any	Nil	Nil	Nil
xi.	Others relevant information	The line is passing mostly through agricultural land and small tea gardens. No major tree cover is encountered along the route.		
3	Compensation Cost			
iii.	Crop (Non Forest)	Provision of 5 Lakhs/km kept in the budget	Provision of 5 Lakhs/km kept in the budget	Provision of 5 Lakhs/km kept in the budget
iv.	Forest (CA+NPV)	N.A.	N.A.	N.A.
4.	Major Crossings:			
v.	Highway (NH/SH)	1	1	1
vi.	Power Line (Nos.)	Nil	Nil	Nil

S.N	Description	Alternative-I	Alternative-II	Alternative-III
vii.	Railway Line (Nos.)	1	1	1
viii.	River Crossing (Nos.)	Nil	Nil	Nil
5.	Overall remarks	Shorter in length and easier access as it is routed along existing road	Line length is more in comparison to Alt-1 and also difficulty in accessibility.	Access is very difficult due to non-existing roads and paths up to the route and line length is highest

From the above comparison of the three different alternatives, it is evident that although there is no forest involvement in all the three routes, Alternative- I is found to be shortest route and is easily accessible due to its proximity to existing approach roads as compared to other two alternatives. Hence, lesser degree of construction and O&M problems are anticipated. Also, since route is shorter in length, it will involve minimum tree felling. Hence, **Alternative - I** is considered as the most optimized route and recommended for detailed survey.

3. Chapakhowa (New) to Chapakhowa (Existing) substation 33 kV line

The said distribution line connects two substations in close vicinity which is intended for providing power supply to the predestined area. The line length is only 2.617 km and has negligible environment and social impact including no involvement of any forest area. Hence, no alternative have been studied for the subject line.

4. Dibrugarh (Existing) to Romai (New) substation 33 kV line

S.N	Description	Alternative-I	Alternative-II	Alternative-III
1.	Route particulars			
iii.	Route Length (km)	17.277	21.8	22
iv.	Terrain			
	Hilly	Nil	Nil	Nil
	Plain	100%	100%	100%
2.	Environmental impact			
xii.	Name of District through which the line passes	Dibrugarh	Dibrugarh	Dibrugarh
xiii.	Town in alignment	Dibrugarh	Dibrugarh	Dibrugarh
xiv.	House within RoW	Shall be ascertained after detailed survey	Shall be ascertained after detailed survey	Shall be ascertained after detailed survey
xv.	Forest involvement (km)	Nil	Nil	Nil
xvi.	Type of Forest (RF/PF/Mangrove) and whether part of Wildlife Area/ Elephant corridor/ Biodiversity Hotspots/ Biosphere Reserve/ Wetlands or any other environmentally sensitive area, if any	Nil	Nil	Nil
xvii.	Density of Forest	NA	NA	NA

S.N	Description	Alternative-I	Alternative-II	Alternative-III
xviii.	Type of flora	Tea(<i>Camellia sinensis</i>), Bamboo (<i>Bambusa balcooa</i>), Paddy(<i>Oryza sativa</i>) Banana (<i>Musa acuminata</i>), Pineapple (<i>Ananas comosus</i>), & Betel nut (<i>Areca catechu</i>)	Tea(<i>Camellia sinensis</i>), Bamboo (<i>Bambusa vulgaris</i>), Paddy(<i>Oryza sativa</i>) Banana (<i>Musa acuminata</i>), Pineapple (<i>Ananas comosus</i>), & Betel nut (<i>Areca catechu</i>)	Tea(<i>Camellia sinensis</i>), Bamboo (<i>Bambusa vulgaris</i>), Paddy(<i>Oryza sativa</i>) Banana (<i>Musa acuminata</i>), Pineapple (<i>Ananas comosus</i>), & Betel nut (<i>Areca catechu</i>)
xix.	Type of fauna	Assamese Macaque (<i>Macaca assamensis</i>), Grey Peacock Pheasant (<i>Polyplectron bicalcaratum</i>), Asian Toad(<i>Bufo melanostictus</i>) and common fauna like Fox, Monkey also found	Assamese Macaque (<i>Macaca assamensis</i>), Grey Peacock Pheasant (<i>Polyplectron bicalcaratum</i>), Asian Toad(<i>Bufo melanostictus</i>) and common fauna like Fox, Monkey also found	Assamese Macaque (<i>Macaca assamensis</i>), Grey Peacock Pheasant (<i>Polyplectron bicalcaratum</i>), Asian Toad(<i>Bufo melanostictus</i>) and common fauna like Fox, Monkey also found
xx.	Endangered species, if any	Nil	Nil	Nil
xxi.	Historical/cultural Monuments, if any	Nil	Nil	Nil
xxii.	Others relevant information	Route is mostly passing along with the state/ village roads and also some portion through agriculture /paddy fields to avoid heavily populated area	Some portion of the line is passing through govt. land having medium dense tree cover.	Some portion of the line is passing through govt. land having medium dense tree cover.
3	Compensation Cost			
v.	Crop (Non Forest)	Provision of 0.5 Lakhs/km kept in the budget	Provision of 0.5 Lakhs/km kept in the budget	Provision of 0.5 Lakhs/km kept in the budget
vi.	Forest (CA+NPV)	N.A.	N.A.	N.A.
4.	Major Crossings:			
ix.	Highway (NH/SH)	Nil	Nil	Nil
x.	Power Line (Nos.)	Nil	Nil	Nil
xi.	Railway Line (Nos.)	Nil	Nil	Nil
xii.	River Crossing (Nos.)	Nil	2	2
5.	Overall remarks			
		Shorter in length and easier access as it is routed along existing village/ state road	Line length is more in comparison to Alt-1 and also involve more no. of river crossing & more tree felling	Highest in line length and Access is very difficult due to route is little away existing roads. It also involve more no. of river crossing & more tree felling

From the above comparison of the three different alternatives, it is evident that although there is no forest involvement in all the three routes, Alternative- I is found to be shortest

route involving minimum tree felling and is easily accessible due to its proximity to existing village/state roads as compared to other two alternatives. As lesser degree of environmental impacts as well as construction and O&M problems is anticipated, **Alternative-I** is considered as the most optimized route and recommended for detailed survey.

5. Behiating (New) to Bogibil (New) substation 33 kV line

S.N	Description	Alternative-I	Alternative-II	Alternative-III
1.	Route particulars			
v.	Route Length (km)	15.262	13.476	16.54
vi.	Terrain			
	Hilly	Nil	Nil	Nil
	Plain	100%	100%	100%
2.	Environmental impact			
xxiii.	Name of District through which the line passes	Dibrugarh	Dibrugarh	Dibrugarh
xxiv.	Town in alignment	Dibrugarh	Dibrugarh	Dibrugarh
xxv.	House within RoW	Shall be ascertained after detailed survey	Shall be ascertained after detailed survey	Shall be ascertained after detailed survey
xxvi.	Forest involvement (km)	Nil	Nil	Nil
xxvii.	Type of Forest (RF/PF/Mangrove) and whether part of Wildlife Area/ Elephant corridor/ Biodiversity Hotspots/ Biosphere Reserve/ Wetlands or any other environmentally sensitive area, if any	Nil	Nil	Nil
xxviii.	Density of Forest	NA	NA	NA
xxix.	Type of flora	Tea(<i>Camellia sinensis</i>), Bamboo (<i>Bambusa balcooa</i>), Paddy(<i>Oryza sativa</i>) Banana (<i>Musa acuminata</i>), Pineapple (<i>Ananas comosus</i>), & Betel nut (<i>Areca catechu</i>)	Tea(<i>Camellia sinensis</i>), Bamboo (<i>Bambusa vulgaris</i>), Paddy(<i>Oryza sativa</i>) Banana (<i>Musa acuminata</i>), Pineapple (<i>Ananas comosus</i>), & Betel nut (<i>Areca catechu</i>)	Tea(<i>Camellia sinensis</i>), Bamboo (<i>Bambusa vulgaris</i>), Paddy(<i>Oryza sativa</i>) Banana (<i>Musa acuminata</i>), Pineapple (<i>Ananas comosus</i>), & Betel nut (<i>Areca catechu</i>)
xxx.	Type of fauna	Assamese Macaque (<i>Macaca assamensis</i>), Grey Peacock Pheasant (<i>Polyplectron bicalcaratum</i>), Asian Toad(<i>Bufo melanostictus</i>) and common fauna like Fox, Monkey also found	Assamese Macaque (<i>Macaca assamensis</i>), Grey Peacock Pheasant (<i>Polyplectron bicalcaratum</i>), Asian Toad(<i>Bufo melanostictus</i>) and common fauna like Fox, Monkey also found	Assamese Macaque (<i>Macaca assamensis</i>), Grey Peacock Pheasant (<i>Polyplectron bicalcaratum</i>), Asian Toad(<i>Bufo melanostictus</i>) and common fauna like Fox, Monkey also found
xxxi.	Endangered species, if any	Nil	Nil	Nil
xxxii.	Historical/cultural Monuments, if any	Nil	Nil	Nil

S.N	Description	Alternative-I	Alternative-II	Alternative-III
xxiii.	Others relevant information	Some portion of the line is passing through govt. land having medium dense tree cover.	Route is mostly passing along with the state/ village roads	Some portion of the line is passing through govt. land having medium dense tree cover.
3	Compensation Cost			
vii.	Crop (Non Forest)	Provision of 0.5 Lakhs/km kept in the budget	Provision of 0.5 Lakhs/km kept in the budget	Provision of 0.5 Lakhs/km kept in the budget
viii.	Forest (CA+NPV)	N.A.	N.A.	N.A.
4.	Major Crossings:			
xiii.	Highway (NH/SH)	Nil	Nil	Nil
xiv.	Power Line (Nos.)	Nil	Nil	Nil
xv.	Railway Line (Nos.)	Nil	Nil	Nil
xvi.	River Crossing (Nos.)	1	Nil	1
5.	Overall remarks	Line length is more in comparison to Alt-II and approach is moderate	Shorter in length an easier access as it is routed along existing village/state road.	Highest in line length and Access is very difficult due to route is little away existing roads.

From the above comparison of the three different alternatives, it is evident that although there is no forest involvement in all the three routes, Alternative- II is found to be shortest route involving minimum tree felling and is easily accessible due to its proximity to existing village/state roads as compared to other two alternatives. As lesser degree of environmental impacts as well as construction and O&M problems is anticipated, **Alternative-II** is considered as the most optimized route and recommended for detailed survey.

6. Behiating (New) to Dibrugarh (New) substation 33 kV line

The said distribution line connects two substations in close vicinity which is intended for providing power supply to the predestined area. The line length is only 9.341 km and has negligible environment and social impact including no involvement of any forest area. Hence, no alternative have been studied for the subject line.

ANNEXURE - 2

***MOP GUIDELINES DATED 15TH OCT.'15
FOR PAYMENT OF COMPENSATION FOR
TRANS 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.

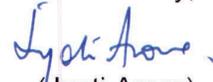
During the Power Ministers Conference held on April 9-10, 2015 at Guwahati with States/UTs, it has, *inter alia*, been decided to constitute a Committee under the chairmanship of Special Secretary, Ministry of Power to analyse the issues related to Right of Way for laying of transmission lines in the 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 guidelines considering 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 - 3

***GOVT. OF ASSAM NOTIFICATION DATED
16TH MARCH 2016 ON ROW
COMPENSATION***

**GOVERNMENT OF ASSAM
POWER (ELECTRICITY) DEPARTMENT
DISPUR, GUWAHATI - 6**

NOTIFICATION

Dated Dispur the 10th March, 2017

No. PEL.219/2015/91: The Governor of Assam is pleased to notify the following rates for payment of compensation towards damages in regard to Right of Way for transmission lines. In accordance with the Guidelines of Ministry of Power, Govt. of India, vide Ref. No. 03/07/2015-Trans, dtd. 15.10.2015 for maintaining uniformity in compensation payment to the affected land owners during construction of transmission lines, it has been decided that a similar payment methodology towards compensation shall also be adopted in the State of Assam. These guidelines of payment methodology of compensation towards "damages" as stipulated in Section 67 & 68 of the Electricity Act, 2003 read with Section 10 and 16 of Indian Telegraph Act 1885 shall be in addition to the compensation towards normal crop and tree damages. This amount will be payable only for transmission lines supported by tower base of 66 KV and above, and not for sub-transmission and distribution lines below 66KV.

- Compensation @85% of land value as determined by Deputy Commissioner / BTC or any other competent authority based on Circle rate / Guideline value / Stamp Act rates for tower base area (between four legs at ground level) impacted severely due to installation of tower / pylon structure.
- 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 at a maximum rate of 15% of land value as determined by Deputy Commissioner or any other competent authority based on Circle rate / Guideline value / Stamp Act rates.

For this purpose, the width of ROW corridor shall not be more than that prescribed in table at Annexure-I and shall not be less than the width directly below the conductors.

- 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.

The above guidelines shall be effective from the date of issuance of the above mentioned Government of India guidelines and shall be applicable for only those new transmission line / projects where construction have started after this date, i.e. 15.10.2015. This guideline shall not be applicable for existing transmission lines which are already in service or under construction before the aforesaid date, or for maintenance of any existing transmission line.



Annexure - I

ROW width for different voltage line*

Transmission Voltage	Width of Right of Way (in Meters)
66KV	18
110 KV	22
132KV	27
220 KV	35
400KV S/C	46
400KV D/C	46
+/-500KV HVDC	52
765 KV S/C (with delta configuration)	64
765 KV D/C	67
+/-800KV HVDC	69
1200 KV	89

* Width of Right of Way is as per Ministry of Environment & Forests (MoEF) guidelines dtd. 05.05.2014.

This issues with the concurrence of Revenue & Disaster Management Department, Govt. of Assam, as well as the Finance Department, Govt. of Assam.

-Sd/-

(Sri. Rajiv Kr. Bora, I.A.S.)
Additional Chief Secretary to the Govt. of Assam,
Power (Electricity), etc. Department

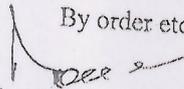
Memo No.PEL.219/2015/91-A

Copy to:

Dated Dispur the 10th March, 2017

- (1) The Managing Director, Assam Electricity Grid Corp. Ltd. (AEGCL), Bijulce Bhawan, Guwahati - 1
- (2) The Executive Director, Power Grid Corp. of India Ltd. (PGCIL), Monal Tower, Dispur, Guwahati - 6
- (3) P.S. to Hon'ble Chief Minister, Assam, Dispur, Guwahati - 6
- (4) P.S. to Hon'ble Minister of State, Assam, Power, etc., Dispur, Guwahati - 6
- (5) P.S. to the Addl. Chief Secretary to the Govt. of Assam, Revenue & Disaster Management Department, Department, Dispur, Guwahati - 6
- (6) P.S. to the Chairman, APDCL, AEGCL, APGCL, Bijulce Bhawan, Guwahati - 1
- (7) P.S. to Secretary to the Govt. of Assam, Power (Elect.), etc. Department, Dispur, Guwahati-6
- (8) The Director, Assam Government Press, Bamunimaidam, Guwahati-21, Assam, for necessary action.

By order etc.,


Joint Secretary to the Govt. of Assam,
Power (Elect.) Deptt.

ANNEXURE - 4

***DETAILS OF TOWER/POLE SCHEDULE
OF PROPOSED LINES ROUTE
ALIGNMENT***

POWER MECH PROJECTS LIMITED

Rupai-Chapakhowa T/Line for Assam 132 KV S/C (On D/O Tower)

PROPOSED ROUTE RED COLOUR LINE (ROUTE-C)

S.NO	AP NO	Section Length	GPS-CO-Ordinates OLD		GPS-CO-Ordinates NEW		Major Crossing Details	REMARKS
			Northing	Easting	Northing	Easting		
1	Rupai ss							
2	AP/TT	88			27°35'51.54"	95°34'02.63"		
3	AP1/0	81			27°35'52.26"	95°33'59.56"		
4	AP2/0	180			27°35'53.71"	95°33'56.85"		
5	AP3/0	227			27°35'58.31"	95°33'53.06"		
6	AP4/0	119			27°36'05.07"	95°33'50.62"		
7	AP5/0	614			27°36'07.95"	95°33'47.40"		
8	AP6/0	348			27°36'27.60"	95°33'51.30"	NH 37 Crossing T/T	
9	AP6A/0	144			27°36'38.90"	95°33'51.74"	Tea Estate	
10	AP6B/0	219			27°36'41.37"	95°33'56.25"	Tea Estate	
11	AP6C/0	248			27°36'48.38"	95°33'57.71"	Tea Estate	
12	AP6D/0	532			27°36'56.54"	95°33'57.87"	Tea Estate, Nalla	
13	AP6E/0	860			27°37'12.11"	95°34'05.17"	Tea Estate	
		314			27°37'35.59"	95°34'22.11"	Tea Estate, T.T. Kancha Road	

To Avoide 132 KV Line Crossing for Two times and a Tea factory as well as local villages



RUPAI CHAPAKHOWA
 Engineer / MANAGER
 ১৩২ কি.বি.সি. লাইন
 চাপখোৱা, অসম
 NERPSIP/POWERGRID

Dr. R. D. Datta
 Resident Engineer
 ১৩২ কি.বি.সি. লাইন
 চাপখোৱা, অসম
 NERPSIP, POWERGRID
 132 KV Gnd Sub Station
 AEGCL, Rupai

17	AP9/0	406	27°37'59.58"	95°34'32.85"	27°38'09.42"	95°34'42.75"	Tea Estate, Nalla
18	AP10/0	568			27°38'24.09"	95°34'53.09"	Kaccha Road, LT
19	AP10/A	302			27°38'34.21"	95°34'51.44"	
20	AP10/B	260			27°38'42.45"	95°34'49.18"	
21	AP10/C	528			27°38'58.63"	95°34'43.21"	
22	AP11/0	264	27°39'07.07"	95°34'41.01"			
23	AP11A/0	617	27°39'26.01"	95°34'48.06"			Bypass Road, Metal Road, LT
24	AP12/0	1785			27°40'22.66"	95°34'02.18"	Kaccha Rd, Nalla
25	AP13/0	306			27°40'32.45"	95°35'04.71"	Kaccha Rd
26	AP14/0	416			27°40'45.91"	95°35'03.21"	
27	AP15/0	365			27°40'57.41"	95°35'04.60"	Nalla
28	AP16/0	312			27°41'07.51"	95°35'07.73"	
29	AP17/0	350			27°41'15.03"	95°35'17.43"	Nalla, Kaccha Rd, LT

To make the new line straight forward

To avoide Villages Talap 15, Inglo Singli & Bar Singli



JODHPUR
 J. S. GUHA
 J. S. GUHA / MANAGER
 POWERGRID
 ताराग्रह / POWERGRID
 NERPSIP Patrakhera, Chapakhona

27/04/18
 J. S. DUTTA
 J. S. DUTTA / Dy. Manager
 POWERGRID
 ताराग्रह / POWERGRID
 NERPSIP, ताराग्रह, Chapakhona

27/04/18
 Resident Engineer
 Station
 132 KV Grid Sub
 AEGOL, Papper

47	AP29/0	63				27°46'32.87"	95°39'21.37"		
46	AP28/0	111				27°46'30.62"	95°39'18.33"		
45	AP27/E	454				27°46'27.30"	95°39'02.18"		
44	AP27/D	227				27°46'22.33"	95°38'56.09"		Ree Route by Habbib Khan dt-7/4/18
43	AP27/C	234				27°46'18.08"	95°38'49.05"	LT, Nalla	
42	AP27/B	248				27°46'14.66"	95°38'40.85"	Nalla	
41	AP27/A	217				27°46'09.75"	95°38'34.97"	LT, Nalla	
40	AP27/0	1678				27°45'25.08"	95°38'00.33"	Kachha Rd, LT, Nalla	
39	AP26/0	342				27°45'14.55"	95°37'56.85"	Kachha Rd	
38	AP25/0	143				27°45'09.99"	95°37'58.05"	NH 37 Crossing, 11 KV LINE	
37	AP24/0	746				27°44'45.83"	95°38'01.26"	Kachha Rd, LT	
36	AP23/0	1365				27°44'04.93"	95°37'42.25"	LT	
35	AP22/0	665				27°43'48.25"	95°37'26.68"	Kachha Rd, Nalla, LT	
34	AP21A	1248				27°43'11.88"	95°37'06.66"	Metal Rd, LT	
33	AP21/0	896				27°42'50.83"	95°36'44.07"	Kachha Rd, LT	
32	AP20/0	836				27°42'25.49"	95°36'33.25"		
31	AP19/0	716				27°42'08.07"	95°36'16.01"	Metal Rd, LT	
30	AP18/0	400				27°42'03.74"	95°36'02.34"		




 J. K. Singh / MANAGER
 पावर ग्रीड / POWERGRID
 चण्डीगढ़ / Chandigarh, CHAPAKHOWA
 NERPSIP/PAKAR, CHAPAKHOWA


 P. K. Singh / Dy. Manager
 पावर ग्रीड / POWERGRID
 चण्डीगढ़ / Chandigarh, Chapakhowa
 Resident Engineer
 132 KV Grid Sub Station
 AEGCL, Rupai

To avoid Bokapather Village, Bhupen Hazarika Bridge & Proposed Hellipade

AP30/0	497.06	27°46'37"	95°39'44.1"	27°46'50.19"	95°39'18.86"	Brahmaputra River Crossing
loc no 30/1	475	27°47'5.8"	95°39'35.4"	27°47'05.93"	95°39'16.53"	
loc no 30/2	485	27°47'21.7"	95°39'30.6"	27°47'21.54"	95°39'14.10"	
loc no 30/3	475	27°47'37.5"	95°39'25.8"	27°47'36.92"	95°39'11.79"	
loc no 30/4	495	27°47'53.1"	95°39'21.1"	27°47'52.65"	95°39'09.46"	
loc no 30/5	459	27°48'08.2"	95°39'16.4"	27°48'07.69"	95°39'07.15"	
loc no 30/6	475	27°48'23.3"	95°39'11.8"	27°48'22.87"	95°39'04.88"	
loc no 30/7	456	27°48'39"	95°39'7.1"	27°48'37.55"	95°39'02.64"	
loc no 30/8	482	27°48'54.7"	95°39'2.3"	27°48'53.09"	95°39'00.36"	
loc no 30/9	491.12	27°49'08.5"	95°38'58.2"	27°49'08.85"	95°38'57.94"	
AP31/0	99	27°49'12.14"	95°38'57.44"			
AP31A/0	359					
AP32/0	1451					
AP33/0	1150					
AP34/0						



Mr. P. S. JHA
 Manager / MANAGER
 POWERGRID
 भारतीय विद्युत नियंत्रण बोर्ड, चापकोवा
 NERPSIP, चापकोवा

Mr. P. P. Dutta
 Dy. Manager / Dy. Manager
 POWERGRID
 भारतीय विद्युत नियंत्रण बोर्ड, चापकोवा
 NERPSIP, चापकोवा
 Resident Engineer
 132 KV Grid Sub Station
 AEGCL, Rupai

Ree Route by Habbib Khan dt-8/4/18
 Ree Route by Habbib Khan dt-8/4/18

TINSUKIA TO DIBRUGARH 220 KV D/C , T/L LINE						
NEW ROUTE ALIGNMENT SURVEY NO - 1						
AP NO	LOCATION NO	NORTHING	EASTING	SPAN	MAJOR CROSSING DETAIL	REMARKS
	BAY	27°28'50.5"	95°22'42.2"	30		VILL:- TINSUKIA
1	1/0	27°28'50.67"	95°22'41.26"	35		VILL:- TINSUKIA (* weight span beyond the permissible limit)
2	2/0	27°28'50.50"	95°22'40.22"	165	1 nos 11kV, 2 nos 132kV power line	VILL:- TINSUKIA
3	3/0	27°28'45.53"	95°22'37.76"	110	1 nos 66kV power line	VILL:- TINSUKIA
4	4/0	27°28'42.29"	95°22'36.47"	635	33kV power line	VILL.- BHIMPARA
5	5/0	27°28'30.43"	95°22'17.692"	309	11kV power line	VILL.- BHIMPARA
6	6/0	27°28'20.80"	95°22'13.76"	265	33kV power line	VILL.- BHIMPARA
7	7/0	27°28'12.74"	95°22'10.922"	465		VILL.- BHIMPARA
8	8/0	27°27'58.00"	95°22'08.29"	340	a vill bitumen road & 11kV power line	
9	9/0	27°27'47.74"	95°22'04.26"	550		
10	10/0	27°27'37.96"	95°21'47.656"	210	a bitumen road to Tinsukia & a 11kV power line	VILL.- SEWPUR
11	11/0	27°27'35.53"	95°21'40.52"	232	a bitumen road to Digboy (SH)	VILL.- SEWPUR
12	12/0	27°27'38.60"	95°21'32.797"	690		VILL.- SEWPUR
13	13/0	27°27'44.957 "	95°21'8.721"	206	Rail Track (Tinsukia to Bhadur Chariali) a bitumen road to Tinsukia, a 11kV power line and telephone line	VILL.- JINGHA
14	14/0	27°27'45.269 "	95°21'1.212"	1021	1 bitumen road	VILL.- JINGHA
15	15/0	27°27'38.425 "	95°20'24.851"	1010	Tingrai River	VILL.- JINGHA
16	16/0	27°27'40.57"	95°19'48.29"	665		VILL.- JINGHA
17	17/0	27°27'46.352 "	95°19'24.783"	1046		VILL.-KADOMANI
18	18/0	27°27'42.97"	95°18'46.891"	1710	11kV power line	VILL.-KADOMANI
19	19/0	27°27'34.93"	95°17'45.3"	1030	11kV power line	VILL.- KUKURAKHOOA
20	20/0	27°27'19.22"	95°17'12.187"	337	1 bitumen road	VILL.- KUKURAKHOOA
21	21/0	27°27'20.61"	95°17'0.021"	3253		VILL.- KUKURAKHOOA
22	22/0	27°27'14.50"	95°15'1.766"	1712	11kV power line and	VILL.- KUKURAKHOOA

					a bitumen road to Panitola	
23	23/0	27°27'20.30"	95°13'59.763"	624		VILL.- BALIJAN NAHONI
24	24/0	27°27'29.63"	95°13'39.612"	502	1 bitumen road	VILL.- BAMSUBANI
25	25/0	27°27'34.02"	95°13'21.993"	951		VILL.- BAMSUBANI
26	26/0	27°27'44.58"	95°12'49.443"	1695	a bitumen road to Chabua	VILL.- CHABUA
27	27/0	27°27'25.50"	95°11'51.54"	2555	a bitumen road to Chabua Takhat	VILL. - KORAPATTI
28	28/0	27°26'46.91"	95°10'29.207"	673	a bitumen road to Chabua	VILL.- CHABUA
29	29/0	27°26'40.041"	95°10'5.927"	687		VILL.- FATHRUANGA
30	30/0	27°26'34.47"	95°9'41.713"	1034		VILL.- FATHRUANGA
31	31/0	27°26'19.49"	95°9'8.014"	1020	2 bitumen road to Chabua	VILL.- RANGAMATI
32	32/0	27°26'1.788"	95°8'36.614"	1030	1 bitumen road	VILL.- RANGAMATI
33	33/0	27°25'42.99"	95°8'5.61"	955	1 bitumen road	VILL.- BARBAM
34	34/0	27°25'41.1"	95°7'30.908"	697	1 bitumen road	VILL.- HATIALI
35	35/0	27°25'44.17"	95°7'5.78"	665		VILL.- KUHIDBARI
36	36/0	27°25'50.59"	95°6'42.651"	1378		VILL.- KUHIDBARI
37	37/0	27°25'43.09"	95°5'53.191"	1367		VILL.- KUHIDBARI
38	38/0	27°26'7.387"	95°5'11.523"	681	a bitumen road to Dikam	VILL.- KUHIDBARI
39	39/0	27°26'15.42"	95°4'48.431"	337		VILL.- ALIMUR
40	40/0	27°26'12.66"	95°4'36.556"	674		VILL.- ALIMUR
41	41/0	27°26'0.903"	95°4'15.851"	1300		VILL.- ALIMUR
42	42/0	27°26'2.58"	95°3'29.48"	216	11kV power line & a bitumen road to duliyajjan	VILL.- ALIMUR
43	43/0	27°25'58.42"	95°3'23.11"	361		VILL.- SINGLIJAN
44	44/0	27°25'58.536"	95°3'9.928"	1996	1 bitumen road	VILL.- SINGLIJAN
45	45/0	27°26'21.739"	95°2'2.055"	660	a bitumen road to Tamulbari tea estate	VILL.- TELIYAPATTI (* weight span beyond the permissible limit)
46	46/0	27°26'28.371"	95°1'39.215"	337	Sasa River(Depth - 1.5M, Width - 30M)	VILL.- TELIYAPATTI
47	47/0	27°26'23.535"	95°1'28.213"	652		VILL.- TELIYAPATTI
48	48/0	27°26'14.12"	95°1'6.966"	1361		VILL.- MUTTUCK
49	49/0	27°26'36.388"	95°0'24.169"	340		VILL.- CHADMARI
50	50/0	27°26'32.505"	95°0'12.585"	1020	1 bitumen road	VILL.- CHADMARI
51	51/0	27°26'30.535"	94°59'35.505"	330		VILL.- BAKULMAJGAON
52	51A/0	27°26'32.06"	94°59'23.61"	225		VILL.- BAKULMAJGAON

53	51B/0	27°26'34.14"	94°59'15.69"	218		VILL.- BAKULMAJGAON
54	52/0	27°26'36.35"	94°59'8.17"	234	vill-road & It line	VILL.- BAKULMAJGAON
55	52A/0	27°26'33.60"	94°59'0.17"	360		VILL.- BAKULMAJGAON
56	53/0	27°26'29.032'	94°58'48.042'	682		VILL.- BAKULMAJGAON
57	54/0	27°26'20.293'	94°58'25.223'	342	11kV power line	VILL.- BAKUL KATH GAON
58	55/0	27°26'13.125'	94°58'15.725'	1028		VILL.- BAKUL KATH GAON
59	56/0	27°25'59.667'	94°57'41.481'	1017		VILL.- BOGPARA
60	57/0	27°25'43.27"	94°57'9.32"	199		VILL. -HATIGOR BOGPARA
61	58/0	27°25'40.91"	94°57'02.59"	1125		VILL.- LAKEI
62	59/0	27°25'42.42"	94°56'21.79"	649		VILL.- LAKEI
63	60/0	27°25'38.00"	94°55'58.68"	270		VILL.- LAKEI
64	61/0	27°25'34.21"	94°55'49.66"	294		VILL.- KHANIKARGAON
65	62/0	27°25'37.18"	94°55'39.41"	441		VILL.- KHANIKARGAON
66	63/0	27°25'31.05"	94°55'24.89"	181	11 kv power line & bitumen road NH - 67	VILL.- KHANIKARGAON
67	64/0	27°25'27.48"	94°55'19.65"	186		VILL.- KHANIKARGAON
68	65/0	27°25'23.02"	94°55'15.08"	88		VILL.- KHANIKARGAON
	BAY	27°25'21.03"	94°55'12.77"	49663		VILL.- KHANIKARGAON

Name of Package:		ASM-DMS-02			
Name of Work:		33kV New Line from Proposed 132kV/33kV Chapakhowa Substation to Existing 33/11kV Chapakhowa Substation			
SL NO	Pole From	Pole To	Span (Meter)	Description of Land	Nature of damage
1	GANTRY	SP-1	23 m	Proposed 33/11kV Chapakhowa S/S	
2	SP-1	FP-1	38 m	Govt. Land	
3	FP-1	SP-2	37 m	Govt. Land	
4	SP-2	SP-3	50 m	Govt. Land	
5	SP-3	SP-4	43 m	Govt. Land	
6	SP-4	SP-5	46 m	Govt. Land	
7	SP-5	SP-6	43 m	Govt. Land	
8	SP-6	SP-7	43 m	Govt. Land	
9	SP-7	FP-2	44 m	Road Crossing	
10	FP-2	SP-8	45 m	Govt. Land	
11	SP-8	SP-9	44 m	Govt. Land	
12	SP-9	SP-10	47 m	Govt. Land	
13	SP-10	SP-11	47 m	Govt. Land	
14	SP-11	SP-12	46 m	Govt. Land	
15	SP-12	SP-13	50 m	Govt. Land	
16	SP-13	SP-14	50 m	Govt. Land	
17	SP-14	SP-15	47 m	Govt. Land	
18	SP-15	SP-16	50 m	Govt. Land	
19	SP-16	SP-17	50 m	Govt. Land	
20	SP-17	SP-18	47 m	Govt. Land	
21	SP-18	SP-19	50 m	Govt. Land	
22	SP-19	SP-20	50 m	Govt. Land	
23	SP-20	SP-21	50 m	Govt. Land	
24	SP-21	SP-22	50 m	Govt. Land	
25	SP-22	SP-23	50 m	Govt. Land	
26	SP-23	SP-24	47 m	Govt. Land	
27	SP-24	SP-25	50 m	Govt. Land	
28	SP-25	SP-26	50 m	Govt. Land	
29	SP-26	DP-1	44 m	Govt. Land	
30	DP-1	SP-27	47 m	Govt. Land	
31	SP-27	SP-28	47 m	Govt. Land	
32	SP-28	SP-29	50 m	Govt. Land	
33	SP-29	SP-30	50 m	Govt. Land	
34	SP-30	SP-31	47 m	Govt. Land	
35	SP-31	SP-32	50 m	Govt. Land	
36	SP-32	SP-33	50 m	Govt. Land	
37	SP-33	SP-34	50 m	Govt. Land	
38	SP-34	SP-35	50 m	Govt. Land	
39	SP-35	SP-36	50 m	Govt. Land	

40	SP-36	SP-37	49 m	Govt. Land	
41	SP-37	SP-38	50 m	Govt. Land	
42	SP-38	SP-39	50 m	Govt. Land	
43	SP-39	SP-40	50 m	Govt. Land	
44	SP-40	SP-41	50 m	Govt. Land	
45	SP-41	SP-42	50 m	Govt. Land	
46	SP-42	SP-43	47 m	Govt. Land	
47	SP-43	SP-44	50 m	Govt. Land	
48	SP-44	SP-45	50 m	Govt. Land	
49	SP-45	DP-2	44 m	Govt. Land	
50	DP-2	SP-46	50 m	Govt. Land	
51	SP-46	SP-47	50 m	Govt. Land	
52	SP-47	SP-48	41 m	Govt. Land	
53	SP-48	SP-49	39 m	Govt. Land	
54	SP-49	SP-50	45 m	Govt. Land	
55	SP-50	FP-3	47 m	Govt. Land	
56	FP-3	FP-4	17 m	Road Crossing	
57	FP-4	GANTRY	16 m	Proposed 132/33kV Chapakhowa S/S	
			2617 m		

Total Pole location Count- 57

Total Single Pole- 50

Total Double Pole- 02

Total Four Pole- 04

Total SP-76 Pole- 21

Total SP76 Pole Location Count-09

Name of Package:		ASM-DMS-02			
Name of Work:		33kV New Line from Existing 132/33kV Kodomani Substation to 33/11kV New Romai Substation			
SL NO	Pole From	Pole To	Span (Meter)	Description of Area	Description of Pole Location
1	GANTRY	DP-1	351	Govt. Land	Substation campus/UG
2	DP-1	SP-1	40	Govt. Land	Thermal colony road
3	SP-1	DP-2	45	Govt. Land	Thermal colony road
4	DP-2	DP-3	45	Govt. Land	Thermal colony road
5	DP-3	SP-2	48	Govt. Land	Along with railway line
6	SP-2	SP-3	42	Govt. Land	Along with railway line
7	SP-3	4P-1	38	Govt. Land	Along with railway line
8	4P-1	4P-2	46	Railway & NH Crossing	Underground cable
9	4P-2	SP-4	36	Govt. Land(Along NH37)	Right side of NH/ market area
10	SP-4	SP-5	37	Govt. Land(Along NH37)	Right side of NH/ market area
11	SP-5	SP-6	39	Govt. Land(Along NH37)	Right side of NH/ market area
12	SP-6	DP-4	43	Govt. Land(Along NH37)	Right side of NH/ market area
13	DP-4	DP-5	39	Govt. Land(Along NH37)	Right side of NH/ market area
14	DP-5	SP-7	48	Govt. Land(Along NH37)	Right side of NH/ market area
15	SP-7	SP-8	46	Govt. Land(Along NH37)	Right side of NH/ market area
16	SP-8	SP-9	36	Govt. Land(Along NH37)	Right side of NH/ market area
17	SP-9	SP-10	44	Govt. Land(Along NH37)	Right side of NH/ market area
18	SP-10	SP-11	44	Govt. Land(Along NH37)	Right side of NH/ market area
19	SP-11	SP-12	44	Govt. Land(Along NH37)	Right side of NH/ market area
20	SP-12	SP-13	43	Govt. Land(Along NH37)	Right side of NH/ market area
21	SP-13	SP-14	51	Govt. Land(Along NH37)	Right side of NH/ market area
22	SP-14	SP-15	49	Govt. Land(Along NH37)	Right side of NH/ market area
23	SP-15	SP-16	50	Govt. Land(Along NH37)	Right side of NH/ market area
24	SP-16	SP-17	46	Govt. Land(Along NH37)	Right side of NH/ market area
25	SP-17	SP-18	37	Govt. Land(Along NH37)	Right side of NH/ market area
26	SP-18	SP-19	35	Govt. Land(Along NH37)	Right side of NH/ market area
27	SP-19	SP-20	43	Govt. Land(Along NH37)	Right side of NH/ market area
28	SP-20	SP-21	35	Govt. Land(Along NH37)	Right side of NH/ market area
29	SP-21	DP-6	45	Govt. Land(Along NH37)	Right side of NH/ market area
30	DP-6	DP-7	37	Govt. Land(Along NH37)	Corner of tea garden
31	DP-7	SP-22	27	Tea Garden- Road	Between Tea Garden- Road
32	SP-22	SP-23	44	Tea Garden- Road	Between Tea Garden- Road
33	SP-23	4P-3	43	Tea Garden- Road	Between Tea Garden- Road
34	4P-3	SP-24	46	Tea Garden- Road	Between Tea Garden- Road
35	SP-24	SP-25	46	Tea Garden- Road	Between Tea Garden- Road
36	SP-25	SP-26	47	Tea Garden- Road	Between Tea Garden- Road
37	SP-26	SP-27	47	Tea Garden- Road	Between Tea Garden- Road
38	SP-27	SP-28	48	Tea Garden- Road	Between Tea Garden- Road
39	SP-28	SP-29	40	Tea Garden- Road	Between Tea Garden- Road

40	SP-29	SP-30	44	Tea Garden- Road	Between Tea Garden- Road
41	SP-30	SP-31	49	Tea Garden- Road	Between Tea Garden- Road
42	SP-31	SP-32	47	Tea Garden- Road	Between Tea Garden- Road
43	SP-32	SP-33	46	Tea Garden- Road	Between Tea Garden- Road
44	SP-33	SP-34	42	Tea Garden- Road	Between Tea Garden- Road
45	SP-34	SP-35	48	Tea Garden- Road	Between Tea Garden- Road
46	SP-35	SP-36	44	Tea Garden- Road	Between Tea Garden- Road
47	SP-36	SP-37	42	Tea Garden- Road	Between Tea Garden- Road
48	SP-37	SP-38	47	Tea Garden- Road	Between Tea Garden- Road
49	SP-38	SP-39	48	Tea Garden- Road	Between Tea Garden- Road
50	SP-39	SP-40	44	Tea Garden- Road	Between Tea Garden- Road
51	SP-40	SP-41	43	Tea Garden- Road	Between Tea Garden- Road
52	SP-41	SP-42	47	Tea Garden- Road	Between Tea Garden- Road
53	SP-42	SP-43	48	Tea Garden- Road	Between Tea Garden- Road
54	SP-43	SP-44	42	Tea Garden- Road	Between Tea Garden- Road
55	SP-44	SP-45	41	Tea Garden- Road	Between Tea Garden- Road
56	SP-45	SP-46	42	Tea Garden- Road	Between Tea Garden- Road
57	SP-46	SP-47	47	Tea Garden- Road	Between Tea Garden- Road
58	SP-47	SP-48	46	Tea Garden- Road	Between Tea Garden- Road
59	SP-48	SP-49	47	Tea Garden- Road	Between Tea Garden- Road
60	SP-49	SP-50	47	Tea Garden- Road	Between Tea Garden- Road
61	SP-50	SP-51	47	Tea Garden- Road	Between Tea Garden- Road
62	SP-51	SP-52	47	Tea Garden- Road	Between Tea Garden- Road
63	SP-52	SP-53	49	Tea Garden- Road	Between Tea Garden- Road
64	SP-53	SP-54	44	Tea Garden- Road	Between Tea Garden- Road
65	SP-54	SP-55	41	Tea Garden- Road	Between Tea Garden- Road
66	SP-55	SP-56	47	Tea Garden- Road	Near Dibrugarh & Dist Planter club
67	SP-56	SP-57	48	Tea Garden- Road	Near Dibrugarh & Dist Planter club
68	SP-57	SP-58	47	Tea Garden- Road	Near Dibrugarh & Dist Planter club
69	SP-58	SP-59	47	Tea Garden- Road	Near Dibrugarh & Dist Planter club
70	SP-59	SP-60	43	Tea Garden- Road	Near Dibrugarh & Dist Planter club
71	SP-60	DP-8	43	Tea Garden- Road	Near Dibrugarh & Dist Planter club
72	DP-8	SP-61	44	Tea Garden- Road	Between golf ground and road
73	SP-61	SP-62	45	Tea Garden- Road	Between golf ground and road
74	SP-62	SP-63	45	Tea Garden- Road	Between golf ground and road
75	SP-63	SP-64	32	Tea Garden- Road	Between golf ground and road
76	SP-64	SP-65	46	Tea Garden- Road	Between golf ground and road
77	SP-65	SP-66	48	Tea Garden- Road	Between golf ground and road
78	SP-66	SP-67	45	Tea Garden- Road	Between golf ground and road
79	SP-67	SP-68	47	Tea Garden- Road	Between golf ground and road

80	SP-68	SP-69	44	Tea Garden- Road	Between golf ground and road
81	SP-69	SP-70	45	Tea Garden- Road	Between golf ground and road
82	SP-70	SP-71	43	Tea Garden- Road	Between golf ground and road
83	SP-71	SP-72	45	Tea Garden- Road	Between golf ground and road
84	SP-72	DP-9	47	Tea Garden- Road	Between golf ground and road
85	DP-9	SP-73	42	Tea Garden- Road	Between golf ground and road
86	SP-73	SP-74	49	Paddy Fiel-Pvt Land	
87	SP-74	SP-75	45	Paddy Fiel-Pvt Land	
88	SP-75	SP-76	48	Paddy Fiel-Pvt Land	
89	SP-76	SP-77	46	Paddy Fiel-Pvt Land	
90	SP-77	SP-78	49	Paddy Fiel-Pvt Land	
91	SP-78	SP-79	47	Tea Garden- Road	
92	SP-79	4P-4	49	Tea Garden- Road	Village Road / Residence
93	4P-4	SP-80	45	Tea Garden- Road	Village Road / Residence
94	SP-80	SP-81	47	Govt Land-Road	Village Road / Residence
95	SP-81	SP-82	49	Govt Land-Road	Village Road / Residence
96	SP-82	SP-83	47	Govt Land-Road	Village Road / Residence
97	SP-83	SP-84	50	Govt Land-Road	Village Road / Residence
98	SP-84	SP-85	50	Govt Land-Road	Village Road / Residence
99	SP-85	SP-86	48	Govt Land-Road	Village Road / Residence
100	SP-86	SP-87	48	Govt Land-Road	Village Road / Residence
101	SP-87	SP-88	47	Govt Land-Road	Village Road / Residence
102	SP-88	SP-89	49	Govt Land-Road	Paddy Field
103	SP-89	SP-90	45	Govt Land-Road	Paddy Field
104	SP-90	SP-91	47	Govt Land-Road	Paddy Field
105	SP-91	SP-92	46	Govt Land-Road	Paddy Field
106	SP-92	SP-93	49	Govt Land-Road	Lake Area
107	SP-93	SP-94	47	Govt Land-Road	Lake Area
108	SP-94	SP-95	48	Govt Land-Road	Lake Area
109	SP-95	SP-96	50	Govt Land-Road	Lake Area
110	SP-96	SP-97	49	Govt Land-Road	Lake Area
111	SP-97	DP-10	47	Govt Land-Road	Lake Area
112	DP-10	SP-98	48	Govt Land-Road	Brick factory area
113	SP-98	SP-99	49	Govt Land-Road	Brick factory area
114	SP-99	SP-100	50	Govt Land-Road	Brick factory area
115	SP-100	SP-101	50	Govt Land-Road	
116	SP-101	SP-102	49	Govt Land-Road	
117	SP-102	SP-103	42	Govt Land-Road	
118	SP-103	SP-104	43	Govt Land-Road	
119	SP-104	4P-5	42	Govt Land-Road	
120	4P-5	SP-105	38	Govt Land-Road	this route should be changed as per requirements
121	SP-105	SP-106	43	Govt Land-Road	
122	SP-106	4P-6	44	Govt Land-Road	
123	4P-6	SP-107	47	Govt Land-Road	

124	SP-107	SP-108	42	Govt Land-Road	
125	SP-108	SP-109	46	Govt Land-Road	
126	SP-109	SP-110	47	Paddy Fiel-Pvt Land	
127	SP-110	SP-111	47	Paddy Fiel-Pvt Land	
128	SP-111	SP-112	49	Paddy Fiel-Pvt Land	
129	SP-112	SP-113	44	Paddy Fiel-Pvt Land	
130	SP-113	DP-11	43	Paddy Fiel-Pvt Land	
131	DP-11	SP-114	43	Paddy Fiel-Pvt Land	
132	SP-114	SP-115	42	Paddy Fiel-Pvt Land	
133	SP-115	4P-7	40	Paddy Fiel-Pvt Land	
134	4P-7	SP-116	39	Paddy Fiel-Pvt Land	
135	SP-116	SP-117	44	Proposed NH	Along with Left side of NH/Paddy Field
136	SP-117	SP-118	48	Proposed NH	Along with Left side of NH/Paddy Field
137	SP-118	SP-119	50	Proposed NH	Along with Left side of NH/Paddy Field
138	SP-119	SP-120	49	Proposed NH	Along with Left side of NH/Paddy Field
139	SP-120	SP-121	50	Proposed NH	Along with Left side of NH/Paddy Field
140	SP-121	SP-122	50	Proposed NH	Along with Left side of NH/Paddy Field
141	SP-122	SP-123	50	Proposed NH	Along with Left side of NH/Paddy Field
142	SP-123	SP-124	49	Proposed NH	Along with Left side of NH/Paddy Field
143	SP-124	SP-125	44	Proposed NH	Along with Left side of NH/Paddy Field
144	SP-125	SP-126	45	Proposed NH	Along with Left side of NH/Paddy Field
145	SP-126	DP-12	42	Proposed NH	Along with Left side of NH/Paddy Field
146	DP-12	SP-127	41	Proposed NH	Along with Left side of NH/Paddy Field
147	SP-127	SP-128	50	Proposed NH	Along with Left side of NH/Paddy Field
148	SP-128	SP-129	50	Proposed NH	Along with Left side of NH/Paddy Field
149	SP-129	SP-130	50	Proposed NH	Along with Left side of NH/Paddy Field
150	SP-130	SP-131	45	Proposed NH	Along with Left side of NH/Paddy Field
151	SP-131	SP-132	44	Proposed NH	Along with Left side of NH/Paddy Field
152	SP-132	DP-13	47	Proposed NH	Along with Left side of NH/Paddy Field
153	DP-13	SP-133	47	Proposed NH	Along with Left side of NH/Paddy Field

154	SP-133	SP-134	39	Proposed NH	Along with Left side of NH/Paddy Field
155	SP-134	SP-135	43	Proposed NH	Along with Left side of NH/Paddy Field
156	SP-135	SP-136	40	Proposed NH	Along with Left side of NH/Paddy Field
157	SP-136	SP-137	43	Proposed NH	Along with Left side of NH/Paddy Field
158	SP-137	DP-14	39	Proposed NH	Along with Left side of NH/Paddy Field
159	DP-14	SP-138	37	Proposed NH	Along with Left side of NH/Paddy Field
160	SP-138	SP-139	46	Proposed NH	Along with Left side of NH/Paddy Field
161	SP-139	SP-140	46	Proposed NH	Along with Left side of NH/Paddy Field
162	SP-140	SP-141	48	Proposed NH	Along with Left side of NH/Paddy Field
163	SP-141	SP-142	37	Proposed NH	Along with Left side of NH/Paddy Field
164	SP-142	SP-143	40	Proposed NH	Along with Left side of NH/Paddy Field
165	SP-143	SP-144	45	Proposed NH	Along with Left side of NH/Paddy Field
166	SP-144	SP-145	47	Proposed NH	Along with Left side of NH/Paddy Field
167	SP-145	SP-146	49	Proposed NH	Along with Left side of NH/Paddy Field
168	SP-146	SP-147	47	Proposed NH	Along with Left side of NH/Paddy Field
169	SP-147	SP-148	48	Proposed NH	Along with Left side of NH/Paddy Field
170	SP-148	SP-149	45	Proposed NH	Along with Left side of NH/Paddy Field
171	SP-149	SP-150	44	Proposed NH	Along with Left side of NH/Paddy Field
172	SP-150	SP-151	34	Proposed NH	Along with Left side of NH/Paddy Field
173	SP-151	SP-152	49	Proposed NH	Along with Left side of NH/Paddy Field
174	SP-152	SP-153	43	Proposed NH	Along with Left side of NH/Paddy Field
175	SP-153	SP-154	49	Proposed NH	Along with Left side of NH/Paddy Field
176	SP-154	SP-155	44	Proposed NH	Along with Left side of NH/Paddy Field
177	SP-155	DP-15	49	Proposed NH	Along with Left side of NH/Paddy Field
178	DP-15	SP-156	43	Proposed NH	Along with Left side of NH/Paddy Field

179	SP-156	SP-157	36	Proposed NH	Along with Left side of NH/Paddy Field
180	SP-157	SP-158	49	Proposed NH	Along with Left side of NH/Paddy Field
181	SP-158	SP-159	47	Proposed NH	Along with Left side of NH/Paddy Field
182	SP-159	SP-160	50	Proposed NH	Along with Left side of NH/Paddy Field
183	SP-160	SP-161	47	Proposed NH	Along with Left side of NH/Paddy Field
184	SP-161	DP-16	45	Proposed NH	Along with Left side of NH/Paddy Field
185	DP-16	SP-162	49	Proposed NH	Along with Left side of NH/Paddy Field
186	SP-162	SP-163	41	Proposed NH	Along with Left side of NH/Paddy Field
187	SP-163	SP-164	49	Proposed NH	Along with Left side of NH/Paddy Field
188	SP-164	SP-165	50	Proposed NH	Along with Left side of NH/Paddy Field
189	SP-165	DP-17	49	Proposed NH	Along with Left side of NH/Paddy Field
190	DP-17	SP-166	48	Proposed NH	Along with Left side of NH/Paddy Field
191	SP-166	SP-167	50	Proposed NH	Along with Left side of NH/Paddy Field
192	SP-167	SP-168	48	Proposed NH	Along with Left side of NH/Paddy Field
193	SP-168	SP-169	49	Proposed NH	Along with Left side of NH/Paddy Field
194	SP-169	DP-18	48	Proposed NH	Along with Left side of NH/Paddy Field
195	DP-18	SP-170	41	Proposed NH	Along with Left side of NH/Paddy Field
196	SP-170	SP-171	48	Proposed NH	Along with Left side of NH/Paddy Field
197	SP-171	SP-172	46	Proposed NH	Along with Left side of NH/Residence
198	SP-172	SP-173	48	Proposed NH	Along with Left side of NH/Residence
199	SP-173	SP-174	49	Proposed NH	Along with Left side of NH/Residence
200	SP-174	SP-175	49	Proposed NH	Along with Left side of NH/Residence
201	SP-175	DP-19	44	Proposed NH	Along with Left side of NH/Residence
202	DP-19	SP-176	47	Proposed NH	Along with Left side of NH/Residence
203	SP-176	SP-177	45	Proposed NH	Along with Left side of NH/Residence

204	SP-177	SP-178	49	Proposed NH	Along with Left side of NH/Residence
205	SP-178	SP-179	47	Proposed NH	Along with Left side of NH/Residence
206	SP-179	SP-180	50	Proposed NH	Along with Left side of NH/Residence
207	SP-180	SP-181	47	Proposed NH	Along with Left side of NH/Residence
208	SP-181	SP-182	45	Proposed NH	Along with Left side of NH/Residence
209	SP-182	SP-183	37	Proposed NH	Along with Left side of NH/Paddy Field
210	SP-183	SP-184	47	Proposed NH	Along with Left side of NH/Paddy Field
211	SP-184	SP-185	45	Proposed NH	Along with Left side of NH/Paddy Field
212	SP-185	SP-186	50	Proposed NH	Along with Left side of NH/Paddy Field
213	SP-186	DP-20	45	Proposed NH	Along with Left side of NH/Paddy Field
214	DP-20	SP-187	32	Proposed NH	NH Crossing / UG CABLE
215	SP-187	SP-188	47	Paddy Fiel-Pvt Land	Paddy Field
216	SP-188	SP-189	47	Paddy Fiel-Pvt Land	Paddy Field
217	SP-189	SP-190	48	Paddy Fiel-Pvt Land	Paddy Field
218	SP-190	SP-191	47	Paddy Fiel-Pvt Land	Paddy Field
219	SP-191	SP-192	34	Paddy Fiel-Pvt Land	Paddy Field
220	SP-192	SP-193	36	Paddy Fiel-Pvt Land	Paddy Field
221	SP-193	SP-194	49	Paddy Fiel-Pvt Land	Paddy Field
222	SP-194	SP-195	50	Paddy Fiel-Pvt Land	Paddy Field
223	SP-195	SP-196	49	Paddy Fiel-Pvt Land	Paddy Field
224	SP-196	SP-197	45	Paddy Fiel-Pvt Land	Paddy Field
225	SP-197	SP-198	49	Paddy Fiel-Pvt Land	Paddy Field
226	SP-198	SP-199	50	Paddy Fiel-Pvt Land	Paddy Field
227	SP-199	SP-200	49	Paddy Fiel-Pvt Land	Paddy Field
228	SP-200	SP-201	50	Paddy Fiel-Pvt Land	Paddy Field
229	SP-201	SP-202	42	Govt Land-Road	Paddy Field
230	SP-202	SP-203	23	Govt Land-Road	Paddy Field
231	SP-203	DP-21	33	Govt Land-Road	this route should be changed as APDCL recomndation
232	DP-21	DP-22	37	Govt Land-Road	
233	DP-22	DP-23	17	Govt Land-Road	
234	DP-23	4P-8	46	Govt Land-Road	
235	4P-8	SP-204	43	Govt Land-Road	
236	SP-204	4P-9	50	Govt Land-Road	
237	4P-9	4P-10	49	Railway & NH Crossing	UG
238	4P-10	SP-205	38	Paddy Fiel-Pvt Land	
239	SP-205	SP-206	45	Paddy Fiel-Pvt Land	
240	SP-206	SP-207	49	Paddy Fiel-Pvt Land	

241	SP-207	DP-24	46	Paddy Fiel-Pvt Land	
242	DP-24	SP-208	47	Tea Garden- Road	Between Tea Garden- Road
243	SP-208	SP-209	45	Tea Garden- Road	Between Tea Garden- Road
244	SP-209	SP-210	47	Tea Garden- Road	Between Tea Garden- Road
245	SP-210	SP-211	48	Tea Garden- Road	Between Tea Garden- Road
246	SP-211	SP-212	46	Tea Garden- Road	Between Tea Garden- Road
247	SP-212	SP-213	49	Tea Garden- Road	Between Tea Garden- Road
248	SP-213	DP-25	37	Tea Garden- Road	Between Tea Garden- Road
249	DP-25	SP-214	38	Tea Garden- Road	Between Tea Garden- Road
250	SP-214	SP-215	47	Tea Garden- Road	Between Tea Garden- Road
251	SP-215	SP-216	50	Tea Garden- Road	Between Tea Garden- Road
252	SP-216	SP-217	48	Tea Garden- Road	Between Tea Garden- Road
253	SP-217	SP-218	48	Tea Garden- Road	Between Tea Garden- Road
254	SP-218	SP-219	45	Tea Garden- Road	Between Tea Garden- Road
255	SP-219	DP-26	35	Tea Garden- Road	Between Tea Garden- Road
256	DP-26	DP-27	40	Tea Garden- Road	Between Tea Garden- Road
257	DP-27	SP-220	38	Tea Garden- Road	Between Tea Garden- Road
258	SP-220	SP-221	49	Tea Garden- Road	Between Tea Garden- Road
259	SP-221	SP-222	48	Tea Garden- Road	Between Tea Garden- Road
260	SP-222	SP-223	50	Tea Garden- Road	Between Tea Garden- Road
261	SP-223	SP-224	49	Tea Garden- Road	Between Tea Garden- Road
262	SP-224	SP-225	50	Tea Garden- Road	Between Tea Garden- Road
263	SP-225	SP-226	49	Tea Garden- Road	Between Tea Garden- Road
264	SP-226	SP-227	48	Tea Garden- Road	Between Tea Garden- Road
265	SP-227	DP-28	45	Tea Garden- Road	Between Tea Garden- Road
266	DP-28	4P-11	50	State Road Crossing	Both side of the road
267	4P-11	SP-228	34	Pvt Land	Right side of State Road/ residence
268	SP-228	SP-229	48	Pvt Land	Right side of State Road/ residence
269	SP-229	SP-230	39	Pvt Land	Right side of State Road/ residence
270	SP-230	SP-231	40	Govt Land-Road	Right side of State Road
271	SP-231	SP-232	40	Govt Land-Road	Right side of State Road
272	SP-232	DP-29	49	Govt Land-Road	Right side of State Road
273	DP-29	SP-233	45	Govt Land-Road	Right side of State Road
274	SP-233	SP-234	49	Govt Land-Road	Right side of State Road
275	SP-234	SP-235	47	Govt Land-Road	Right side of State Road
276	SP-235	DP-30	44	Govt Land-Road	Right side of State Road
277	DP-30	SP-236	45	Govt Land-Road	Right side of State Road
278	SP-236	SP-237	45	Govt Land-Road	Right side of State Road
279	SP-237	DP-31	45	Nallah Crossing (Sessa River Crossing)	River area
280	DP-31	SP-238	50	Govt Land-Road	River area
281	SP-238	SP-239	50	Govt Land-Road	Paddy Field

282	SP-239	SP-240	48	Govt Land-Road	Paddy Field/ side of state road
283	SP-240	SP-241	48	Govt Land-Road	Paddy Field/ side of state road
284	SP-241	SP-242	47	Govt Land-Road	Paddy Field/ side of state road
285	SP-242	DP-32	35	Govt Land-Road	Paddy Field/ side of state road
286	DP-32	SP-243	30	Govt Land-Road	Paddy Field/ side of state road
287	SP-243	SP-244	43	Govt Land-Road	Paddy Field/ side of state road
288	SP-244	SP-245	43	Govt Land-Road	Paddy Field/ side of state road
289	SP-245	SP-246	49	Govt Land-Road	Paddy Field/ side of state road
290	SP-246	SP-247	47	Govt Land-Road	Paddy Field/ side of state road
291	SP-247	4P-12	49	Govt Land-Road	Paddy Field/ side of state road
292	4P-12	SP-248	42	Govt Land-Road	Paddy Field/ side of state road
293	SP-248	SP-249	14	Paddy Fiel-Pvt Land	Paddy Field
294	SP-249	DP-33	35	Paddy Fiel-Pvt Land	Paddy Field
295	DP-33	DP-34	31	Paddy Fiel-Pvt Land	Paddy Field
296	DP-34	SP-250	47	Paddy Fiel-Pvt Land	Paddy Field
297	SP-250	SP-251	49	Paddy Fiel-Pvt Land	Paddy Field
298	SP-251	SP-252	48	Paddy Fiel-Pvt Land	Paddy Field
299	SP-252	DP-35	38	Paddy Fiel-Pvt Land	Paddy Field
300	DP-35	SP-253	31	Paddy Fiel-Pvt Land	Village Road / Residence
301	SP-253	DP-36	30	Paddy Fiel-Pvt Land	Paddy Field
302	DP-36	SP-254	37	Paddy Fiel-Pvt Land	Paddy Field
303	SP-254	SP-255	39	Paddy Fiel-Pvt Land	Paddy Field
304	SP-255	DP-37	32	Paddy Fiel-Pvt Land	Paddy Field
305	DP-37	SP-256	25	Paddy Fiel-Pvt Land	Paddy Field
306	SP-256	SP-257	49	Paddy Fiel-Pvt Land	Paddy Field
307	SP-257	SP-258	48	Paddy Fiel-Pvt Land	Paddy Field
308	SP-258	SP-259	48	Paddy Fiel-Pvt Land	Paddy Field
309	SP-259	SP-260	48	Paddy Fiel-Pvt Land	Paddy Field
310	SP-260	SP-261	48	Paddy Fiel-Pvt Land	Paddy Field
311	SP-261	SP-262	43	Paddy Fiel-Pvt Land	Paddy Field
312	SP-262	SP-263	43	Paddy Fiel-Pvt Land	Paddy Field
313	SP-263	4P-13	42	Paddy Fiel-Pvt Land	Paddy Field
314	4P-13	SP-264	40	Paddy Fiel-Pvt Land	Paddy Field/ side of state road
315	SP-264	4P-14	45	Paddy Fiel-Pvt Land	Paddy Field/ side of state road
316	4P-14	SP-265	41	Paddy Fiel-Pvt Land	Paddy Field/ side of state road
317	SP-265	SP-266	48	Govt Land-Road	Paddy Field/ side of state road
318	SP-266	SP-267	48	Govt Land-Road	Paddy Field/ side of state road
319	SP-267	SP-268	45	Govt Land-Road	Paddy Field/ side of state road
320	SP-268	SP-269	48	Govt Land-Road	Paddy Field/ side of state road
321	SP-269	SP-270	50	Govt Land-Road	Paddy Field/ side of state road
322	SP-270	SP-271	45	Govt Land-Road	Paddy Field/ side of state road
323	SP-271	SP-272	49	Govt Land-Road	Paddy Field/ side of state road
324	SP-272	SP-273	46	Govt Land-Road	Paddy Field/ side of state road
325	SP-273	SP-274	46	Govt Land-Road	Paddy Field/ side of state road

326	SP-274	SP-275	47	Govt Land-Road	Paddy Field/ side of state road
327	SP-275	SP-276	46	Govt Land-Road	Paddy Field/ side of state road
328	SP-276	SP-277	43	Govt Land-Road	Paddy Field/ side of state road
329	SP-277	SP-278	40	Govt Land-Road	Paddy Field/ side of state road
330	SP-278	SP-279	44	Govt Land-Road	Paddy Field/ side of state road
331	SP-279	DP-38	48	Govt Land-Road	Paddy Field/ side of state road
332	DP-38	SP-280	49	Govt Land-Road	Paddy Field/ side of state road
333	SP-280	SP-281	36	Govt Land-Road	Paddy Field/ side of state road
334	SP-281	SP-282	43	Govt Land-Road	Paddy Field/ side of state road
335	SP-282	SP-283	42	Govt Land-Road	Paddy Field/ side of state road
336	SP-283	SP-284	49	Govt Land-Road	Paddy Field/ side of state road
337	SP-284	SP-285	46	Govt Land-Road	Paddy Field/ side of state road
338	SP-285	SP-286	49	Govt Land-Road	Paddy Field/ side of state road
339	SP-286	SP-287	47	Govt Land-Road	Paddy Field/ side of state road
340	SP-287	SP-288	44	Govt Land-Road	Paddy Field/ side of state road
341	SP-288	SP-289	44	Govt Land-Road	Paddy Field/ side of state road
342	SP-289	SP-290	46	Govt Land-Road	Paddy Field/ side of state road
343	SP-290	SP-291	47	Govt Land-Road	Paddy Field/ side of state road
344	SP-291	SP-292	50	Govt Land-Road	Paddy Field/ side of state road
345	SP-292	SP-293	51	Govt Land-Road	Paddy Field/ side of state road
346	SP-293	SP-294	45	Govt Land-Road	Paddy Field/ side of state road
347	SP-294	SP-295	50	Govt Land-Road	Paddy Field/ side of state road
348	SP-295	SP-296	50	Govt Land-Road	Paddy Field/ side of state road
349	SP-296	SP-297	49	Govt Land-Road	Paddy Field/ side of state road
350	SP-297	DP-39	51	Govt Land-Road	Paddy Field/ side of state road
351	DP-39	SP-298	50	Govt Land-Road	Paddy Field/ side of state road
352	SP-298	SP-299	50	Govt Land-Road	Paddy Field/ side of state road
353	SP-299	SP-300	50	Govt Land-Road	Paddy Field/ side of state road
354	SP-300	SP-301	50	Govt Land-Road	Paddy Field/ side of state road
355	SP-301	SP-302	49	Govt Land-Road	Paddy Field/ side of state road
356	SP-302	SP-303	47	Govt Land-Road	Paddy Field/ side of state road
357	SP-303	SP-304	49	Govt Land-Road	Paddy Field/ side of state road
358	SP-304	4P-15	49	Govt Land-Road	Paddy Field/ side of state road
359	4P-15	SP-305	44	Govt Land-Road	Paddy Field/ side of state road
360	SP-305	SP-306	50	Paddy Fiel-Pvt Land	Paddy Field
361	SP-306	SP-307	48	Paddy Fiel-Pvt Land	Paddy Field
362	SP-307	SP-308	50	Paddy Fiel-Pvt Land	Paddy Field
363	SP-308	SP-309	41	Paddy Fiel-Pvt Land	Paddy Field
364	SP-309	SP-310	40	Paddy Fiel-Pvt Land	Paddy Field
365	SP-310	SP-311	40	Paddy Fiel-Pvt Land	Paddy Field
366	SP-311	SP-312	48	Paddy Fiel-Pvt Land	Paddy Field
367	SP-312	SP-313	50	Paddy Fiel-Pvt Land	Paddy Field
368	SP-313	SP-314	50	Paddy Fiel-Pvt Land	Paddy Field
369	SP-314	SP-315	50	Paddy Fiel-Pvt Land	Paddy Field

370	SP-315	DP-40	47	Paddy Fiel-Pvt Land	Paddy Field
371	DP-40	SP-316	50	Paddy Fiel-Pvt Land	Paddy Field
372	SP-316	SP-317	45	Paddy Fiel-Pvt Land	Paddy Field
373	SP-317	SP-318	45	Tea Garden- Road	Tea Garden- Road
374	SP-318	SP-319	45	Tea Garden- Road	Tea Garden- Road
375	SP-319	SP-320	46	Tea Garden- Road	Tea Garden- Road
376	SP-320	SP-321	47	Tea Garden- Road	Tea Garden- Road
377	SP-321	4P-16	45	Tea Garden- Road	Tea Garden- Road
378	4P-16	GANTRY	40	Proposed Land for 33/11KV Romai S/s	
			17277		

Note : Pole Type, Span, No & Qty may change as per site requirement and direction from PGCIL

Total location count- 379

Total Single Pole- 321

Total Double pole- 40

Total 4 pole- 16

Total SP76 pole Location- 60

Name of Work:		33kV New Line from Existing 132kV/33kV Behiating Substation to 33/11kV Existing Bogibill Substation				
			ROUTE 1			
SL NO	Pole From	Pole To	Span (Meter)	Recommendation	Description of Land	Nature of damage
1	GANTRY	FP-1	45	SP64	SUBSTATION Campus	
2	FP-1	SP-1	47	SP64	SUBSTATION Campus	
3	SP-1	SP-2	49	SP64	SUBSTATION Campus	
4	SP-2	FP-2	45	SP64	33KV LINE CROSSING	
5	FP-2	SP-3	46	SP64	FIELD	
6	SP-3	SP-4	42	SP64	FIELD	
7	SP-4	SP-5	36	SP64	FIELD	
8	SP-5	SP-6	48	SP76	LOCAL ROAD CROSSING / 33KV CROSSING	
9	SP-6	SP-7	36	SP64	PADDY FIELD	
10	SP-7	SP-8	48	SP64	SIDE BY NEW NH	
11	SP-8	DP-1	48	SP64	SIDE BY NEW NH	
12	DP-1	SP-9	50	SP64	SIDE BY NEW NH	
13	SP-9	SP-10	50	SP64	SIDE BY NEW NH	
14	SP-10	DP-2	41	SP64	SIDE BY NEW NH	
15	DP-2	SP-11	50	SP64	SIDE BY NEW NH	
16	SP-11	SP-12	48	SP64	TEA GARDEN	
17	SP-12	SP-13	47	SP64	TEA GARDEN	
18	SP-13	SP-14	49	SP64	TEA GARDEN	
19	SP-14	SP-15	46	SP64	TEA GARDEN	
20	SP-15	SP-16	50	SP64	TEA GARDEN	
21	SP-16	SP-17	50	SP64	TEA GARDEN	
22	SP-17	SP-18	40	SP64	TEA GARDEN	
23	SP-18	FP-3	33	SP64	TEA GARDEN	
24	FP-3	DP-3	33	SP64	TEA GARDEN	
25	DP-3	FP-4	48	SP64	TEA GARDEN	
26	FP-4	SP-19	38	SP64	LEFT SIDE BY NEW NH	
27	SP-19	SP-20	44	SP64	LEFT SIDE BY NEW NH	
28	SP-20	SP-21	48	SP64	LEFT SIDE BY NEW NH	
29	SP-21	SP-22	41	SP64	LEFT SIDE BY NEW NH	
30	SP-22	SP-23	43	SP64	LEFT SIDE BY NEW NH	
31	SP-23	SP-24	48	SP64	LEFT SIDE BY NEW NH	
32	SP-24	SP-25	45	SP76	33 KV CROSSING	
33	SP-25	SP-26	38	SP64	LEFT SIDE BY NEW NH	
34	SP-26	SP-27	37	SP64	LEFT SIDE BY NEW NH	
35	SP-27	SP-28	47	SP64	LEFT SIDE BY NEW NH	
36	SP-28	SP-29	47	SP64	LEFT SIDE BY NEW NH	
37	SP-29	SP-30	48	SP64	LEFT SIDE BY NEW NH	
38	SP-30	SP-31	48	SP64	LEFT SIDE BY NEW NH	

39	SP-31	SP-32	48	SP64	LEFT SIDE BY NEW NH	
40	SP-32	SP-33	43	SP64	LEFT SIDE BY NEW NH	
41	SP-33	DP-4	49	SP64	LEFT SIDE BY NEW NH	
42	DP-4	SP-34	48	SP64	LEFT SIDE BY NEW NH	
43	SP-34	SP-35	46	SP64	LEFT SIDE BY NEW NH	
44	SP-35	SP-36	50	SP64	LEFT SIDE BY NEW NH	
45	SP-36	DP-5	31	SP64	LEFT SIDE BY NEW NH	
46	DP-5	SP-37	41	SP64	LEFT SIDE BY NEW NH	
47	SP-37	SP-38	26	SP64	LEFT SIDE BY NEW NH	
48	SP-38	SP-39	29	SP64	LEFT SIDE BY NEW NH	
49	SP-39	SP-40	44	SP64	LEFT SIDE BY NEW NH	
50	SP-40	SP-41	46	SP64	LEFT SIDE BY NEW NH	
51	SP-41	SP-42	45	SP64	LEFT SIDE BY NEW NH	
52	SP-42	SP-43	44	SP64	LEFT SIDE BY NEW NH	
53	SP-43	SP-44	44	SP64	LEFT SIDE BY NEW NH	
54	SP-44	SP-45	39	SP64	LEFT SIDE BY NEW NH	
55	SP-45	SP-46	49	SP64	LEFT SIDE BY NEW NH	
56	SP-46	SP-47	46	SP64	LEFT SIDE BY NEW NH	
57	SP-47	SP-48	45	SP64	LEFT SIDE BY NEW NH	
58	SP-48	SP-49	49	SP64	TREES	Tree trimming / Cutting
59	SP-49	SP-50	49	SP64	TREES	Tree trimming / Cutting
60	SP-50	DP-6	49	SP64	TREES	Tree trimming / Cutting
61	DP-6	DP-7	48	SP64	LEFT SIDE BY NEW NH	
62	DP-7	SP-51	47	SP64	TREES	Tree trimming / Cutting
63	SP-51	SP-52	45	SP64	MARKET & RESIDENT AREA	
64	SP-52	SP-53	48	SP64	MARKET & RESIDENT AREA	
65	SP-53	SP-54	49	SP64	MARKET & RESIDENT AREA	
66	SP-54	SP-55	48	SP64	MARKET & RESIDENT AREA	
67	SP-55	SP-56	50	SP64	MARKET & RESIDENT AREA	
68	SP-56	DP-8	48	SP64	MARKET & RESIDENT AREA	
69	DP-8	SP-57	49	SP64	MARKET & RESIDENT AREA	
70	SP-57	SP-58	36	SP64	MARKET & RESIDENT AREA	
71	SP-58	DP-9	42	SP64	MARKET & RESIDENT AREA	
72	DP-9	SP-59	50	SP64	MARKET & RESIDENT AREA	

73	SP-59	SP-60	46	SP64	MARKET & RESIDENT AREA	
74	SP-60	SP-61	46	SP64	MARKET & RESIDENT AREA	
75	SP-61	SP-62	35	SP64	MARKET & RESIDENT AREA	
76	SP-62	SP-63	46	SP64	MARKET & RESIDENT AREA	
77	SP-63	SP-64	47	SP64	MARKET & RESIDENT AREA	
78	SP-64	SP-65	46	SP64	MARKET & RESIDENT AREA	
79	SP-65	SP-66	50	SP64	MARKET & RESIDENT AREA	
80	SP-66	SP-67	43	SP64	MARKET & RESIDENT AREA	
81	SP-67	SP-68	43	SP64	MARKET & RESIDENT AREA	
82	SP-68	SP-69	43	SP64	MARKET & RESIDENT AREA	
83	SP-69	SP-70	41	SP64	MARKET & RESIDENT AREA	
84	SP-70	SP-71	41	SP76	LT LINE CROSSING	
85	SP-71	SP-72	45	SP64	MARKET & RESIDENT AREA	
86	SP-72	SP-73	45	SP64	MARKET & RESIDENT AREA	
87	SP-73	SP-74	45	SP64	MARKET & RESIDENT AREA	
88	SP-74	SP-75	48	SP64	MARKET & RESIDENT AREA	
89	SP-75	SP-76	48	SP64	MARKET & RESIDENT AREA	
90	SP-76	SP-77	47	SP64	MARKET & RESIDENT AREA	
91	SP-77	SP-78	47	SP64	MARKET & RESIDENT AREA	
92	SP-78	SP-79	41	SP64	MARKET & RESIDENT AREA	
93	SP-79	SP-80	40	SP76	LT LINE CROSSING	
94	SP-80	SP-81	38	SP64	MARKET & RESIDENT AREA	
95	SP-81	SP-82	45	SP64	MARKET & RESIDENT AREA	
96	SP-82	SP-83	49	SP64	MARKET & RESIDENT AREA	
97	SP-83	SP-84	42	SP64	MARKET & RESIDENT AREA	
98	SP-84	SP-85	45	SP64	MARKET & RESIDENT AREA	

99	SP-85	SP-86	50	SP64	MARKET & RESIDENT AREA	
100	SP-86	FP-5	47	SP64	MARKET & RESIDENT AREA	
101	FP-5	FP-6	46	UG CABLE	NEW BYPASS CROSSING	
102	FP-6	SP-87	46	SP64	TEA GARDEN	Tree trimming / Cutting
103	SP-87	SP-88	48	SP64	TEA GARDEN	Tree trimming / Cutting
104	SP-88	SP-89	49	SP64	TEA GARDEN	Tree trimming / Cutting
105	SP-89	SP-90	48	SP64	TEA GARDEN	Tree trimming / Cutting
106	SP-90	SP-91	46	SP64	TEA GARDEN	Tree trimming / Cutting
107	SP-91	SP-92	48	SP64	TEA GARDEN	Tree trimming / Cutting
108	SP-92	SP-93	48	SP64	TEA GARDEN	Tree trimming / Cutting
109	SP-93	SP-94	38	SP64	TEA GARDEN	Tree trimming / Cutting
110	SP-94	SP-95	40	SP64	TEA GARDEN	Tree trimming / Cutting
111	SP-95	FP-7	47	SP64	TEA GARDEN	Tree trimming / Cutting
112	FP-7	SP-96	45	SP64	TEA GARDEN	Tree trimming / Cutting
113	SP-96	SP-97	45	SP64	TEA GARDEN	Tree trimming / Cutting
114	SP-97	SP-98	46	SP64	TEA GARDEN	Tree trimming / Cutting
115	SP-98	SP-99	48	SP64	TEA GARDEN	Tree trimming / Cutting
116	SP-99	SP-100	48	SP64	TEA GARDEN	Tree trimming / Cutting
117	SP-100	SP-101	48	SP64	TEA GARDEN	Tree trimming / Cutting
118	SP-101	SP-102	49	SP64	TEA GARDEN	Tree trimming / Cutting
119	SP-102	SP-103	46	SP64	TEA GARDEN	Tree trimming / Cutting
120	SP-103	SP-104	43	SP64	TEA GARDEN	Tree trimming / Cutting
121	SP-104	SP-105	44	SP64	TEA GARDEN	Tree trimming / Cutting
122	SP-105	SP-106	45	SP76	TEA GARDEN	Tree trimming / Cutting
123	SP-106	SP-107	45	SP64	TEA GARDEN	Tree trimming / Cutting

124	SP-107	SP-108	41	SP64	TEA GARDEN	Tree trimming / Cutting
125	SP-108	SP-109	46	SP64	TEA GARDEN	Tree trimming / Cutting
126	SP-109	SP-110	45	SP64	TEA GARDEN	Tree trimming / Cutting
127	SP-110	SP-111	46	SP64	TEA GARDEN	Tree trimming / Cutting
128	SP-111	SP-112	41	SP64	TEA GARDEN	Tree trimming / Cutting
129	SP-112	FP-8	43	UG CABLE	AT ROAD CROSSING	Tree trimming / Cutting
130	FP-8	SP-113	48	SP64	TEA GARDEN	Tree trimming / Cutting
131	SP-113	SP-114	46	SP64	TEA GARDEN	Tree trimming / Cutting
132	SP-114	SP-115	49	SP64	TEA GARDEN	Tree trimming / Cutting
133	SP-115	DP-10	47	SP64	TEA GARDEN	Tree trimming / Cutting
134	DP-10	SP-116	50	SP64	TEA GARDEN	Tree trimming / Cutting
135	SP-116	SP-117	46	SP64	TEA GARDEN	Tree trimming / Cutting
136	SP-117	SP-118	50	SP64	TEA GARDEN	Tree trimming / Cutting
137	SP-118	DP-11	46	SP64	TEA GARDEN	Tree trimming / Cutting
138	DP-11	SP-119	45	SP64	TEA GARDEN	Tree trimming / Cutting
139	SP-119	SP-120	45	SP64	TEA GARDEN	Tree trimming / Cutting
140	SP-120	SP-121	46	SP64	TEA GARDEN	Tree trimming / Cutting
141	SP-121	SP-122	46	SP64	TEA GARDEN	Tree trimming / Cutting
142	SP-122	SP-123	39	SP64	TEA GARDEN	Tree trimming / Cutting
143	SP-123	FP-9	40	SP64	TEA GARDEN	Tree trimming / Cutting
144	FP-9	SP-124	46	SP64	TEA GARDEN	Tree trimming / Cutting
145	SP-124	SP-125	46	SP64	TEA GARDEN	Tree trimming / Cutting
146	SP-125	SP-126	50	SP64	TEA GARDEN	Tree trimming / Cutting
147	SP-126	SP-127	47	SP64	TEA GARDEN	Tree trimming / Cutting
148	SP-127	SP-128	49	SP64	TEA GARDEN	Tree trimming / Cutting

149	SP-128	SP-129	48	SP64	TEA GARDEN	Tree trimming / Cutting
150	SP-129	SP-130	49	SP64	TEA GARDEN	Tree trimming / Cutting
151	SP-130	SP-131	40	SP64	TEA GARDEN	Tree trimming / Cutting
152	SP-131	FP-10	44	SP76	TEA GARDEN	
153	FP-10	SP-132	44	SP64	TEA GARDEN	
154	SP-132	SP-133	46	SP64	TEA GARDEN	
155	SP-133	SP-134	50	SP64	TEA GARDEN	
156	SP-134	SP-135	45	SP64	TEA GARDEN	
157	SP-135	FP-11	45	SP76	TEA GARDEN	
158	FP-11	SP-136	45	SP76	TEA GARDEN	
159	SP-136	SP-137	50	SP76	11 KV LINE CROSSING	
160	SP-137	SP-138	46	SP76	TREES(labour colony)	Dense residential area
161	SP-138	DP-12	50	SP76	11 KV LINE CROSSING	Dense residential area
162	DP-12	SP-139	40	SP76	TREES(labour colony)	Dense residential area
163	SP-139	FP-12	36	SP76	TREES(labour colony)	Dense residential area
164	FP-12	SP-140	46	SP76	TREES(labour colony)	Dense residential area
165	SP-140	SP-141	45	SP76	TREES(labour colony)	Dense residential area
166	SP-141	DP-13	40	SP64	PADDY FIELD	
167	DP-13	DP-14	45	SP76	11 KV LINE CROSSING	
168	DP-14	SP-142	41	SP64	PADDY FIELD	
169	SP-142	SP-143	38	SP64	PADDY FIELD	
170	SP-143	SP-144	38	SP64	PADDY FIELD	
171	SP-144	SP-145	33	SP64	PADDY FIELD	
172	SP-145	SP-146	48	SP64	PADDY FIELD	
173	SP-146	DP-15	48	SP64	PADDY FIELD	
174	DP-15	SP-147	49	SP64	PADDY FIELD	
175	SP-147	DP-16	50	SP64	PADDY FIELD	
176	DP-16	DP-17	37	UG CABLE	RAILWAY TRACK CROSSING	
177	DP-17	SP-148	44	SP76	PADDY FIELD	
178	SP-148	DP-18	35	SP64	ROAD CROSSING	
179	DP-18	SP-149	45	SP64	PADDY FIELD	
180	SP-149	FP-13	45	SP64	PADDY FIELD	
181	FP-13	SP-150	45	SP64	TEA GARDEN	Tree trimming / Cutting
182	SP-150	SP-151	39	SP64	TEA GARDEN	Tree trimming / Cutting
183	SP-151	SP-152	41	SP64	TEA GARDEN	Tree trimming / Cutting

184	SP-152	SP-153	38	SP64	TEA GARDEN	Tree trimming / Cutting
185	SP-153	SP-154	50	SP64	TEA GARDEN	Tree trimming / Cutting
186	SP-154	SP-155	45	SP64	TEA GARDEN	Tree trimming / Cutting
187	SP-155	SP-156	49	SP64	TEA GARDEN	Tree trimming / Cutting
188	SP-156	SP-157	45	SP64	TEA GARDEN	Tree trimming / Cutting
189	SP-157	SP-158	45	SP64	TEA GARDEN	Tree trimming / Cutting
190	SP-158	SP-159	46	SP64	TEA GARDEN	Tree trimming / Cutting
191	SP-159	SP-160	50	SP64	TEA GARDEN	Tree trimming / Cutting
192	SP-160	SP-161	47	SP64	TEA GARDEN	Tree trimming / Cutting
193	SP-161	FP-14	50	SP64	TEA GARDEN	Tree trimming / Cutting
194	FP-14	SP-162	44	SP64	TEA GARDEN	Tree trimming / Cutting
195	SP-162	SP-163	50	SP64	TEA GARDEN	Tree trimming / Cutting
196	SP-163	SP-164	50	SP64	TEA GARDEN	Tree trimming / Cutting
197	SP-164	SP-165	45	SP64	TEA GARDEN	Tree trimming / Cutting
198	SP-165	SP-166	45	SP64	TEA GARDEN	Tree trimming / Cutting
199	SP-166	SP-167	45	SP64	TEA GARDEN	Tree trimming / Cutting
200	SP-167	SP-168	47	SP64	TEA GARDEN	Tree trimming / Cutting
201	SP-168	SP-169	43	SP64	TEA GARDEN	Tree trimming / Cutting
202	SP-169	SP-170	50	SP64	TEA GARDEN	Tree trimming / Cutting
203	SP-170	SP-171	43	SP64	TEA GARDEN	Tree trimming / Cutting
204	SP-171	SP-172	46	SP64	TEA GARDEN	Tree trimming / Cutting
205	SP-172	SP-173	49	SP64	TEA GARDEN	Tree trimming / Cutting
206	SP-173	SP-174	50	SP64	TEA GARDEN	Tree trimming / Cutting
207	SP-174	SP-175	46	SP64	TEA GARDEN	Tree trimming / Cutting
208	SP-175	SP-176	48	SP64	TEA GARDEN	Tree trimming / Cutting

209	SP-176	SP-177	48	SP64	TEA GARDEN	Tree trimming / Cutting
210	SP-177	SP-178	46	SP64	TEA GARDEN	Tree trimming / Cutting
211	SP-178	SP-179	49	SP64	TEA GARDEN	Tree trimming / Cutting
212	SP-179	SP-180	48	SP64	TEA GARDEN	Tree trimming / Cutting
213	SP-180	SP-181	46	SP64	TEA GARDEN	Tree trimming / Cutting
214	SP-181	DP-19	50	SP64	TEA GARDEN	Tree trimming / Cutting
215	DP-19	SP-182	45	SP64	TEA GARDEN	Tree trimming / Cutting
216	SP-182	SP-183	48	SP64	TEA GARDEN	Tree trimming / Cutting
217	SP-183	SP-184	46	SP64	TEA GARDEN	Tree trimming / Cutting
218	SP-184	SP-185	44	SP64	TEA GARDEN	Tree trimming / Cutting
219	SP-185	SP-186	50	SP64	TEA GARDEN	Tree trimming / Cutting
220	SP-186	SP-187	50	SP64	TEA GARDEN	Tree trimming / Cutting
221	SP-187	SP-188	49	SP64	TEA GARDEN	Tree trimming / Cutting
222	SP-188	SP-189	45	SP64	TEA GARDEN	Tree trimming / Cutting
223	SP-189	SP-190	47	SP64	TEA GARDEN	Tree trimming / Cutting
224	SP-190	SP-191	46	SP64	TEA GARDEN	Tree trimming / Cutting
225	SP-191	SP-192	47	SP64	TEA GARDEN	Tree trimming / Cutting
226	SP-192	SP-193	50	SP64	TEA GARDEN	Tree trimming / Cutting
227	SP-193	SP-194	45	SP64	TEA GARDEN	Tree trimming / Cutting
228	SP-194	SP-195	47	SP64	TEA GARDEN	Tree trimming / Cutting
229	SP-195	SP-196	48	SP64	TEA GARDEN	Tree trimming / Cutting
230	SP-196	SP-197	45	SP64	TEA GARDEN	Tree trimming / Cutting
231	SP-197	SP-198	45	SP64	TEA GARDEN	Tree trimming / Cutting
232	SP-198	SP-199	48	SP64	TEA GARDEN	Tree trimming / Cutting
233	SP-199	SP-200	40	SP64	TEA GARDEN	Tree trimming / Cutting

234	SP-200	DP-20	39	SP64	TEA GARDEN	Tree trimming / Cutting
235	DP-20	DP-21	43	SP76	11KV & ROAD CROSSING	Tree trimming / Cutting
236	DP-21	SP-201	41	SP64	TEA GARDEN	Tree trimming / Cutting
237	SP-201	SP-202	48	SP64	TEA GARDEN	Tree trimming / Cutting
238	SP-202	SP-203	44	SP64	TEA GARDEN	Tree trimming / Cutting
239	SP-203	SP-204	45	SP64	TEA GARDEN	Tree trimming / Cutting
240	SP-204	SP-205	47	SP64	TEA GARDEN	Tree trimming / Cutting
241	SP-205	SP-206	47	SP64	TEA GARDEN	Tree trimming / Cutting
242	SP-206	SP-207	45	SP64	TEA GARDEN	Tree trimming / Cutting
243	SP-207	SP-208	40	SP64	TEA GARDEN	Tree trimming / Cutting
244	SP-208	SP-209	41	SP64	TEA GARDEN	Tree trimming / Cutting
245	SP-209	SP-210	35	SP64	TEA GARDEN	Tree trimming / Cutting
246	SP-210	SP-211	47	SP64	TEA GARDEN	Tree trimming / Cutting
247	SP-211	SP-212	45	SP64	TEA GARDEN	Tree trimming / Cutting
248	SP-212	SP-213	45	SP64	TEA GARDEN	Tree trimming / Cutting
249	SP-213	SP-214	44	SP64	TEA GARDEN	Tree trimming / Cutting
250	SP-214	SP-215	45	SP64	TEA GARDEN	Tree trimming / Cutting
251	SP-215	SP-216	39	SP64	TEA GARDEN	Tree trimming / Cutting
252	SP-216	SP-217	41	SP64	TEA GARDEN	Tree trimming / Cutting
253	SP-217	SP-218	39	SP64	TEA GARDEN	Tree trimming / Cutting
254	SP-218	SP-219	40	SP76	11 KV LINE CROSSING	Tree trimming / Cutting
255	SP-219	SP-220	47	SP64	TEA GARDEN	Tree trimming / Cutting
256	SP-220	SP-221	48	SP64	TEA GARDEN	Tree trimming / Cutting
257	SP-221	DP-22	44	SP64	TEA GARDEN	Tree trimming / Cutting
258	DP-22	SP-222	45	SP64	TEA GARDEN	Tree trimming / Cutting

259	SP-222	SP-223	50	SP64	TEA GARDEN	Tree trimming / Cutting
260	SP-223	SP-224	49	SP64	TEA GARDEN	Tree trimming / Cutting
261	SP-224	SP-225	50	SP64	TEA GARDEN	Tree trimming / Cutting
262	SP-225	SP-226	47	SP64	TEA GARDEN	Tree trimming / Cutting
263	SP-226	SP-227	47	SP64	TEA GARDEN	Tree trimming / Cutting
264	SP-227	SP-228	45	SP64	TEA GARDEN	Tree trimming / Cutting
265	SP-228	SP-229	44	SP64	TEA GARDEN	Tree trimming / Cutting
266	SP-229	SP-230	42	SP64	TEA GARDEN	Tree trimming / Cutting
267	SP-230	SP-231	48	SP64	TEA GARDEN	Tree trimming / Cutting
268	SP-231	SP-232	43	SP64	TEA GARDEN	Tree trimming / Cutting
269	SP-232	SP-233	42	SP64	TEA GARDEN	Tree trimming / Cutting
270	SP-233	SP-234	44	SP64	TEA GARDEN	Tree trimming / Cutting
271	SP-234	SP-235	39	SP64	TEA GARDEN	Tree trimming / Cutting
272	SP-235	FP-15	38	SP76	ROAD CROSSING	Tree trimming / Cutting
273	FP-15	SP-236	50	SP64	TEA GARDEN	Tree trimming / Cutting
274	SP-236	SP-237	47	SP64	TEA GARDEN	Tree trimming / Cutting
275	SP-237	SP-238	47	SP64	TEA GARDEN	Tree trimming / Cutting
276	SP-238	SP-239	49	SP64	TEA GARDEN	Tree trimming / Cutting
277	SP-239	SP-240	40	SP64	TEA GARDEN	Tree trimming / Cutting
278	SP-240	SP-241	46	SP64	TEA GARDEN	Tree trimming / Cutting
279	SP-241	DP-23	50	SP64	TEA GARDEN	Tree trimming / Cutting
280	DP-23	SP-242	49	SP64	TEA GARDEN	Tree trimming / Cutting
281	SP-242	SP-243	50	SP64	TEA GARDEN	Tree trimming / Cutting
282	SP-243	SP-244	50	SP64	TEA GARDEN	Tree trimming / Cutting
283	SP-244	SP-245	44	SP64	TEA GARDEN	Tree trimming / Cutting

284	SP-245	SP-246	50	SP64	TEA GARDEN	Tree trimming / Cutting
285	SP-246	SP-247	47	SP64	TEA GARDEN	Tree trimming / Cutting
286	SP-247	SP-248	48	SP64	TEA GARDEN	Tree trimming / Cutting
287	SP-248	SP-249	42	SP64	TEA GARDEN	Tree trimming / Cutting
288	SP-249	SP-250	34	SP64	TEA GARDEN	Tree trimming / Cutting
289	SP-250	SP-251	42	SP64	TEA GARDEN	Tree trimming / Cutting
290	SP-251	FP-16	36	SP76	ROAD CROSSING	Tree trimming / Cutting
291	FP-16	SP-252	42	SP64	TEA GARDEN	Tree trimming / Cutting
292	SP-252	SP-253	37	SP64	TEA GARDEN	Tree trimming / Cutting
293	SP-253	SP-254	36	SP64	TEA GARDEN	Tree trimming / Cutting
294	SP-254	SP-255	46	SP64		
295	SP-255	FP-17	40	SP64		
296	FP-17	SP256	38	SP76	33KV LINE CROSSING	
297	SP256	SP257	45	SP64	NEAR SUBSTATION	
298	SP257	FP18	44	SP64	NEAR SUBSTATION	
299	FP18	FP19	42	SP64	SUBSTATION Campus	
300	FP19	GANTRY	40	SP64	SUBSTATION Campus	
	Total Span Length-		13476			

Note : Pole Type, Span, No & Qty may change as per site requireent and direction from PGCIL

Total Pole Location Count-300

Total Single Pole- 257

Total Double Pole- 23

Total Four Pole- 19

Total SP76 Pole Location Count-22

Total No SP76 Pole - 56

Name of Work		: 33kV New Line from Existing 132/33kV Khanikar Substation to 33/11kV New Dibrugarh Substation			
SL NO	Pole From	Pole To	Span (meter)	Description of Area	Description of Pole Location
1	GANTRY	FP-1	12	132/33kV Khanikar Substation	
2	FP-1	DP-1	53	Substation Land	
3	DP-1	DP-2	1	Substation Land	
4	DP-2	DP-3	44	Substation Land	
5	DP-3	DP-4	14	11KV Line & Substation Road Crossing	DP-3 & DP-4 are at Sub-Station boundary wall
6	DP-4	DP-5	49	Substation Road	DP-4 & DP-5 are coing beside Sub-Station road and Drain beside Sub-Station road
7	DP-5	DP-6	43	11 KV & LT Line Crossing. Substation Road & APDCL's Staff colony	Previously this span was considered by UG cable. But now can take by Overhead
8	DP-6	SP-1	35	Substation Land	Inside Boundary wall of APDCL's staff colony
9	SP-1	SP-2	45	Substation Land	Inside Boundary wall of APDCL's staff colony
10	SP-2	SP-3	36	Substation Land	Inside Boundary wall of APDCL's staff colony
11	SP-3	DP-7	35	Substation Land	Inside Boundary wall of APDCL's staff colony
12	DP-7	DP-8	46	Tea Garden Colony Road	
13	DP-8	SP-4	50	Tea Garden Colony Road	
14	SP-4	SP-5	44	Tea Garden Colony Road	
15	SP-5	SP-6	37	Tea Garden Colony Road	
16	SP-6	FP-2	39	Tea Garden Colony Road	
17	FP-2	SP-7	43	Beside ancotta Road	Dense Tree area. Poles are coing between Road & Low land.
18	SP-7	SP-8	41	Beside ancotta Road	
19	SP-8	SP-9	40	Beside ancotta Road	
20	SP-9	SP-10	40	11 KV & LT Line Crossing beside ancotta Road	Poles are between Road & Low land
21	SP-10	SP-11	43	Beside ancotta Road	
22	SP-11	DP-09	43	Beside ancotta Road	
23	DP-09	SP-12	44	132 KV Line Crossing beside ancotta Road	Poles are between Road & Low Land.
24	SP-12	SP-13	44	Beside ancotta Road	Poles are between Road & Low Land
25	SP-13	SP-14	47	Beside ancotta Road	Poles are between Road & Low Land

26	SP-14	SP-15	44	Beside ancotta Road	Poles are between Road & Low Land
27	SP-15	SP-16	48	Beside ancotta Road	Poles are between Road & Low Land
28	SP-16	DP-10	42	LT Line Crossing beside ancotta Road	Poles are between Road & Low Land
29	DP-10	SP-17	42	Beside ancotta Road	Poles are between Road & Low Land
30	SP-17	SP-18	41	Beside ancotta Road	Poles are between Road & Low Land
31	SP-18	SP-19	44	Beside ancotta Road	Poles are between Road & Low Land
32	SP-19	SP-20	45	LT Line Crossing beside ancotta Road	Poles are between Road & Low Land
33	SP-20	SP-21	45	LT Line Crossing beside ancotta Road	Poles are between Road & Low Land
34	SP-21	SP-22	44	Beside ancotta Road	Poles are between Road & Low Land
35	SP-22	FP-3	29	LT Line Crossing beside ancotta Road	Poles are between Road & Low Land
36	FP-3	SP-23	12	11 KV Line and ancotta Road Crossing	Poles are beside New ByPass Highway
37	SP-23	SP-24	47	Beside New Bypass Highway	Poles are between New ByPass Highway & LT Line
38	SP-24	SP-25	46	Beside New Bypass Highway	Poles are between New ByPass Highway & LT Line
39	SP-25	DP-11	45	Beside New Bypass Highway	Poles are between New ByPass Highway & LT Line
40	DP-11	SP-26	48	Beside New Bypass Highway	Poles are between New ByPass Highway & LT Line
41	SP-26	SP-27	50	Beside New Bypass Highway	Poles are between New ByPass Highway & LT Line
42	SP-27	SP-28	49	Beside New Bypass Highway	Poles are between New ByPass Highway & LT Line
43	SP-28	SP-29	35	Beside New Bypass Highway	Poles are between New ByPass Highway & LT Line
44	SP-29	SP-30	35	Beside New Bypass Highway	Poles are between New ByPass Highway & LT Line
45	SP-30	SP-31	40	Beside New Bypass Highway	Poles are between New ByPass Highway & LT Line
46	SP-31	SP-32	40	Beside New Bypass Highway	Poles are between New ByPass Highway & LT Line
47	SP-32	SP-33	36	Beside New Bypass Highway	Poles are between New ByPass Highway & LT Line
48	SP-33	DP-12	43	11 KV Line Crossing	Poles are between New ByPass Highway & 11 KV Line

49	DP-12	SP-34	50	Beside New Bypass Highway	Poles are between New ByPass Highway & 11 KV Line
50	SP-34	SP-35	50	Beside New Bypass Highway	Poles are between New ByPass Highway & 11 KV Line
51	SP-35	SP-36	45	11 KV Line Crossing	11 KV Line & Existing Gandhi Udyan to be Disantle by NHIDCL
52	SP-36	SP-37	48	Beside New Bypass Highway	Poles are beside New ByPass Highway
53	SP-37	SP-38	44	Beside New Bypass Highway	Poles are beside New ByPass Highway
54	SP-38	SP-39	39	Beside New Bypass Highway	Poles are beside New ByPass Highway
55	SP-39	SP-40	35	Beside New Bypass Highway	Poles are beside New ByPass Highway
56	SP-40	SP-41	34	11 KV Line Crossing	Poles are between New ByPass Highway and Tea Garden
57	SP-41	SP-42	47	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
58	SP-42	SP-43	47	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
59	SP-43	SP-44	46	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
60	SP-44	SP-45	45	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
61	SP-45	DP-13	46	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
62	DP-13	SP-46	40	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
63	SP-46	SP-47	39	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
64	SP-47	SP-48	41	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
65	SP-48	DP-14	50	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
66	DP-14	DP-15	11	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden

67	DP-15	SP-49	50	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
68	SP-49	SP-50	41	Existing 132 KV Line Crossing	Poles are between New ByPass Highway and Tea Garden
69	SP-50	DP-16	50	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
70	DP-16	SP-51	49	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
71	SP-51	DP-17	34	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
72	DP-17	SP-52	47	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
73	SP-52	SP-53	47	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
74	SP-53	SP-54	47	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
75	SP-54	SP-55	47	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
76	SP-55	SP-56	49	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
77	SP-56	SP-57	47	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
78	SP-57	DP-18	48	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
79	DP-18	SP-58	43	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
80	SP-58	SP-59	43	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
81	SP-59	SP-60	42	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
82	SP-60	SP-61	38	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
83	SP-61	SP-62	50	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden

84	SP-62	DP-19	49	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
85	DP-19	SP-63	49	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
86	SP-63	SP-64	50	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
87	SP-64	SP-65	50	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
88	SP-65	SP-66	49	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
89	SP-66	SP-67	50	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
90	SP-67	SP-68	50	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
91	SP-68	SP-69	50	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
92	SP-69	DP-20	50	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
93	DP-20	SP-70	50	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
94	SP-70	SP-71	35	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
95	SP-71	SP-72	35	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
96	SP-72	SP-73	38	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
97	SP-73	SP-74	44	Beside New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
98	SP-74	FP-4	44	LT Line Crossing at New Bypass Highway	Poles are between New ByPass Highway and Tea Garden
99	FP-4	SP-75	49	New Bypass Crossing	Underground Cable Crossing
100	SP-75	SP-76	49	Tea Garden Land	Poles are in Between Tea Garden Narrow Road
101	SP-76	SP-77	49	Tea Garden Land	Poles are in Between Tea Garden Narrow Road

102	SP-77	SP-78	49	Tea Garden Land	Poles are in Between Tea Garden Narrow Road
103	SP-78	SP-79	49	Tea Garden Land	Poles are in Between Tea Garden Narrow Road
104	SP-79	SP-80	50	Tea Garden Land	Poles are in Between Tea Garden Narrow Road
105	SP-80	DP-21	50	Tea Garden Land	Poles are in Between Tea Garden Narrow Road
106	DP-21	SP-81	47	Tea Garden Land	Poles are in Between Tea Garden Narrow Road
107	SP-81	SP-82	47	Tea Garden Land	Poles are in Between Tea Garden Narrow Road
108	SP-82	SP-83	45	Tea Garden Land	Poles are in Between Tea Garden Narrow Road
109	SP-83	DP-22	40	Tea Garden Land	Poles are in Between Tea Garden Narrow Road
110	DP-22	SP-84	47	Tea Garden Land	Poles are in Between Tea Garden Narrow Road
111	SP-84	SP-85	50	Tea Garden Land	Poles are in Between Tea Garden Narrow Road
112	SP-85	SP-86	49	Tea Garden Land	Poles are in Between Tea Garden Narrow Road
113	SP-86	SP-87	45	Katcha Road	Poles are between PWD Village Road and Paddy Field
114	SP-87	SP-88	37	Katcha Road	Poles are between PWD Village Road and Paddy Field
115	SP-88	DP-23	37	Katcha Road	Poles are between PWD Village Road and Paddy Field
116	DP-23	SP-89	50	Katcha Road	Poles are between PWD Village Road and Paddy Field
117	SP-89	SP-90	50	Katcha Road	Poles are between PWD Village Road and Paddy Field
118	SP-90	SP-91	49	Katcha Road	Poles are between PWD Village Road and Paddy Field
119	SP-91	SP-92	49	Katcha Road	Poles are between PWD Village Road and Paddy Field
120	SP-92	SP-93	48	Katcha Road	Poles are between PWD Village Road and Paddy Field
121	SP-93	SP-94	47	Katcha Road	Poles are between PWD Village Road and Paddy Field
122	SP-94	SP-95	47	Katcha Road	Poles are between PWD Village Road and Paddy Field
123	SP-95	SP-96	47	Katcha Road	Poles are between PWD Village Road and Paddy Field
124	SP-96	SP-97	44	Katcha Road	Poles are between PWD Village Road and Paddy Field
125	SP-97	DP-24	44	Katcha Road	Poles are between PWD Village Road and Paddy Field
126	DP-24	DP-25	11	Katcha Road	PWD Village Road Crossing.
127	DP-25	SP-98	38	Katcha Road	Poles are between PWD

					Village Road and Paddy Field
128	SP-98	SP-99	37	132 KV Line Crossing	Poles are between PWD Village Road and Paddy Field
129	SP-99	SP-100	48	Katcha Road	Poles are between PWD Village Road and Paddy Field
130	SP-100	SP-101	46	Katcha Road	Poles are between PWD Village Road and Paddy Field
131	SP-101	SP-102	47	Katcha Road	Poles are between PWD Village Road and Paddy Field
132	SP-102	SP-103	47	Katcha Road	Poles are between PWD Village Road and Paddy Field
133	SP-103	SP-104	44	Katcha Road	Poles are between PWD Village Road and Paddy Field
134	SP-104	SP-105	43	Katcha Road	Poles are between PWD Village Road and Paddy Field
135	SP-105	SP-106	50	Katcha Road	Poles are between PWD Village Road and Paddy Field
136	SP-106	SP-107	49	Katcha Road	Poles are between PWD Village Road and Paddy Field
137	SP-107	DP-26	49	Katcha Road	Poles are between PWD Village Road and Paddy Field
138	DP-26	SP-108	35	Katcha Road	Poles are between PWD Village Road and Paddy Field
139	SP-108	SP-109	43	Katcha Road	Poles are between PWD Village Road and Paddy Field
140	SP-109	SP-110	44	Katcha Road	Poles are between PWD Village Road and Paddy Field
141	SP-110	SP-111	35	Katcha Road	Poles are between PWD Village Road and Paddy Field
142	SP-111	SP-112	39	Katcha Road	Poles are between PWD Village Road and Paddy Field
143	SP-112	SP-113	49	Katcha Road	Poles are between PWD Village Road and Paddy Field
144	SP-113	SP-114	48	Road (Railways)	Poles are between PWD Village Road and Paddy Field
145	SP-114	SP-115	44	33 KV & 11 KV Line Crossing	Poles are between PWD Village Road and Paddy Field
146	SP-115	SP-116	37	Road (Railways)	Poles are between PWD Village Road and Paddy Field
147	SP-116	SP-117	34	Road (Railways)	Poles are between PWD Village Road and Paddy Field
148	SP-117	FP-5	34	Road Crossing (Railways)	Poles are between of Railways Road and Low Land
149	FP-5	SP-118	50	Road (Railways)	Poles are between of Railways Road and Low Land
150	SP-118	SP-119	40	Road (Railways)	Poles are between of Railways Road and Low Land
151	SP-119	SP-120	36	Road (Railways)	Poles are between of Railways Road and Low Land

152	SP-120	SP-121	36	Road (Railways)	Poles are between of Railways Road and Low Land
153	SP-121	SP-122	35	Road (Railways)	Poles are between of Railways Road and Low Land
154	SP-122	SP-123	44	LT Line & 11 KV Line Crossing	Poles are between of Railways Road and Low Land
155	SP-123	FP-6	50	Road (Railways)	Poles are between of Railways Road and Low Land
156	FP-6	DP-27	49	Railway Land	Railway Land. Low Land
157	DP-27	DP-28	78	Railway Track Crossing UG Cable	Railway Land. Low Land
158	DP-28	SP-124	40	Railway Land	Railway Land. Low Land
159	SP-124	DP-29	33	Railway Land	Railway Land. Low Land
160	DP-29	FP-7	32	Road Crossing (Railways)	Poles are between of Railways Road and Low Land
161	FP-7	SP-125	43	Road (Railways)	Poles are between of Railways Road and Low Land
162	SP-125	SP-126	45	Road (Railways)	Poles are between of Railways Road and Low Land
163	SP-126	SP-127	44	Road (Railways)	Poles are between of Railways Road and Low Land
164	SP-127	SP-128	43	Road (Railways)	Poles are between of Railways Road and Low Land
165	SP-128	SP-129	45	Road (Railways)	Poles are between of Railways Road and Low Land
166	SP-129	SP-130	43	Road (Railways)	Poles are between of Railways Road and Low Land
167	SP-130	FP-8	40	Road (Railways)	Poles are between of Railways Road and Low Land
168	FP-8	SP-131	47	PWD Road	Poles are between of Railways Road and Low Land
169	SP-131	SP-132	48	PWD Road	Poles are beside of PWD Road
170	SP-132	SP-133	48	PWD Road	Poles are beside of PWD Road
171	SP-133	SP-134	45	PWD Road	Poles are beside of PWD Road and Residential Building
172	SP-134	SP-135	40	LT Line Crossing PWD Road	Poles are beside of PWD Road and Residential Building
173	SP-135	SP-136	31	PWD Road	Poles are beside of PWD Road and Residential Building
174	SP-136	DP-30	32	PWD Road	Poles are beside of PWD Road and School Building
175	DP-30	DP-31	26	Road, LT Line & 11KV Line Crossing	
176	DP-31	SP-137	46	PWD Road	Poles are between of PWD Road and Low Land

177	SP-137	SP-138	46	PWD Road	Poles are between of PWD Road and Low Land
178	SP-138	SP-139	46	PWD Road	Poles are between of PWD Road and Low Land
179	SP-139	SP-140	46	PWD Road	Poles are between of PWD Road and Low Land
180	SP-140	SP-141	47	PWD Road	Poles are between of PWD Road and Low Land
181	SP-141	SP-142	48	PWD Road	Poles are between of PWD Road and Low Land
182	SP-142	SP-143	49	PWD Road	Poles are between of PWD Road and Low Land
183	SP-143	SP-144	45	PWD Road	Poles are between of PWD Road and Low Land
184	SP-144	SP-145	42	PWD Road	Poles are between of PWD Road and Low Land
185	SP-145	SP-146	41	PWD Road	Poles are between of PWD Road and Residential Area
186	SP-146	SP-147	41	PWD Road	Poles are between of PWD Road and Residential Area
187	SP-147	SP-148	42	PWD Road	Poles are between of PWD Road and Residential Area
188	SP-148	DP-32	40	PWD Road	Poles are between of PWD Road and Residential Area
189	DP-32	DP-33	17	PWD Road	Poles are between of PWD Road and Residential Area
190	DP-33	SP-149	34	PWD Road	Poles are between of PWD Road and Residential Area
191	SP-149	SP-150	20	PWD Road	Poles are between of PWD Road and Residential Area
192	SP-150	DP-34	43	PWD Road	11 KV Crossing
193	DP-34	DP-35	21	Road Crossing	Poles are between of PWD Road and Residential Area
194	DP-35	SP-151	47	Colony Road	Poles are between of PWD Road and Residential Area
195	SP-151	SP-152	48	Colony Road	Poles are between of PWD Road and Residential Area
196	SP-152	DP-36	46	Colony Road	Poles are between of PWD Road and Residential Area
197	DP-36	DP-37	15	33 KV, 11KV Line & Road Crossing	Poles are between of PWD Road and Residential Area
198	DP-37	SP-153	45	Tea Garden Land	Poles are at Tea Garden
199	SP-153	SP-154	45	Tea Garden Land	Poles are at Tea Garden
200	SP-154	SP-155	45	Tea Garden Land	Poles are at Tea Garden
201	SP-155	FP-9	43	Tea Garden Land	Poles are at Tea Garden
202	FP-9	SP-156	50	Tea Garden Land	Poles are at Tea Garden
203	SP-156	SP-157	50	Tea Garden Land	Poles are at Tea Garden
204	SP-157	SP-158	50	Tea Garden Land	Poles are at Tea Garden
205	SP-158	SP-159	45	11KV Line Crossing	Poles are at Tea Garden

206	SP-159	SP-160	50	Tea Garden Land	Poles are at Tea Garden
207	SP-160	DP-38	50	Tea Garden Land	Poles are at Tea Garden
208	DP-38	SP-161	50	Tea Garden Land	Poles are at Tea Garden
209	SP-161	SP-162	50	Tea Garden Land	Poles are at Tea Garden
210	SP-162	SP-163	50	Tea Garden Land	Poles are at Tea Garden
211	SP-163	SP-164	50	Tea Garden Land	Poles are at Tea Garden
212	SP-164	SP-165	50	Tea Garden Land	Poles are at Tea Garden
213	SP-165	DP-39	50	Tea Garden Land	Poles are at Tea Garden
214	DP-39	SP-166	50	Tea Garden Land	Poles are at Tea Garden
215	SP-166	SP-167	50	Tea Garden Land	Poles are at Tea Garden
216	SP-167	SP-168	47	Tea Garden Land	Poles are at Tea Garden
217	SP-168	FP-10	43	Tea Garden Land	Poles are at Tea Garden
218	FP-10	GANTR Y	10	33/11 kV New Dibrugarh Substation	Poles are at Tea Garden
Total Span			9341		

Note : Pole Type, Span, No & Qty may change as per site requireent and direction from PGCIL

Total location count- 218

Total Single Pole- 168

Total Double pole- 39

Total 4 pole- 10

Total SP76 pole Location- 42

ANNEXURE - 5

DETAILS OF PUBLIC CONSULTATION

"PUBLIC MEETING"

Subject: Construction of 220KV Tinsukhia - Behikting T/L & associated distribution lines (Under World Bank) assistance & under North Eastern Regional Power System Improvement Project

Venue: 220KV Substation at Tinsukhia (AEGCL)

Dated: 14.10.2014

Details of meeting:

Today held the 14th October 2014 at 11 AM a public meet has been arranged at 220KV substation at Tinsukhia (under AEGCL) to discuss the various issues against the above village headman project. Representatives of POWERCO, AECL & Local village headman & some common public was also present at the meet. Improvement of the North Eastern Region Power System 'Improvement' A brief of the North East bank assistance has been

Project (NERPSIP) under the world bank assistance has been detailed at the beginning of the meeting by POWERCO representative. Importance & necessity of the project, necessity for upgradation of existing transmission & distribution network, various environmental & social issues associated with the project have been briefly discussed and appraised to the public present in the meet.

Subsequently representatives from the public also raised various concerns about the project and summarized as below:

- * To avoid habitation & plantation areas during detailed survey of line.
- * To engage local labour force during construction period to ensure of compensation.
- * To expedite the process of compensation of the project and However all the public present have agreed to the necessity and importance of the project. AEGCL/POWERCO have assured all issues will be taken care during implementation of the project. Adequate provisions have been made for the project. The meeting has been conducted with a request to all the public for their support for the project & vote of thanks to the Organization.

Attendees sheet enclosed

আঁচনিৰ সৰ্বিশেষ



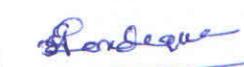
(220 কে.ভি. তিবচুকীয়া - গুৱাহাটী আৰু ইয়াৰ মাজলৈ ১ বিতৰণ
খণ্ডৰ উন্নয়ন)

অসমৰ শক্তি খণ্ডক পৰ্যাপ্ত পৰিমাণে শক্তিশালী কৰিবলৈ বিশ্ববংকে (The WORLD BANK) ভাৰত চৰকাৰৰ জৰিয়তে অসম চৰকাৰক এক ঋণ ব্যৱস্থাৰ সুবিধা প্ৰদান কৰিছে যাৰ দ্বাৰা উপ-আস্থান (Sub-Station), পৰিবহন লাইন (Transmission Line), বিতৰণ লাইন (Distribution Line) সমূহৰ নিৰ্মান কাৰ্য আৰু পূৰ্বতে থকা উপ-আস্থান সমূহৰ বিস্তাৰ (Augmentation/Expansion) কৰা হ'ব। শক্তি খণ্ডৰ উন্নয়নৰ এই আঁচনিৰ জৰিয়তে

১) পৰিবহন বিতৰণ ব্যৱস্থাৰ (Transmission & Distribution Network) পৰিবহন ক্ষমতা বৃদ্ধিৰ লগতে পৰিবহন আৰু বিতৰণ ক্ষতি (T & D Loss) হ্রাস কৰা আৰু ২) চাহিদাৰ ক্ষেত্ৰ (Demand side management) খনৰ বাবেও বিশেষ ব্যৱস্থা গ্ৰহন কৰা হ'ব। অসম বিদ্যুৎ গ্ৰীড নিগম লিমিটেড (AEGCL) হৈছে উপৰুক্ত আঁচনিৰ কাৰ্যকাৰী সংস্থা (Executing Agency)। উক্ত আঁচনিৰ অধীনত ~~১৯৯৯~~ ২২০ কে.ভি., তিবচুকীয়া - নিউ ডিব্ৰুগড় (বেহিয়াটিং) পৰিবহন লাইন নিৰ্মান কাৰ্য হাতত লোৱা হৈছে। পৰিবহন লাইনৰ নিৰ্মান কাৰ্যৰ সময়ত কোনো ধৰনৰ অস্থায়ী ক্ষতিৰ বাহিৰে স্থায়ী ভূমি অধিগ্ৰহনৰ (Land Acquisition) প্ৰয়োজন নহয়। এই প্ৰকল্পৰ জৰিয়তে ক্ষতিগ্ৰস্ত পৰিয়ালক সমুচিত ক্ষতিপূৰণৰ ব্যৱস্থা কৰা হ'ব। শক্তি খণ্ড উন্নয়নৰ এই আঁচনিৰ জৰিয়তে সমাজৰ আৰ্থ-সামাজিক ব্যৱস্থা সবলীকৰণৰ ক্ষেত্ৰত পৰ্যাপ্ত পৰিমাণে সহায় কৰিব।

অসম বিদ্যুৎ গ্ৰীড নিগম লিমিটেড, অসম

Public Meeting for 220KV Tinsukia - Behring line,
Date: 14-10-2014.

<u>Sl. No.</u>	<u>Name.</u>	<u>Signature.</u>
1.	HIMANSHU RAJ GOGI	 14/10/2014
2.	Sri Baleswar Konwar	14.10.2014
3.	ଅନିଲ କୁମାର ଚନ୍ଦ୍ର	 14/10/14
4.	ଅନିଲ କୁମାର ଚନ୍ଦ୍ର (ଅଧ୍ୟକ୍ଷ) ଅଧ୍ୟକ୍ଷ	 14.10.2014
5.	Sri Manik Phukan (Niz Teyakhat)	14/10/2014, Phone no 7399520205
6.	Sri Surma Konwar (Borhula Kachari)	 14.10.2014 - Phone no 9508092159
7.	Mina Raim Gogoi	
8.		
9.	L. Dehingar	
10.	Ushin Gogoi	
11.	Hemete Jadhav	
12.	Sanit-Kulung	
13.	Kishore Ranjan Dutta	
14.	Pradip Boruah	
15.	Kamala Kumar	
16.	Parash Chetali	
17.	Chirud Senapati	
18.	Sri Satish Gogoi	
19.	Dharmeswar Choudhary	
20.	Bipal Singh	

21. Lipeswar Khari kor

22. Basanta Gogoi

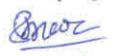
23. Rodali Khaund

24. Chandan Kumar Datta.

25. Prodyot Datta, — 

26. K-C Barmen —  for PGCL

27. K. Gogoi —  for AEGCL

28. P. Rajkumar —  for AEGCL

29. T. Baruah —  for AEGCL

30. H.R. Choudhury —  for PGCL

"PUBLIC MEETING"

Subject : Construction of 132 kV D/C Rupaï - Chapakhowa T/L & associated distribution lines (Under WORLD BANK assistance & under North Eastern Region Power System Improvement Project).

Venue :- 132 kV GRID sub-station at RUPAÏ (under AEGCL) conference Hall.

Dated :- 2 17-06-2014. (Rupaï development Block Dist: TRISUKIA, Assam)

Details of Meeting

Today dated the 17th June, 2014 at 11 AM, a public Meeting has been convened at the Conference Hall of 132 kV Rupaï GRID Sub-Station of AEGCL to discuss the various issues against the above mentioned Project. Representatives of POWERGRID, AEGCL & Local Village Headmen & some common public were also present at the meeting.

~~The public~~ A brief of the North Eastern Region Power System Improvement Project (NERPSIP) under the WORLD BANK assistance has been deliberated at the beginning of the meeting by POWERGRID representative. Importance & necessity of the Project, ~~at~~ necessity for upgradation of existing Transmission & distribution network, various environment & social issues associated with the project have been briefly discussed and apprised to the public present in the meeting.

Subsequently representatives from the public also responded and raised various concerns about the ~~proj~~ pros & cons of the Project. The various issues raised by the public are summarised as below

* To avoid habitation & plantation areas during ^{detail} survey of the line and also to consult local village headman for finalizing of the route corridor.

* To engage local labour force during construction period, and to train them, if required.

* To expedite the process of disbursement of compensation.

~~Also~~ However, all the public present have unanimously agreed to the necessity and importance of the project and assured their co-operation during implementation of the Project.

AEGCL/POWERGRID have assured that all the genuine issues will be duly ~~deligently~~ taken care of during implementation of the Project. Adequate provisions have been kept in the NERPSIP for addressing all compensation related measures of the Project.

The meeting has been concluded with a request to all public for their support in completion of the Project & vote of thanks to the Organizer.

Note : Attendance sheet enclosed

বাণিজ্য সভা

বিষয় : ১৬২ কে.ভি. কপাই - চম্পাধোম পরিবহন লাইন আৰু ইয়াৰ সংনয়ন বিতরণ ব লাইন ৩৩ (কে.ভি.) নিয়মিত সন্দর্ভ (বিশ্বব্যাংকৰ সাহায্যত)

স্থান : ১৬২ কে.ভি. কপাই উপজাখান প্রেক্ষাগৃহ (ভয়ম কাণ্ডিক বিদ্যুত নিয়ম লিখি লিখিটোৰ অধীনত) কপাই - হেডকোম্পাৰ্ট - ব্লক , জিলা : তিনিচুকীয়া ।

তাৰিখ : ১৭-০৬-২০১৪

সভাৰ সন্নিবেশ : তাৰিখ - ১৭ জুন, ২০১৪ দিনৰ ১০ ঘটাত কপাই উপজাখান প্রেক্ষাগৃহত (ভয়ম কাণ্ডিক বিদ্যুত নিয়ম লিখিটোৰ অধীনত) বিশ্বব্যাংকৰ সাহায্যত ইবলনগীয়া উপকক আঁচনিৰ সন্দর্ভ উন্নয়ন বাণিজ্য সভা অনুষ্ঠিত হৈ গ'ল। উক্ত সভাত পাৰ্যায়িত, ভয়ম কাণ্ডিক বিদ্যুত নিয়ম লিখিটোৰ বিষয়বস্তু আৰু সন্দর্ভ বাহীৰ উপস্থিত থাকে।

সভাৰ আৰম্ভণিত বিশ্বব্যাংকৰ সাহায্যত ইবলনগীয়া NERPSIP আঁচনিৰ বিষয়ে সমাজসেৱা বাহীৰক সন্নিবেশ কোৱা হয়। সেয়াতে উক্ত আঁচনিৰ প্ৰয়োজনীয়তা, বিদ্যুত পৰিচালনা/লাইন বিতরণ লাইনত সন্দর্ভসমূহৰ আৱশ্যকতা, আঁচনিৰ লাভোপকৰক দিশসমূহ আৰু ক্ষমতাশীল দিশতোহো বিগতকালৰ আলোচনা কৰা হয়। আঁচনিৰ পৰা ইবলনগীয়া ক্ষতিপূৰণ আৰু ইয়াৰ নিয়ন্ত্ৰণকাৰী সন্দর্ভতো সন্নিবেশ আলোচনা কৰা হয়।

ইয়াত পৰামৰ্শ প্ৰদান - পৰামৰ্শিত সমাজসেৱা বাহীৰক জ্ঞানপ্ৰদান আঁচনি সন্দর্ভ সত্ৰমত প্ৰকাশ কৰা হয়। সভাত সমূহ তলত দিয়া বিষয়ত :

- * জৰীপকাৰ্য্যত সন্নিবেশত সন্নিবেশ কৰাতিপ্ৰধান অফল সমূহ পৰিচালনা কৰা আৰু - বাহীৰক সত্ৰমত লৈহে - লাইনৰ কৰিচৰ সন্নিবেশ কৰা।
 - * সুনিয়ম লোকৰ নিয়মিত কৰ্মত - নিয়ন্ত্ৰণ কৰা কৰা।
 - * ক্ষতিপূৰণ প্ৰক্ৰিয়াৰ ওপৰত নিয়ন্ত্ৰণ কৰা ইতিহাস ইত্যাদি . . .
- সমাজসেৱা - বাহীৰক একলোৰে আঁচনিৰ প্ৰয়োজনীয়তা সন্দর্ভ সত্ৰমত প্ৰকাশ কৰে। পৰামৰ্শিত আৰু বিদ্যুত নিয়মৰ তৰফৰ পৰা - বাহীৰক সত্ৰমত সমূহ প্ৰক্ৰিয়াসমূহৰ বিবেচনা কৰা ইবলনগীয়া প্ৰতিষ্ঠাতি দিয়া হয়। অবশেষত উক্ত আঁচনিৰ সকলতো বামে একলোৰে সন্নিবেশ প্ৰয়োজনীয়তা কৰা কৰি উক্ত সভাৰ আৰম্ভণি হোৱা কৰা হয়।
- উপস্থিত বাহীৰক হস্তাক্ষৰ : ইবলনগীয়া

"बाजण्वा अड्डा"

विषय :- विश्वबैंक (WORLD BANK) माध्यत विद्युत परिवहन
लाइन निर्माण ।

परिवहन लाइन : 132 के.वि. कपाई - चापाखोवा
(132 KV RUPAI - CHAPAKHWA)

सूचन : कपाई वि. आड्डान (A & G E L)

उपस्थित कार्यकर्ता - 25/1/2008

- 2) श्री Bireen Monam
- 3) श्री Roki Kishan, Gaon Burah, Jengagaon.
- 3) श्री Meleswar Motam
- 4) श्री [unclear]
- 5) श्री [unclear]
- 6) Politeo Sawashi
- 7) श्री prakash Lebonde
- 8) श्री - Asha mude.
- 9) Fullmani monde
- 10) श्री [unclear]
- 11) दादा विठान
- 12) श्री [unclear]
- 13) Wand Singh Wanley - Tenga garden
- 14) Nit Sawashi - 00 -

Photographs of Public Consultation held at Tinsukia on 14th Oct'2014




অসম বিদ্যুত গ্ৰীড নিগম লিমিটেড
(ASSAM ELECTRICITY GRID CORPORATION LIMITED)

“ৰাজহুৱা সভা”

বিষয়ঃ বিশ্ব বেংকৰ (WORLD BANK) সাহায্যত বিদ্যুৎ পৰিবহন লাইন নিৰ্মান
পৰিবহন লাইনঃ ২২০ কে.ভি. ডিব্ৰুগড়ীয়া – ডিব্ৰুগড় (বোম্বাৰ্জি)

স্থানঃ ডিব্ৰুগড়ীয়া তাৰিখঃ ১৪-১০-২০১৪



Photographs of Public Consultation held at Rupai, on 17th June'2014



PUBLIC AWARENESS MEETING

Subject: Construction of 33kV line from 220/132kV Behiating S/S to 33/11kV New Bogibeel S/S under North Eastern Region Power System Improvement Project (NERPSIP), a World Bank funded Scheme.

Venue: Khanikar Gaon Panchayat Office, Khanikar, Dibrugarh

Date & Time: 25/04/2017, 11:30am onwards

A public awareness meeting was held at the office of Gaon Panchayat (Khanikar), Dist - Dibrugarh, Assam on 25th April 2017 from 11:30am onwards to apprise the public about Construction of a New 33kV line from 220/132kV Behiating S/S to 33/11kV New Bogibeel S/S under North Eastern Region Power System Improvement Project (NERPSIP), a World Bank funded Scheme and also to discuss the various issues associated with the proposed 33kV line. The meeting was held in presence of representatives from Assam Power Distribution Company Limited along with officers of Power Grid Corporation Of India Ltd, Counselor (Gaon Panchayat), Secretary (Gaon Panchayat) and public of the nearby areas.

The meeting started with a detailed overview on the necessity of the NERPSIP Project, benefits of the project for the general public, various environment and socio-economic issues, various compensation related issues etc by Power Grid Officials. A leaflet termed "PROJECT SUMMARY" was also handed over to all the attendees of the meeting. Subsequently, after the brief from Power Grid and APDCL officials, it was requested to raise project related issues from the attendees so that appropriate clarification can be provided from the project proponent.

In this regard, various issues were raised by the public for proper execution of the project in their locality. The various issues raised were:

- Proper intimation to respective Land owner(s) prior to constructional activities on his/her land.
- Providing proper guard wires in lines passing through residential areas.
- Proper and uniform payment of compensation to all the eligible beneficiaries /land owners, where damage is incurred during construction of the line.
- Constructional Activities during paddy/wheat cultivation time in paddy field areas are to be avoided, as far as possible.

Officials from Power Grid Corporation Of India Ltd and Assam Power Distribution Company Limited (APDCL) assured that all the genuine issues raised by the public will be taken care of during execution of the project and also suitable lawful compensation will be paid for any damages caused during implementation of the project. Subsequently, all the attendees unanimously accepted the need for implementation of the project which will benefit the common public.

The meeting concluded with a request to all for providing full support while implementation of the project and a vote of thanks to the public and other officials for attending the meeting.

PUBLIC AWARENESS MEETING

Subject: Construction of 33KV line from 132/33KV Chapakhowa(new) S/S to Existing 33/11KV S/S Chapakhowa under North Eastern Region Power System Improvement Project (NERPSIP), a world Bank funded Scheme.

Venue: POWERGRID Office, Chapakhowa

Date & Time: 1/5/2017, 10:30AM onwards.

A public awareness meeting was held at POWERGRID Office Chapakhowa, Dist: Tinsukia, Assam on 1/5/2017 from 10:30AM onwards to aware the public about construction of 33KV transmission line from 132KV new S/S to existing 33/11KV S/S under NERPSIP Scheme.

The meeting was held in the presence of representative from APDCL, President (gaon panchayat),Secretary (gaon panchayat), Gaon Buha, public of the nearby areas and the POWERGRID officials.

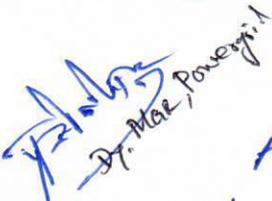
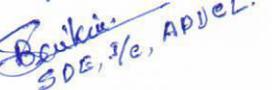
POWERGRID express brief details on the necessity of the NERPSIP project, benefits of the project for the general public and various environment & socio-economic issues, compensation related issues etc. Subsequently, after the brief from POWERGRID and APDCL officials, it was requested to raise project related issue from the attendees so that appropriate clarification can be provided from the project proponent.

In this regard, various issues were raised by the public for proper execution of the project in their locality. The various issues raised were:

- 1) Proper intimation to respective land owner prior to constructional activities on his/her land.
- 2) Providing proper guard wires in line passing through residential areas
- 3) Proper and uniform payment of compensation to all the land owners where damage is incurred during construction of the line.
- 4) No constructional activities during paddy/wheat cultivation time in paddy field areas.

Officials from POWERGRID and APDCL assured that the entire genuine issues raise by the public will be taken care of during execution of the project and also suitable compensation will be paid for any damages caused during implementation of the project. Subsequently, all the attendees unanimously accepted the need for implementation of the project which will benefit the common public.

The meeting concluded with a request to all for providing full support while implementation of the project and a vote of thanks to the public and other officials for attending the meeting.


Dr. Manoj Powergrid

Beukia
SDE, J/c, APDCL.


Arun Borogochai


Bihira


Rukpan

PRESENCE : of Public Awareness meeting - Regarding
Construction of 33 KV T/L from Chapakhawa APDCL(S/S)
existing to Chapakhawa AEGCL, S/S (new u/cont.)
Approx. length 2.7 KM.

1. Sri Biman Saikia (SDE I/c, APDCL)
2. Sri Prafulla Bore Gohain (Member (Genl))
3. Shouba Kishore Sangiary (Electrical Engg, NECCON) Site incharge
4. Ritupon Borgohain (Safety officer, NECCON)
5. Anjurona Gohain (President) (Na-Gaon) 
6. Sailem Hazarika seely
Nogoan Gram Panchayat 
7. Anjurona Bora 
8. Pankaj Gayan, Accountant Sadwya FRU 
9. Chandrakonwar ASERB
10. Bismajet Gogoi
11. Ramesh Deso' Gaon Burha, 2 no Borgorah Deepani
Borgorah Majuli, Borgorah Palek,
Borgorah Hahkhati.
12. Prasenjit Datta - Powergrid
13. Anuprati Gogoi

14) Anur Pragolinc - Anur Buragolinc

15) Puima kanta Gasi Rajar

16) Bitupan Sonowal. (PGCIL, FS (CIVIL)) Indira

17) Bitupan Das (PGCIL, FS (Electrical)) ~~Das~~

18) M. Banekanta Buragolinc. Buragolinc

19) Indira Deori (Borjya A.M.) Deori

20)

21)

PUBLIC AWARENESS MEETING

Subject: Construction of 33kV line from 132kV Dibrugarh (Kodomoni) S/S to 33/11kV New Romai S/S under North Eastern Region Power System Improvement Project (NERPSIP), a World Bank funded Scheme.

Venue: Near NH 37, Niz Moidumia Gaon, Mohanbari, Dibrugarh

Date & Time: 16/05/2017, 11:00am onwards

A public awareness meeting was held near National Highway 37, Niz Moidumia Gaon, Mohanbari, Dist - Dibrugarh, Assam on 16th May 2017 from 11:00am onwards to apprise the public about Construction of New 33kV line from 132kV Dibrugarh (Kodomoni) S/S to 33/11kV New Romai S/S under North Eastern Region Power System Improvement Project (NERPSIP), a World Bank funded Scheme and also to discuss the various issues associated with the proposed 33kV line. The meeting held in the presence of representative from Assam Power Distribution Company Limited along with officers of Power Grid Corporation Of India Ltd and public of the nearby areas.

The meeting started with a introduction of the conducting officers and detailed overview by Power Grid Officials on the necessity of the NERPSIP Project, benefits of the project for the general public, various environment and socio-economic issues, various compensation related issues etc. A leaflet termed "PROJECT SUMMARY" was also handed over to all the attendees of the meeting. Subsequently, after the brief from Power Grid and APDCL officials, it was requested to raise project related issues from the attendees so that appropriate clarification can be provided from the project proponent.

In this regard, various issues were raised by the public for proper execution of the project in their locality. The various issues raised were:

- Proper intimation to respective Land owner(s) prior to constructional activities on his/her land.
- Proper and uniform payment of compensation to all the land owners where damage is incurred during construction of the line.
- To engage the local people in constructional activities wherever possible.

Officials from Power Grid Corporation Of India Ltd and Assam Power Distribution Company Limited (APDCL) assured that all the genuine issues raised by the public will be taken care of during execution of the project and also suitable compensation will be paid for any damages caused during implementation of the project. Subsequently, all the attendees unanimously accepted the need for implementation of the project which will benefit the common public.

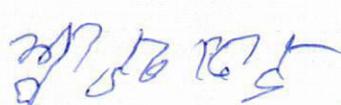
The meeting concluded with a request to all for providing full support while implementation of the project and a vote of thanks to the public and other officials for attending the meeting.

Public Awareness Meeting for 33kV line from 132kV Dibrugarh (Kodomon) S/S to
33/11kV New Romai S/S under NERPSIP

Venue: Near Sunfeast Dhaba, Lahoal, Dibrugarh

Date & Time: 16/05/2017, 11:00am onwards

List of Participants:

1. Ranubion Baruah
2. Papu Baruah
3. Chandan Baruah
4. Rantu Baruah
5. Jatin Gogoi
6. Santu Gogoi
7. Sanjib Baruah
8. 
9. Akhoni Boruah
10. S/s Kanchan Baruah
11. Suman Jyoti Gogoi
12. Himu Gogoi

13. Mooli Kha Gooli
14. Raru Baruah
15. কুম্বী বকরা
16. আশিলা বকরা
17. Ruru Baruah
18. কালী বকরা
19. উষা বকরা /
20. kabita Baruah
21. উষা বকরা
22. নিমলা বকরা
23. আশিলা বকরা
24. কালী বকরা
25. আশিলা বকরা
26. কুম্বী বকরা
27. Uoti Gohain.
28. শ্রীনিবাস বকরা
29. ~~কুম্বী~~
30. কুম্বী বকরা
31. Mridul Gohain
32. S.F. Shah,
33. M. Bmagolain
S.D.E. APDCL

35: Bhaskar Jyoti Das, FE, Powergrid, Dibrugarh

36. D. Naga Sai Manu

37. Santana Beishya, FO (ESM), POWERGRID, Guwahati

Photographs of Public Consultation held at Bogibil (Dibrugarh) on 25th Apr'2017



Photographs of Public Consultation held at Chapakhowa on 1st May 2017



Photographs of Public Consultation held at Mohanbari (Dibrugarh) on 16th May 2017

