

**BEFORE
THE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI**

**PETITION FOR
APPROVAL OF TRANSMISSION TARIFF**

For

Transmission Assets of

Project - "Implementation of 2 no. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)"

Implemented by

POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED

For

TARIFF BLOCK: 2024-29

PETITION NO.....

**POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED
(FORMERLY KNOWN AS BIKANER-II BHIWADI TRANSCO LIMITED)**

REGISTERED OFFICE

**B-9, QUTAB INSTITUTIONAL AREA, KATWARIA SARAI,
NEW DELHI - 110 016**

ADDRESS FOR CORRESPONDENCE

**ED(TBCB), POWER GRID CORPORATION OF INDIA LIMITED
"SAUDAMINI", PLOT NO.2, SECTOR -29, GURGAON 122 001 (HARYANA)**



**BEFORE
THE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI**

PETITION NO.: .../TT/2024

IN THE MATTER OF: Petition for determination of transmission tariff for 2024-29 tariff block for assets under *“Implementation of 2 no. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)”* in Northern Region under Section 62 read with Section 79(1)(d) of the Electricity Act, 2003, Regulation 15(1)(a) and Regulation 23 of Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 read with Central Electricity Regulatory Commission (Terms and Condition of Tariff) Regulations, 2024.

POWERGRID Bikaner Transmission System Limited

Registered office: B-9, Qutab Institutional Area,

Katwaria Sarai, New Delhi-110 016

Address for Correspondence: ED (TBCB), “SAUDAMINI”,

Plot No.-2, Sector-29, Gurgaon-122 001 (Haryana)

.....PETITIONER

Uttar Pradesh Power Corporation Limited (UPPCL)

Import Export Payment Circle, 14th Floor,

Shakti Bhawan Extn. Building, 14 - Ashok Marg, Lucknow

And others

.....RESPONDENT(S)

Filed by
POWERGRID Bikaner Transmission System Limited
Represented by

PLACE: Gurgaon

DATED: 27.01.2025

**Project in Charge,
POWERGRID Bikaner Transmission System Limited**



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THE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

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.....PETITIONER

Versus

Uttar Pradesh Power Corporation Limited (UPPCL)

Import Export Payment Circle, 14th Floor,

Shakti Bhawan Extn. Building, 14 - Ashok Marg, Lucknow

.....RESPONDENT(S)

And others

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Filed by
POWERGRID Bikaner Transmission System Limited

PLACE: Gurgaon

DATED: 27.01.2025

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POWERGRID Bikaner Transmission System Limited



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POWERGRID Bikaner Transmission System Limited

.....PETITIONER

Uttar Pradesh Power Corporation Limited (UPPCL)
And others

.....RESPONDENT(S)

To,
The Secretary,
Central Electricity Regulatory Commission,
New Delhi-110001

Sir,
The present tariff Petition is being filed under Section 62 read with Section 79 (1) (d) of the Electricity Act, 2003 and under Regulation 15 (1) (a) & Regulation 23 of Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 read with Central Electricity Regulatory Commission (Terms and Condition of Tariff Regulations), 2024 and the same may please be registered and taken on record by the Hon'ble Commission.

Filed by
POWERGRID Bikaner Transmission System Limited

Represented by

PLACE: Gurgaon
DATED: 27.01.2025

Project in Charge,
POWERGRID Bikaner Transmission System Limited



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.....PETITIONER

Uttar Pradesh Power Corporation Limited (UPPCL)

Import Export Payment Circle, 14th Floor,

Shakti Bhawan Extn. Building, 14 - Ashok Marg, Lucknow

And others

.....RESPONDENT(S)

MEMO OF PARTIES

Power Grid Corporation of India Ltd.

Registered office: B-9, Qutab Institutional Area,

Katwaria Sarai, New Delhi. 110 016.

Corporate Centre: ‘SAUDAMINI’, Plot No-2,

Sector-29, Gurgaon-122 001 (Haryana).

VERSUS

1. UTTAR PRADESH POWER CORPORATION LTD.

SHAKTI BHAWAN, 14, ASHOK MARG

----RESPONDENT(S)



LUCKNOW - 226 001

REPRESENTED BY ITS CHAIRMAN

2. AJMER VIDYUT VITRAN NIGAM LTD

CORPORATE OFFICE, VIDYUT BHAWAN,
PANCHSHEEL NAGAR, MAKARWALI ROAD
AJMER-305004 (RAJASTHAN)

REPRESENTED BY ITS MANAGING DIRECTOR

3. JAIPUR VIDYUT VITRAN NIGAM LTD

132 KV, GSS RVPNL SUB- STATION BUILDING,
CALIGIRI ROAD, MALVIYA NAGAR,
JAIPUR-302017 (RAJASTHAN)

REPRESENTED BY ITS MANAGING DIRECTOR

4. JODHPUR VIDYUT VITRAN NIGAM LTD

NEW POWERHOUSE, INDUSTRIAL AREA,
JODHPUR – 342 003 (RAJASTHAN)

REPRESENTED BY ITS MANAGING DIRECTOR

5. HIMACHAL PRADESH STATE ELECTRICITY BOARD LTD

VIDYUT BHAWAN,
KUMAR HOUSE COMPLEX BUILDING II
SHIMLA-171 004

REPRESENTED BY ITS CHAIRMAN

6. PUNJAB STATE POWER CORPORATION LIMITED

THE MALL, PSEB HEAD OFFICE,
PATIALA - 147 001

REPRESENTED BY ITS CHAIRMAN AND MANAGING DIRECTOR

7. HARYANA POWER PURCHASE CENTRE

SHAKTI BHAWAN, SECTOR-6
PANCHKULA (HARYANA) 134 109
REPRESENTED BY ITS S.E. / C & R-1

8. JAMMU KASHMIR POWER CORPORATION LIMITED

220/66/33 KV GLADNI SS SLDC BULIDING
NARWAL, JAMMU



REPRESENTED BY ITS CHAIRMAN

9. BSES YAMUNA POWER Ltd,
B-BLOCK, SHAKTI KIRAN, BLDG.
(NEAR KARKADOOMA COURT),
KARKADOOMA 2ND FLOOR, NEW DELHI-110092
REPRESENTED BY ITS CEO

10. BSES RAJDHANI POWER Ltd,
BSES BHAWAN, NEHRU PLACE, NEW DELHI
REPRESENTED BY ITS CEO

11. TATA POWER DELHI DISTRIBUTION LTD.
33 KV SUBSTATION, BUILDING, HUDSON LANE,
KINGSWAY CAMP, NORTH DELHI - 110009
REPRESENTED BY ITS CEO

12. CHANDIGARH ELECTRICITY DEPARTMENT
UT-CHANDIGARH, DIV-11, OPPOSITE, TRANSPORT NAGAR,
INDUSTRIAL AREA PHASE - I, CHANDIGARH
REPRESENTED BY ITS CHIEF ENGINEER

13. UTTARAKHAND POWER CORPORATION LTD.
URJA BHAWAN, KANWALI ROAD, DEHRADUN.
REPRESENTED BY ITS MANAGING DIRECTOR

14. NORTH CENTRAL RAILWAY
ALLAHABAD.
REPRESENTED BY CE DISTRIBUTION ENGINEER

15. NEW DELHI MUNICIPAL COUNCIL
PALIKA KENDRA, SANSAD MARG,
NEW DELHI-110002
REPRESENTED BY CHAIRMAN

16. CENTRAL TRANSMISSION ULITY OF INDIA LTD (CTUIL)
FLOORS NO. 5-10, TOWER 1,



PLOT NO. 16, IRCON INTERNATIONAL TOWER,
INSTITUTIONAL AREA, SECTOR 32, GURUGRAM, HARYANA - 122001
REPRESENTED BY ITS COO

17. PRERAK GREENTECH PRIVATE LIMITED
L-11, GREEN PARK EXTENSION,
NEW DELHI -110016

18. ACME SOLAR HOLDINGS LIMITED
PLOT NO. 152, SECTOR-44, GURGAON-122002,
HARYANA

Filed by
POWERGRID Bikaner Transmission System Limited
Represented by

PLACE: Gurgaon
DATED: 27.01.2025

Project-in-Charge,
POWERGRID Bikaner Transmission System Limited



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**POWERGRID Bikaner Transmission System Limited
Versus**

.....PETITIONER

**Uttar Pradesh Power Corporation Limited (UPPCL)
And others**

.....RESPONDENT(S)

MEMO OF APPEARANCE

POWERGRID Bikaner Transmission System Limited

..... PETITIONER

1. Shri K.K. Choudhury, Project-in-charge, PBTSL

I, K.K.Choudhury, the Petitioner named do hereby nominate to act, plead and appear on my behalf in the aforesaid matter.

IN WITNESS WHEREOF I have set and subscribed my hands to this writing on this 27th date of January 2025.

**PETITIONER
POWERGRID Bikaner Transmission System Limited**

**Project-in-Charge,
POWERGRID Bikaner Transmission System Limited**



**PLACE: Gurgaon
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.....PETITIONER

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Import Export Payment Circle, 14th Floor,

Shakti Bhawan Extn. Building, 14 - Ashok Marg, Lucknow

And others

.....RESPONDENT(S)

A. Executive Summary of the Petition:

(i) Brief Background of the Petitioner

1. The Petitioner herein, POWERGRID Bikaner Transmission System Limited (hereinafter referred to as **“PBTSL/ Petitioner”**) is a Government Company within the meaning of the Companies Act, 2013. The Petitioner (known erstwhile as Bikaner-II Bhiwadi Transco Ltd.) is a 100% wholly owned subsidiary of Power Grid Corporation of India Limited. PBTSL was granted a transmission licence by this Hon’ble Central Electricity Regulatory Commission (hereinafter referred to as **“Hon’ble Commission”**) vide its order dated 15.7.2021 in Petition No. 99/TL/2021 to establish the “Transmission System Strengthening Scheme for Evacuation of Power from Solar Energy Zones in Rajasthan (8.1 GW) under



Phase II-Part F" under TBCB mode on Build, Own, Operate, and Maintain ("BOOM") basis.

Subsequently, various Transmission schemes were assigned to the petitioner by CTUIL/MOP progressively under Regulated Tariff Mechanism (RTM) and the Petitioner approached Hon'ble Commission through Petition 137/TL/2022 for grant of separate RTM transmission license. Hon'ble Commission vide order dated 21.11.2022 in Petition No. 137/TL/2022 granted a separate transmission license to the Petitioner to implement the transmission projects under RTM route which inter-alia included the scheme - ***"Implementation of 2 no. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)"***. Further, CTUIL/MOP again assigned additional RTM schemes to Petitioner and Petitioner approached Hon'ble Commission through petition 181/TL/2023 for amendment of earlier RTM license granted vide petition 137/TL/2022. Hon'ble Commission vide order dated 28.01.2024 in Petition No. 181/TL/2023 amended existing RTM transmission license of the Petitioner for inclusion of additional schemes under the scope of license (Total of 7 schemes awarded to PBTSL under RTM mode). PBTSL operates and functions within the regulatory control of Hon'ble Commission. Tariff for the transmission system in the present petition established by PBTSL under RTM is required to be determined by this Hon'ble Commission in accordance with the Tariff Regulations as notified by this Hon'ble Commission from time to time in exercise of its powers under Section 178 of the Electricity Act, 2003.

(ii) Brief background of the Respondent(s):

2. PBTSL has impleaded the distribution licensees and Government departments of the respective states which are engaged in distribution of electricity in Northern Region of India. The respondents are also 'Designated Inter State Transmission Customer's (hereinafter referred to as 'DICs') of Northern Region in terms of the Sharing Regulations, 2020. Petitioner has also impleaded CTUIL as Respondent no. 16. In Addition, PBTSL has also impleaded the associated generators i.e. Prerak Greentech Private Limited and ACME Solar Holdings Limited as respondent 17 and Respondent 18 respectively for which the instant transmission assets have been implemented.



(iii) Background of Transmission Assets:

3. PBTSL is filing the present petition for determination of transmission tariff for 2024-29 tariff block for the following assets under subject transmission scheme, i.e. **Implementation of 2 no. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.):**

Asset No	Asset Name	COD
Asset-1	220 kV main bay 213 of 220 kV Bikaner-II - PRERAK line at Bikaner-II (PBTSL)	22.10.2024
Asset-2	220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)	Proposed COD – 30.10.2024

(iv) Brief description of important events relevant to the Petition:

S.No	Event	Date
1.	Instant transmission scheme viz. Implementation of 2 no. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.) was assigned to Petitioner by CTUIL under RTM mode.	25.08.2022
2.	Petition No.137/TL/2022 filed by the Petitioner for grant of separate transmission license under RTM mode	11.04.2022
3.	CTUIL submitted revised timelines for implementation of the schemes covered in Petition No. 137/TL/2022	17.11.2022
4.	Final order issued by Hon'ble Commission granting separate transmission license to PBTSL for implementation of 3 schemes under RTM mode including present scheme	21.11.2022
5.	Investment Approval	13.04.2023



S.No	Event	Date
6.	SCOD	24.11.2023
7.	COD	Asset – 1 22.10.2024 Asset – 2 30.10.2024 (Proposed)

(v) Summary of Claims:

4. PBTSL is seeking determination of transmission tariff for 2024-29 tariff block for aforesaid transmission assets based on capital cost comprising of capital cost incurred/Admitted upto proposed Commercial Operation Date (“**Proposed COD**”) and projected additional capital expenditure in accordance with terms of Regulation 24 & 25 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 (“**Tariff Regulations, 2024**”).

5. The details of FR/RCE approved cost vis-à-vis claimed capital cost as on COD and additional capital expenditure during 2024-29 tariff block is as under:

(Rs. in lakhs)

Asset No.	Apportioned Approved Cost as per FR	Expenditure Up to DOCO	Estimated expenditure during 2024-29 tariff block			Estimated completion Cost as on 31.03.2029
			2024-25	2025-26	2026-27	
Asset-1	1292.37	815.19	248.32	70.19	34.92	1168.62
Asset-2	1292.37	810.96	248.32	70.19	34.92	1164.39

6. **Details of Time- Overrun:** The original SCOD and actual commissioning dates of the various assets claimed in the present petition are as follows:

Asset No.	SCOD	COD	Delay in days
Asset-1	24.11.2023	22.10.2024	332
Asset-2	24.11.2023	Proposed COD – 30.10.2024	340



The time overrun in commissioning of above assets is due to the time taken in grant of separate transmission license to PBTSL under RTM mode and clubbing of bid for instant assets with other projects to achieve optimum and competitive price.

7. Details of tariff claimed for 2024-29 tariff block:

(Rs. in Lakhs)

Name of the asset	2024-25	2025-26	2026-27	2027-28	2028-29
Asset-1	83.21	213.19	219.78	220.89	219.4
Asset-2	78.62	212.04	218.65	219.82	218.4

8. It is prayed to Hon'ble Commission to reimburse expenditure of petition filing fee, license fee, newspaper publication expenses and RLDC fee & charges etc.

B. Detailed Petition:

MOST RESPECTFULLY SHOWETH:

9. The Petitioner herein, POWERGRID Bikaner Transmission System Limited (hereinafter referred to as "**PBTSL/ Petitioner**") is a Government Company within the meaning of the Companies Act, 2013. The Petitioner (known erstwhile as Bikaner-II Bhiwadi Transco Ltd.) is a 100% wholly owned subsidiary of Power Grid Corporation of India Limited.
10. That the Hon'ble Commission have notified CERC (Terms and Conditions of Tariff) Regulations, 2024, vide notification dated 15.03.2024 applicable for a period of 5 years w.e.f. 01.04.2024.
11. That Petitioner is an Inter-State Transmission Licensee which has implemented "**Transmission System Strengthening Scheme for Evacuation of Power from Solar Energy Zones in Rajasthan (8.1 GW) under Phase II-Part F**" through Tariff Based Competitive Bidding (TBCB) process on the Build, Own, Operate and Maintain (BOOM) basis.
12. That subsequently, separate RTM Transmission scheme was awarded to Petitioner under Regulated Tariff Mechanism (RTM) mode vide CTUIL OM dated 16.11.2021. Accordingly, the Petitioner approached the Hon'ble Commission, vide petition



137/TL/2022, for grant of separate Transmission license for implementation of additional scope of works under RTM mode awarded by CTUIL. During the proceedings of the petition 137/TL/2022, 02 nos additional transmission scheme, inter-alia including instant transmission scheme, were awarded by CTUIL vide OM dated 26.4.2022 & dated 25.8.2022 and petition 137/TL/2022 was amended consequently to incorporate the above 02 nos. transmission schemes awarded by CTUIL.

The Hon'ble Commission vide its order dated 21.11.2022 in Petition No. 137/TL/2022 granted separate transmission license to the Petitioner for implementation of 3 nos. schemes under RTM mode.

A copy of the order dated 21.11.2022 in Petition No. 137/TL/2022 is enclosed as **Annexure 1**.

Subsequently, 4 nos. additional transmission schemes were awarded to the Petitioner by CTUIL under RTM mode, and therefore Petitioner filed Petition No. 181/TL/2023 before Hon'ble Commission for amendment of RTM transmission license to incorporate newly awarded RTM schemes. Hon'ble Commission, vide order dated 28.01.2024 in Petition No. 181/TL/2023, amended the existing transmission license of PBTSL granted vide its Order dated 21.11.2022 in Petition No. 137/TL/2022 to include all 7 nos. Transmission Schemes to be implemented by Petitioner under RTM mode.

The following are the names of the Transmission schemes/projects for which RTM transmission license has been granted by Hon'ble Commission to the Petitioner:-

- (i) Implementation of 220 bays for RE generators and 400/220kV ICTs at Bikaner-II PS.
- (ii) Implementation of 1 no. of 400 kV line bay at 400/220 kV Bikaner-II PS for interconnection of 1000 MW Solar Project of SJVN Ltd.
- (iii) **Implementation of 2 no. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.). (Instant Project)**
- (iv) Implementation of 1 no. of 220 kV line bay at 400/220 kV Bikaner-II PS for interconnection of the solar project (NHPC Ltd.).
- (v) Implementation of 2 nos. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of RE power park of ALF Solar Amarsar Pvt. Ltd.



- (vi) Transmission system for evacuation of power from the Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex) - Part-E.
- (vii) Augmentation of transformation capacity at 400/220 kV Bikaner-II PS by 400/220 kV, 1X500 MVA ICT (3rd).

A copy of the order dated 28.01.2024 in Petition No. 181/TL/2023 is enclosed as **Annexure 2**.

13. That the present petition covers approval of transmission tariff for following Asset:

Asset No	Asset Name	COD
Asset-1	220 kV main bay 213 of 220 kV Bikaner-II - PRERAK line at Bikaner-II (PBTSL)	22.10.2024
Asset-2	220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)	30.10.2024 (Proposed)

Approval of the Scheme

14. That instant transmission scheme viz. **Implementation of 2 no. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)** was assigned to the Petitioner by CTUIL vide its OM dated 25.08.2022 for implementation under RTM mode.

Copy of CTUIL OM dated 25.08.2022 is attached as **Annexure-3**.

15. The investment approval and expenditure sanction to the subject transmission project was accorded by Board of Directors of POWERGRID Bikaner Transmission System Limited in its 26th meeting held on 13.04.2023 at an estimated cost of Rs. 25.23 Crores for all assets of the instant project, a copy whereof is attached hereto as **Annexure - 4**.

SCOPE OF WORK:

16. The complete scope of work covered under **"Implementation of 2 no. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME**



Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)” and covered under instant petition are as follows:

Asset	Asset Name	Remarks
Asset-1	220 kV main bay 213 of 220 kV Bikaner-II - PRERAK line at Bikaner-II (PBTSL)	Complete project has been commissioned
Asset-2	220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)	

Date of Commercial Operation

Asset -1 (Prerak bay) - it is to mention that Prerak bay has been commissioned after successful completion of trial run operation on 21.10.2024 and accordingly, DOCO has been declared on 22.10.2024.

Approval of Proposed COD for Asset -2 (ACME bays)

It is to mention that the associated generator for Asset-2 i.e. *220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)* is Acme Solar Holdings Limited who is implementing 300 MW Solar generation and 220 kV S/C dedicated transmission line (DTL). On the date of completion of instant 220 kV bay by PBTSL i.e. 30.10.2024, the associated generation was not commissioned and PBTSL is praying this Hon'ble Commission to approve the DOCO as 30.10.2024 in terms of the Regulation 5 of the Tariff Regulations, 2024 and Regulations 27 of the Indian Grid Code Regulations, 2023. Relevant excerpts of Tariff Regulations, 2024 and IEGC 2023 are provided below;

Quote

5. Date of Commercial Operation: (1) The date of commercial operation of a generating station or unit thereof or a transmission system or element thereof and associated communication system shall be determined in accordance with the provisions of the Grid Code. In the event of mismatch of COD between associated transmission and/or generating stations, the liability for the transmission charges shall be in accordance with the provisions of the Sharing Regulations, 2020 as amended from time to time.

Unquote



Further, Regulations 27 of the Grid Code Regulations, 2023 provides for declaration of commercial operation (DOCO) and commercial operation date (COD) as follows;

Quote

27. DECLARATION OF COMMERCIAL OPERATION (DOCO) AND COMMERCIAL OPERATION DATE (COD)

(1) A generating station or unit thereof or a transmission system or an element thereof or ESS may declare commercial operation as follows and inform CEA, the concerned RLDC, the concerned RPC and its beneficiaries:

.....

(c) Transmission System (i) The commercial operation date in the case of an Inter-State Transmission System or an element thereof shall be the date declared by the transmission licensee on which the Transmission System or an element thereof is in regular service at 0000 hours after successful trial operation for transmitting electricity and communication signals from the sending end to the receiving end as per Regulation 23 and submission of a declaration as per clause (3) of Regulation 26 of these regulations :

.....

Provided also that in case a transmission system or an element thereof executed under regulated tariff mechanism is prevented from regular service on or after the scheduled COD for reasons not attributable to the transmission licensee or its supplier or its contractors but is on account of the delay in commissioning of the concerned generating station or in commissioning of the upstream or downstream transmission system of other transmission licensee, the transmission licensee shall approach the Commission through an appropriate petition along with a certificate from the CTU to the effect that the transmission system is complete as per the applicable CEA Standards, for approval of the commercial operation date of such transmission system or an element thereof:

Unquote



In compliance with the above regulatory requirement, PBTSL has approached CTUIL for issuance of completion competition and CTUIL has issued the competition

certificate on 24.01.2025 certifying that instant 220 kV bay was completed on 29.10.2024. No load trial run was completed on 29.10.2024 and accordingly approval of COD has been prayed w.e.f. 30.10.2024.

A copy of CEA Energization certificate, RLDC No load trial operation certificate, CTU completion certificate and CMD certificate for Asset – 2 and a copy of CEA Energization certificate, RLDC trial operation certificate, CMD certificate and DOCO declaration for Asset - 1 is enclosed as **Annexure - 5**.

17. It is submitted that as per the Regulation 9 of the CERC (Terms and Conditions of Tariff) Regulations, 2024, the following condition has to be fulfilled while filing the Tariff petition for 2024-29 tariff block: -

Quote

“Provided that where the transmission system comprises various elements, the transmission licensee shall file an application for determination of tariff for a group of elements on incurring of expenditure of not less than 100 Crore or 70% of the cost envisaged in the Investment Approval, whichever is lower, as on the anticipated date of commercial operation”

Unquote

The instant petition is being filed in compliance with Regulation 9 of CERC Tariff Regulations, 2024.

18. Implementation Schedule

The original SCOD and actual commissioning dates of the various assets claimed in the present petition are as follows:

Asset No.	SCOD	COD	Delay in days
Asset-1	24.11.2023	22.10.2024	332
Asset-2	24.11.2023	Proposed COD – 30.10.2024	340



Reasons of Time Over-run

As can be seen from the table above, there is a delay of 332 days and 340 days in commissioning of instant asset vis-à-vis SCOD of 24.11.2023.

Following are the reasons which led to delay in commissioning of the instant 220 kV bay;

i. Delay in grant of transmission license

The time overrun in commissioning of above assets is due to the time taken in grant of separate transmission license to PBTSL under RTM mode, which is beyond the control of PBTSL. As per the Transmission Licence Regulations, 2009 read with Section 15 of the Electricity Act, 2003, the timeline to grant transmission license is within 90 days from the date of filing of petition and accordingly, 90 days were factored in for the grant of transmission license in project implementation timeline. However, in the instant case, the transmission license was granted after a period of 224 days as the license petition was amended to incorporate various subsequent schemes assigned to the Petitioner. As already mentioned that first RTM Transmission scheme was awarded to Petitioner under Regulated Tariff Mechanism (RTM) mode vide CTUIL OM dated 16.11.2021. Accordingly, the Petitioner approached the Hon'ble Commission, vide petition 137/TL/2022, for grant of separate Transmission license for implementation of additional scope of works under RTM mode awarded by CTUIL. During the proceedings of the petition 137/TL/2022, 02 nos additional transmission scheme were awarded by CTUIL vide OM dated 26.4.2022 & dated 25.08.2022 and petition 137/TL/2022 was amended twice consequently to incorporate the above 02 nos. transmission schemes awarded by CTUIL. Here, it needs to mention that instant transmission scheme was awarded by CTUIL vide OM dated 25.08.2022. This amendment of the petition 137/TL/2022, to incorporate the additional schemes awarded by CTUIL at various stages of the hearing of petition 137/TL/2022, delayed the proceedings in the matter as multiple hearings were held and ultimately led to delay in issuance of order in the matter.

The transmission license was granted vide order dated 21.11.2022 in Petition No.137/TT/2022 i.e. after 224 days from the date of filing of petition viz. 11.04.2022 for grant of transmission license by Petitioner. A detailed chronology of the events is shown below:



Sl. No.	Date	Description of Event/Activity
1	11.04.2022	Petition No.137/TL/2022 filed by the Petitioner for grant of separate transmission license under RTM mode
2	26.04.2022	Additional scope of works awarded by CTUIL to the Petitioner vide its OM dated 26.04.2022 under RTM mode
3	05.07.2022	Hon'ble Commission listed the matter for hearing 1 st time and directed Petitioner to file additional affidavit along with amended Petition within two weeks. (Date of posting of ROP: 07.07.2022)
4	21.07.2022	Affidavit and amended petition submitted by Petitioner for including the additional scheme awarded by CTUIL on 26.04.2022
5	25.08.2022	CTUIL vide its OM dated 25.08.2022 awarded instant transmission scheme to the Petitioner under RTM mode
6	15.09.2022	Additional affidavit filed by the Petitioner before the Commission in Petition No.137/TL/2022 for inclusion of transmission scheme awarded by CTUIL vide its OM dated 25.08.2022
7	26.09.2022	CTUIL gave its recommendation for all 3 schemes covered in Petition No.137/TL/2022
8	29.09.2022	Hon'ble Commission listed the matter for hearing (2 nd hearing). After hearing, the Hon'ble Commission reserved order in the matter. (Date of posting of ROP: 06.10.2022)
9	10.10.2022	Hon'ble Commission issues its interim order in Petition No. 137/TL/2022
10	15.11.2022	Final hearing (Date of posting of ROP: 16.11.2022)
11	17.11.2022	CTUIL submitted revised timelines for implementation of the schemes covered in Petition No. 137/TL/2022
12	21.11.2022	Final order issued by Hon'ble Commission granting separate transmission license to PBTSL for implementation of 3 schemes under RTM mode after 224 days of filing of petition.



From the above, it can be seen that the commissioning date of the instant asset was pushed back from the scheduled timeline due to the delay in grant of transmission license to the Petitioner, which is beyond the control of PBTSL.

Further time overrun is mainly due to delay in award of contract. It is submitted that Petitioner, being a government enterprise, is bound to comply with several guidelines. Further, to achieve optimum and competitive price and to reduce the burden on beneficiaries, packaging of contracts for the Project procurement, i.e., grouping of equipment/goods/works/services into an optimum quantity is being strictly followed. Further, in the instant case, considering economy in procurement to obtain better competitive price, the subject scope of work being small in bid size, was clubbed with different projects coming up during that time. In the process of achieving a better competitive price. It is humbly submitted that the said delay was beyond the control of Petitioner.

Estimated Completion Cost:

19. The present Petition for determination of transmission tariff for 2024-29 tariff block for aforesaid transmission assets is being filed based on the capital cost comprising of capital cost incurred upto proposed DOCO/DOCO and additional capital expenditure during 2024-29 tariff block in accordance with terms of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 (“**Tariff Regulations, 2024**”). That the capital cost upto proposed DOCO/DOCO and Addcap projected to be incurred for 2024-29 is duly certified by the Auditor. Copy of Auditor Certificate for the assets in the instant petition are attached at **Annexure - 6**.

(Rs in lakhs)

Asset No.	Apportioned Approved Cost as per FR	Expenditure Up to proposed DOCO	Estimated expenditure during 2024-29 tariff block			Estimated completion Cost as on 31.03.2029
			2024-25	2025-26	2026-27	
Asset-1	1292.37	815.19	248.32	70.19	34.92	1168.62
Asset-2	1292.37	810.96	248.32	70.19	34.92	1164.39



The details of estimated completion cost vis-à-vis apportioned/FR cost for the Assets covered under instant petition is as follow:

(Rs. In lakhs)

Asset No.	Approved cost (FR) (a)	Estimated Completion Cost (b)	Variation FR (-decrease/+increase) (c= b-a)
Asset-1	1292.37	1168.61	-123.76
Asset-2	1292.37	1164.32	-128.05

The item-wise cost variation between FR approved cost and estimated completion cost have been given in Form-5.

Further, salient reasons of cost variation w.r.t. FR is given here as under:

Asset-1

S. No	Description	Cost as per FR	Estimated Capital Cost	Variation (-decrease, +increase)
		a	b	c = b - a
1	Civil works	10	0	-10
2	Substation Equipment	895.18	902.5	7.32
3	Spares	36.28	43.63	7.35
4	Taxes and Duties	163.41	157.49	-5.92
5	Over heads	152	44.27	-107.73
6	Interest During Construction (IDC)	35.5	20.72	-14.78
Total		1292.37	1168.61	-123.76

Asset-2

S. No	Description	Cost as per FR	Estimated Capital Cost	Variation (-decrease, +increase)
		a	b	c = b - a
1	Civil works	10	0	-10
2	Substation Equipment	895.18	902.5	7.32
3	Spares	36.28	43.63	7.35
4	Taxes and Duties	163.41	157.5	-5.92
5	Over heads	152	44.27	-107.73
6	Interest During Construction (IDC)	35.5	16.42	-19.08
Total		1292.37	1164.32	-128.05



Variation in IDC & Variation in IEDC: Decrease in IDC is attributable to variation in the rate of interest considered in FR v/s Actuals, decrease in overall Capital cost w.r.t. FR, and deployment of funds based on actuals.

The actual IDC accrued up to DOCO has been considered in the Auditor Certificate. Regarding decrease in IEDC, it is to submit that IEDC and Contingency have been considered @ 5% In the Investment approval, whereas based on the actual expenditure under the subject head, IEDC has been considered in the Auditor Certificate.

Cost variation in the Substation equipment including initial spares and civil works

- It is submitted that through open competitive bidding process, lowest possible market prices for required product/services/as per detailed designing is obtained and contracts are awarded on the basis of lowest evaluated eligible bidder on overall basis. The best competitive bid prices against tenders may vary as compared to the cost estimate depending upon prevailing market conditions, design and site requirements, whereas the estimates are prepared by the petitioner as per well-defined procedures for cost estimate. The FR cost estimate is broad indicative cost worked out generally on the basis of average unit rates of recently awarded contracts as a general practice.

Further, regarding variation in cost of individual item in Substation packages, it is submitted that the packages under subject scope of works comprise of a large no. of items and the same are awarded through open competitive bidding. In the said bidding process, bids are received from multiple parties quoting different rates for various BOQ items under the said package. Further, the lowest bidder can be arrived at/ evaluated on overall basis only. Hence, item-wise unit prices in contracts and its variation over unit rate considered in FR estimates are beyond the control of the petitioner.

Considering the above, it is humbly prayed that full tariff may be allowed from DOCO/ Proposed DOCO based on estimated completion cost of the subject assets.

DETAILS OF THE INITIAL SPARES:

20. Regulation 23 (d) of the Tariff Regulations, 2024 regarding initial spares provides as under:

"23. Initial Spares: Initial spares shall be capitalised as a percentage of the Plant and Machinery cost, subject to following ceiling norms:

.....

(d) Transmission system

(i) Transmission line - 1.00%

(ii) Transmission Sub-station

- Green Field- 4.00%

- Brown Field- 6.00%

(iii) Series Compensation devices and HVDC Station- 4.00%



(iv) Gas Insulated Sub-station (GIS)

- Green Field-5.00%

- Brown Field-7.00%

(v) Communication system - 3.50%

(vi) Static Synchronous Compensator - 6.00%

.....

Provided that:

- (i) Plant and Machinery cost shall be considered as the original project cost excluding IDC, IEDC, Land Cost and Cost of Civil Works. The generating company and the transmission licensee, for the purpose of estimating Plant and Machinery Costs, shall submit the break-up of head-wise IDC and IEDC in its tariff application

.....

21. Considering the aforesaid Regulation, the initial spares claimed in the present petition is given below :-

(Rs. In Lakhs)

Assets	Particulars	Plan & Machinery cost (A)	Initial Spares Claimed (B)	Ceiling Limit (%) (C)	Initial Spares Worked out $D = [(A-B) * C / (100-C)]$	Excess [B-D]
Asset-1	SS (Brown Field)	1103.64	43.63	6	67.66	-
Asset-2		1103.7	43.63	6	67.66	-

It is evident from the above that the spares claimed are within the allowable limits and there are no excess spares. It may be mentioned that in the Auditor Certificate, initial spares discharged upto DOCO are included in DOCO cost, whereas initial spares discharged after DOCO are included in the ADD-CAP expenditure of the respective year.

DETAILS OF ADDITIONAL CAPITALIZATION

22. Additional Capitalisation

The details of underlying assumptions for additional capitalisation for the instant asset is summarized below:

The admissibility of additional capital expenditure (Add Cap) incurred after DOCO is to be dealt in accordance with the provisions of Regulation 24 of CERC (Terms and Conditions of Tariff) Regulations, 2024. The extract of Regulation 24 of the Tariff Regulations 2024 is reproduced as under:



24. Additional Capitalisation within the original scope and up to the cut-off date

(1) The additional capital expenditure in respect of a new project or an existing project incurred or projected to be incurred, on the following counts within the original scope of work, after the date of commercial operation and up to the cut-off date may be admitted by the Commission, subject to prudence check: (a) Payment made towards admitted liabilities for works executed up to the cut-off date;

(b) Works deferred for execution;

(c) Procurement of initial capital spares within the original scope of work, in accordance with the provisions of Regulation 23 of these regulations;

(d) Payment against the award of arbitration or for compliance with the directions or order of any statutory authority or order or decree of any court of law;

(e) Change in law or compliance with any existing law which is not provided for in the original scope of work;

(f) For uninterrupted and timely development of Hydro projects, expenditure incurred towards developing local infrastructure in the vicinity of the power plant not exceeding Rs. 10 lakh/MW shall be considered as part of capital cost and in case the same work is covered under budgetary support provided by Government of India, the funding of such works shall be adjusted on receipt of such funds; Provided that such expenditure shall be allowed only if the expenditure is incurred through Indian Governmental Instrumentality; and

(g) Force Majeure events.

Provided that in case of any replacement of the assets, the additional capitalization shall be worked out after adjusting the gross fixed assets and cumulative depreciation of the assets replaced on account of de-capitalization.

23. Additional capitalization claims under Regulation:

Asset	DOCO date	Cut-off date
Asset-1	22.10.2024	31.03.2028
Asset-2	30.10.2024 (Proposed)	31.03.2028



Add cap for 2024-29 block:

Asset	Add cap detail (Rs. Lakhs)				
	2024-25	2025-26	2026-27	2027-28	2028-29
Asset-1	248.32	70.19	34.92	-	-
	Applicable regulation				
	24(1)(a) & 24(1)(b)	24(1)(a) & 24(1)(b)	24(1)(a) & 24(1)(b)	-	-
Asset-2	248.32	70.19	34.92	-	-
	Applicable regulation				
	24(1)(a) & 24(1)(b)	24(1)(a) & 24(1)(b)	24(1)(a) & 24(1)(b)	-	-

24. The additional Capitalisation incurred/projected to be incurred in the contextual assets is mainly on account of Balance/Retention Payments or work deferred for execution upto cut off date and hence, the same may be allowed by the Hon'ble Commission under Regulation 24(1)(a) and 24(1)(b) of Tariff Regulations, 2024.

TRANSMISSION TARIFF FOR 2024-29 BLOCK:

25. That as per Regulation 8(1) (i) & (ii), 14(5) and 15 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024, the tariff for transmission of electricity on Inter-State transmission system (ISTS) shall comprise transmission charges for recovery of annual fixed cost consisting of (a) Return on Equity, (b) Interest on Loan Capital, (c) Depreciation, (d) Interest on Working Capital and (e) Operation and maintenance expenses.
26. The tariff for block 2024-29 has been worked out as per Regulation 10 of the CERC (Terms and Conditions of Tariff) Regulations, 2024. In the present petition the transmission tariff has been calculated considering the actual Expenditure upto DOCO and Actual/estimated expenditure from DOCO to 31.03.2029.
27. Further, for the instant assets, details of capital cost of assets considering the accrual IDC under add cap during the year of discharge is tabulated below:



Asset-1:

(Rs. in lakhs)

Sl. No.	Expenditure	Sub-Station	Communication System excl. OPGW	I.T. Equipment	Total
1	As per Auditor Certificate (Upto DOCO) as on 22.10.2024	786.11	10.70	18.38	815.19
2	Less: Accrual IDC not discharged upto DOCO	-2.35	-0.03	-0.06	-2.44
3	Notional IDC	0.13	0.00	0.00	0.13
4	Expenditure upto DOCO Excluding Accrual IDC and including notional IDC	783.88	10.67	18.33	812.88
5	Add Cap during FY 2024-25 as per auditor certificate	240.64	4.34	3.34	248.32
6	Add: Accrual IDC Discharged in 2024-25	2.35	0.03	0.06	2.44
7	Expenditure 2024-25 (Including Accrual IDC discharge)	242.99	4.37	3.40	250.76
8	Estimated Expenditure 2025-26	68.00	1.24	0.95	70.19
9	Estimated Expenditure 2026-27	34.00	0.62	0.30	34.92
10	Estimated Completion Cost	1128.88	16.90	22.97	1168.75

Asset-2

(Rs. in lakhs)

Sl. No.	Expenditure	Sub-Station	Communication System excl. OPGW	I.T. Equipment	Total
1	As per Auditor Certificate (Upto DOCO) as on 22.10.2024	782.03	10.65	18.28	810.96
2	Less: Accrual IDC not discharged upto DOCO	-2.28	-0.03	-0.05	-2.36
3	Notional IDC	3.64	0.05	0.08	3.77
4	Expenditure upto DOCO Excluding Accrual IDC and including notional IDC	783.39	10.67	18.31	812.37
5	Add Cap during FY 2024-25 as per auditor certificate	240.64	4.34	3.34	248.32



Sl. No.	Expenditure	Sub-Station	Communication System excl. OPGW	I.T. Equipment	Total
6	Add: Accrual IDC Discharged in 2024-25	2.28	0.03	0.05	2.36
7	Expenditure 2024-25 (Including Accrual IDC discharge)	242.92	4.37	3.39	250.68
8	Estimated Expenditure 2025-26	68.00	1.24	0.95	70.19
9	Estimated Expenditure 2026-27	34.00	0.62	0.30	34.92
10	Estimated Completion Cost	1128.31	16.90	22.95	1168.16

28. It is submitted that for the Asset-1, out of the total IDC of Rs 20.72 Lakhs, Rs 18.28 Lakhs has been discharged upto DOCO. The balance IDC of Rs 2.44 Lakhs is likely to be discharged during FY 2024-25. Similarly, for Asset-2, out of the total IDC of Rs 16.42 Lakhs, Rs 14.06 Lakhs has been discharged upto DOCO. The balance IDC of Rs 2.36 Lakhs is likely to be discharged during FY 2024-25. Further, the entire amount of IEDC for the instant assets has been discharged as on DOCO. It is further submitted that expenditure other than the above accrued IDC has been considered on cash basis in the Auditor certificate.
29. Furthermore, Petitioner has claimed notional IDC of Rs. 0.13 Lakhs and Rs 3.77 Lakhs for the Asset-1 & Asset-2 respectively. The same has been claimed in accordance with the provisions of Regulation 19(2)(b) and 21(1) of CERC Tariff Regulations, 2024.
30. The Hon'ble Commission is requested to kindly allow the IDC based on cash out flow. It is further submitted that accrued IDC to be discharged during respective years for the assets has not been included in the Add Cap expenditure for the respective year as per the Auditor certificate. Further, the entire IEDC amount mentioned in the auditor certificate is on cash basis and is paid up to DOCO. Furthermore, statement of cash IDC, calculation of notional IDC and Liabilities flow Statement is enclosed at **Annexure - 7**.
31. The transmission tariff has been calculated based on audited cost and considering Accrued IDC to be discharged thereafter. The tariff Formats for block 2024-29 have been furnished out as per Annexure-I, Part-III of the Tariff Regulations for period 2024-



29 and the calculations for working out the tariff along with supporting documents are attached hereto as **Annexure - 8**.

32. The annual transmission tariff for the tariff period 2024-29 is summarized as below:

(Rs. In Lakhs)

Project	2024-25	2025-26	2026-27	2027-28	2028-29
Asset-1	83.21	213.19	219.78	220.89	219.4
Asset-2	78.62	212.04	218.65	219.82	218.4

33. That, it is submitted that the petitioner being liable to pay income tax at MAT rate prescribed vide The Taxation Laws (Amendment) Ordinance, 2019 published in the Gazette dt. 20th September 2019. The ROE has been calculated @ 18.782% after grossing up the ROE with MAT rate of 17.472% (Base Rate 15% + Surcharge 12% + Cess 4%) based on the formula given at regulation 31(2) of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for 2024-29 period. That as per clause 31 of the above regulation, the grossed-up rate of ROE at the end of every financial year shall be trued up based on actual tax paid together with any additional tax demand including interest thereon duly adjusted for any refund of tax including interest received from the IT authorities pertaining to the tariff period 2024-29 on actual gross income of any financial year. However, penalty, if any, arising on account of delay in deposit or short deposit of tax amount shall not be claimed by the generating company or the transmission licensee, as the case may be. Any under-recovery or over-recovery of grossed up rate on ROE after truing up shall be recovered or refunded to beneficiaries or the long-term customers, as the case may be on year-to-year basis. It is further submitted that adjustment due to any additional tax demand including interest duly adjusted for any refund of tax including interest received from IT authorities shall be recoverable /adjustable during the tariff period 2024-29 on year-to-year basis on receipt of Income Tax assessment order.

34. Under CGST Act, 2017 implemented w.e.f. 01.07.2017, the Govt. of India has exempted the charges of transmission of electricity vide notification no. 12/2017 - Central Tax (Rate) dated 28.06.2017 at serial no. 25 under the heading 9969 "Transmission or distribution of electricity by an electric transmission or distribution utility" by giving applicable GST rate as NIL. Hence, the Transmission Charges as indicated at instant petition is exclusive of GST. Further, if GST is levied at any rate and at any point of time in future on Charges of Transmission of Electricity, the same



shall be borne and additionally paid by the respondent(s) to the petitioner and the same shall be charged & billed separately by the petitioner. Further additional taxes, if any, are to be paid by the petitioner on account of demand from Govt. / Statutory authorities, the same may be allowed to be recovered from the beneficiaries.

35. Approval was accorded by Board of Directors of PBTSL to borrow funds by way of an inter-corporate loan from POWERGRID. In the tariff calculations for 2024-29 period, Interest on Loans has been calculated on the basis of rate prevailing as on DOCO for inter-corporate loan. The change in Interest rate due to the floating rate of interest applicable, if any, for the project needs to be claimed / adjusted over the tariff block of 05 years directly from / with the beneficiaries.
36. The transmission charges in instant petition is inclusive of O&M expenses derived for the subject asset based on the norms for O&M expenditure for Transmission System as specified under regulation 36 (3) (a & d) of the tariff regulations for block 2024-29 but excludes security expenses, Insurance and capital spares as provided in the Regulation.
37. That as per Regulation 36(3)(d) of CERC Tariff Regulations, 2024, the Security Expenses, Insurance and Capital Spares more than 10 Lakh for transmission system shall be allowed separately after prudence check.

Security Expenses:

In this regard, it is submitted that a separate petition shall be filed for recovery of security expenses from 01.04.2024 to 31.03.2029 and consequential Interest on Working Capital (IOWC) on the same under the Regulation 36 (3) (d) of Central Electricity Regulatory Commission (Terms and Condition of Tariff) Regulations, 2024.

Insurance:

In this regard, it is submitted that a separate petition shall be filed before Hon'ble Commission for claiming the overall Insurance Expenses and consequential Interest on Working Capital (IOWC) on the same considering actual Insurance Expense incurred by the Petitioner for the F/Y 2023-24 after escalating the same at 5.25% per annum for arriving at the Estimated Insurance Expense for the year 2024-25, 2025-26, 2026-27, 2027-28 and 2028-29.



Capital Spares:

With regard to Capital Spares, as per Tariff Regulations, 2024, Capital spares consumed and consequential Interest on Working Capital (IOWC) on the same shall be claimed by the Petitioner as per actual through a separate petition.

Accordingly, these expenses are not claimed in the subject petition through the relevant Tariff Form and shall be claimed separately.

38. The application filing fee, expenses incurred on publication of Notices in Newspapers and License fee may be allowed to be recovered separately from the respondents in terms of Regulation 94(1) and 94(4) of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024. The fees and charges to be paid by the petitioner as ISTS licensee (deemed ISTS licensee) under CERC (Fees and Charges of RLDC and other matters) Regulations as amended from time to time shall also be recoverable from the DICs as provided under clause 94 (3) of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024.
39. The Transmission Charges and other related Charges in the instant petition, is exclusive of incentive, late payment surcharge, FERV, any statutory taxes, levies, duties, cess, filing fees, license fee, RLDC fees and charges or any other kind of imposition (s) and/ or other surcharges etc. whatsoever imposed / charged by any Government (Central/State) and / or any other local bodies/authorities/regulatory authorities in relation to transmission of electricity, environmental protection, and/or in respect of any of its installation associated with the Transmission System and the same shall be borne and additionally paid by the respondent(s) to the petitioner and the same shall be charged, billed separately by the petitioner on the respondents.

Sharing of Transmission Charges

40. Tariff for Transmission of Electricity (Annual Fixed Cost) for 2024-29 shall be recovered on monthly basis in accordance with Regulation 78 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 and shall be shared by the beneficiaries and long-term transmission customers in Central Electricity Regulatory Commission (Sharing of Inter State Transmission Charges and Losses) Regulations, 2020 (Sharing Regulations, 2020) as amended from time to time.



41. In the circumstances mentioned above, it will be just and proper that the transmission tariff for the asset covered under this petition be allowed to be charged from the beneficiaries on the basis set out above. The Petitioner submits that the **Annexure -1 to 8** may please be treated as integral part of this petition.

PRAYER

It is respectfully prayed that the Hon'ble Commission may be pleased to

- 1) Approve the proposed DOCO for instant asset-2 i.e. "220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)" as 30.10.2024 as per para 16 of the instant petition.
- 2) Condone the delay in completion of subject assets on merit of the same being beyond the control of Petitioner as per the instant petition.
- 3) Admit the capital cost claimed in the petition and approve the incurred/ projected additional capitalization during 2024-29.
- 4) Approve the notional IDC claimed in accordance with the provisions of Regulation 19(2)(b) and Regulation 21(1) of CERC Tariff Regulations, 2024.
- 5) Approve the transmission tariff for 2024-29 block for the assets covered under this petition.
- 6) Allow interim tariff in accordance with Regulation 10(3) of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for purpose of inclusion in the PoC charges.
- 7) Allow the petitioner to recover the shortfall or refund the excess Annual Fixed Charges, on account of Return on Equity due to change in applicable Minimum Alternate/Corporate Income Tax rate as per the Income Tax Act, 1961 (as amended from time to time) of the respective financial year directly without making any application before the Commission as provided in Tariff regulations 2024 for respective block.
- 8) Approve the reimbursement of expenditure by the beneficiaries towards petition filing fee, and expenditure on publishing of notices in newspapers in terms of Regulation 94 (1) Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024, and other expenditure (if any) in relation to the filing of petition.
- 9) Allow the petitioner to bill and recover Licensee fee and RLDC fees and charges,



separately from the respondents in terms of Regulation 94 (3) and (4) Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024.

- 10) Allow the petitioner to bill and adjust impact on Interest on Loan due to change in Interest rate on account of floating rate of interest applicable during 2024-29 period, if any, from the respondents.
- 11) Allow the Initial spares to be claimed as project as a whole.
- 12) Allow the petitioner to file a separate petition before Hon'ble Commission for claiming the overall security expenses and consequential IOWC on that security expenses as mentioned at Para 36 above.
- 13) Allow the petitioner to claim the overall insurance expenses and consequential IOWC on that insurance expenses separately as mentioned at Para 36 above.
- 14) Allow the petitioner to file a separate petition before Hon'ble Commission for claiming the overall capital spares at the end of tariff block as per actual as mentioned at Para 36 above.
- 15) Allow the Petitioner to bill and recover GST on Transmission Charges separately from the respondents, if GST on transmission is levied at any rate in future. Further, any taxes including GST and duties including Cess etc. imposed by any statutory/Govt./municipal authorities shall be allowed to be recovered from the beneficiaries.
- 16) Pass such other relief as Hon'ble Commission deems fit and appropriate under the circumstances of the case and in the interest of justice.

Filed by
POWERGRID Bikaner Transmission System Limited
Represented by

PLACE: Gurgaon
DATED: 27.01.2025

Project-in-Charge,
POWERGRID Bikaner Transmission System Limited



BEFORE
THE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

PETITION NO.:

IN THE MATTER OF: Petition for determination of transmission tariff for 2024-29 tariff block for assets under *"Implementation of 2 no. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)"* in Northern Region under Section 62 read with Section 79(1)(d) of the Electricity Act, 2003, Regulation 15(1)(a) and Regulation 23 of Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 read with Central Electricity Regulatory Commission (Terms and Condition of Tariff) Regulations, 2024.

POWERGRID Bikaner Transmission System Limited

--- PETITIONER

Versus

Uttar Pradesh Power Corporation Limited (UPPCL)
and others

--- RESPONDENTS

AFFIDAVIT VERIFYING THE PETITION

I, K. K. Choudhury, S/o Shri R K Choudhary, working as Project-in-charge, POWERGRID Bikaner Transmission System Limited, having its registered Office at B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi-110016, presently at Gurgaon do hereby solemnly affirm and state as follows:-

1. I am the Project-in-charge, POWERGRID Bikaner Transmission System Limited, the representative of the Petitioner in the above matter, and am duly authorized to make this affidavit.
2. I submit that the accompanying Petition under Section 62 of the Electricity Act, 2003, has been filed by my authorised representative/nominated counsel under my instruction and the contents of the same are true and correct to the best of my knowledge and belief.
3. I submit that the contents of Paras as mentioned in the Petition are true and correct based on my personal knowledge, belief and records maintained in the office and the contents of Paras of the Petition are believed to be true on the basis of the legal advice received.
4. The documents attached with the petition are legible copies and duly attested by me.

VERIFICATION

I, the deponent above named, do hereby verify the contents of the above affidavit are true to my knowledge and belief and no part of it is false and nothing material has been concealed there from.

Solemnly affirmed at Gurgaon on this 27th Day of January 2025.

ATTESTED
MAHENDER S. PUNIA
ADVOCATE & NOTARY
Distt. Gurugram (Haryana) India





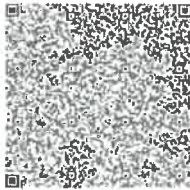
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INDIA NON JUDICIAL

Government of National Capital Territory of Delhi

e-Stamp

Certificate No.	: IN-DL72227539188864W
Certificate Issued Date	: 10-Apr-2024 01:36 PM
Account Reference	: IMPACC (IV)/ dl732103/ DELHI/ DL-DLH
Unique Doc. Reference	: SUBIN-DL73210303242234956446W
Purchased by	: POWERGRID BIKANER TRANSMISSION SYSTEM LTD
Description of Document	: Article 48(c) Power of attorney - GPA
Property Description	: Not Applicable
Consideration Price (Rs.)	: 0 (Zero)
First Party	: POWERGRID BIKANER TRANSMISSION SYSTEM LTD
Second Party	: NA
Stamp Duty Paid By	: POWERGRID BIKANER TRANSMISSION SYSTEM LTD
Stamp Duty Amount(Rs.)	: 100 (One Hundred only)



General Power of Attorney

Know all men by these presents, we **POWERGRID Bikaner Transmission System Limited** (hereinafter referred to as PBTSL which expression shall unless repugnant to the context or meaning thereof, include its successors, administrators, and assigns) formerly known as **Bikaner-II Bhiwadi Transco Limited** having its Registered Office at B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi – 110 016 do hereby constitute, appoint and authorize Shri Kanchan Kumar Choudhary, Project In-charge of PBTSL residing at PWO C-5/603, Sector 43, Gurugram, Haryana – 122009 as our true and lawful attorney, to do in our name and our behalf, all of the acts or things hereinafter mentioned, that is to say:-

1. To constitute, and defend legal cases, sign and verify plaints, written statements, petitions and objections, memorandum of appeal, claims, affidavits, applications

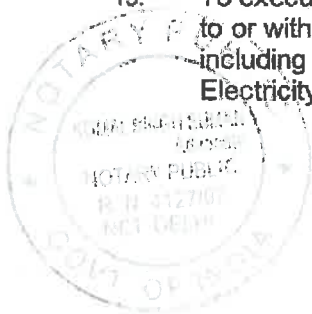
Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.



applications and pleadings of all kinds and to file them in Central Electricity Regulatory Commission (CERC), State Electricity Regulatory Commissions (SERCs), Appellate Tribunal for Electricity (ATE), Civil, Criminal or Revenue courts, Arbitration, Labour Court, Industrial Tribunal, High Court and Supreme Court, whether having original or appellate jurisdiction and before Government or Local Authorities or Registration Authorities, Tax Authorities, Tribunals, etc.

2. To appear, before various Courts / Tribunals / CERC / SERCs / Appellate Tribunal for Electricity.
3. To appoint any Advocate, Vakil, Pleader, Solicitor or any other legal practitioner as Attorney to appear and conduct case proceedings on behalf of the company and to sign Vakalatnama.
4. To compromise, compound or withdraw cases from any Court / Tribunal / CERC / SERCs / Appellate Tribunal for Electricity.
5. To file petitions/applications or affidavits before the Supreme Court/ High Court/ CERC/ SERCs/ Appellate Tribunal for Electricity and to obtain the copies of documents, papers, records, etc.
6. To file and receive back documents, to deposit and withdraw money from Courts, Tribunal, Registrar's Office and other Government or Local Authorities and to issue valid receipts thereof.
7. To apply for and obtain refund of stamp duty or court fee, etc.
8. To issue notices and accept service of any summons, notices or orders issued by any Court / Tribunal / CERC / SERCs / Appellate Tribunal for Electricity on behalf of the Company.
9. To execute deeds, agreements, bonds and other documents and returns in connection with the affairs of the company and file them or cause to be filed for Registration, whenever necessary.
10. To issue Project Authority Certificate(s) in respect of contracts for Load Despatch & Communication Systems, Transmission Systems etc. and to lodge claims with the Railways, Transporters, Shipping Agents and Clearing Agents and to settle/compromise such claims.
11. To lodge claims with the Insurance companies, to settle/compromise such claims and on satisfactory settlement thereof, to issue letters of subrogation/power of attorney in favour of Insurance companies.
12. To execute, sign and file applications, undertakings, agreements etc. to or with the Central / State Government(s) / Body(ies) to obtain 'right of way' or any of other Right(s) / Privilege(s) etc.
13. To execute, sign and file applications, undertakings, agreements, bills, documents etc. to or with the Central / State Government(s) / Body(ies) and other authorities/ entities including Central Transmission Utility (CTU)/ GRID Controller of India Limited/ Central Electricity Authority (CEA)/ CERC with respect to Commissioning of the Project,



See



realization of Transmission charges, to obtain 'right of way' or any of other Right(s) / Privilege(s) etc.

14. To execute Consultancy, Funding and other Agreements
15. To act as administrator for e-filing process with CERC and other Statutory authorities.
16. Generally, to do all lawful acts, necessary for the above-mentioned purposes.
17. To further delegate any of the aforesaid Powers except for SI Nos. 9, 10 & 13 to any of the officers/employees (not below the level of Manager) of Power Grid Corporation of India Limited as deemed fit subject to rules, policy etc. of PSITSL or law in force & overall supervision of Delegatee.

The Company hereby agrees to ratify and confirm all and whatsoever the said Attorney shall lawfully do execute or perform or cause to be done, executed or performed in exercise of the power or authority conferred under and by virtue of this Power of Attorney.

.....
Signed by the within named Shri
POWERGRID Bikaner Transmission System Limited
through the hand of **Shri Subir Sen, Chairman (Part-time)**
Duly authorized by the Board to issue such Power of Attorney

Dated this 01st day of May, 2024

Accepted

.....
(Signature of Attorney)

Name: Shri Kanchan Kumar Choudhary
Designation: Project In-charge, POWERGRID Bikaner Transmission System Limited
Address: PWO C-5/603, Sector 43, Gurugram, Haryana – 122009

Attested

.....
(Signature of the Executant)

Name: **Shri Subir Sen**
Designation: **Chairman (Part-time)**
Address: B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi - 110 016

.....
Signature and Stamp of Notary of the place of execution

WITNESS



ATTESTED
.....
NOTARY PUBLIC, DELHI



[Signature]
[Mrs. Aditi Jain
Company Secretary]

[Signature]
[Shri Rajiv Shivastava]
[30 Director]

[Signature]
[Smt. Sangeeta Saxena
[Director]]

Annex - 1

**CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI**

Petition No. 137/TL/2022

Coram:

Shri I.S. Jha, Member

Shri Arun Goyal, Member

Shri P. K. Singh, Member

Date of order: 21st November, 2022

In the matter of:

Application under Section 14 of the Electricity Act, 2003 read with Central Electricity Regulatory Commission (Procedure, Terms and Conditions for Grant of Transmission License and other related matters) Regulations, 2009 for grant of separate Transmission License to POWERGRID Bikaner Transmission System Ltd. (Formerly known as Bikaner-II Bhiwadi Transmission System) for "Implementation of 220 kV bays for RE generators and 400/220kV ICTs at Bikaner-II PS" through "Regulated Tariff Mechanism" (RTM) mode.

And

In the matter of

POWERGRID Bikaner Transmission System Limited,
B-9, Qutab Institutional Area,
Katwaria Sarai,
New Delhi 110 016

...Petitioner

1. U.P. Power Corporation Limited (UPPCL)
Import Export Payment Circle,
14th Floor, Shakti Bhawan Extn. Building,
14 - Ashok Marg, Lucknow.

2. Haryana Power Purchase Centre,
Shakti Bhawan,
Energy Exchange Room No. 446,
Top Floor, Sector - 6, Panchkula - 134 109

3. Punjab State Power Corporation Limited,
Shed No. T-1 A, Thermal Design,
Near 22 No. Phatak, Patiala.

4. Jaipur Vidyut Vitran Nigam Limited,
Vidyut Bhawan, Janpath,
Jaipur - 302 005.



5. Ajmer Vidyut Vitran Nigam Limited,
Vidyut Bhawan, Panchsheel Nagar,
Makarwali Road, Ajmer- 305004.

6. Jodhpur Vidyut Vitran Nigam Limited,
New Power House, Industrial Area,
Jodhpur – 342003.

7. Principal Secretary (Power),
Power Development Deptt., Govt. of J&K
Govt. of Jammu & Kashmir
SLDC Building, 1st Floor,
Gladani Power House, Narwal, Jammu.

8. Chief Electrical Distribution Engineer,
North Central Railway Subedar Ganj, Allahabad.

9. BSES Yamuna Power Limited
2nd Floor, B Block, Shakti Kiran Building,
Karkardooma, New Delhi – 110092.

10. BSES Rajdhani Power Limited
BSES Bhawan, 2nd Floor,
B Block, Nehru Place, New Delhi - 110 019.

11. CEO & ED, Tata Power Delhi Distribution Limited
NDPL House, Hudson Lines,
Kingsway Camp, Delhi - 110 009

12. Director (Commercial),
New Delhi Municipal Corporation NDMC
Palika Kendra, Sansad Marg,
New Delhi – 110 001.

13. Superintending Engineer
Electricity Wing of Engineering Dept.,
Union Territory of Chandigarh,
Electricity OP Circle, UT – Chandigarh.

14. Executive Director (Commercial),
Uttarakhand Power Corporation Limited, UPCL,
Urja Bhawan, Kanwali Road, Balliwala Chowk,
Dehradun-248001

15. Tata Power Green Energy Limited,
34, Sant Tukaram Road, Carnac Bunder,



Masjid Bunder (E), Mumbai -400009

16. Chief Engineer, Power System Project Monitoring Division,
Central Electricity Authority,
Sewa Bhawan, R. K. Puram,
Sector-1, New Delhi - 110 066

17. Chief Operating Officer,
Central Transmission Utility,
Saudamini, Plot no.2, Sector -29,
Gurgaon 122001

..Respondents

The following were present:

Shri Shubham Arya, Advocate, PBTSL
Ms. Reeha Singh, Advocate, PBTSL
Shri Kashish Bhambhani, CTUIL
Shri Yatin Sharma, CTUIL
Ms. Ankita Singh, CTUIL
Shri Swapnil Verma, CTUIL
Shri Siddharth Sharma, CTUIL
Ms. Muskan Aggarwal, CTUIL
Shri Ranjeet Singh Rajput, CTUIL

ORDER

The Petitioner, POWERGRID Bikaner Transmission System Limited (PBTSL) has filed the present Petition under Section 14 and Section 15 of the Electricity Act, 2003 (hereinafter referred to as 'the Act') read with provisions of the Central Electricity Regulatory Commission (Terms and Conditions for grant of Transmission Licence and other related matters) Regulations, 2009 (hereinafter referred to as 'the Transmission Licence Regulations') for grant of separate transmission licence for (i) Implementation of 220 kV bays for RE generators and 400/220kV ICTs at Bikaner-II PS scheme, (ii) Implementation of 1 no. of 400 kV line bay at 400/220 kV Bikaner-II PS for interconnection of 1000 MW Solar Project of SJVN Ltd. and (iii) Implementation of 2 nos. of 220 kV line



bays at 400/220kV Bikaner-II PS for interconnection of 1000 MW solar projects (ACME Solar Holdings Pvt. Ltd, Prerak Greentech Pvt. Ltd.) through RTM mode. The scope of the project for which transmission licence has been sought is as under:

(a) Central Transmission Utility of India Limited (CTUIL) Office Memorandum dated 16.11.2021: **"Implementation of 220 kV bays for RE generators and 400/220kV ICTs at Bikaner-II PS"**

S. No.	Scope of the Transmission Scheme	Capacity	Implementation timeframe
1	2x500MVA, 400/220 kV ICT at Bikaner-II PS	400/220 kV, 500 MVA ICT -2 nos. 400 kV ICT bays - 2 nos. 220 kV ICT bays - 2 nos.	ICT-I: Mar' 2023 ICT-II: Apr' 2023
2	4 nos. 220 kV line bays	220 line bays - 4 nos.	1 no. of bay: March 2023 1 no. of bay: April 2023 2 no. of bays: December 2023

(b) CTUIL Office Memorandum dated on 26.4.2022: **Implementation of 1 no. of 400 kV line bay at 400/220 kV Bikaner-II PS for interconnection of 1000 MW Solar Project of SJVN Ltd.**

S. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
<u>1</u>	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd.	• 400 kV line bay- 1 No.	1.10.2023

(c) CTUIL OM dated 25.8.2022: **Implementation of 2 no. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.).**



S. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	2 nos. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of RE projects (ACME Solar Holdings Pvt Ltd., Prerak Greentech Pvt. Ltd.)	220 kV line bay – 2 Nos. (refer to note a)	15 months from the issue of OM by CTUIL
2.	Implementation of 220 kV Bus sectionalizer along with bus coupler and transfer bus coupler at 400/220 kV Bikaner-II PS.	<ul style="list-style-type: none"> • 220kV Bus Sectionalizer Bay-1 Set • 220 kV Bus Coupler Bay -1 No. • 220 kV Transfer Bus Coupler Bay-1 No. • Bus extension works for future Bays (3 Nos. of Line Bays & 3 Nos. of ICT Bays) – 1 Set 	

Note:

a) At 220 kV Bikaner-II, future line bays (no.214/216/218) in Section-B are allocated to RE developers with bays in the RE developer's Scope.

2. PBSTL was incorporated as a special purpose vehicle by PFC Consulting Limited (PFCCL) as part of Tariff Based Competitive Bidding ('TBCB') process for implementing "Transmission System Strengthening Scheme for Evacuation of Power from Solar Energy Zones in Rajasthan (8.1 GW) under Phase II-Part F" on Build, Own, Operate and Maintain (BOOM) basis. Power Grid Corporation of India (PGCIL) Limited participated in the competitive bidding process conducted by PFCCL and upon emerging as the successful bidder, Letter of Intent (LOI) was issued by PFCCL to PGCIL on 16.2.2021. In accordance with the bidding documents, PGCIL acquired 100% of the shareholding in PBSTL by executing a Share Purchase Agreement with PFCCL on 25.3.2021. PBSTL entered into Transmission Service Agreement (TSA) with LTTCs on 16.10.2020. The Commission in its order dated 15.7.2021 in Petition No. 99/TL/2021 granted transmission licence to PBSTL for inter-State transmission of electricity to establish 'Transmission System Strengthening Scheme for Evacuation of Power from Solar Energy Zones in Rajasthan



(8.1 GW) under Phase II-Part F" on Build, Own, Operate and Maintain ("BOOM") basis consisting of the following elements:

Sr. No.	Name of the Transmission Element	Scheduled COD
1	<p>Establishment of 400 kV switching station at Bikaner –II PS with 420kV (2x125 MVAR) bus reactor.</p> <p>400 kV line bays – 4 numbers.</p> <p>125 MVAR, 420 kV bus reactor - 2 numbers.</p> <p>400 kV bus reactor bay – 2 numbers.</p> <p>400 kV, 80MVAR line reactor on each circuit at Bikaner –II end of Bikaner –II – Khetri 400 kV 2xD/c Line – 4 numbers.</p> <p>Switching equipment for 400 kV switchable line reactor – 4 numbers.</p> <p>Future provisions:</p> <p>Space for 400/220 kV ICTs along with bays – 10 numbers.</p> <p>400 kV line bays – 6 numbers.</p> <p>220 kV line bays – 16 numbers.</p> <p>420 kV reactors along with bays – 2 numbers.</p> <p>Suitable bus sectionaliser arrangement at 400 kV and 220 kV</p>	<p>18 Months from the effective date or June 2022, whichever is later</p>
2	Bikaner-II PS – Khetri 400 kV 2xD/c line (Twin HTLS* on M/c Tower)	
3	1x80 MVAR Fixed Line reactor on each circuit at Khetri end of end of Bikaner –II – Khetri 400 kV 2xD/c Line - 4 numbers.	
4	4 number of 400 kV line bays at Khetri for Bikaner –II PS – Khetri 400kV 2xD/c line	
5	Khetri- Bhiwadi 400 kV D/c line (Twin HTLS)*	
6	2 number of 400 kV line bays at Khetri for Khetri - Bhiwadi 400kV D/c line	
7	2 number of 400 kV (GIS) line bays at Bhiwadi for Khetri- Bhiwadi 400 kV D/c line	
8	STATCOM at Bikaner-II S/s ± 300 MVAR, 2x125 MVAR MSC, 1x125 MVAR MSR	

*With minimum capacity of 2100 MVA on each circuit at nominal voltage.

Note:

- POWERGRID to provide space for 2 number of 400 kV bays at Bhiwadi substation.
- Developer of Khetri Substation to provide space for 4 number of 400 kV line bays without

any charges & to provide space for 2 number of 400 kV line bays and 4 number of fixed line reactors (for Bikaner-II – Khetri 400 kV 2xD/c line at Khetri end) on chargeable basis.

3. The Commission after considering the application of the Petitioner in the light of the provisions of the Act and the Transmission Licence Regulations, in its order dated 7.10.2022, prima facie proposed to grant transmission licence to the Petitioner described in paragraph 1 of the order dated 7.10.2022. Relevant extract of order dated 7.10.22 is extracted as under:

“20. In the present case, the Petitioner does not fulfil any of the eligibility condition for grant of transmission licence. However, in the 6th meeting of National Committee on Transmission, it was indicated that as per the revised Terms of Reference issued by Ministry of Power, Government of India, ISTS projects costing upto Rs. 100 crore or such limit as may be prescribed by Ministry of Power from time to time would be approved by CTUIL including its mode of implementation. The scheme has been identified for implementation though RTM mode by CTUIL. Non-grant of transmission licence to any agency nominated by NCT to implement a transmission system through regulated tariff mechanism in view of the provisions of Regulation 6 defeats the purpose of the Policy decision of the Government. We are of the view that considering the strategic importance of the transmission line, it is a fit case for relaxation of the provisions of Regulation 6 by invoking of the power vested under Regulation 24 of the Transmission Licence Regulations.

21. Regulation 24 of the Transmission Licence Regulations dealing with power to relax in appropriate cases, provides as under:

“24. The Commission may, when it considers necessary or expedient to do so and for reasons to be recorded in writing, relax or depart from any of the provisions of these regulations”

22. It is an established principle of law that the power to relax has to be strictly construed and is to be exercised judiciously and with caution. Further, the power to relax is to be exercised only when undue hardship is caused by the application of the rules or regulations. In the present case, the Petitioner is a transmission licensee which is already implementing the project defined under its scope through TBCB mechanism. The present Petition is consequent to the office order 28.10.2021 notified by Ministry of Power Government of India wherein CTUIL has been authorized to determine the mode of implementation of ISTS projects less than or equal to Rs.100 crore. Pursuant to direction of Ministry of Power, CTUIL, vide its separate three Office Memorandums dated 16.11.2021, 26.4.2022 and 25.8.2022 has determined a list of transmission schemes/Projects to be implemented or through Regulated Tariff



Mechanism which also includes the instant Petition for the subject transmission system.

23. *It is noticed that as per the Ministry of Power, Government of India letter dated 28.10.2021, ISTS costing less than or equal to Rs. 100 crore is required to be approved by CTUIL along with mode of implementation. However, in the present case, CTUIL vide its OMs dated 16.11.2021, 26.4.2022 and 25.8.2022 has approved the three schemes, which cumulatively cost more than Rs. 100 crore. During the course of hearing on 29.9.2022, the representative of CTUIL submitted that the Petitioner has been nominated as the implementing agency for the three elements on three separate instances (vide separate above three OMs) and the individual cost of all the three elements individually is less than Rs. 100 crore and as per the MoP's OM dated 28.10.2021, ISTS costing less than or equal to Rs. 100 crore is required to be approved by CTUIL along with its mode of implementation. The Commission is of the view that since combined cost of the three elements is exceeding Rs. 100 crore, the proposal may also be got ratified from the NCT.*

24. *With regard to likely date of generation for which the subject transmission system/elements are being implemented, the representative of CTUIL submitted that the generation is likely to start from the month of October, 2023 and as per the original schedule, these elements/systems are also likely to achieve COD from March, 2023. CTUIL is directed to properly coordinate and ensure that the timeline for commissioning of these elements/systems is in line with the commissioning of the generating station(s) for which the respective elements/systems are implemented so that there is no mismatch between their commissioning. CTUIL is further directed to consider revising the commissioning schedule of transmission elements/systems, if so required.*

25. *Since the Petitioner is already an inter-State transmission licensee and has been identified as an agency to implement the above noted three projects/schemes vide separate three OMs as per RTM, the Commission in exercise of power under Regulation 24 hereby relaxes the provision of Regulation 6 of the Transmission Licence Regulations and holds that the Petitioner is eligible for grant of transmission licence. We, hereby, direct that a public notice under clause (a) of sub-section (5) of Section 15 of the Act be published to invite suggestions or objections to grant of transmission licence aforesaid. The objections or suggestions, if any, be filed by any person before the Commission, by 25.10.2022."*

4. A public notice under Sub-section (5) of Section 15 of the Act was published on 13.10.2022 in all editions of the Hindustan Times (English) and Hindustan (Hindi). No suggestions/ objections have been received from the members of the public in response to the public notice.



5. The Commission, vide its order dated 7.10.2022, had observed that since combined cost of the three elements is exceeding Rs. 100 crore, the proposal may also be got ratified from the NCT. The Commission further directed CTUIL to properly coordinate and ensure that the timeline for commissioning of these elements/systems is in line with the commissioning of the generating station(s) for which the respective elements/systems are implemented so that there is no mismatch between their commissioning. CTUIL was further directed to consider revising the commissioning schedule of transmission elements/systems, if so required.

6. Case was called out for hearing on 15.11.2022. The learned counsel for the Petitioner submitted that no objection has been received in response to the public notice published by the Commission under sub-section (5) of Section 15 of the Act. Accordingly, requested to grant transmission licence to the Petitioner company.

7. The representative of CTUIL during the course of hearing submitted that as per the Commission's direction dated 7.10.2022, CTUIL has obtained the revised schedules from various generation projects and intimated the same to the Petitioner for coordination of their commissioning schedules. The representative of CTUIL further submitted that as per information received, the requirement of the 400/220 kV ICTs under subject transmission scheme is from November, 2023 instead of March, 2023 and accordingly, CTUIL has revised the time line for implementation of 220 kV bays for RE generators and 400/220 kV ICTs at Bikaner-II PS and same has been communicated to the Petitioner vide letter dated 21.10.2022. He submitted that CTUIL shall monitor the progress of generation projects and the transmission system in the JCC meetings. The



representative of CTUIL submitted that it shall file the information regarding compliance of the order dated 7.10.2022 on affidavit.

8. Learned counsel for the Petitioner submitted that CTUIL vide its letter dated 20.10.2022 has revised the implementation schedule for 220 kV bays for RE generators and 400/220 kV ICTs at Bikaner-II PS and has advised the Petitioner to sign the Implementation Agreement with concerned RE generators. Accordingly, the Petitioner will comply with the time line given by CTUIL.

9. CTUIL vide Record of Proceedings for the hearing dated 15.11.2022 was to file the information regarding compliance of the order dated 7.10.2022. CTUIL vide its affidavit dated 17.11.2022 has submitted that CTUIL has communicated to the Petitioner that RE developers, who have been granted Stage-II connectivity at Bikaner-II PS, have updated the commissioning schedule of their generation project as recorded in 23rd JCC meeting of NR held on 22.9.2022. Further, PBTSL was informed about the bay requirement by Juna Renewables Energy Pvt. Limited at Bikaner-II PS by 30.12.2023. CTUIL has communicated the following revised time schedule for implementation of the Project as under:

Commissioning Schedule of the RE generators granted Stage-II Connectivity at Bikaner-II PS					
Sr. No.	Stage-II Grantee/Elements	Quantum (MW)/ Capacity	Bays Allocated	Schedule	
1.	Juna Renewable Energy Pvt. Ltd.	335	1 no. of 220 kV line bay	March'23	30 th December 2023
2.	ReNew Dinkar Urja Pvt. Ltd.	200	1 no. of 220 kV line bay	April'23	31 st March 2024
3.	Khidrat Renewable Energy Private Limited	300	1 no. of 220 kV line bay	December'23	No Change



4.	TP Saurya Limited	300	1 no. of 220 kV line bay	December'23	No Change
5.	SJVN Ltd.	1000	1 no. of 400 kV line bay	1.10.2023	No Change
6.	ACME Solar Holdings Pvt. Ltd.	300	1 no. of 220 kV line bay	24.11.2023	No Change
7.	Prerak Greentech Pvt. Ltd.	340	1 no. of 220 kV line bay	24.11.2023	No Change
8.	400/220 kV ICTs	2X500 MVA	NA	ICT-I: March'23 ICT-II: April'23	ICT-I & II: 24.11.2023
9.	220 kV bus extension works along with sectionalizer, bus coupler and transfer bus coupler bay	NA	NA	24.11.2023	No Change

10. As regards grant of transmission licence, Clauses (15) and (16) of Regulation 7 of Transmission Licence Regulations provide as under:

“(15) The Commission may after consideration of the further suggestions and objections, if any, received in response to the public notice as aforesaid, grant licence as nearly as practicable in Form-III attached to these regulations or for reasons to be recorded in writing, reject the application if such application is not in accordance with the provisions of the Act, the rules or regulations made thereunder or any other law for the time being in force or for any other valid reason.

(16) The Commission may, before granting licence or rejecting the application, provide an opportunity of hearing to the applicant, the Central Transmission Utility, the long-term customers, or the person who has filed suggestions and objections, or any other person:

Provided, further that the applicant shall always be given a reasonable opportunity of being heard before rejecting the application.”

11. In our order dated 7.10.2022, we had proposed to grant transmission licence to the Petitioner company and directed for issue of public notice. In response to the public notice, no suggestions/ objections have been received. CTUIL in its letter dated 20.9.2022 has recommended for grant of transmission licence to the Petitioner. We are satisfied that the Petitioner company meets the requirements of the Act and the

Transmission Licence Regulations for grant of transmission licence for the subject Transmission System mentioned at paragraph 1 of this order. Accordingly, we direct that transmission licence be granted to the Petitioner, POWERGRID Bikaner Transmission System Limited to establish the transmission scheme through RTM route as per the details given in paragraph 1 above.

12. The grant of transmission licence to the Petitioner (hereinafter referred to as "the licensee") is subject to the fulfilment of the following conditions throughout the period of licence:

- (a) The transmission licence shall, unless revoked earlier, remain in force for a period of 25 years from the date of issue;
- (b) The transmission licensee shall comply with the provisions of the Transmission Licence Regulations or any subsequent enactment thereof during the period of subsistence of the licence;
- (c) The licensee may make an application, two years before the expiry of initial licence period, for grant of licence for another term in accordance with Regulation 13 (2) of the Transmission Licence Regulations which shall be considered by the Commission in accordance with law;
- (d) The licensee shall not enter into any contract for or otherwise engage in the business of trading in electricity during the period of subsistence of the transmission licence;



(e) The licensee shall have the liability to pay the license fee in accordance with the provisions of the Central Electricity Regulatory Commission (Payment of Fees) Regulations, 2012, as amended from time to time or any subsequent enactment thereof. Delay in payment or non-payment of licence fee or a part thereof for a period exceeding sixty days shall be construed as breach of the terms and conditions of the licence;

(f) The licensee shall comply with the directions of the National Load Despatch Centre under Section 26 of the Act, or the Regional Load Despatch Centre under sub-section (3) of Section 28 or sub-section (1) of Section 29 of the Act, as may be issued from time to time for maintaining the availability of the transmission system;

(g) The licensee shall remain bound by the Central Electricity Regulatory Commission (Standard of Performance of inter-State transmission licensees) Regulations, 2012 or subsequent enactment thereof;

(h) The licensee shall provide non-discriminatory open access to its Transmission System for use by any other licensee, including a distribution licensee or an electricity trader, or generating company or any other person in accordance with the Act; the Central Electricity Regulatory Commission (Open Access in inter-State Transmission) Regulations, 2008; the Central Electricity Regulatory Commission (Grant of Connectivity, Long-term Access and Medium-term Open Access in inter-State Transmission and related matters) Regulations, 2009; the Central Electricity Regulatory Commission (Indian



Electricity Grid Code) Regulations, 2010, as amended from time to time or any subsequent re-enactments thereof;

(i) The licensee shall not undertake any other business for optimum utilization of the Transmission System without prior intimation to the Commission and shall comply with the provisions of the Central Electricity Regulatory Commission (Sharing of Revenue Derived from Utilization of Transmission Assets for other business) Regulations, 2020;

(j) The licensee shall remain bound by provisions of the Central Electricity Regulatory Commission (Sharing of inter-State Transmission Charges and Losses) Regulations, 2020 as amended from time to time;

(k) The licensee shall remain bound by the provisions of the Act, the Rules and Regulations framed thereunder, in particular the Transmission Licence Regulations, the Grid Code, the Standards specified by the Central Electricity Authority, orders and directions of the Commission issued from time to time;

(l) The licensee shall ensure execution of the Project as per the Technical Standards and Grid Standards of CEA;

(m) The licensee shall coordinate with the licensees (including deemed licensees) executing the upstream or downstream transmission projects, the Central Electricity Authority and CTUIL for ensuring smooth execution and commissioning of the Project; and



(n) The licensee shall submit all such report or information as may be required under Transmission Licence Regulations, Standard of Performance Regulations or any other regulation of the Commission or as per the directions of the Commission as may be issued from time to time.

13. Central Electricity Authority/ CTUIL shall monitor the execution of the Project and bring to the notice of the Commission any lapse on the part of the licensee to meet the schedule for further appropriate action in accordance with the provisions of the Act and the Transmission Licence Regulations.

14. Let an extract copy of this order be sent to the Central Government in Ministry of Power and Central Electricity Authority in terms of sub-section (7) of Section 15 of the Electricity Act, 2003 for their information and record.

15. Petition No. 137/TL/2022 is allowed in terms of the above.

Sd/-
(P. K. Singh)
Member

sd/-
(Arun Goyal)
Member

sd/-
(I.S. Jha)
Member



Annex-2

**CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI**

Petition No. 181/TL/2023

Coram:

Shri Jishnu Barua, Chairperson

Shri Arun Goyal, Member

Shri P.K. Singh, Member

Date of order: 28th January, 2024

In the matter of:

Application under Section 14 of the Electricity Act, 2003 read with the Central Electricity Regulatory Commission (Procedure, Terms and Conditions for Grant of Transmission License and other related matters) Regulations, 2009 for grant of a separate transmission license to POWERGRID Bikaner Transmission System Limited for the "Implementation of 1 no. of 220 kV line bay at 400/220 kV Bikaner-II PS for interconnection of solar project (NHPC Ltd.)", "Implementation of 2 nos. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of RE power park of ALF Solar Amarsar Pvt. Ltd.", "Transmission system for evacuation of power from the Rajasthan REZ Ph IV (Part-1) (Bikaner Complex) Part-E" and "Augmentation of transformation capacity at 400/220 kV Bikaner-II PS by 400/220 kV, 1 X 500 MVA ICT (3rd)" through "Regulated Tariff Mechanism" (RTM) mode.

And

In the matter of

POWERGRID Bikaner Transmission System Limited,
B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi 110 016
Address for correspondence:
ED (TBCB), Power Grid Corporation of India Limited,
Saudamini, Plot no.2, Sector -29,
Gurgaon 122001, Haryana

...Petitioner

Vs

1. The Chairman,
U.P. Power Corporation Limited,
Import Export Payment Circle, 14th Floor,
Shakti Bhawan Extension Building, 14, Ashok Marg,
Lucknow, UP.

2. The Chief Engineer,
Haryana Power Purchase Centre,
Shakti Bhawan, Energy Exchange Room No. 446,

Order in Petition No. 181/TL/2023



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Top Floor, Sector - 6,
Panchkula - 134 109, Haryana

3. The Chairman & Managing Director,
Punjab State Power Corporation Limited,
Shed No. T-1 A, Thermal Design,
Near 22 No. Phatak, Patiala, Punjab

4. The Chairman,
Jaipur Vidyut Vitran Nigam Limited,
Vidyut Bhawan, Janpath, Jaipur - 302 005.

5. The Chairman,
Ajmer Vidyut Vitran Nigam Limited,
Vidyut Bhawan, Panchsheel Nagar,
Makarwali Road, Ajmer – 305004

6. The Chairman,
Jodhpur Vidyut Vitran Nigam Limited,
New Power House, Industrial Area,
Jodhpur – 342003.

7. The Principal Secretary (Power),
Power Development Department,
Govt. of J&K Govt. of Jammu & Kashmir
SLDC Building, 1st Floor, Gladani Power House,
Narwal, Jammu

8. Chief Electrical Distribution Engineer,
North Central Railway, Subedar Ganj,
Allahabad, Uttar Pradesh

9. The Chief Executive Officer,
BSES Yamuna Power Limited,
2nd Floor, B Block, Shakti Kiran Bldg.,
Karkardooma, New Delhi – 110092

10. The Chief Executive Officer,
BSES Rajdhani Power Limited,
BSES Bhawan, 2nd Floor, B Block,
Nehru Place, New Delhi - 110 019

11. CEO & ED,
Tata Power Delhi Distribution Limited,
NDPL House, Hudson Lines,
Kingsway Camp, Delhi - 110 009



12. The Director (Commercial),
New Delhi Municipal Corporation NDMC,
Palika Kendra, Sansad Marg,
New Delhi – 110 001

13. The Superintending Engineer,
Electricity Wing of Engineering Department,
Union Territory of Chandigarh, Electricity OP Circle,
UT – Chandigarh

14. The Executive Director (Commercial),
Uttarakhand Power Corporation Limited,
UPCL, Urja Bhawan, Kanwali Road, Balliwala Chowk,
Dehradun-248001, Uttarakhand.

15. Tata Power Green Energy Limited,
34, Sant Tukaram Road, Carnac Bunder,
Masjid Bunder (E), Mumbai -400009

16. The Chief Engineer,
Power System Project Monitoring Division,
Central Electricity Authority,
Sewa Bhawan, R. K. Puram,
Sector-1, New Delhi - 110 066

17. The Chief Operating Officer,
Central Transmission Utility,
Saudamini, Plot no.2, Sector -29,
Gurgaon, Haryana

...Respondents

The following were present:

Shri Prashant Kumar, PBTSL
Shri Abhijit Daimari, PBTSL.
Shri Yatin Sharma, CTUIL
Shri Siddharth Sharma, CTUIL
Shri Akshyvat Kislay, CTUIL
Shri Lashit Sharma, CTUIL

ORDER

The Petitioner, POWERGRID Bikaner Transmission System Limited, (in Short 'PBTSL'), has filed the present Petition under Section 14 and of the Electricity Act, 2003 (hereinafter referred to as 'the Act') read with the provisions of the Central Electricity



Regulatory Commission (Terms and Conditions for grant of Transmission Licence and other related matters) Regulations, 2009 (hereinafter referred to as 'the Transmission Licence Regulations') for the grant of a separate transmission licence for the Implementation of 1 no. of 220 kV line bay at 400/220 kV Bikaner-II PS for inter-connection of a solar project NHPC Limited), Implementation of 2 nos. of 220 kV line bays at 400/220 kV Bikaner-II PS for inter-connection of RE power park of ALF Solar Amarsar Pvt. Ltd., Transmission system for evacuation of power from the Rajasthan REZ Ph IV (Part-1) (Bikaner Complex) Part-E and Augmentation of transformation capacity at 400/220 kV Bikaner-II PS by 400/220 kV, 1 X 500 MVA ICT (3rd) on Regulated Tariff Mechanism mode (hereinafter referred to as the 'transmission scheme/project'). The scope of the project for which a transmission licence has been sought is as under:

(a) Implementation of 1 no. of 220 kV line bay at 400/220 kV Bikaner-II PS for interconnection of the solar project (NHPC Ltd.):

S no	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1	1 no. of 220 kV line bay at 400/220 kV Bikaner-II PS for interconnection of RE project (NHPC Ltd.)	• 220 kV line bay – 1 no. (refer to note a)	15 months from the issue of OM by CTUIL, i.e. 27.2.2024
2	Implementation of 220 kV bus.sectionalizer along with bus coupler and transfer bus coupler at 400/220kV Bikaner-II PS	220kV bus sectionalizer bay - 1 Set 220 kV bus coupler bay -1 No. 220 kV transfer bus coupler bay - 1 No. Bus works for future bays (4 nos. of line bays & 3 nos. of ICT bays)	
Total Estimated Cost:			Rs.29.21 crore

Note:

a) At 220 kV Bikaner-II, future line bays in Section-C are proposed to be allocated to RE developers with bays in the developer's scope (no. 230-231) and ISTS scope (no. 26-227). Accordingly, 220 kV bus works may also be suitably taken up under the above scope.

(b) Implementation of 2 nos. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of RE power park of ALF Solar Amarsar Pvt. Ltd.:

Sl. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	2 no. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of RE power park of M/s ALF Solar Amarsar Pvt. Ltd.	• 220 kV line bay – 2 nos.	30.06.2024
Total Estimated Cost:			INR 11.68 Crore

(c) Transmission system for evacuation of power from the Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex) - Part-E:

S. No	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	Augmentation with 5X500 MVA, 400/220 kV ICTs at Bikaner-II PS	400/220 kV, 500 MVA ICT – 5 nos. 400 kV ICT bays – 5 nos. 220 kV ICT bays - 5 nos.	4x500MVA, 400/220kV ICTs: 31.12.2024 1x500MVA, 400/220kV ICT: 31.1.2025
Total Estimated Cost:			INR 368 Crore**

** This inter-alia includes the cost of 02 other transmission assets being constructed by POWERGRID at Bikaner (PG) & Kotputli (PG) sub-stations.

(d) Augmentation of transformation capacity at 400/220 kV Bikaner-II PS by 400/220 kV, 1X500 MVA ICT (3rd)

S. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	Augmentation of transformation capacity at 400/220 kV Bikaner-II PS by 400/220 kV, 1X500 MVA ICT (3 rd) along with associated transformer	500 MVA, 400/220 kV ICT – 1 no. 400 kV ICT bay (including associated tie bay) – 1 no. 220 kV ICT bays - 1	18 months from the issue of OM by CTUIL, i.e. 7.12.2024

	bays*	no.	
	*1 no. of 400kV (AIS) (including associated tie bay) and 1 no. of 220 kV (AIS) transformer bay		
Total estimated cost:			Rs. 55.82 crore

2. PBTSL was incorporated as a special purpose vehicle by PFC Consulting Limited (PFCCL) as part of the Tariff Based Competitive Bidding ('TBCB') process for implementing the "Transmission System Strengthening Scheme for Evacuation of Power from Solar Energy Zones in Rajasthan (8.1 GW) under Phase II-Part F" on a Build, Own, Operate, and Maintain (BOOM) basis. Power Grid Corporation of India (PGCIL) Limited participated in the competitive bidding process conducted by PFCCL, and upon emerging as the successful bidder, a Letter of Intent (LOI) was issued by PFCCL to PGCIL on 16.2.2021. In accordance with the bidding documents, PGCIL acquired 100% of the shareholding in PBTSL by executing a Share Purchase Agreement with PFCCL on 25.3.2021. PBTSL entered into a Transmission Service Agreement (TSA) with LTTCs on 16.10.2020. The Commission, in its order dated 15.7.2021 in Petition No. 99/TL/2021, granted a transmission licence to PBTSL for inter-State transmission of electricity to establish the 'Transmission System Strengthening Scheme for Evacuation of Power from Solar Energy Zones in Rajasthan (8.1 GW) under Phase II-Part F" on a Build, Own, Operate, and Maintain ("BOOM") basis consisting of the following elements:

Sr.	Name of the Transmission Element	Scheduled COD in months from Effective Date
1.	Establishment of 400 kV switching station at Bikaner-II PS with 420kV (2x125 MVAR) bus reactor 400 kV line bays – 4 nos. 125 MVAR, 420 kV bus reactor - 2 nos.	18 months from effective date or June, 2022, whichever is



Sr.	Name of the Transmission Element	Scheduled COD in months from Effective Date
	400 kV bus reactor bay – 2 nos. 400 kV, 80MVA _r line reactor on each circuit at Bikaner-II end of Bikaner-II – Khetri 400 kV 2xD/c Line – 4 nos. Switching equipment for 400 kV switchable line reactor – 4 nos. <u>Future provisions:</u> Space for 400/220 kV ICTs along with bays – 10 nos. 400 kV line bays – 6 nos. 220 kV line bays – 16 nos. 420 kV reactors along with bays – 2 nos. Suitable bus sectionaliser arrangement at 400 kV and 220 kV	later*
2.	Bikaner-II PS – Khetri 400 kV 2xD/c line (Twin HTLS* on M/c Tower)	
3.	1x80MVA _r Fixed Line reactor on each circuit at Khetri end of end of Bikaner-II – Khetri 400 kV 2xD/c Line - 4 nos.	
4.	4 nos. of 400 kV line bays at Khetri for Bikaner –II PS – Khetri 400kV 2xD/c line	
5.	Khetri-Bhiwadi 400 kV D/c line (Twin HTLS)*	
6.	2 nos. of 400 kV line bays at Khetri for Khetri - Bhiwadi 400kV D/c line	
7.	2 nos. of 400 kV(GIS) line bays at Bhiwadi for Khetri-Bhiwadi 400 kV D/c line	
8.	STATCOM at Bikaner-II S/s± 300 MVA _r , 2x125 MVA _r MSC, 1x125 MVA _r MSR	

**With a minimum capacity of 2100 MVA on each circuit at a nominal voltage*

3. The Commission has already granted a transmission licence to POWERGRID Bikaner Transmission System Limited under RTM mode vide its order dated 21.11.2022 in Petition No. 137/TL/2022 with the following scope of works.

“Implementation of 220 kV bays for RE generators and 400/220kV ICTs at Bikaner-II PS”

S. No.	Scope of the Transmission Scheme	Capacity	Implementation timeframe
1.	2x500 MVA, 400/220 kV ICT at Bikaner-II PS	400/220 kV, 500 MVA ICT - 2 nos. 400 kV ICT bays - 2 nos. 220 kV ICT bays - 2 nos.	ICT-I: March, 2023 ICT-II: April, 2023
2.	4 nos. 220 kV line bays	220 kV line bays - 4 nos.	1 no. of bay: March, 2023 1 no. of bay: April, 2023 2 nos. of bays: December, 2023

(ii) Implementation of 1 no. of 400 kV line bay at 400/220 kV Bikaner-II PS for interconnection of 1000 MW Solar Project of SJVN Ltd.

S. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd.	400 kV line bay- 1 No.	1.10.2023

(iii) Implementation of 2 no. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.).

S. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	2 nos. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of RE projects (ACME Solar Holdings Pvt Ltd., Prerak Greentech Pvt. Ltd.)	220 kV line bay – 2 Nos. (refer to note a)	15 months from the issue of OM by CTUIL
2.	Implementation of 220 kV Bus sectionalizer along with bus coupler and transfer bus coupler at 400/220kV Bikaner-II PS	220kV Bus Sectionalizer Bay-1 Set 220 kV Bus Coupler Bay -1 No. 220 kV Transfer Bus	



		Coupler Bay-1 No. Bus extension works for future Bays (3 Nos. of Line Bays & 3 Nos. of ICT Bays) -1Set	
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Note:

a) At 220 kV Bikaner-II, future line bays (no.214/216/218) in Section-B are allocated to RE developers with bays in the RE developer's Scope.

4. Subsequently, the Petitioner filed an amended Petition for the grant of a separate licence for the additional scope of works assigned by CTUIL, vide OMs dated 28.11.2022, 17.1.2023, 16.2.2023, and 8.6.2023. Regarding the grant of a separate transmission licence for the implementation of 1 no. of 220 kV line bay at 400/220 kV Bikaner-II PS for inter-connection of a solar project NHPC Limited, implementation of 2 nos. of 220 kV line bays at 400/220 kV Bikaner-II PS for inter-connection of RE power park of ALF Solar Amarsar Pvt. Ltd., transmission system for the evacuation of power from the Rajasthan REZ Ph IV (Part-1) (Bikaner Complex) Part-E and Augmentation of transformation capacity at 400/220 kV Bikaner-II PS by 400/220 kV, 1 X 500 MVA ICT (3rd) on the Regulated Tariff Mechanism (RTM) mode" as described in paragraph 1 of the order, the Commission, after considering the application of the Petitioner in light of the provisions of the Act and the Transmission Licence Regulations, vide its order dated 13.11.2023, *prima facie* proposed to grant a transmission licence to the Petitioner. The relevant extract of the order dated 13.11.2023 is extracted as under:

"30. In the present case, the Petitioner does not fulfil any of the eligibility conditions for the grant of a transmission licence. However, in the 6th meeting of the National Committee on Transmission, it was indicated that, as per the revised Terms of Reference issued by the Ministry of Power, Government of India, ISTS projects costing up to Rs. 100 crore or such limit as may be prescribed by the

Ministry of Power from time to time would be approved by CTUIL, including its mode of implementation. The scheme has been identified for implementation through RTM mode by CTUIL. The non-grant of a transmission licence to any agency nominated by NCT to implement a transmission scheme through a regulated tariff mechanism in view of the provisions of Regulation 6 defeats the purpose of the Policy decision of the Government. We are of the view that, considering the strategic importance of the transmission line, it is a fit case for a relaxation of the provisions of Regulation 6 by invoking the power vested under Regulation 24 of the Transmission Licence Regulations.

31. Regulation 24 of the Transmission Licence Regulations, dealing with the power to relax in appropriate cases, provides as under:

"24. The Commission may, when it considers necessary or expedient to do so and for reasons to be recorded in writing, relax or depart from any of the provisions of these regulations".

32. *It is an established principle of law that the power to relax has to be strictly construed and is to be exercised judiciously and with caution. Further, the power to relax is to be exercised only when undue hardship is caused by the application of the rules or regulations. In the present case, the Petitioner is a transmission licensee who is already implementing the project defined under its scope through the TBCB mechanism. The present Petition is consequent to the office order 28.10.2021 notified by the Ministry of Power, Government of India, wherein CTUIL has been authorized to determine the mode of implementation of ISTS projects less than or equal to Rs.100 crore.*

33. *Since the Petitioner is already an inter-State transmission licensee and has been identified as an agency to implement the project as per RTM, the Commission, in the exercise of power under Regulation 24, hereby relaxes the provision of Regulation 6 of the Transmission Licence Regulations and holds that the Petitioner is eligible for the grant of a transmission licence. We, hereby, direct that a public notice under clause (a) of sub-section (5) of Section 15 of the Act be published to invite suggestions or objections to grant a transmission licence aforesaid. The objections or suggestions, if any, shall be filed by any person before the Commission, by 22.11.2023."*

4. A public notice under Sub-section (5) of Section 15 of the Act was published on 21.11.2023 in all editions of the Times of India (English) and Dainik Jagran (Hindi). No suggestions/objections have been received from members of the public in response to the public notice.



5. The case was called out for hearing on 28.11.2023. The learned counsel for the Petitioner submitted that no objection has been received in response to the public notice published by the Commission under sub-section (5) of Section 15 of the Act. Accordingly, it was requested that a transmission licence be granted to the Petitioner Company. The representative of the CTUIL further submitted that CTUIL has already recommended the grant of the transmission licence.

6. Vide Record of Proceedings for the hearing dated 28.11.2023, the CTUIL was directed to furnish its comments/submissions with regard to the compliance of Rule 3(5) of Transmission System Planning Rules and to submit a copy of the approval of the Central Government for the transmission scheme covered in the instant Petition, in terms of the said Rules, 2021 notified by the Ministry of Power on 1.10.2021 on an affidavit within a week. CTUIL, vide its affidavit dated 15.1.2024, has submitted that the National Committee on Transmission ("NCT") was reconstituted *vide* Ministry of Power Office Order dated 28.10.2021 as per the decision made in a meeting held under the Chairmanship of the Hon'ble Minister of Power & NRE on 5.10.2021 to discuss the transmission related issues for renewable energy. In the aforementioned order, it was directed that (a) for the STS Projects costing more than Rs. 500 crore, NCT shall recommend to the Ministry of Power for the implementation of such projects along with their mode of implementation, (B) for ISTS Projects costing between Rs. 100 crore to Rs. 500 crore, NCT shall approve such projects along with their mode of implementation under intimation to the Ministry of Power, (c) for ISTS Projects costing less than or equal to Rs. 100 crore, CTUIL will approve such projects along with their mode of implementation under intimation to NCT



and MoP. CTUIL has further submitted that accordingly, in line with the above order of the Ministry of Power, CTUIL awarded the transmission scheme covered under the instant Petition to the Petitioner. However, as per directions of the Commission, CTUIL, vide its letter dated 15.12.2023 has requested the Ministry of Power to clarify the requirement of approval of the Central Government to transmission schemes under the Transmission System Planning Rules, 2021 for the Projects costing up to Rs. 500 crore approved by NCT/CTUIL as per the Ministry's Order dated 28.10.2021. Any directions or observations received from the Ministry of Power in this regard shall be placed before the Commission. Considering the submissions, CTUIL is directed to place on record the response received from the Ministry of Power as and when it is received. Meanwhile, we proceed to grant the transmission licence to the Petitioner Company so that the construction work of the transmission line may not be hampered.

7. As regards the grant of the transmission licence, Clauses (15) and (16) of Regulation 7 of the Transmission Licence Regulations provide as under:

"(15) The Commission may after consideration of the further suggestions and objections, if any, received in response to the public notice as aforesaid, grant licence as nearly as practicable in Form-III attached to these regulations or for reasons to be recorded in writing, reject the application if such application is not in accordance with the provisions of the Act, the rules or regulations made thereunder or any other law for the time being in force or for any other valid reason.

(16) The Commission may, before granting licence or rejecting the application, provide an opportunity of hearing to the applicant, the Central Transmission Utility, the long-term customers, or the person who has filed suggestions and objections, or any other person:

Provided further that the applicant shall always be given a reasonable opportunity of being heard before rejecting the application."



8. In our order dated 13.11.2023, we had proposed to grant the transmission licence to the Petitioner company and directed the issue of public notice, against which no suggestions/objections have been received as stated above. Further, CTUIL, in its letters dated 21.6.2023 and 22.8.2023, has recommended the grant of a transmission licence to the Petitioner. The Commission, in its order dated 13.11.2023, had observed that the Petitioner fulfils the eligibility conditions for the grant of a transmission licence. Since, in the present case, the Petitioner is a transmission licensee that is already implementing the project defined under its scope through the TBCB mechanism, and the present Petition is consequent to the office order 28.10.2021 notified by the Ministry of Power Government of India, the Commission, vide said order dated 13.11.2023 relaxed the provision of Regulation 6 of the Transmission Licence Regulations and held that the Petitioner is eligible for the grant of a transmission licence. Considering the strategic importance of the transmission line, we, accordingly, direct that the transmission licence be granted to the Petitioner, POWERGRID Bikaner Transmission System Limited, to establish the transmission scheme through the RTM route as per the details given in paragraph 1 above.

9. Considering the above, it is hereby directed that the existing transmission licence of PBTSL granted vide Order in Petition No. 137/TL/2022 dated 21.11.2022 under RTM mode may be amended to include the assets covered in the instant Petition. Accordingly, the transmission licence granted to POWERGRID Bikaner Transmission System Limited under RTM mode shall comprise the following scope of works:

- (i) ***"Implementation of 220 kV bays for RE generators and 400/220kV ICTs at Bikaner-II PS"***

S. No.	Scope of the Transmission Scheme	Capacity	Implementation timeframe
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Order in Petition No. 181/TL/2023

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1.	2x500MVA, 400/220 kV ICT at Bikaner-II PS	400/220 kV, 500 MVA ICT - 2 nos. 400 kV ICT bays - 2 nos. 220 kV ICT bays - 2 nos.	ICT-I: Mar' 2023 ICT-II: Apr' 2023
2.	4 nos. 220 kV line bays	220 kV line bays - 4 nos.	1 no. of bay: Mar'2023 1 no. of bay: Apr'2023 2 no. of bays: Dec'2023

(ii) Implementation of 1 no. of 400 kV line bay at 400/220 kV Bikaner-II PS for interconnection of 1000 MW Solar Project of SJVN Ltd.

S. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd.	400 kV line bay- 1 No.	01.10.2023

(iii) Implementation of 2 no. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.).

S. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	2 nos. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of RE projects (ACME Solar Holdings Pvt Ltd., Prerak Greentech Pvt. Ltd.)	220 kV line bay – 2 Nos. (refer to note a)	15 months from the issue of OM by CTUIL
2.	Implementation of 220 kV Bus sectionalizer along with bus coupler and transfer bus coupler at 400/220kV Bikaner-II PS	220kV Bus Sectionalizer Bay-1 Set 220 kV Bus Coupler Bay -1 No. 220 kV Transfer Bus Coupler Bay-1 No. Bus extension works for future Bays (3 Nos. of Line Bays & 3 Nos. of ICT Bays) -1Set	

Note:

b) At 220 kV Bikaner-II, future line bays (no.214/216/218) in Section-B are allocated to RE developers with bays in the RE developer's Scope.

(iv) **Implementation of 1 no. of 220 kV line bay at 400/220 kV Bikaner-II PS for interconnection of the solar project (NHPC Ltd.):**

S. no.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1	1 no. of 220 kV line bay at 400/220 kV Bikaner-II PS for interconnection of RE project (NHPC Ltd.)	220 kV line bay – 1 no. (refer to note a)	15 months from the issue of OM by CTUIL, i.e. 27.2.2024
2	Implementation of 220 kV bus sectionalizer along with bus coupler and transfer bus coupler at 400/220kV Bikaner-II PS	220kV bus sectionalizer bay - 1 Set 220 kV bus coupler bay -1 No. 220 kV transfer bus coupler bay - 1 No. Bus works for future bays (4 nos. of line bays & 3 nos. of ICT bays)	
Total Estimated Cost:			Rs.29.21 crore

Note:

a) At 220 kV Bikaner-II, future line bays in Section-C are proposed to be allocated to RE developers with bays in the developer's scope (no. 230-231) and ISTS scope (no. 26-227). Accordingly, 220 kV bus works may also be suitably taken up under the above scope.

(v) **Implementation of 2 nos. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of RE power park of ALF Solar Amarsar Pvt. Ltd.:**

Sl. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	2 no. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of RE power park of M/s ALF Solar Amarsar Pvt. Ltd.	• 220 kV line bay – 2 nos.	30.06.2024

(vi) **Transmission system for evacuation of power from the Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex) - Part-E:**



S. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	Augmentation with 5X500 MVA, 400/220 kV ICTs at Bikaner-II PS	400/220 kV, 500 MVA ICT – 5 nos. 400 kV ICT bays – 5 nos. 220 kV ICT bays - 5 nos.	4x500MVA, 400/220kV ICTs: 31.12.2024 1x500MVA, 400/220kV ICT: 31.1.2025

(vii) Augmentation of transformation capacity at 400/220 kV Bikaner-II PS by 400/220 kV, 1X500 MVA ICT (3rd)

S. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	Augmentation of transformation capacity at 400/220 kV Bikaner-II PS by 400/220 kV, 1X500 MVA ICT (3 rd) along with associated transformer bays* *1 no. of 400kV (AIS) (including associated tie bay) and 1 no. of 220 kV (AIS) transformer bay	500 MVA, 400/220 kV ICT – 1 no. 400 kV ICT bay (including associated tie bay) – 1 no. 220 kV ICT bays - 1 no.	18 months from the issue of OM by CTUIL, i.e. 7.12.2024

10. The grant of the transmission licence to the Petitioner (hereinafter referred to as “the licensee”) is subject to the fulfilment of the following conditions throughout the period of licence:

(a) The transmission licence shall, unless revoked earlier, remain in force for a period of 25 years from the date of issue;

(b) The transmission licensee shall comply with the provisions of the Transmission Licence Regulations or any subsequent enactment thereof during the period of subsistence of the licence;



- (c) The licensee may make an application, two years before the expiry of the initial licence period, for the grant of the transmission licence for another term in accordance with Regulation 13 (2) of the Transmission Licence Regulations, which shall be considered by the Commission in accordance with law;
- (d) The licensee shall not enter into any contract for or otherwise engage in the business of trading in electricity during the period of subsistence of the transmission licence;
- (e) The licensee shall have the liability to pay the license fee in accordance with the provisions of the Central Electricity Regulatory Commission (Payment of Fees) Regulations, 2012, as amended from time to time or any subsequent enactment thereof. Delay in payment or non-payment of licence fee or a part thereof for a period exceeding sixty days shall be construed as a breach of the terms and conditions of the licence;
- (f) The licensee shall comply with the directions of the National Load Despatch Centre under Section 26 of the Act, or the Regional Load Despatch Centre under sub-section (3) of Section 28 or sub-section (1) of Section 29 of the Act, as may be issued from time to time for maintaining the availability of the transmission system;
- (g) The licensee shall remain bound by the provisions of Central Electricity Regulatory Commission (Standard of Performance of inter-State transmission licensees) Regulations, 2012 or subsequent enactment thereof;



- (h) The licensee shall provide the non-discriminatory open access to its Transmission System for use by any other licensee, including a distribution licensee or an electricity trader, or generating company or any other person in accordance with the Act; the Central Electricity Regulatory Commission (Open Access in inter-State Transmission) Regulations, 2008; the Central Electricity Regulatory Commission (Connectivity and General Network Access to the inter-State Transmission System) Regulations, 2023; the Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2023, as amended from time to time or any subsequent re-enactments thereof;
- (i) The licensee shall not undertake any other business for optimum utilization of the Transmission System without prior intimation to the Commission and shall comply with the provisions of the Central Electricity Regulatory Commission (Sharing of Revenue Derived from Utilization of Transmission Assets for other business) Regulations, 2020;
- (j) The licensee shall remain bound by provisions of the Central Electricity Regulatory Commission (Sharing of inter-State Transmission Charges and Losses) Regulations, 2020 as amended from time to time;
- (k) The licensee shall remain bound by the provisions of the Act, the Rules and Regulations framed thereunder, in particular the Transmission Licence Regulations, the Grid Code, the Standards specified by the Central Electricity Authority, orders and directions of the Commission issued from time to time;



(l) The licensee shall ensure the execution of the Project as per the Technical Standards and Grid Standards of CEA; and

(m) The licensee shall submit all such report or information as may be required under Transmission Licence Regulations, Standard of Performance Regulations or any other regulation of the Commission or as per the directions of the Commission as may be issued from time to time.

(n) The licensee shall ensure that the EPC contract for the execution of work under the scope of the project is awarded through a competitive bidding process.

11. The Central Electricity Authority/ CTUIL shall monitor the execution of the Project and bring to the notice of the Commission any lapse on the part of the licensee to meet the schedule for further appropriate action in accordance with the provisions of the Act and the Transmission Licence Regulations.

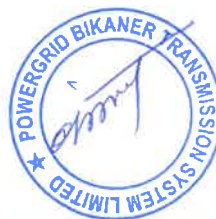
12. Let an extract copy of this order be sent to the Central Government in the Ministry of Power and the Central Electricity Authority in terms of sub-section (7) of Section 15 of the Electricity Act, 2003, for their information and record.

13. Petition No. 181/TL/2023 is allowed in terms of the above.

Sd/-
(P.K. Singh)
Member

sd/-
(Arun Goyal)
Member

sd/-
(Jishnu Barua)
Chairperson



Annex-3

सेंट्रल ट्रांसमिशन यूटिलिटी ऑफ इंडिया लिमिटेड
(पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड के स्वामित्व में)
(भारत सरकार का उद्यम)

CENTRAL TRANSMISSION UTILITY OF INDIA LTD.

(A wholly owned subsidiary of Power Grid Corporation of India Limited)
(A Government of India Enterprise)

Ref.: C/CTU/AI/00/7th CCTP

25th August 2022

OFFICE MEMORANDUM

Sub: Inter-State Transmission Schemes (costing up to Rs.100 Cr.) to be taken up for implementation under Regulated Tariff Mechanism (RTM).

The undersigned is directed to inform that CTU has approved the implementation of the following ISTS costing less than or equal to Rs.100 Cr. in line with the MoP office order dated 28.10.2021 under the Regulated Tariff Mechanism (RTM) mode by the implementing agencies as indicated in the table below:

Sl.	Name of scheme	Implementing Agency
Western Region		
1.	Augmentation of Transformation Capacity by 1x500 MVA, 400/220kV ICT (3 rd) at Raigarh (PG) substation.	Power Grid Corporation of India Ltd.
2.	Western Region Expansion Scheme-XXX (WRES-XXX).	Power Grid Corporation of India Ltd.
Northern Region		
3.	Implementation of 2 nos. of 220 kV line bays at 400/220kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.).	POWERGRID Bikaner Transmission System Ltd. [a subsidiary of Power Grid Corporation of India Ltd. (erstwhile known as Bikaner-II Bhiwadi Transco Ltd.)]
Southern Region		
4.	Augmentation of Transformation Capacity by 1x500 MVA, 400/230kV ICT (4 th) at Arasur substation.	Power Grid Corporation of India Ltd.
5.	Augmentation of Transformation Capacity by 1x500 MVA, 400/230kV ICT (4 th) at Hosur substation.	Power Grid Corporation of India Ltd.

The detailed scope of works for the above transmission schemes, as approved by CTU is given at **Annexure-I**.

Implementing agencies shall enter into a concession agreement with CTU for the implementation of the above-mentioned schemes through the Regulated Tariff Mechanism (RTM).

This issues with the approval of Competent Authority.



(Partha Sarathi Das)
Sr.General Manager

Encl: as stated.

To:

1. The Chairman & Managing Director
Power Grid Corporation of India Ltd.,
Saudamini, Plot No. 2, Sector-29,
Gurgaon- 122 001

Copy to:

1. Shri Ravinder Gupta
Chief Engineer & Member Secretary
(NCT)
Central Electricity Authority
Sewa Bhawan, R. K. Puram,
New Delhi-110 066.

2. Shri Goutam Ghosh
Director (Trans)
Ministry of Power,
Shram Shakti Bhawan,
Rafi Marg, New Delhi 110 001



Annexure-I

Western Region

1. Augmentation of Transformation Capacity by 1x500 MVA, 400/220kV ICT (3rd) at Raigarh(PG) substation:

Sl. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	Augmentation of Transformation Capacity by 1x500 MVA, 400/220 kV ICT (3 rd) at Raigarh(PG) S/s along with associated ICT bays	<ul style="list-style-type: none">• 500 MVA, 400/220 kV ICT – 1 No.• 400kV ICT bay – 1 No.• 220kV ICT bay – 1 No.	15 months from the issue of OM by CTUIL
Total Estimated Cost:			INR 45.52 Crore

2. Western Region Expansion Scheme-XXX (WRES-XXX):

Sl. No.	Scope of the Transmission Scheme	Capacity /km	Implementation timeframe
1.	Bypassing of Parli(PG) – Parli(M) 400kV D/c line (~5km.) and Parli(PG) – Parli(New) 400kV D/c (quad) line (~18km.) at the outskirts of the Parli(PG) S/s so as to form Parli(M) – Parli(New) 400kV D/c direct line (refer to note a)	Line Bypassing work	12 months from the issue of OM by CTUIL.
2.	Reconductoring of Parli(PG) – Parli(M) 400kV D/c line section of above line (at Sl. 1) with twin HTLS conductor with a minimum capacity of 1940MVA per circuit at a nominal voltage (refer to note b)	Reconductoring length: About 5 km.	
3.	400kV Bay Upgradation work at Parli(M) S/s (Parli(M) S/s has a DMT scheme. The current rating of existing bays is 2000A which would be upgraded to 3150A to suit the reconductoring with Twin HTLS conductor)	400 kV line bays (Bay Upgradation) – 2 nos.	
Total Estimated Cost:			INR 26.64 Crore

Note:

- As per GA of Parli(PG) S/s, Parli(M) & Parli(New) 400kV D/c lines are getting terminated in adjacent bays on the same side of Parli(PG) S/s. Hence, the above would facilitate their interconnection and bypassing at Parli(PG) S/s.



- b. As informed by POWERGRID in the 8th CMETS-WR meeting, existing towers have been designed for sag corresponding to twin moose conductor at 85C design temperature. Hence, Reconductoring shall be possible on existing towers with GAP conductor to achieve 1400A per sub conductor or 1940MVA per ckt.
- c. Balance works at Parli(M) S/s end such as Bus coupler/Transfer Bus Coupler/Bus Upgradation to 3150A, as required, shall be taken up by MSETCL in matching time-frame of the reconductoring scheme (WRES-XXX).
- d. Due to the volatility in the metal market, scrap value of aluminum conductors may be highly variable at this time. Considering this, the scrap value of the existing ACSR Moose conductor shall be deducted as per the prevailing scrap value to arrive at the final cost of the project.

Northern Region

3. Implementation of 2 nos. of 220 kV line bays at 400/220kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.):

Sl. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	2 nos. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of RE projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)	• 220 kV line bay – 2 Nos. (refer to note a)	15 months from the issue of OM by CTUIL
2.	Implementation of 220kV Bus sectionalizer along with bus coupler and transfer bus coupler at 400/220kV Bikaner-II PS.	<ul style="list-style-type: none"> • 220kV Bus Sectionalizer Bay– 1 Set • 220kV Bus Coupler Bay–1 No. • 220kV Transfer Bus Coupler Bay–1 No. • Bus extension works for future Bays (3 Nos. of Line Bays & 3 Nos. of ICT Bays) – 1 Set. 	
Total Estimated Cost:			INR 38.56 Crore

Note:

- a. At 220 kV Bikaner-II, future line bays (no. 214/216/218) in Section-B are allocated to RE developers with bays in the RE developer's scope.



Southern Region

4. Augmentation of Transformation Capacity by 1x500 MVA, 400/230kV ICT (4th) at Arasur substation:

Sl. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	Augmentation of transformation capacity by 1x500 MVA, 400/230kV ICT (4 th) at Arasur S/s along with associated ICT bays	<ul style="list-style-type: none">• 500 MVA, 400/230 kV ICT – 1 No.• 400kV ICT bay – 1 No.• 230kV ICT bay – 1 No. <p>(For ICT interconnection to 230kV Switchyard, 245kV Cable / GIB shall be required)</p>	18 months from the issue of OM by CTUIL
Total Estimated Cost:			INR 61 Crore

5. Augmentation of Transformation Capacity by 1x500 MVA, 400/230kV ICT (4th) at Hosur substation:

Sl. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	Augmentation of transformation capacity by 1x500 MVA, 400/230kV ICT (4 th) at Hosur S/s along with associated ICT bays	<ul style="list-style-type: none">• 500 MVA, 400/230 kV ICT – 1 No.• 400kV ICT bay – 1 No.• 230kV ICT bay – 1 No.	15 months from the issue of OM by CTUIL
Total Estimated Cost:			INR 46 Crore



Annex-4

POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED

Formerly known as Bikaner-II Bhiwadi Transco Limited
(A Wholly Owned Subsidiary of Power Grid Corporation of India Limited)

Certified True Copy of the Resolution passed at the 26th Meeting of Board of Directors of POWERGRID Bikaner Transmission System Limited held on Thursday, 13th April, 2023 at 2:15 p.m. at "Saudamini", Plot No. 2, Sector-29, Gurgaon-122001 through Video Conferencing.

Item No. 26.2.1.:

Investment approval for "Implementation of 2 no. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)"

x

x

x

The Board passed the following resolution:

"RESOLVED THAT Investment Approval be and is hereby accorded for "Implementation no. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)" at an estimated cost of Rs. 25.23 Crore, out of which 17.66 Crore in the form of Inter Corporate Loan and Rs. 7.57 in the form of Equity for implementation of the following scope of works:

- i. 2 nos. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of RE projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.).
- ii. 220 kV Bus Sectionalizer along with bus coupler and transfer bus coupler at 400/220kV Bikaner-II PS.
 - 220kV Bus Sectionalizer Bay : 1 Set (2 nos. bays)
 - 220kV Bus Coupler Bay : 1 No.
 - 220kV Transfer Bus Coupler Bay : 1 No.
 - Bus extension works for future Bays (3 Nos. of Line Bays & 3 Nos. of ICT Bays) – 1 Set

RESOLVED FURTHER THAT approval of the Board be and is hereby accorded for availing the consultancy services from POWERGRID @ 5% of the project cost (excl IDC & IEDC) plus GST as applicable for additional scope of works."

Certified to be True Copy
For POWERGRID Bikaner Transmission System Limited


Arya Jadon
Company Secretary

Registered Office
B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi – 110016
Tel: 011 – 26560112, 26560115, Email: mrinal@powergrid.in
CIN: U40300DL2020GOI363669





Annex-5

भारत सरकार/Govt. of India
विद्युत मंत्रालय/Ministry of Power
केन्द्रीय विद्युत प्राधिकरण/Central Electricity Authority
क्षेत्रीय निरीक्षणालय संगठन (उत्तर)/Regional Inspectorial Organization (North)
07वां तल, सीईए, सेवा भवन, आर.के.पुरम सेक्टर-1, नई दिल्ली-110066
07th floor, CEA, Sewa Bhawan, R.K.Puram Sector-1, New Delhi-110066

NRIO/POWERGRID Bikaner/Raj/2024/434

Dated:26.09.2024

Approval for Energisation

(Under Regulation 45 of CEA (Measures relating to Safety and Electric Supply), Regulations, 2023)

To,

M/s POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED,
VILLAGE JAIMALSAR, TEHSIL KOLAYAT,
BIKANER (RAJ)-334001

Subject: Approval for Energization of electrical installations as mentioned in List of Equipment in application of M/s POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED under Regulation 45 of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2023

Ref: (1) Online Application A/2024/14403 dated 28.08.2024.
(2) NRIO/POWERGRID Bikaner/Raj/2024/390 Order dated 13.09.2024
(3) Compliance reports uploaded on portal on 19.09.2024 and 24.09.2024

Whereas the inspection of **electrical installations as mentioned in List of Equipment in application of M/s POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED** was carried out by the undersigned on 10.09.2024 under Regulation 45 of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2023.

Approval for Energisation of the said Electrical installations/apparatus (Details being enclosed as **Annexure**) is hereby accorded subject to following conditions:

1. M/s POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED shall ensure to have all other requisite clearances/NOCs from Government and Local bodies, as applicable, before Energisation.
2. Adherence to relevant provisions of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2023 shall be ensured by M/s POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED for safety during operation and maintenance.

The first periodic inspection of above installation under Regulation 32 of CEA (Measures relating to Safety and Electric Supply) Regulations, 2023 shall be carried out at **an interval not exceeding 05 years** from the date of this inspection. The application shall be filed by the applicant **at least 6 months in advance** so that compliance and final approval is granted on time. This periodicity is subject to change by government notification.



(Deepanshu Rastogi)
Deputy Director (GoI), RIO (North)

Annexure-I_Equipment List

List of Bays/Equipment to be Energized at 400/220KV Bikaner-II PS under Implementation of 2 nos. 220 kV Line Bays at Bikaner-II PS For Interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Genetech Pvt. Ltd.).

SI No	Bay	Equipment Name	Make	MODEL	Rating	SL Number		
						R-Phase	Y-Phase	B-Phase
1	Bus CVT	Bus-1 CVT	Siemens	TCVT 245	245kV	2CV8926	2CV8925	2CV8930
2		Bus-2 CVT	Siemens	TCVT 245	245kV	2CV8919	2CV8920	2CV8921
3		89A	S&S	DBR	245kV,1600A,50KA/1 Sec	1839-213-28		
4		89B	S&S	DBR	245kV,1600A,50KA/1 Sec	1839-214-35		
5		89L	S&S	DBR	245kV,1600A,50KA/1 Sec	1839-213-27		
6		89T	S&S	DBR	245kV,1600A,50KA/1 Sec	1839-214-36		
7	201	Circuit Breaker	Siemens	3AP1FI	245kV	2023/39652		
8		CT	CG Power	IOSK:245/460/1050	245kV,	748367	748368	748369
9		WT	Quality Power	Fixed Wide Band Filter	3150A,0.5mH,50Hz	5215/6119LT	NA	5215/6121LT
10		CVT	Siemens	TCVT 245	245kV	2CV8927	2CV8928	2CV8931
11		LA	CG Power	JIAX25L	216kV	40102629	40102630	40102631
12	211	Isolator with One E/S (89A)	S&S	DBR	245kV,2500A,50KA/1 Sec	1839-212-40		
13		Circuit Breaker	Siemens	3AP1FI	245kV	2023/39653		
14		Isolator with One E/S (89B)	S&S	DBR	245kV,2500A,50KA/1 Sec	1839-212-42		
15		CT	CG Power	IOSK:245/460/1050	245kV	748384	748385	748386
16		Isolator with One E/S (89A)	S&S	DBR	245kV,2500A,50KA/1 Sec	1839-212-39		
17	212	Circuit Breaker	Siemens	3AP1FI	245kV	2023/39651		
18		Isolator with One E/S (89B)	S&S	DBR	245kV,2500A,50KA/1 Sec	1839-212-41		
19		CT	CG Power	IOSK:245/460/1050	245kV	748380	748379	748378
20		89A	S&S	DBR	245kV,1600A,50KA/1 Sec	1839-212-23		
21		89B	S&S	DBR	245kV,1600A,50KA/1 Sec	1839-214-34B		
22	213	89L	S&S	DBR	245kV,1600A,50KA/1 Sec	1839-213-44		
23		89T	S&S	DBR	245kV,1600A,50KA/1 Sec	1839-214-32		
24		Circuit Breaker	Siemens	3AP1FI	245kV	2023/39650		
25		CT	CG Power	IOSK:245/460/1050	245kV,	748366	748365	748364
26		WT	Quality Power	Fixed Wide Band Filter	3150A,0.5mH,50Hz	5215/6120LT	NA	5215/6122LT
27	220	CVT	Siemens	TCVT 245	245kV	2CV8922	2CV8929	2CV8923
28		LA	CG Power	JIAX25L	216kV	40102626	40102627	40102628
29		Isolator with Two E/S	S&S	DBR	245kV,2500A,50KA/1 Sec	1839-213-36		
30		Circuit Breaker	Siemens	3AP1FI	245kV	2023/39648		
31		Isolator with Two E/S	S&S	DBR	245kV,2500A,50KA/1 Sec	1839-213-28		
32	219	CT	CG Power	IOSK:245/460/1050	245kV	748381	748382	748383
33		89A	S&S	DBR	245kV,1600A,50KA/1 Sec	1839-212-21		
34		89B	S&S	DBR	245kV,1600A,50KA/1 Sec	1839-214-33		
35		CT	CG Power	IOSK:245/460/1050	245kV	748372	748371	748370
36		89T	S&S	DBR	245kV,2500A,50KA/1 Sec	1839-213-43		
37	CR	Siemens	3AP1FI	245kV	2023/39643			

Acharya





ग्रिड-इंडिया
GRID-INDIA

ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)

GRID CONTROLLER OF INDIA LIMITED
(A Government of India Enterprise)

[formerly Power System Operation Corporation Limited (POSOCO)]

उत्तर क्षेत्रीय भार प्रेषण केन्द्र / Northern Regional Load Despatch Centre



कार्यालय : 18-ए, शाहीद जेत सिंह सनसनवाल मार्ग, कटवारिया सराय, नई दिल्ली -110016
Office : 18-A, Shaheed Jeet Singh Sansanwal Marg, Katwaria Sarai, New Delhi-110016
CIN : U40105DL2009GOI188682, Website : www.nrlc.in, E-mail : nrlc@grid-india.in, Tel.: 011- 26854015, 40224603

Certificate Number: GRID-INDIA/NRLDC/SO/584

Date: 10-01-2025

Certificate of successful Trial Run (with electrical load) as per Clause 25 of CERC (IEGC), 2023

Certificate of completion of Trial Operation of 220 kV Bus Sectionalizer Bay-211 of 220 KV Bus-1 & 3 and Main Bay-213 of 220 kV Bikaner_2-Prerak Line at Bikaner_2.

Reference:

1. POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED (PBTSL) Communication dated 31 Aug 2024 13:26, vide Format - I and 29 Sep 2024 08:28, 02 Oct 2024 15:19, 04 Oct 2024 15:05, vide Format - III regarding the submission of pre charging documents for -

i. 220kV Bus Sectionalizer Bay 211 of 220 KV Bus-1 and 220 KV Bus-3 at Bikaner_2 (PBTSL)

ii. 220kV Main Bus 3 at Bikaner_2 (PBTSL)

iii. 220kV Main Bay 213 of 220 kV at Bikaner_2 & Prerak Line and (Prerak line is currently charged through Bay-203 at Bikaner_2 and same shall be shifted to 213 Bay at Bikaner_2) at Bikaner_2 (PBTSL)

2. NRLDC Acknowledgement dated 02 Sep 2024 14:28 vide Format - II and Provisional Approval dated 07 Oct 2024 16:38 vide Format - IV.

3. Real time code Issued by NRLDC on request of POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED (PBTSL) Real Time Code No-NR2410-2287,2288.

4. POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED (PBTSL) , Communication dated 20 Nov 2024 18:38, 01 Jan 2025 14:38, vide Format - V regarding the submission of post charging documents.

5. No Objections recived from (Beneficiary(ies)).

Based on above references, it is hereby certified that the following Power System elements have been successfully completed the trial operation:

Name of the Transmission Asset:	1. 220 kV Bus Sectionalizer Bay-211 of 220 KV Bus-1 & 3 at Bikaner_2. 2. 220 kV Main Bay-213 of 220 kV Bikaner_2-Prerak Line at Bikaner_2.
Owner of the Transmission Asset:	POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED (PBTSL).
Date and Time of Energization for commencement of successful trial run operation	1. 09-10-2024 - 20:10Hrs 2. 20-10-2024 - 04:45Hrs
Date/Time of completion of successful trial run operation	1. 10-10-2024 - 20:10Hrs 2. 21-10-2024 - 04:45Hrs

Note:

This certificate is being issued in accordance with Regulation 25 (1) and 25(2) of CERC (Indian Electricity Grid Code) Regulations, 2023 and amendments thereof to certify successful trial run of power system element with electrical load.


Nabarun Roy

Executive Director

Place : New Delhi

Copy to :



I. Head-POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED (PBTSL).

II. Member Secretary, NRPC, New Delhi

III. Executive Director, NLDC, New Delhi.

IV. Beneficiary(ies).



पंजीकृत कार्यालय : प्रथम तल, बी-9, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली - 110016
Registered Office : First Floor, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi -110016

पावरग्रिड बीकानेर ट्रांसमिशन सिस्टम लिमिटेड

(पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड की 100% पूर्ण स्वामित्व वाली सहायक कम्पनी)

POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED

(A 100% wholly owned subsidiary of Power Grid Corporation of India Limited)

पता: 400/220 के.वी. बीकानेर-II उपकेन्द्र, ग्राम जयमलसर, भानीपुरा रोड, बीकानेर (राजस्थान) - 334302

Address: 400/220 KV Bikaner-II Sub-station, Village Jalmalsar, Bhanipura Road, Bikaner (Rajasthan) - 334001 CIN:U40300DL2020GOI363669

**Certificate as per
CERC (Indian Electricity Grid Code) Regulation 2023
(For Inter State Transmission System)**

This is to certify that following assets under the Transmission system namely "IMPLEMENTATION OF 2 NO. OF 220KV LINE BAYS AT 400/220 KV BIKANER-II PS FOR INTERCONNECTION OF SOLAR PROJECTS (ACME SOLAR HOLDING PVT. LTD., PRERAK GREENTECH PVT LTD)" in Northern Region conform to the Central Electricity Authority Technical Standards for Construction, Central Electricity Authority Technical Standards for Connectivity, Central Electricity Authority Technical Standards for Communication, Central Electricity Authority (Measures relating to Safety and Electricity Supply) Regulations, 2010 and Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2023 and are capable of operation to their full capacity as per requirements for declaration of commercial operation as per following details:

Name of the assets	Date
1 No. of 220 kV line bay (213) at Bikaner-II PS	09.10.2024/20:10hrs
220 kV Bus Sectionalizer Bay (211)"	09.10.2024/20:09hrs

(Dr Subir Sen)
Chairman

POWERGRID Bikaner Transmission System Limited



पंजीकृत कार्यालय: बी 9, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली - 110016 दूरभाष - 011 6560121 (ई पी बी एक्स) फैक्स: 6560039,

Registered Office: B-9, Qutub Institutional Area, Katwaria Sarai, New Delhi - 110016, Ph: 26560121 (EPBAX), Fax: 011-26560112

उत्तरी क्षेत्र परिचालन प्रणाली- I, क्षेत्रीय कार्यालय: एस.सी.ओ. बे.नं. 5-10, सेक्टर 16A, फरीदाबाद - 121002, हरियाणा

Northern Region Transmission System-1, Regional Head Quarter : SCO BAY No. 5 - 10, Sector 16A, Faridabad, Haryana 121002

पावरग्रिड बीकानेर ट्रांसमिशन सिस्टम लिमिटेड

(पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड की 100% पूर्ण स्वामित्व वाली सहायक कम्पनी)

POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED

(A 100% wholly owned subsidiary of Power Grid Corporation of India Limited)

पता: 400/220 के.बी. बीकानेर-II उपकेन्द्र, ग्राम जयमलसर, भानीपुरा रोड, बीकानेर (राजस्थान) – 334001

Address: 400/220 KV Bikaner-II Sub-station, Village Jaimalsar, Bhanipura Road, Bikaner (Rajasthan) – 334001

CIN:U40300DL2020GOI363669

Ref: TBCB-RTM/PBTSL/DOCO Letter/PRERAK/01

Date: 16.01.2025

To
COO, CTUIL
Floor No. 7, Tower 1, Plot No. 16,
IRCON International Tower, Institutional Area, Sector 32,
Gurugram, Haryana – 122001.

Kind Attention: Shri Ashok Pal

Subject: Issuance of DOCO Certificate of transmission element namely *220 kV Line Bay(Bay No. 213) for interconnection of M/s Prerak Greentech Pvt. Ltd. at Bikaner-II SS under the "Implementation of 2 nos. of 220 kV line bays at 400/220kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)"*

Ref: (i) "CTU's OM C/CTU/AI/00/7th CCTP dated 25.08.2022"

Dear Sir(s),

Consequent to the successful charging, the *220 kV Line Bay(Bay No. 213) for interconnection of M/s Prerak Greentech Pvt. Ltd at Bikaner-II SS under the "Implementation of 2 nos. of 220 kV line bays at 400/220kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)"* has been put under commercial operation with effect from 00:00 Hrs. of 22.10.2024, in terms of CERC (Indian Electricity Grid Code) Regulations 2023 and Clause 1 of Regulation (5) of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024.

Transmission charges for the above asset is payable with effect from 22.10.2024.

Thanking You,

Yours faithfully,

For and on behalf of POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED



K K Choudhary

Project Incharge

POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED

Email id: kanchan@powergrid.in

Mobile No.: 9560690612



पंजीकृत कार्यालय: बी 9, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली – 110016 दूरभाष 011 6560121 (ई पी बी एक्स) फैक्स: 6560039,
Registered Office: B-9, Qutub Institutional Area, Katwaria Sarai, New Delhi – 110016, Ph: 26560121(EPBAX), Fax: 011-26560112

उत्तरी क्षेत्र परिषद प्रणाली- I, क्षेत्रीय कार्यालय: एस.सी.ओ. बे नं. 5-10 सेक्टर 16A, फरीदाबाद – 121002, हरियाणा

Northern Region Transmission System-I, Regional Head Quarter: SCO BAY No. 5 – 10, Sector 16A, Faridabad, Haryana 121002



ग्रिड-इंडिया
GRID-INDIA

ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
GRID CONTROLLER OF INDIA LIMITED

(A Government of India Enterprise)
[formerly Power System Operation Corporation Limited (POSOCO)]



उत्तर क्षेत्रीय भार प्रेषण केन्द्र / Northern Regional Load Despatch Centre

कार्यालय: 18-ए, शाहीद जेत सिंह सनसनवाल मार्ग, कटवारिया सराय, नई दिल्ली - 110016
Office : 18-A, Shaheed Jeet Singh Sansanwal Marg, Katwaria Sarai, New Delhi-110016
CIN : U40105DL2009GOI188682, Website : www.nrlcdc.in, E-mail : nrlcdc@grid-india.in, Tel.: 011- 26854015, 40224603

Certificate Number: GRID-INDIA/NRLDC/SO/563

Date: 03-12-2024

Certificate of successful Trial Run (without electrical load) as per Clause 25 of CERC (IEGC), 2023.

Certificate of completion of Trial Operation of 220kV Main Bay 201 of 220 kV Bikaner_2 - ACME Line at Bikaner_2 (PBTSL).

Reference:

1. **POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED (PBTSL)** Communication dated **31 Aug 2024 13:30**, vide Format - I and **23 Oct 2024 01:37**, vide Format - III regarding the submission of pre charging documents for -
i. 220kV Main Bay 201 of 220 kV Bikaner_2 - ACME Line at Bikaner_2 (PBTSL)
2. NRLDC Acknowledgement dated **02 Sep 2024 14:28** vide Format - II and Provisional Approval dated **24 Oct 2024 09:06** vide Format - IV.
3. Real time code issued by NRLDC on request of **POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED (PBTSL)** Real Time Code No-NR7209.
4. **POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED (PBTSL)**, Communication dated **20 Nov 2024 17:17**, **27 Nov 2024 18:34**, vide Format - V regarding the submission of post charging documents.
5. No Objections recived from Beneficiary(ies).

Based on above references, it is hereby certified that the following Transmission elements have been successfully completed the trial operation:

Name of the Transmission Asset:	220kV Main Bay 201 of 220 kV Bikaner_2 - ACME Line at Bikaner_2 (PBTSL).
Owner of the Transmission Asset:	POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED (PBTSL).
Date and Time of Energization for commencement of successful trial run operation	28-10-2024 - 01:00Hrs.
Date/Time of completion of successful trial run operation	29-10-2024 - 01:00Hrs.

Note:

Above mentioned bay was charged at no load as associated transmission element is yet to be commissioned.

This certificate is being issued in accordance with Régulation 25 (1) and 25(2) of CERC (Indian Electricity Grid Code) Regulations, 2023 and amendments thereof to certify successful trial run of power system element **without** electrical load.


03/12/2024

Nabarun Roy
Executive Director

Place : New Delhi

Copy to :

I. Head:- POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED (PBTSL).

II. Member Secretary, NRPC, New Delhi.



III. Head, NLDC, New Delhi

IV. Beneficiary(ies)



पंजीकृत कार्यालय : प्रथम तल, बी-9, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली - 110016
Registered Office : First Floor, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi -110016



सेंट्रल ट्रांसमिशन यूटिलिटी ऑफ इंडिया लिमिटेड

(पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड के स्वामित्व में)

(भारत सरकार का उद्यम)

CENTRAL TRANSMISSION UTILITY OF INDIA LTD.

(A wholly owned subsidiary of Power Grid Corporation of India Limited)

(A Government of India Enterprise)

Certificate no.: CTU/CMG/RTM/Certificate/2024-25/07

Date: 24-01-2025

CTU Certificate towards completion of Transmission System

(In compliance with requirement of IEGC-2023 to apply for approval of COD)

To,
POWERGRID Bikaner Transmission System Ltd.
400/220kV Bikaner-II Sub-station,
Village Jaimalsar, Bhanipura Road,
Bikaner- 334001, Rajasthan

Project: "Implementation of 2 nos. of 220 kV line bays at 400/220kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)" implemented by "POWERGRID Bikaner Transmission System Ltd."

References:

- CTUIL OM dated dated 25.08.2022.
- Letter from "POWERGRID Bikaner Transmission System Ltd." with reference no. RTM/Bikaner-II/Completion Certificate dated 12.11.2024 requesting CTU for issuance of the completion certificate.
- Approval letter from CEA with reference no. NRIO/POWERGRID Bikaner/Raj/2024/434 dated 26.09.2024 for energization of electrical installation under consideration (i.e. Bay 201).
- GRID-INDIA certificate for successful Trial Operation (without electrical load) for 220kV Main Bay 201 of 220kV Bikaner_2- ACME line at Bikaner_2 (PBTSL) with reference no.- GRID-INDIA/NRLDC/SO/563 dated 03.12.2024.
- Undertakings from "POWERGRID Bikaner Transmission System Ltd." dated 12.11.2024, signed by Chairman, POWERGRID Bikaner Transmission System Ltd. (Transmission licensee) regarding completion of transmission system.

This is to certify that transmission elements as detailed in **Table-A** have been completed by M/s "POWERGRID Bikaner Transmission System Ltd." meeting all the requirements of the transmission line, sub-station, communication system & inter-related systems conforming CEA Standards & Regulations including:

- CEA (Technical Standards for Construction of Electrical Plants and Electric lines) Regulation, 2022.
- CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007.
- CEA (Technical Standards for Communication in Power System Operation) Regulations, 2020.
- CEA (Measures relating to Safety and Electricity Supply) Regulations, 2023

Page 1 of 2



Table-A

Sl. No.	Name of the Transmission Elements (as per scope of works under CTU's OM/NCT's letter/MoP's OM)	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element), if applicable	Date of completion
1	1 no. of 220kV line bay at 400/220kV Bikaner-II PS for interconnection of RE project (ACME Solar Holdings Pvt. Ltd.) (Bay No.-201)	Not Applicable	29.10.2024

This Certificate is issued based on the above referred documents/details & the undertaking submitted by "POWERGRID Bikaner Transmission System Ltd." and in accordance with Fourth proviso to Regulation 27(1)(c)(i) of CERC (Indian Electricity Grid Code) Regulations, 2023, to certify that the subject transmission elements are complete as per applicable CEA Standards/Regulations and present certificate can be used to demonstrate Commercial Operation Date [COD] of aforesaid elements. Usage of this Certificate for any other purpose is prohibited.

हस्ताक्षर/Signature:  24.01.2025

नाम/Name: Ramchandra

पदनाम/Designation: Sr. GM

Date: 24-01-2025



पावरग्रिड बीकानेर ट्रांसमिशन सिस्टम लिमिटेड

(पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड की 100% पूर्ण स्वामित्व वाली सहायक कम्पनी)

POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED

(A 100% wholly owned subsidiary of Power Grid Corporation of India Limited)

पता: 400/220 के.वी. बीकानेर-II उपकेन्द्र, ग्राम जयमलसर, भानीपुरा रोड, बीकानेर (राजस्थान) - 334001

Address: 400/220 KV Bikaner-II Sub-station, Village Jaimalsar, Bhanipura Road, Bikaner (Rajasthan) - 334001

CIN:U40300DL2020GOI363669

Certificate as per

CERC (Indian Electricity Grid Code) Regulation 2023

(For Inter State Transmission System)

It is to certify that "1 No. of 220 kV line bay (201) at Bikaner-II PS" under the Transmission system namely "IMPLEMENTATION OF 2 NO. OF 220KV LINE BAYS AT 400/220 KV BIKANER-II PS FOR INTERCONNECTION OF SOLAR PROJECTS (ACME SOLAR HOLDING PVT. LTD. & PRERAK GREENTECH PVT LTD)" in Northern Region conform to the CEA Technical Standards for Construction, CEA Technical Standards for Connectivity, CEA Technical Standards for Communication, Central Electricity Authority (Measures relating to Safety and Electricity Supply) Regulations, 2010 and Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2023 and is capable of operation to its full capacity as per requirements for declaration of commercial operation w.e.f. 29.10.2024 (01:00hrs).

(Dr. Subir Sen)

Chairman

POWERGRID Bikaner Transmission System Limited



पंजीकृत कार्यालय: बी 9, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली - 110016 दूरभाष -011 6560121 (ई पी बी एक्स) फैक्स: 6560039,

Registered Office: B-9, Qutub Institutional Area, Katwaria Sarai, New Delhi - 110016, Ph: 26560121 (EPBAX), Fax: 011-26560112

उत्तरी क्षेत्र परीक्षण प्रणाली- I, क्षेत्रीय कार्यालय: एस.सी.ओ. बे नं. 5-10 सेक्टर 16A, फरीदाबाद - 121002, हरियाणा

Northern Region Transmission System-I, Regional Head Quarter : SCO BAY No. 5 - 10, Sector 16A, Faridabad, Haryana 121002

Annex-6

P M S S & Co.
CHARTERED ACCOUNTANTS
118 B.G.F. INDRAPRASTHA COLONY, SECTOR 33, FARIDABAD-121 003

Certificate Ref. No.

Dated:.....

CERTIFICATE OF CAPITAL COST

Name of the Company : Power Grid Bikaner Transmission System Ltd. having its Registered Office at B-9, Qutub Institutional Area, Katwaria Sarai, New Delhi-110016
Name of the Region : Northern Region-I
Name of the Project : Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)
Name of the Element : 220 kV Line bay (Bay No. 213) for interconnection of M/s. Prerak Greentech Pvt. Ltd. at Bikaner-II SS
Date of Commercial Operation : 22.10.2024

S/N	Particulars	Freehold Land	Leasehold Land	Building and Civil Works	Tr. Line	Sub Station	OPGW	Communication System exd. OPGW	I. T Equipment incl. software, UNIMS, URTDSM, EMS, Cyber Security System, REMC, WAMS, SCADA System	Batteries	Total
1	Expenditure upto 21.10.2024 (DOCO 22.10.2024)					786.11		10.70	18.38		815.19
2	Estimated Expenditure from 22.10.2024 to 31.03.2025					240.64		4.34	3.34		248.32
3	Estimated Expenditure from 01.04.2025 to 31.03.2026					68.00		1.24	0.95		70.19
4	Estimated Expenditure from 01.04.2026 to 31.03.2027					34.00		0.62	0.30		34.92
	Total	0.00	0.00	0.00	0.00	1128.75	0.00	16.90	22.97	0.00	1168.62

S/N	Particulars	TL	Sub Station Incl Communication System & IT Equipment	OPGW	Total
1	Total Cost (Plant and Machinery cost excluding IDC, IEDC, land cost and cost of Civil works for the purpose of Initial Spares)	-	1,103.64	-	1103.64
2	Initial Spares included above	-	43.63	-	43.63

- a) We have verified the expenditure mentioned at Sl. No. 1 excluding liabilities in the above table. The same is based on information drawn from the books of Accounts of Power Grid Corporation of India Ltd., NR1, Faridabad for the period ended on 31.12.2024.
- b) The Estimated Expenditure mentioned at Sl. No. 2 to 4 are based on Management estimates.



Place:- Faridabad
Date:-17.01.2025

P M S S & Co.
Chartered Accountants
FRN-019667N
AJAY KUMAR GUPTA
Digitally signed by
AJAY KUMAR GUPTA
Date: 2025.01.17
13:13:17 +05'30'
Partner
M.No. 095714

UDIN 250957148MISWH9891



P M S S & CO.

Chartered Accountants

GSTIN: 06AAHFP9830G1Z2

PAN: AAHFP9830G

Head Office: 118 B, G.F., Sector-30-33,
Indraprastha Colony, Faridabad-121003

Email: guptaak990@gmail.com

M.No. 9871325500

CERTIFICATE OF CAPITAL COST

Name of the Company

Power Grid Bikaner Transmission System Ltd. having its
Registered Office at B-9, Qutub Institutional Area, Katwaria
Sarai, New Delhi-110016

Name of the Region

Northern Region-I

Name of the Project

Implementation of 2 No. of 220 kV line bays at 400/220 kV
Bikaner-II PS for interconnection of solar projects (ACME
Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)

Name of the Element

220 kV Line bay (Bay No. 213) for interconnection of M/s.
Prerak Greentech Pvt. Ltd. at Bikaner-II SS

Date of Commercial Operation

22.10.2024

Rs in Lacs

S/N	Particulars	Capital Cost	IEDC	IDC	Total
1	Expenditure upto 21.10.2024 (DOCO 22.10.2024)	750.21	44.26	20.72	815.19
2	Estimated Expenditure from 22.10.2024 to 31.03.2025	248.32			248.32
3	Estimated Expenditure from 01.04.2025 to 31.03.2026	70.19			70.19
4	Estimated Expenditure from 01.04.2026 to 31.03.2027	34.92			34.92
	Total	1,103.64	44.26	20.72	1,168.62

- a) . We have verified the expenditure mentioned at Sl. No. 1 excluding liabilities in the above table. The same is based on information drawn from the books of Accounts of Power Grid Corporation of India Ltd., NR1, Faridabad for the period ended on 31.12.2024. .
- b) The Estimated Expenditure mentioned at Sl. No. 2 to 4 are based on Management estimates.

Place:- Faridabad

Date:- 17.01.2025

UDIN 25095714BMISWH9891



P M S S & Co.

Chartered Accountants

FRN-019667N

AJAY

KUMAR

GUPTA

Ajay Kumar Gupta

Partner

M.No. 095714

Digitally signed
by AJAY KUMAR
GUPTA
Date: 2025.01.17
13:13:57 +05'30'

Certificate Ref. No.

Dated:.....

CERTIFICATE OF CAPITAL COST

Name of the Company : Power Grid Bikaner Transmission System Ltd. having its Registered Office at B-9, Qutub Institutional Area, Katwaria Sarai, New Delhi-110016

Name of the Region : Northern Region-I

Name of the Project : Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)

Name of the Element : 220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)

Date of Commercial Operation : 30.10.2024 (Proposed)

Rs in Lacs											
S/N	Particulars	Freehold Land	Leasehold Land	Building and Civil Works	Tr. Line	Sub Station	OPGW	Communication System excl. OPGW	I. T Equipment incl. software, UNMS, URTDSM, EMS, Cyber Security System, REMC, WAMS, SCADA System	Batteries	Total
1	Expenditure upto 29.10.2024 (Proposed DOCO 30.10.2024)					782.03		10.65	18.28		810.96
2	Estimated Expenditure from 30.10.2024 to 31.03.2025					240.64		4.34	3.34		248.32
3	Estimated Expenditure from 01.04.2025 to 31.03.2026					68.00		1.24	0.95		70.19
4	Estimated Expenditure from 01.04.2026 to 31.03.2027					34.00		0.62	0.30		34.92
	Total	0.00	0.00	0.00	0.00	1124.67	0.00	16.85	22.87	0.00	1164.39

S/N	Particulars	TL	Sub Station incl Communication System & IT Equipment	OPGW	Total
1	Total Cost (Plant and Machinery cost excluding IDC, IEDC, Land cost and cost of Civil works for the purpose of Initial Spares)	-	1,103.70	-	1103.70
2	Initial Spares included above	-	43.63	-	43.63

- a) We have verified the expenditure mentioned at Sl. No. 1 excluding liabilities in the above table. The same is based on information drawn from the books of Accounts of Power Grid Corporation of India Ltd., NR1, Faridabad for the period ended on 30.11.2024.
- b) The Estimated Expenditure mentioned at Sl. No. 2 to 4 are based on Management estimates.

Place:- Faridabad
Date:- 03/01/2025

P M S S & Co.
Chartered Accountants
FRN-019667N
AJAY KUMAR GUPTA
Digitally signed by AJAY KUMAR GUPTA
Date: 2025.01.03 11:36:51 +05'30'
Ajay Kumar Gupta
Partner
M.No. 095714
UDIN 25095714BMISWA2128





PMSS & CO.

Chartered Accountants

GSTIN: 06AAHFP9830G1Z2
PAN: AAHFP9830G

Head Office: 118 B, G.F., Sector-30-33,
Indraprastha Colony, Faridabad-121003
Email: guptaak990@gmail.com
M.No. 9871325500

CERTIFICATE OF CAPITAL COST

Name of the Company

Power Grid Bikaner Transmission System Ltd. having its
Registered Office at B-9, Qutub Institutional Area, Katwaria
Sarai, New Delhi-110016

Name of the Region

Northern Region-I

Name of the Project

Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-
II PS for interconnection of solar projects (ACME Solar Holdings
Pvt. Ltd., Prerak Greentech Pvt. Ltd.)

Name of the Element

220 kV main bay 201 of 220 kV Bikaner-II - ACME line at
Bikaner-II (PBTSL)

Date of Commercial Operation

30.10.2024 (Proposed)

Rs in Lacs

S/N	Particulars	Capital Cost	IEDC	IDC	Total
1	Expenditure upto 29.10.2024 (Proposed DOCO 30.10.2024)	750.27	44.27	16.42	810.96
2	Estimated Expenditure from 30.10.2024 to 31.03.2025	248.32			248.32
3	Estimated Expenditure from 01.04.2025 to 31.03.2026	70.19			70.19
4	Estimated Expenditure from 01.04.2026 to 31.03.2027	34.92			34.92
	Total	1,103.70	44.27	16.42	1,164.39

- a) We have verified the expenditure mentioned at Sl. No. 1 excluding liabilities in the above table. The same is based on information drawn from the books of Accounts of Power Grid Corporation of India Ltd., NR1, Faridabad for the period ended on 30.11.2024.
- b) The Estimated Expenditure mentioned at Sl. No. 2 to 4 are based on Management estimates.

For **PMSS & Co.**

Chartered Accountant

FRN: 019667N

AJAY KUMAR
GUPTA

Digitally signed by
AJAY KUMAR GUPTA
Date: 2025.01.03
11:24:36 +05'30'

Ajay Kumar Gupta

(Partner)

M.No. 095714

Dated: 03/01/2025

UDIN: 25095714BMISWA2128



Statement showing IDC Discharged upto DOCO

Project:	Implementation of 2 no. of 220kV line bays at 400/220kV Bikaner-II PS for interconnection of Solar Projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)						
Element:	220 kV main bay 213 of 220 kV Bikaner-II - PRERAK line at Bikaner-II (PBTSL)						
DOCO:	22-Oct-24						
Loans	Amount	Interest Rate	Drawl Date	Total IDC	Annual Interest Payment Date upto DOCO	Interest Discharged upto DOCO	Annual Interest Payment Date after DOCO
BOND-LXXII	0.18	7.56%	21-Jun-23	0.02	04-Oct-24	0.02	04-Jan-25
BOND-LXXII	0.51	7.56%	21-Jun-23	0.05	04-Oct-24	0.05	04-Jan-25
BOND-LXXII	1.50	7.56%	21-Jun-23	0.15	04-Oct-24	0.15	04-Jan-25
BOND-LXXII	0.16	7.56%	23-Jun-23	0.02	04-Oct-24	0.02	04-Jan-25
BOND-LXXII	0.26	7.56%	23-Jun-23	0.03	04-Oct-24	0.03	04-Jan-25
BOND-LXXII	0.09	7.56%	30-Jun-23	0.01	04-Oct-24	0.01	04-Jan-25
BOND-LXXII	0.01	7.56%	30-Jun-23	0.00	04-Oct-24	0.00	04-Jan-25
BOND-LXXII	0.02	7.56%	30-Jun-23	0.00	04-Oct-24	0.00	04-Jan-25
BOND-LXXII	0.00	7.56%	30-Jun-23	0.00	04-Oct-24	0.00	04-Jan-25
BOND-LXXII	0.01	7.56%	30-Jun-23	0.00	04-Oct-24	0.00	04-Jan-25
BOND-LXXII	0.00	7.56%	30-Jun-23	0.00	04-Oct-24	0.00	04-Jan-25
BOND-LXXII	0.00	7.56%	30-Jun-23	0.00	04-Oct-24	0.00	04-Jan-25
SBI_LOC_IV	0.00	Floating	06-Jul-23	0.00	04-Oct-24	0.00	04-Jan-25
SBI_LOC_IV	0.01	Floating	06-Jul-23	0.00	04-Oct-24	0.00	04-Jan-25
SBI_LOC_IV	0.05	Floating	10-Jul-23	0.01	04-Oct-24	0.01	04-Jan-25
SBI_LOC_IV	0.09	Floating	10-Jul-23	0.01	04-Oct-24	0.01	04-Jan-25
SBI_LOC_IV	0.73	Floating	11-Jul-23	0.08	04-Oct-24	0.07	04-Jan-25
SBI_LOC_IV	0.00	Floating	11-Jul-23	0.00	04-Oct-24	0.00	04-Jan-25
SBI_LOC_IV	0.01	Floating	11-Jul-23	0.00	04-Oct-24	0.00	04-Jan-25
BOND-LXXIII	0.01	7.50%	07-Sep-23	0.00	04-Oct-24	0.00	04-Jan-25
BOND-LXXIII	0.01	7.50%	07-Sep-23	0.00	04-Oct-24	0.00	04-Jan-25
BOND-LXXIII	0.02	7.50%	08-Sep-23	0.00	04-Oct-24	0.00	04-Jan-25
BOND-LXXIII	0.07	7.50%	13-Sep-23	0.01	04-Oct-24	0.01	04-Jan-25
BOND-LXXIII	0.96	7.50%	22-Sep-23	0.08	04-Oct-24	0.07	04-Jan-25
BOND-LXXIII	0.00	7.50%	27-Sep-23	0.00	04-Oct-24	0.00	04-Jan-25
BOND-LXXIV	0.68	7.70%	19-Oct-23	0.05	04-Oct-24	0.05	04-Jan-25
BOND-LXXIV	0.44	7.70%	25-Oct-23	0.03	04-Oct-24	0.03	04-Jan-25
BOND-LXXIV	0.22	7.70%	02-Nov-23	0.02	04-Oct-24	0.02	04-Jan-25
BOND-LXXIV	1.58	7.70%	07-Nov-23	0.12	04-Oct-24	0.11	04-Jan-25
BOND-LXXIV	9.31	7.70%	28-Nov-23	0.65	04-Oct-24	0.60	04-Jan-25
BOND-LXXIV	3.96	7.70%	12-Dec-23	0.26	04-Oct-24	0.25	04-Jan-25
BOND-LXXIV	0.00	7.70%	14-Dec-23	0.00	04-Oct-24	0.00	04-Jan-25
BOND-LXXIV	0.28	7.70%	18-Dec-23	0.02	04-Oct-24	0.02	04-Jan-25
BOND-LXXIV	1.06	7.70%	19-Dec-23	0.07	04-Oct-24	0.06	04-Jan-25
BOND-LXXIV	1.55	7.70%	26-Dec-23	0.10	04-Oct-24	0.09	04-Jan-25



Project:	Implementation of 2 no. of 220kV line bays at 400/220kV Bikaner-II PS for interconnection of Solar Projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)									
Element:	220 kV main bay 213 of 220 kV Bikaner-II - PRERAK line at Bikaner-II (PBTSL)									
DOCO:	22-Oct-24									
Loans	Amount	Interest Rate	Drawl Date	Total IDC	Annual Interest Payment Date upto DOCO	Interest Discharged upto DOCO	Annual Interest Payment Date after DOCO			
BOND-LXXIV	0.01	7.70%	27-Dec-23	0.00	04-Oct-24	0.00	04-Jan-25			
BOND-LXXIV	12.62	7.70%	29-Dec-23	0.79	04-Oct-24	0.74	04-Jan-25			
BOND-LXXIV	5.28	7.70%	08-Jan-24	0.32	04-Oct-24	0.30	04-Jan-25			
BOND-LXXV	0.79	7.65%	12-Jan-24	0.05	04-Oct-24	0.04	04-Jan-25			
BOND-LXXV	2.52	7.65%	19-Jan-24	0.15	04-Oct-24	0.14	04-Jan-25			
BOND-LXXV	0.71	7.65%	23-Jan-24	0.04	04-Oct-24	0.04	04-Jan-25			
BOND-LXXV	8.74	7.65%	24-Jan-24	0.50	04-Oct-24	0.46	04-Jan-25			
BOND-LXXV	0.01	7.65%	30-Jan-24	0.00	04-Oct-24	0.00	04-Jan-25			
BOND-LXXV	1.55	7.65%	23-Feb-24	0.08	04-Oct-24	0.07	04-Jan-25			
BOND-LXXV	137.79	7.65%	29-Feb-24	6.81	04-Oct-24	6.21	04-Jan-25			
BOND-LXXVI	5.39	7.35%	05-Apr-24	0.22	04-Oct-24	0.19	04-Jan-25			
BOND-LXXVII	30.65	7.55%	23-Apr-24	1.15	04-Oct-24	1.02	04-Jan-25			
BOND-LXXVII	108.83	7.55%	23-Apr-24	4.10	04-Oct-24	3.62	04-Jan-25			
BOND-LXXVII	16.21	7.55%	23-Apr-24	0.61	04-Oct-24	0.54	04-Jan-25			
BOND-LXXVII	8.30	7.55%	29-Apr-24	0.30	04-Oct-24	0.27	04-Jan-25			
BOND-LXXVII	1.95	7.55%	03-May-24	0.07	04-Oct-24	0.06	04-Jan-25			
BOND-LXXVII	4.72	7.55%	06-May-24	0.16	04-Oct-24	0.14	04-Jan-25			
BOND-LXXVII	5.48	7.55%	16-May-24	0.18	04-Oct-24	0.16	04-Jan-25			
BOND-LXXVII	10.15	7.55%	20-May-24	0.33	04-Oct-24	0.28	04-Jan-25			
BOND-LXXVII	0.01	7.55%	22-May-24	0.00	04-Oct-24	0.00	04-Jan-25			
BOND-LXXVII	1.52	7.55%	24-May-24	0.05	04-Oct-24	0.04	04-Jan-25			
BOND-LXXVII	0.93	7.55%	30-May-24	0.03	04-Oct-24	0.02	04-Jan-25			
BOND-LXXVII	20.99	7.55%	04-Jun-24	0.61	04-Oct-24	0.52	04-Jan-25			
BOND-LXXVII	0.86	7.55%	04-Jun-24	0.02	04-Oct-24	0.02	04-Jan-25			
BOND-LXXVII	6.16	7.55%	07-Jun-24	0.17	04-Oct-24	0.15	04-Jan-25			
BOND-LXXVII	2.46	7.55%	11-Jun-24	0.07	04-Oct-24	0.06	04-Jan-25			
BOND-LXXVII	13.32	7.55%	11-Jun-24	0.37	04-Oct-24	0.31	04-Jan-25			
BOND-LXXVII	0.84	7.55%	14-Jun-24	0.02	04-Oct-24	0.02	04-Jan-25			
BOND-LXXVII	0.18	7.55%	25-Jun-24	0.00	04-Oct-24	0.00	04-Jan-25			
BOND-LXXVII	13.63	7.55%	27-Jun-24	0.33	04-Oct-24	0.27	04-Jan-25			
BOND-LXXVII	0.20	7.55%	28-Jun-24	0.00	04-Oct-24	0.00	04-Jan-25			
BOND-LXXVII	12.31	7.55%	04-Jul-24	0.28	04-Oct-24	0.23	04-Jan-25			
BOND-LXXVII	1.98	7.55%	05-Jul-24	0.04	04-Oct-24	0.04	04-Jan-25			
BOND-LXXVII	2.84	7.55%	05-Jul-24	0.06	04-Oct-24	0.05	04-Jan-25			
BOND-LXXVII	2.01	7.55%	09-Jul-24	0.04	04-Oct-24	0.03	04-Jan-25			
BOND-LXXVII	2.86	7.55%	10-Jul-24	0.06	04-Oct-24	0.05	04-Jan-25			
BOND-LXXVII	5.98	7.55%	11-Jul-24	0.13	04-Oct-24	0.10	04-Jan-25			



Project:	Implementation of 2 no. of 220kV line bays at 400/220kV Bikaner-II PS for interconnection of Solar Projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)									
Element:	220 kV main bay 213 of 220 kV Bikaner-II - PRERAK line at Bikaner-II (PBTSL)									
DOCO:	22-Oct-24									
Loans	Amount	Interest Rate	Drawl Date	Total IDC	Annual Interest Payment Date upto DOCO	Interest Discharged upto DOCO	Annual Interest Payment Date after DOCO			
BOND-LXXVII	3.56	7.55%	24-Jul-24	0.07	04-Oct-24	0.05	04-Jan-25			
BOND-LXXVIII	4.23	7.38%	29-Jul-24	0.07	04-Oct-24	0.05	04-Jan-25			
BOND-LXXVIII	5.59	7.38%	30-Jul-24	0.09	04-Oct-24	0.07	04-Jan-25			
BOND-LXXVIII	6.02	7.38%	30-Jul-24	0.10	04-Oct-24	0.08	04-Jan-25			
BOND-LXXVIII	0.11	7.38%	02-Aug-24	0.00	04-Oct-24	0.00	04-Jan-25			
BOND-LXXVIII	1.96	7.38%	06-Aug-24	0.03	04-Oct-24	0.02	04-Jan-25			
BOND-LXXVIII	1.49	7.38%	22-Aug-24	0.02	04-Oct-24	0.01	04-Jan-25			
BOND-LXXVIII	3.84	7.38%	28-Aug-24	0.04	04-Oct-24	0.03	04-Jan-25			
BOND-LXXVIII	2.98	7.38%	29-Aug-24	0.03	04-Oct-24	0.02	04-Jan-25			
BOND-LXXVIII	3.49	7.38%	30-Aug-24	0.04	04-Oct-24	0.02	04-Jan-25			
BOND-LXXVIII	0.47	7.38%	05-Sep-24	0.00	04-Oct-24	0.00	04-Jan-25			
BOND-LXXVIII	1.54	7.38%	05-Sep-24	0.01	04-Oct-24	0.01	04-Jan-25			
BOND-LXXVIII	2.99	7.38%	17-Sep-24	0.02	04-Oct-24	0.01	04-Jan-25			
BOND-LXXVIII	0.81	7.38%	18-Sep-24	0.01	04-Oct-24	0.00	04-Jan-25			
BOND-LXXVIII	16.28	7.38%	23-Sep-24	0.10	04-Oct-24	0.03	04-Jan-25			
BOND-LXXVIII	1.11	7.38%	24-Sep-24	0.01	04-Oct-24	0.00	04-Jan-25			
BOND-LXXVIII	12.28	7.38%	25-Sep-24	0.07	04-Oct-24	0.01	04-Jan-25			
BOND-LXXVIII	1.28	7.38%	26-Sep-24	0.01	04-Oct-24	0.00	04-Jan-25			
BOND-LXXVIII	2.02	7.38%	27-Sep-24	0.01	04-Oct-24	0.00	04-Jan-25			
BOND-LXXVIII	0.03	7.38%	30-Sep-24	0.00	04-Oct-24	0.00	04-Jan-25			
BOND-LXXVIII	0.43	7.38%	04-Oct-24	0.00	04-Oct-24	0.00	04-Jan-25			
BOND-LXXVIII	0.00	7.38%	07-Oct-24	0.00	07-Oct-24	0.00	04-Jan-25			
Canara	1.73	Floating	09-Oct-24	0.01	08-Oct-24	0.00	04-Jan-25			
Canara	20.12	Floating	10-Oct-24	0.05	09-Oct-24	0.00	04-Jan-25			
BOND-LXXIX	1.71	7.08%	29-Oct-24	0.00		0.00	04-Jan-25			
Total	570.63			20.72		18.28				
Total IDC as per Cost Certificate	20.72									
IDC Discharged upto DOCO	18.28									
Accrual IDC upto DOCO (To be Discharged during 2024-2025)	2.44									
Accrual IDC upto DOCO (To be Discharged during 2025-2026)	0.00									



Statement showing IDC Discharged upto DOCO

Project: Implementation of 2 no. of 220kV line bays at 400/220kV Bikaner-II PS for interconnection of Solar Projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)

Element: 220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)

DOCO: Proposed to CERC		30-Oct-24							
Loans	Amount	Interest Rate	Drawl Date	Total IDC	Annual Interest Payment Date upto DOCO	Interest Discharged upto DOCO	Annual Interest Payment Date after DOCO		
BOND-LXXII	0.18	7.56%	21-Jun-23	0.02	04-Oct-24	0.02	04-Jan-25		
BOND-LXXII	0.51	7.56%	21-Jun-23	0.05	04-Oct-24	0.05	04-Jan-25		
BOND-LXXII	1.50	7.56%	21-Jun-23	0.15	04-Oct-24	0.15	04-Jan-25		
BOND-LXXII	0.16	7.56%	23-Jun-23	0.02	04-Oct-24	0.02	04-Jan-25		
BOND-LXXII	0.26	7.56%	23-Jun-23	0.03	04-Oct-24	0.03	04-Jan-25		
BOND-LXXII	0.09	7.56%	30-Jun-23	0.01	04-Oct-24	0.01	04-Jan-25		
BOND-LXXII	0.01	7.56%	30-Jun-23	0.00	04-Oct-24	0.00	04-Jan-25		
BOND-LXXII	0.02	7.56%	30-Jun-23	0.00	04-Oct-24	0.00	04-Jan-25		
BOND-LXXII	0.00	7.56%	30-Jun-23	0.00	04-Oct-24	0.00	04-Jan-25		
BOND-LXXII	0.01	7.56%	30-Jun-23	0.00	04-Oct-24	0.00	04-Jan-25		
BOND-LXXII	0.00	7.56%	30-Jun-23	0.00	04-Oct-24	0.00	04-Jan-25		
BOND-LXXII	0.00	7.56%	30-Jun-23	0.00	04-Oct-24	0.00	04-Jan-25		
SBI_LOC_IV	0.00	Floating	06-Jul-23	0.00	04-Oct-24	0.00	04-Jan-25		
SBI_LOC_IV	0.01	Floating	06-Jul-23	0.00	04-Oct-24	0.00	04-Jan-25		
SBI_LOC_IV	0.05	Floating	10-Jul-23	0.01	04-Oct-24	0.01	04-Jan-25		
SBI_LOC_IV	0.09	Floating	10-Jul-23	0.01	04-Oct-24	0.01	04-Jan-25		
SBI_LOC_IV	0.73	Floating	11-Jul-23	0.08	04-Oct-24	0.07	04-Jan-25		
SBI_LOC_IV	0.00	Floating	11-Jul-23	0.00	04-Oct-24	0.00	04-Jan-25		
SBI_LOC_IV	0.01	Floating	11-Jul-23	0.00	04-Oct-24	0.00	04-Jan-25		
BOND-LXXIII	0.01	7.50%	07-Sep-23	0.00	04-Oct-24	0.00	04-Jan-25		
BOND-LXXIII	0.01	7.50%	07-Sep-23	0.00	04-Oct-24	0.00	04-Jan-25		
BOND-LXXIII	0.02	7.50%	08-Sep-23	0.00	04-Oct-24	0.00	04-Jan-25		
BOND-LXXIII	0.07	7.50%	13-Sep-23	0.01	04-Oct-24	0.01	04-Jan-25		
BOND-LXXIII	0.96	7.50%	22-Sep-23	0.08	04-Oct-24	0.07	04-Jan-25		
BOND-LXXIII	0.00	7.50%	27-Sep-23	0.00	04-Oct-24	0.00	04-Jan-25		
BOND-LXXIV	0.68	7.70%	19-Oct-23	0.05	04-Oct-24	0.05	04-Jan-25		
BOND-LXXIV	0.44	7.70%	25-Oct-23	0.03	04-Oct-24	0.03	04-Jan-25		
BOND-LXXIV	0.22	7.70%	02-Nov-23	0.02	04-Oct-24	0.02	04-Jan-25		
BOND-LXXIV	1.58	7.70%	07-Nov-23	0.12	04-Oct-24	0.11	04-Jan-25		
BOND-LXXIV	9.31	7.70%	28-Nov-23	0.66	04-Oct-24	0.60	04-Jan-25		
BOND-LXXIV	3.96	7.70%	12-Dec-23	0.27	04-Oct-24	0.25	04-Jan-25		
BOND-LXXIV	0.00	7.70%	14-Dec-23	0.00	04-Oct-24	0.00	04-Jan-25		
BOND-LXXIV	0.28	7.70%	18-Dec-23	0.02	04-Oct-24	0.02	04-Jan-25		
BOND-LXXIV	1.06	7.70%	19-Dec-23	0.07	04-Oct-24	0.06	04-Jan-25		
BOND-LXXIV	1.55	7.70%	26-Dec-23	0.10	04-Oct-24	0.09	04-Jan-25		



Statement showing IDC Discharged upto DOCO

Project:	Implementation of 2 no. of 220kV line bays at 400/220kV Bikaner-II PS for interconnection of Solar Projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)									
Element:	220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)									
DOCO: Proposed to CERC	30-Oct-24	7.70%	27-Dec-23	0.00	04-Oct-24	0.00	04-Jan-25			
BOND-LXXIV	0.01	7.70%	27-Dec-23	0.00	04-Oct-24	0.00	04-Jan-25			
BOND-LXXIV	12.62	7.70%	29-Dec-23	0.81	04-Oct-24	0.74	04-Jan-25			
BOND-LXXIV	5.28	7.70%	08-Jan-24	0.33	04-Oct-24	0.30	04-Jan-25			
BOND-LXXV	0.79	7.65%	12-Jan-24	0.05	04-Oct-24	0.04	04-Jan-25			
BOND-LXXV	2.52	7.65%	19-Jan-24	0.15	04-Oct-24	0.14	04-Jan-25			
BOND-LXXV	0.71	7.65%	23-Jan-24	0.04	04-Oct-24	0.04	04-Jan-25			
BOND-LXXV	8.74	7.65%	24-Jan-24	0.51	04-Oct-24	0.46	04-Jan-25			
BOND-LXXV	0.01	7.65%	30-Jan-24	0.00	04-Oct-24	0.00	04-Jan-25			
BOND-LXXV	1.55	7.65%	23-Feb-24	0.08	04-Oct-24	0.07	04-Jan-25			
BOND-LXXV	137.77	7.65%	29-Feb-24	7.04	04-Oct-24	6.21	04-Jan-25			
BOND-LXXVI	2.75	7.35%	05-Apr-24	0.12	04-Oct-24	0.10	04-Jan-25			
BOND-LXXVII	15.65	7.55%	23-Apr-24	0.62	04-Oct-24	0.52	04-Jan-25			
BOND-LXXVII	55.55	7.55%	23-Apr-24	2.18	04-Oct-24	1.85	04-Jan-25			
BOND-LXXVII	8.28	7.55%	23-Apr-24	0.33	04-Oct-24	0.28	04-Jan-25			
BOND-LXXVII	4.24	7.55%	29-Apr-24	0.16	04-Oct-24	0.14	04-Jan-25			
BOND-LXXVII	0.99	7.55%	03-May-24	0.04	04-Oct-24	0.03	04-Jan-25			
BOND-LXXVII	2.41	7.55%	06-May-24	0.09	04-Oct-24	0.07	04-Jan-25			
BOND-LXXVII	2.80	7.55%	16-May-24	0.10	04-Oct-24	0.08	04-Jan-25			
BOND-LXXVII	5.18	7.55%	20-May-24	0.17	04-Oct-24	0.14	04-Jan-25			
BOND-LXXVII	0.01	7.55%	22-May-24	0.00	04-Oct-24	0.00	04-Jan-25			
BOND-LXXVII	0.78	7.55%	24-May-24	0.03	04-Oct-24	0.02	04-Jan-25			
BOND-LXXVII	0.47	7.55%	30-May-24	0.01	04-Oct-24	0.01	04-Jan-25			
BOND-LXXVII	10.71	7.55%	04-Jun-24	0.33	04-Oct-24	0.26	04-Jan-25			
BOND-LXXVII	0.44	7.55%	04-Jun-24	0.01	04-Oct-24	0.01	04-Jan-25			
BOND-LXXVII	3.14	7.55%	07-Jun-24	0.09	04-Oct-24	0.08	04-Jan-25			
BOND-LXXVII	1.25	7.55%	11-Jun-24	0.04	04-Oct-24	0.03	04-Jan-25			
BOND-LXXVII	6.80	7.55%	11-Jun-24	0.20	04-Oct-24	0.16	04-Jan-25			
BOND-LXXVII	0.43	7.55%	14-Jun-24	0.01	04-Oct-24	0.01	04-Jan-25			
BOND-LXXVII	0.09	7.55%	25-Jun-24	0.00	04-Oct-24	0.00	04-Jan-25			
BOND-LXXVII	6.96	7.55%	27-Jun-24	0.18	04-Oct-24	0.14	04-Jan-25			
BOND-LXXVII	0.10	7.55%	28-Jun-24	0.00	04-Oct-24	0.00	04-Jan-25			
BOND-LXXVII	6.28	7.55%	04-Jul-24	0.15	04-Oct-24	0.12	04-Jan-25			
BOND-LXXVII	1.01	7.55%	05-Jul-24	0.02	04-Oct-24	0.02	04-Jan-25			
BOND-LXXVII	1.45	7.55%	05-Jul-24	0.04	04-Oct-24	0.03	04-Jan-25			
BOND-LXXVII	1.03	7.55%	09-Jul-24	0.02	04-Oct-24	0.02	04-Jan-25			
BOND-LXXVII	1.46	7.55%	10-Jul-24	0.03	04-Oct-24	0.03	04-Jan-25			
BOND-LXXVII	3.05	7.55%	11-Jul-24	0.07	04-Oct-24	0.05	04-Jan-25			



Statement showing IDC Discharged upto DOCO

Implementation of 2 no. of 220kV line bays at 400/220kV Bikaner-II PS for Interconnection of Solar Projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)									
220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)									
Project:									
Element:									
DOCO: Proposed to CERC	30-Oct-24	7.55%	24-Jul-24	0.04	04-Oct-24	0.03	04-Jan-25		
BOND-LXXVII	1.82	7.38%	29-Jul-24	0.04	04-Oct-24	0.03	04-Jan-25		
BOND-LXXVIII	2.16	7.38%	30-Jul-24	0.05	04-Oct-24	0.04	04-Jan-25		
BOND-LXXVIII	2.85	7.38%	30-Jul-24	0.06	04-Oct-24	0.04	04-Jan-25		
BOND-LXXVIII	3.08	7.38%	02-Aug-24	0.00	04-Oct-24	0.00	04-Jan-25		
BOND-LXXVIII	0.06	7.38%	06-Aug-24	0.02	04-Oct-24	0.01	04-Jan-25		
BOND-LXXVIII	1.00	7.38%	22-Aug-24	0.01	04-Oct-24	0.01	04-Jan-25		
BOND-LXXVIII	0.76	7.38%	28-Aug-24	0.02	04-Oct-24	0.01	04-Jan-25		
BOND-LXXVIII	1.96	7.38%	29-Aug-24	0.02	04-Oct-24	0.01	04-Jan-25		
BOND-LXXVIII	1.52	7.38%	30-Aug-24	0.02	04-Oct-24	0.01	04-Jan-25		
BOND-LXXVIII	1.78	7.38%	05-Sep-24	0.00	04-Oct-24	0.00	04-Jan-25		
BOND-LXXVIII	0.24	7.38%	05-Sep-24	0.01	04-Oct-24	0.00	04-Jan-25		
BOND-LXXVIII	0.79	7.38%	17-Sep-24	0.01	04-Oct-24	0.00	04-Jan-25		
BOND-LXXVIII	1.53	7.38%	18-Sep-24	0.01	04-Oct-24	0.00	04-Jan-25		
BOND-LXXVIII	0.41	7.38%	23-Sep-24	0.06	04-Oct-24	0.01	04-Jan-25		
BOND-LXXVIII	8.31	7.38%	24-Sep-24	0.00	04-Oct-24	0.00	04-Jan-25		
BOND-LXXVIII	0.57	7.38%	25-Sep-24	0.04	04-Oct-24	0.01	04-Jan-25		
BOND-LXXVIII	6.27	7.38%	26-Sep-24	0.00	04-Oct-24	0.00	04-Jan-25		
BOND-LXXVIII	0.65	7.38%	27-Sep-24	0.01	04-Oct-24	0.00	04-Jan-25		
BOND-LXXVIII	1.03	7.38%	30-Sep-24	0.00	04-Oct-24	0.00	04-Jan-25		
BOND-LXXVIII	0.02	7.38%	04-Oct-24	0.00	08-Oct-24	0.00	04-Jan-25		
BOND-LXXVIII	0.22	Floating	08-Oct-24	0.00	09-Oct-24	0.00	04-Jan-25		
Canara	0.88	Floating	16-Oct-24	0.00	16-Oct-24	0.00	04-Jan-25		
Canara	4.11	7.38%	18-Oct-24	0.01	18-Oct-24	0.00	04-Jan-25		
BOND-LXXVIII	0.66	Floating	22-Oct-24	0.00	22-Oct-24	0.00	04-Jan-25		
BOND-LXXVIII	3.80	7.08%	24-Oct-24	0.00	24-Oct-24	0.00	04-Jan-25		
Canara	0.35	7.08%	24-Oct-24	0.00	24-Oct-24	0.00	04-Jan-25		
BOND-LXXVIII	0.04	7.08%	24-Oct-24	0.00	24-Oct-24	0.00	04-Jan-25		
BOND-LXXIX	0.78	7.08%	28-Oct-24	0.00	28-Oct-24	0.00	04-Jan-25		
BOND-LXXIX	0.39	7.08%	28-Oct-24	0.03	28-Oct-24	0.00	04-Jan-25		
BOND-LXXIX	1.79	7.08%	28-Oct-24	0.00	28-Oct-24	0.00	04-Jan-25		
BOND-LXXIX	1.39	7.08%	28-Oct-24	0.00	28-Oct-24	0.00	04-Jan-25		
BOND-LXXIX	76.60	7.08%	28-Oct-24	0.00	28-Oct-24	0.00	04-Jan-25		
BOND-LXXIX	7.55	7.08%	28-Oct-24	0.00	28-Oct-24	0.00	04-Jan-25		
BOND-LXXIX	7.55	7.08%	28-Oct-24	0.00	28-Oct-24	0.00	04-Jan-25		
BOND-LXXIX	1.12	7.08%	28-Oct-24	0.00	28-Oct-24	0.00	04-Jan-25		
BOND-LXXIX	84.89	7.08%	28-Oct-24	0.03	28-Oct-24	0.00	04-Jan-25		
Proposed Loan (2024-25)	1.65			0.00		0.00			



Statement showing IDC Discharged upto DOCO

Project:	Implementation of 2 no. of 220kV line bays at 400/220kV Bikaner-II PS for interconnection of Solar Projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)			
Element:	220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)			
DOCO: Proposed to CERC	30-Oct-24			
Total	567.67	16.42	14.06	
Total IDC as per Cost Certificate	16.42			
IDC Discharged upto DOCO	14.06			
Accrual IDC upto DOCO (To be Discharged during 2024-2025)	2.37			
Accrual IDC upto DOCO (To be Discharged during 2025-2026)	0.00			



COMPUTATION OF NOTIONAL IDC

Element: 220 kV Line Bay(Bay No. 213) for interconnection of M/s Prerak Greentech Pvt. Ltd.

DOCO: 22-Oct-24

(Rs. In Lakhs)

Payroll Year	Qtr.	Opening Expense	Exp during the Qtr.	Cumulative exp upto the end of Qtr.	Average Expense	Opening Debt applied	Debt applied during the Qtr.	Repayment during the Qtr.	Cumulative Debt Applied upto the end of Qtr.	Avg. Debt applied	Normative Debt	Normative debt funded through Equity*	Int Rate (Qtr.)	Notional IDC
2023	01	0.00	0.00	0.00	0.00	0.00	2.74	0.00	2.74	1.37	0.00	0.00	1.89	0.00
2023	02	0.00	0.01	0.01	0.01	2.74	1.96	0.00	4.70	3.72	0.01	0.00	1.91	0.00
2023	03	0.01	65.54	65.55	32.78	4.70	31.71	0.00	36.41	20.56	22.95	2.39	1.92	0.05
2023	04	65.55	209.38	274.93	170.24	36.41	157.39	0.00	193.80	115.11	119.17	4.06	1.91	0.08
2024	01	274.93	305.21	580.14	427.54	193.80	252.78	0.00	446.58	320.19	299.28	0.00	1.90	0.00
2024	02	580.14	191.38	771.52	675.83	446.58	100.06	0.00	546.64	496.61	473.08	0.00	1.89	0.00
2024	03	771.52	41.24	812.76	792.14	546.64	23.99	0.00	570.63	558.64	554.50	0.00	1.90	0.00
														0.13



COMPUTATION OF NOTIONAL IDC

Element: 220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)

DOCO: 30-Oct-24

(Rs. In Lakhs)

Payroll Year	Qtr.	Opening Expense	Exp during the Qtr.	Cumulative exp upto the end of Qtr.	Average Expense	Opening Debt applied	Debt applied during the Qtr.	Repayment during the Qtr.	Cumulative Debt Applied upto the end of Qtr.	Avg. Debt applied	Normative Debt	Normative debt funded through Equity*	Int Rate (Qtr.)	Notional IDC
2023	01	0.00	0.00	0.00	0.00	0.00	2.74	0.00	2.74	1.37	0.00	0.00	1.89	0.00
2023	02	0.00	0.01	0.01	0.01	2.74	1.96	0.00	4.70	3.72	0.01	0.00	1.91	0.00
2023	03	0.01	65.54	65.55	32.78	4.70	31.71	0.00	36.41	20.56	22.95	2.39	1.92	0.05
2023	04	65.55	209.38	274.93	170.24	36.41	157.37	0.00	193.78	115.10	119.17	4.07	1.91	0.08
2024	01	274.93	305.21	580.14	427.54	193.78	129.03	0.00	322.81	258.30	299.28	40.98	1.90	0.78
2024	02	580.14	189.96	770.10	675.12	322.81	51.09	0.00	373.90	348.36	472.58	124.22	1.90	2.36
2024	03	770.10	38.49	808.59	789.35	373.90	192.12	0.00	566.02	469.96	552.55	26.93	1.85	0.50
														3.77



POWERGRID Bikaner Transmission System Limited
220 KV main bay 213 of 220 KV Bikaner-II - PRERAK line at Bikaner-II (PBTSL)

Project Name: Implementation of 2 No. of 220 KV line bays at 400/220 KV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)

Asset No.	Headwise /Partywise	Particulars*	Year of Actual Capitalisation	Discharge				Reversal				Additional Liability Recognized*				Outstanding Liability as on
				2024-25	2025-26	2026-27	2027-28	2028-29	Total (24-29)	2024-25	2025-26	2026-27	2027-28	2028-29	Total (24-29)	
Asset-1		Land	22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Civil & Building	22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Tr. Line	22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sub Station	22.10.2024	80.88	56.83	16.06	7.99	0.00	80.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		OPGW	22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asset-1		Communication System excl. OPGW	22.10.2024	0.94	0.66	0.19	0.09	0.00	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		IT Equipment incl. software, UNIMS, URTDSM, EMS, Cyber Security	22.10.2024	1.57	1.10	0.31	0.16	0.00	1.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		System, REMC, WAMS, SCADA System	22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Batteries	22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Asset No.	Headwise /Partywise	Particulars*	Year of Actual Capitalisation	Discharge				Reversal				Additional Liability Recognized*				Outstanding Liability as on
				2024-25	2025-26	2026-27	2027-28	2028-29	Total (24-29)	2024-25	2025-26	2026-27	2027-28	2028-29	Total (24-29)	
Asset-1		Land	22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Civil & Building	22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Tr. Line	22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sub Station	22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		OPGW	22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asset-1		Communication System excl. OPGW	22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		IT Equipment incl. software, UNIMS, URTDSM, EMS, Cyber Security	22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		System, REMC, WAMS, SCADA System	22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Batteries	22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Asset No.	Headwise /Partywise	Particulars*	Year of Actual Capitalisation	Details of unexecuted work for which works has been completed before DOCOI cut-off date										Remarks	
				2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	Total (24-29 & 29-34)	
Asset-1		Land	22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
		Civil & Building	22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
		Tr. Line	22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
		Sub Station	22.10.2024	183.81	51.94	26.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	261.76	
		OPGW	22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
Asset-1		Communication System excl. OPGW	22.10.2024	3.68	1.05	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.26	
		IT Equipment incl. software, UNIMS, URTDSM, EMS, Cyber Security	22.10.2024	2.24	0.54	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.02	
		System, REMC, WAMS, SCADA System	22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
		Batteries	22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
			22.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	



Name of Petitioner
Asset Name
Project Name

POWERGRID Bikaner Transmission System Limited
220 KV main bay 201 of 220 KV Bikaner-II - ACME line at Bikaner-II (PBT SL)
Implementation of 2 No. of 220 KV line bays at 400/220 KV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Pirax GreenTech Pvt. Ltd.)

Rs in Lakhs

Asset No.	Headwise /Partywise	Particulars ^a	Year of Actual Capitalisation	Outstanding Liability as on COD	Discharge				Reversal				Additional Liability Recognized ^a				Outstanding Liability as on
					2024-25	2025-26	2026-27	2027-28	2028-29	Total (24-29)	2024-25	2025-26	2026-27	2027-28	2028-29	Total (24-29)	
					2024-25	2025-26	2026-27	2027-28	2028-29	Total (24-29)	2024-25	2025-26	2026-27	2027-28	2028-29	Total (24-29)	
Asset-1		Land	30.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Civil & Building	30.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Tr. Line	30.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sub Station	30.10.2024	80.89	56.84	16.06	7.99	0.00	0.00	80.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		M/s R. S. InfraProjects Pvt. Limited & M/s Skipper Ltd.	30.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asset-2		Communication System excl. OPGW	30.10.2024	0.94	0.66	0.19	0.09	0.00	0.00	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		I. T Equipment incl. software, UNIMS, URTDSM, EMS, Cyber Security System, REMC, WAMS, SCADA	30.10.2024	1.57	1.10	0.31	0.16	0.00	0.00	1.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asset-3		Batteries	30.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Asset No.	Headwise /Partywise	Particulars ^a	Year of Actual Capitalisation	Outstanding Liability as on COD	Discharge				Reversal				Additional Liability Recognized ^a				Outstanding Liability as on
					2024-25	2025-26	2026-27	2027-28	2028-29	Total (24-29)	2024-25	2025-26	2026-27	2027-28	2028-29	Total (24-29)	
					2024-25	2025-26	2026-27	2027-28	2028-29	Total (24-29)	2024-25	2025-26	2026-27	2027-28	2028-29	Total (24-29)	
Asset-2		Land	30.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Civil & Building	30.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Tr. Line	30.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sub Station	30.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		M/s R. S. InfraProjects Pvt. Limited & M/s Skipper Ltd.	30.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asset-2		Communication System excl. OPGW	30.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		I. T Equipment incl. software, UNIMS, URTDSM, EMS, Cyber Security System, REMC, WAMS, SCADA	30.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asset-3		Batteries	30.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Asset No.	Headwise /Party wise	Particulars ^a	Year of Actual Capitalisation	Details of unexecuted work for which works has been completed before DOCO/Cut-off date											Remarks	
				2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	Total (24-29 & 29-34)		
		Land	30.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
		Civil & Building	30.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
		Tr. Line	30.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
	M/s R. S. Infra projects Pvt Limited & M/s Skipper Ltd.	Sub Station	30.10.2024	183.80	51.94	26.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	281.75	-
		OPGW	30.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
Asset-2	M/s R. S. Infra projects Pvt Limited	Communication System excl. OPGW I. T Equipment incl. software, UNIMS, URTDSM, EMS, Cyber Security System, REMC, WAMS, SCADA	30.10.2024	3.68	1.05	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.26	
	M/s R. S. Infra projects Pvt Limited		30.10.2024	2.24	0.64 *	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.02	
			30.10.2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-



Name of the Transmission Licensee:	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (AC		
Element Description	220 kV Line Bay(Bay No. 213) for interconnection of M/s Prerak Greentech Pvt. Ltd.		
Region	Corporate Centre	DOCO Date	Oct 22, 2024

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Year Days	365.00	365.00	365.00	366.00	365.00
Tariff Days	161.00	365.00	365.00	366.00	365.00
Depreciation-Form No. 10A	19.02	50.45	52.83	53.63	53.63
Interest on Loan-Form No. 9E	21.66	54.99	53.87	50.76	46.69
Return on Equity-Form No. 8	22.57	59.91	62.78	63.73	63.73
Int. on Working capital-Form No.11	1.73	4.34	4.50	4.57	4.63
Op. and maintenance-Form No.2	18.23	43.50	45.80	48.20	50.72
Total AFC	83.21	213.19	219.78	220.89	219.40

(Petitioner)



Summary of Asset Level Cost

Form No. - 1A

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Gree		
Element Description	220 kV Line Bay(Bay No. 213) for interconnection of M/s Prerak Greentech Pvt. Ltd.		
Region	Corporate Centre	DOCO Date	Oct 22, 2024

A) Summary of Capital Cost, Means of Finance of the Asset

(Amount in Rs. Lakh)

Particular	i) Apportioned Approved Cost		ii) Summary of Actual / Projected Capital Expenditure incurred						
	As Per IA	As per RCE	As on COD / 01.04.2024	2024-25	2025-26	2026-27	2027-28	2028-29	As on 31.03.2029
Land (Freehold Land)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building & Civil Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	0.00	0.00	867.11	183.81	51.94	26.01	0.00	0.00	1,128.87
Comm. Sys. excluding Fiber Optic	0.00	0.00	11.64	3.68	1.05	0.53	0.00	0.00	16.90
Land (Leasehold)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IT/Software/UNMS/URTDMS/	0.00	0.00	19.96	2.24	0.64	0.14	0.00	0.00	22.98
Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Capital Cost as per Books	0.00	0.00	898.71	189.73	53.63	26.68	0.00	0.00	1,168.75
Less: Liability	0.00	0.00	85.83	0.00	0.00	0.00	0.00	0.00	0.00
Add: discharge of liability	0.00	0.00	0.00	61.03	16.56	8.24	0.00	0.00	0.00
De cap During Year As per Books	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Capital incurred	0.00	0.00	812.88	250.76	70.19	34.92	0.00	0.00	1,168.75
Equity	387.71	0.00	243.86	75.23	21.06	10.48	0.00	0.00	350.63
Debt	904.66	0.00	569.02	175.53	49.13	24.44	0.00	0.00	818.12



Name of the Transmission Licensee		Power Grid Bikaner Transmission System Ltd	
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Gree		
Element Description	220 kV Line Bay(Bay No. 213) for interconnection of M/s Prerak Greentech Pvt. Ltd.		
Region	Corporate Centre	DOCO Date	Oct 22, 2024

1. Transmission Lines

(Amount in Rs. Lakh)

Summary:



2. Sub Station

Name of Sub-station	Type of Substation	Voltage Level KV	No. of Transformers/ Reactor/ SVC etc. (with capacity)	No. of Bays				MVA/MVAR Capacity				Date of Comm. operation	Covered in the present petition Yes/No
				765 KV	400 KV	220 KV	132 KV	765 KV	400 KV	220 KV	132 KV		
:LINE BAY	Conventional	220 KV				2,000						Oct 22, 2024	Y

Summary:

O&M Expenses For Substations Covered in the instant petition							
220KV SUB-STATION							
Normative Rate of O&M as per Regulation		20.67	21.75	22.90	24.10	25.36	
No. of Units		2.00	2.00	2.00	2.00	2.00	
O&M Claimed		18.23	43.50	45.80	48.20	50.72	



3. Communication System

Summary:



Summary of O&M Expenses claim

(Amount in Rs. Lakh)

Particular	2024-25	2025-26	2026-27	2027-28	2028-29
A) Normative O&M					
Transmission Line	0.00	0.00	0.00	0.00	0.00
Substation	18.23	43.50	45.80	48.20	50.72
Communication System	0.00	0.00	0.00	0.00	0.00
Total Normative O&M	18.23	43.50	45.80	48.20	50.72
B) O&M Claimed under Regulation 35 (3)(C) (* The same is not being claimed and will be claimed through separate Petition)					
*Security Expenses	0.00	0.00	0.00	0.00	0.00
*Actual Capital Spare consumed	0.00	0.00	0.00	0.00	0.00
*Insurance Premium Paid	0.00	0.00	0.00	0.00	0.00
Total O&M	18.23	43.50	45.80	48.20	50.72

(Petitioner)



Normative parameters considered for tariff computations

Form No. - 3

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (AC		
Element Description	220 kV Line Bay(Bay No. 213) for interconnection of M/s Prerak Greentech Pvt. Ltd.		
Region	Corporate Centre	DOCO Date	Oct 22, 2024

(Amount in Rs. Lakh)

Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Base Rate of Return of Equity (in %)						
Tax Rate (in %)	17.472	17.472	17.472	17.472	17.472	17.472
Effective tax rate (in %)						
Grossed up Rate for ROE of 15.5% (in %)	18.782	18.782	18.782	18.782	18.782	18.782
Grossed up Rate for ROE of 15.0% (in %)	18.176	18.176	18.176	18.176	18.176	18.176
Target availability - AC System (in %)	98.00	98.00	98.00	98.00	98.00	98.00
Target availability - HVDC System (in %)	96.00	96.00	96.00	96.00	96.00	96.00
Norms for sub-station Bays (Rs Lakh per bay)						
765 kV	51.68	41.34	43.51	45.79	48.20	50.73
400 kV	36.91	29.53	31.08	32.71	34.43	36.23
220 kV	25.84	20.67	21.75	22.90	24.10	25.36
132 kV and below	18.46	15.78	16.61	17.48	18.40	19.35
Norms for Transformers (Rs Lakh per MVA)						
765 kV	0.564	0.262	0.276	0.29	0.305	0.322
400 kV	0.411	0.262	0.276	0.29	0.305	0.322
220 kV	0.282	0.262	0.276	0.29	0.305	0.322
132 kV and below	0.282	0.262	0.276	0.29	0.305	0.322
Norms for Reactor (Rs Lakh per MVAR)						
765 kV	0.00	0.262	0.276	0.29	0.305	0.322
400 kV	0.00	0.262	0.276	0.29	0.305	0.322



220 kV	0.00	0.262	0.276	0.29	0.305	0.322
132 kV and below	0.00	0.262	0.276	0.29	0.305	0.322
Norms for AC and HVDC lines (Rs Lakh per km)						
Single Circuit (Bundled Conductor with six or more sub-conductors)	1.011	0.861	0.906	0.953	1.003	1.056
Single Circuit (Bundled conductor with four sub-conductors)	0.867	0.738	0.776	0.817	0.86	0.905
Single Circuit (Twin & Triple Conductor)	0.578	0.492	0.518	0.545	0.573	0.603
Single Circuit (Single Conductor)	0.289	0.246	0.259	0.272	0.287	0.302
Double Circuit (Bundled conductor with four or more sub-conductors)	1.517	1.291	1.359	1.43	1.506	1.585
Double Circuit (Twin & Triple Conductor)	1.011	0.861	0.906	0.953	1.003	1.056
Double Circuit (Single Conductor)	0.433	0.369	0.388	0.409	0.43	0.453
Multi Circuit (Bundled Conductor with four or more sub-conductor)	2.662	2.266	2.385	2.51	2.642	2.781
Multi Circuit (Twin & Triple Conductor)	1.773	1.509	1.588	1.671	1.759	1.851
Norms for HVDC stations (Rs Lakh/MW)						
HVDC bipole scheme (Rs Lakh/MW)	0.00	1.04	1.10	1.16	1.22	1.28
HVDC Back-to-Back stations (Rs Lakh/MW) (Except Gazuwaka BTB)	0.00	2.07	2.18	2.30	2.42	2.55
Gazuwaka HVDC Back-to-Back station (Rs Lakh/MW)	0.00	1.83	1.92	2.03	2.13	2.24

(Petitioner)



Statement of Capital cost

Form No. - 4A

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Gree		
Element Description	220 kV Line Bay(Bay No. 213) for interconnection of M/s Prerak Greentech Pvt. Ltd.		
Region	Corporate Centre	DOCO Date	Oct 22, 2024

A) Capital Cost

(Amount in Rs. Lakh)

Particular	Accrual Basis	Un-discharged Liabilities	Cash Basis
As on relevant date :2024-25			
a) Opening Gross Block Amount as per books	898.71	85.83	812.88
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	20.72	2.44	18.28
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	44.26	0.00	44.26
a) Addition in Gross Block Amount during the period	189.73	0.00	189.73
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in B(a) above	0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	0.00	0.00	0.00
d) De-cap in gross block amount during the year	0.00	0.00	0.00
a) Closing Gross Block Amount as per books	1,088.44	24.80	1,063.64
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	20.72	0.00	20.72
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost)included in C(a) above	44.26	0.00	44.26

As on relevant date :2025-26

a) Opening Gross Block Amount as per books	1,088.44	24.80	1,063.64
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	20.72	0.00	20.72



c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	44.26	0.00	44.26
a) Addition in Gross Block Amount during the period	53.63	0.00	53.63
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in B(a) above	0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	0.00	0.00	0.00
d) De-cap in gross block amount during the year	0.00	0.00	0.00
a) Closing Gross Block Amount as per books	1,142.07	8.24	1,133.83
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	20.72	0.00	20.72
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	44.26	0.00	44.26
As on relevant date :2026-27			
a) Opening Gross Block Amount as per books	1,142.07	8.24	1,133.83
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	20.72	0.00	20.72
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	44.26	0.00	44.26
a) Addition in Gross Block Amount during the period	26.68	0.00	26.68
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in B(a) above	0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	0.00	0.00	0.00
d) De-cap in gross block amount during the year	0.00	0.00	0.00
a) Closing Gross Block Amount as per books	1,168.75	0.00	1,168.75
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	20.72	0.00	20.72
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	44.26	0.00	44.26

As on relevant date :2027-28

a) Opening Gross Block Amount as per books	1,168.75	0.00	1,168.75
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	20.72	0.00	20.72
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	44.26	0.00	44.26

a) Addition in Gross Block Amount during the period		0.00	0.00	0.00
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in B(a) above		0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above		0.00	0.00	0.00
d) De-cap in gross block amount during the year		0.00	0.00	0.00

a) Closing Gross Block Amount as per books*	1,168.75	0.00	1,168.75
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	20.72	0.00	20.72
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	44.26	0.00	44.26

As on relevant date :2028-29

a) Opening Gross Block Amount as per books	1,168.75	0.00	1,168.75
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	20.72	0.00	20.72
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	44.26	0.00	44.26

a) Addition in Gross Block Amount during the period	0.00	0.00	0.00
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in B(a) above	0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	0.00	0.00	0.00
d) De-cap in gross block amount during the year	0.00	0.00	0.00

a) Closing Gross Block Amount as per books	1,168.75	0.00	1,168.75
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	20.72	0.00	20.72
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	44.26	0.00	44.26

Flow of liability for the Asset



(Amount in Rs. Lakh)

Particular	2024-2025	2025-2026	2026-2027				
Opening balance of liability	85.83	24.80	8.24	0.00	0.00	0.00	0.00
Add: Liability from ACE	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Discharge of liability by payment and claimed as ACE	61.03	16.56	8.24	0.00	0.00	0.00	0.00	0.00	0.00
Reversal/cancelation (to be entered)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Closing Balance of Admitted liability	24.80	8.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(Petitioner)



Financial Package upto COD

Form No. - 6

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (AC		
Element Description	220 kV Line Bay(Bay No. 213) for interconnection of M/s Prerak Greentech Pvt. Ltd.		
Region	Corporate Centre	DOCO Date	Oct 22, 2024

(Amount in Rs. Lakh)

Particulars	Financial Package as Approved		Financial Package as on COD 01/04/2024		As Admitted on COD 01/04/2024	
	Currency	Amount	Currency	Amount	Currency	Amount
Loans		0.00		0.00		0.00
Loan-Domestic		0.00		0.00		0.00
Loan-Foreign		0.00		0.00		0.00
Total Loans	INR	904.66	INR	569.02		0.00
Equity		0.00		0.00		0.00
Foreign		0.00		0.00		0.00
Domestic	INR	387.71	INR	243.86		0.00
Total Equity	INR	387.71	INR	243.86		0.00
Debt Equity Ratio					70:30	
Total Cost	INR	1,292.37	INR	812.88		0.00

Particulars	Debt	Equity	Total
Addcap for 2024 - 2025			250.76
Addcap for 2025 - 2026			70.19
Addcap for 2026 - 2027			34.92
Addcap for 2027 - 2028			0.00



Addcap for 2028 - 2029			0.00	
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Particulars	Actual	Normative	
Addcap for 2024 - 2025			
Equity		75.23	
Debt		175.53	
Total		250.76	
Addcap for 2025 - 2026			
Equity		21.06	
Debt		49.13	
Total		70.19	
Addcap for 2026 - 2027			
Equity		10.48	
Debt		24.44	
Total		34.92	
Addcap for 2027 - 2028			
Equity		0.00	
Debt		0.00	
Total		0.00	
Addcap for 2028 - 2029			
Equity		0.00	
Debt		0.00	
Total		0.00	
Total Capital cost with Addcap		1,168.75	



(Petitioner)

Statement of Additional Capitalisation after COD

Form No. - 7

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (AC		
Element Description	220 kV Line Bay(Bay No. 213) for interconnection of M/s Prerak Greentech Pvt. Ltd.		
Region	Corporate Centre	DOCO Date	Oct 22, 2024

(Amount in Rs. Lakh)

Particulars	Addition into Gross Block as per books of Account during the year (2)	De-Cap into Gross Block as per books of Account during the year	Less: Deductions dr. the year towards				Add: Discharge of earlier admitted liability	ACE on cash basis for tariff purpose	Admitted Cost in final tariff (Rs Lakh)
			Grants Received (if any) (3)	Asset pertaining to other businesses (If any) (4)	Other Deduction (if any) (5)	Less: Undischarged liability included in (2-4-5)			
ACE for the year :2024-25 (Actual/Projected)									
Land (Freehold Land)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building & Civil Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	183.81	0.00	0.00	0.00	0.00	0.00	59.18	242.99	0.00
Comm. Sys. excluding Fiber Optic	3.68	0.00	0.00	0.00	0.00	0.00	0.69	4.37	0.00
Land (Leasehold)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IT/Software/UNMS/URTDMS/SCADA,etc	2.24	0.00	0.00	0.00	0.00	0.00	1.16	3.40	0.00
Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	189.73	0.00	0.00	0.00	0.00	0.00	61.03	250.76	0.00
ACE for the year :2025-26 (Actual/Projected)									



Land (Freehold Land)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building & Civil Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	51.94	0.00	0.00	0.00	0.00	0.00	16.06	68.00	0.00
Comm. Sys. excluding Fiber Optic	1.05	0.00	0.00	0.00	0.00	0.00	0.19	1.24	0.00
Land (Leasehold)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IT/Software/UNMS/URTDMS/SCADA,etc	0.64	0.00	0.00	0.00	0.00	0.00	0.31	0.95	0.00
Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	53.63	0.00	0.00	0.00	0.00	0.00	16.56	70.19	0.00
ACE for the year :2026-27 (Actual/Projected)									
Land (Freehold Land)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building & Civil Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	26.01	0.00	0.00	0.00	0.00	0.00	7.99	34.00	0.00
Comm. Sys. excluding Fiber Optic	0.53	0.00	0.00	0.00	0.00	0.00	0.09	0.62	0.00
Land (Leasehold)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IT/Software/UNMS/URTDMS/SCADA,etc	0.14	0.00	0.00	0.00	0.00	0.00	0.16	0.30	0.00
Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	26.68	0.00	0.00	0.00	0.00	0.00	8.24	34.92	0.00
ACE for the year :2027-28 (Actual/Projected)									
Land (Freehold Land)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building & Civil Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comm. Sys. excluding Fiber Optic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Land (Leasehold)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IT/Software/UNMS/URTDMS/SCADA,etc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ACE for the year :2028-29 (Actual/Projected)									
Land (Freehold Land)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building & Civil Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comm. Sys. excluding Fiber Optic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Land (Leasehold)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IT/Software/UNMS/URTDMS/SCADA,etc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(Petitioner)



Financing of Additional Capitalisation

Form No. - 7A

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd	
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Gree	
Element Description	220 kV Line Bay(Bay No. 213) for interconnection of M/s Prerak Greentech Pvt. Ltd.	
Region	Corporate Centre	DOCO Date Oct 22, 2024

(Amount in Rs. Lakh)

Financial Year (Starting of COD)	Actual/Projected					Admitted				
	2024-25	2025-26	2026-27	2027-28	2028-29	2024-25	2025-26	2026-27	2027-28	2028-29
Amount capitalized in Work/ Equipment										
Financing Details										
Total Loan	175.53	49.13	24.44	0.00	0.00					
Equity	75.23	21.06	10.48	0.00	0.00					
Total	250.76	70.19	34.92	0.00	0.00					



(Petitioner)

Calculation of ROE

Form No. - 8

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (AC		
Element Description	220 kV Line Bay(Bay No. 213) for interconnection of M/s Prerak Greentech Pvt. Ltd.		
Region	Corporate Centre	DOCO Date	Oct 22, 2024

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
No. of Days in the year	365.00	365.00	365.00	366.00	365.00
No. of days for which tariff claimed	161.00	365.00	365.00	366.00	365.00
Opening Normative Equity	243.86	319.09	340.15	350.63	350.63
Less: Adjustment in Equity*	0.00	0.00	0.00	0.00	0.00
Adjustment during the year	0.00	0.00	0.00	0.00	0.00
Net opening equity (Normal)	243.86	319.09	340.15	350.63	350.63
Add: Increase in Equity due to addition during the year / period	56.92	16.09	8.01	0.00	0.00
Less: Decrease due to de-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
Add: Increase due to discharge during the year / period	18.31	4.97	2.47	0.00	0.00
Closing Normative Equity	319.09	340.15	350.63	350.63	350.63
Average Normative Equity	281.48	329.62	345.39	350.63	350.63
Rate of return on Equity (%)	18.176	18.176	18.176	18.176	18.176
Reduced rate of 1% decided by commission under Regulation 30(2) (if any)	0.00	0.00	0.00	0.00	0.00
Effective rate of ROE	15.00	15.00	15.00	15.00	15.00
MAT/Corporate Rate	17.472	17.472	17.472	17.472	17.472
Grossed up rate of ROE	18.176	18.176	18.176	18.176	18.176
Return on Equity	51.16	59.91	62.78	63.73	63.73
Pro rata return on Equity	22.57	59.91	62.78	63.73	63.73

(Petitioner)



Calculation of WAR of interest on actual loan

Form No. - 9C

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (AC		
Element Description	220 kV Line Bay(Bay No. 213) for interconnection of M/s Prerak Greentech Pvt. Ltd.		
Region	Corporate Centre	DOCO Date	Oct 22, 2024

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Loan 1 PBTSL (BOND LXXII) -DOCO LOAN 1					
Gross Loan- Opening	2.74	2.74	2.74	2.74	2.74
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.11	0.34
Net loan-Opening	2.74	2.74	2.74	2.63	2.40
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	0.11	0.23	0.23
Net Loan-Closing	2.74	2.74	2.63	2.40	2.17
Average Net Loan	2.74	2.74	2.69	2.52	2.29
Rate of Interest on Loan on Annual Basis	7.56	7.56	7.56	7.56	7.56
Interest on loan	0.2071	0.2071	0.2034	0.1905	0.1731

Loan 2 PBTSL (BOND LXXIII) -DOCO LOAN 2					
Gross Loan- Opening	1.07	1.07	1.07	1.07	1.07
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.04	0.13
Net loan-Opening	1.07	1.07	1.07	1.03	0.94
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	0.04	0.09	0.09
Net Loan-Closing	1.07	1.07	1.03	0.94	0.85



Average Net Loan	1.07	1.07	1.05	0.99	0.90
Rate of Interest on Loan on Annual Basis	7.50	7.50	7.50	7.50	7.50
Interest on loan	0.0803	0.0803	0.0788	0.0743	0.0675

Loan 3 PBTSL (BOND-LXXIV) -DOCO LOAN 3

Gross Loan- Opening	36.99	36.99	36.99	36.99	36.99
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	1.55	4.64
Net loan-Opening	36.99	36.99	36.99	35.44	32.35
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	1.55	3.09	3.09
Net Loan-Closing	36.99	36.99	35.44	32.35	29.26
Average Net Loan	36.99	36.99	36.22	33.90	30.81
Rate of Interest on Loan on Annual Basis	7.70	7.70	7.70	7.70	7.70
Interest on loan	2.8482	2.8482	2.7889	2.6103	2.3724

Loan 4 PBTSL (BOND LXXV) -DOCO LOAN 4

Gross Loan- Opening	152.11	152.11	152.11	152.11	152.11
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	6.36	19.07
Net loan-Opening	152.11	152.11	152.11	145.75	133.04
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	6.36	12.72	12.72
Net Loan-Closing	152.11	152.11	145.75	133.03	120.32
Average Net Loan	152.11	152.11	148.93	139.39	126.68
Rate of Interest on Loan on Annual Basis	7.65	7.65	7.65	7.65	7.65
Interest on loan	11.6364	11.6364	11.3931	10.6633	9.691



Loan 5 PBTSL (SBI_LOC_IV) -DOCO LOAN 9

Gross Loan- Opening	0.89	0.89	0.89	0.89	0.89
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.04	0.11
Net loan-Opening	0.89	0.89	0.89	0.85	0.78
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	0.04	0.07	0.07
Net Loan-Closing	0.89	0.89	0.85	0.78	0.71
Average Net Loan	0.89	0.89	0.87	0.82	0.75
Rate of Interest on Loan on Annual Basis	8.40	8.40	8.40	8.40	8.40
Interest on loan	0.0748	0.0748	0.0731	0.0689	0.063

PBTSL loan (BOND-LXXVI) -DOCO LOAN 5

Gross Loan- Opening	5.39	5.39	5.39	5.39	5.39
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.23	0.68
Net loan-Opening	5.39	5.39	5.39	5.16	4.71
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	0.23	0.45	0.45
Net Loan-Closing	5.39	5.39	5.16	4.71	4.26
Average Net Loan	5.39	5.39	5.28	4.94	4.49
Rate of Interest on Loan on Annual Basis	7.35	7.35	7.35	7.35	7.35
Interest on loan	0.3962	0.3962	0.3881	0.3631	0.33

PBTSL loan (BOND-LXXVII) -DOCO LOAN 6

Gross Loan- Opening	278.93	278.93	278.93	278.93	278.93
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	11.66	34.98
Net loan-Opening	278.93	278.93	278.93	267.27	243.95



Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	11.66	23.32	23.32
Net Loan-Closing	278.93	278.93	267.27	243.95	220.63
Average Net Loan	278.93	278.93	273.10	255.61	232.29
Rate of Interest on Loan on Annual Basis	7.55	7.55	7.55	7.55	7.55
Interest on loan	21.0592	21.0592	20.6191	19.2986	17.5379

PBTSL loan (BOND-LXXVIII) -DOCO LOAN 7

Gross Loan- Opening	68.95	68.95	68.95	68.95	68.95
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	2.88	8.65
Net loan-Opening	68.95	68.95	68.95	66.07	60.30
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	2.88	5.76	5.76
Net Loan-Closing	68.95	68.95	66.07	60.31	54.54
Average Net Loan	68.95	68.95	67.51	63.19	57.42
Rate of Interest on Loan on Annual Basis	7.38	7.38	7.38	7.38	7.38
Interest on loan	5.0885	5.0885	4.9822	4.6634	4.2376

PBTSL Loan (Bond LXXIX) -ACCRUAL IDC LOAN

Gross Loan- Opening	0.00	1.71	1.71	1.71	1.71
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.07	0.21
Net loan-Opening	0.00	1.71	1.71	1.64	1.50
Add: Drawl(s) during the year	1.71	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	0.07	0.14	0.14
Net Loan-Closing	1.71	1.71	1.64	1.50	1.36
Average Net Loan	0.86	1.71	1.68	1.57	1.43



Rate of Interest on Loan on Annual Basis	7.08	7.08	7.08	7.08	7.08
Interest on loan	0.0609	0.1211	0.1189	0.1112	0.1012

PBTSL Loan (Canara-02) -DOCO LOAN 8

Gross Loan- Opening	21.85	21.85	21.85	21.85	21.85
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.91	2.73
Net loan-Opening	21.85	21.85	21.85	20.94	19.12
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	0.91	1.82	1.82
Net Loan-Closing	21.85	21.85	20.94	19.12	17.30
Average Net Loan	21.85	21.85	21.40	20.03	18.21
Rate of Interest on Loan on Annual Basis	8.15	8.15	8.15	8.15	8.15
Interest on loan	1.7808	1.7808	1.7441	1.6324	1.4841

Summary

Gross Loan- Opening	568.92	570.63	570.63	570.63	570.63
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	23.85	71.54
Net loan-Opening	568.92	570.63	570.63	546.78	499.09
Add: Drawl(s) during the year	1.71	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	23.85	47.69	47.69
Net Loan-Closing	570.63	570.63	546.78	499.09	451.40
Average Net Loan	569.78	570.63	558.73	522.96	475.27
Rate of Interest on Loan on Annual Basis	7.5876	7.5868	7.5868	7.5868	7.5868
Interest on loan	43.2324	43.2926	42.3897	39.676	36.0578



(Petitioner)

Calculation of interest on Normative loan

Form No. - 9E

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (AC		
Element Description	220 kV Line Bay(Bay No. 213) for interconnection of M/s Prerak Greentech Pvt. Ltd.		
Region	Corporate Centre	DOCO Date	Oct 22, 2024

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
No. of Days in the Year	365.00	365.00	365.00	366.00	365.00
No. of days for which Tariff claimed	161.00	365.00	365.00	366.00	365.00
Gross normative loan-Opening	569.02	744.55	793.68	818.12	818.12
Cumulative repayments of Normative loan upto previous year	0.00	19.02	69.47	122.30	175.93
Net normative loan-Opening	569.02	725.53	724.21	695.82	642.19
Addition in normative loan towards the ACE	175.53	49.13	24.44	0.00	0.00
Adjustment of normative gross loan pertaining to the decapitalised asset	0.00	0.00	0.00	0.00	0.00
Normative repayments of normative loan during the year	19.02	50.45	52.83	53.63	53.63
Adjustment of cumulative repayment pertaining to the decapitalised asset	0.00	0.00	0.00	0.00	0.00
Net normative loan - closing	725.53	724.21	695.82	642.19	588.56
Average normative loan	647.28	724.87	710.02	669.01	615.38
Weighted Average Rate of interest on actual loan	7.5876	7.5868	7.5868	7.5868	7.5868
Interest on normative loan	49.11	54.99	53.87	50.76	46.69
Pro rata interest on normative loan	21.66	54.99	53.87	50.76	46.69

(Petitioner)



Calculation of Depreciation Rate on Original Project Cost

Form No. - 10

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (AC		
Element Description	220 kV Line Bay(Bay No. 213) for interconnection of M/s Prerak Greentech Pvt. Ltd.		
Region	Corporate Centre	DOCO Date	Oct 22, 2024

(Amount in Rs. Lakh)

Name of Assets	Gross block at the beginning of the year	Add Cap during the year	Gross block at the end of the year	Average Gross Block	Depreciation Rate as per CERC's Depreciation Rate Schedule	Depreciation Amount for each year upto 31.03.2029
2024-25						
Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00
Civil & Building	0.00	0.00	0.00	0.00	3.34	0.00
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	783.88	242.99	1,026.87	905.38	4.22	16.85
Comm. Sys. excluding Fiber Optic	10.67	4.37	15.04	12.86	15.00	0.85
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDSM/SCADA,etc	18.33	3.40	21.73	20.03	15.00	1.32
Batteries	0.00	0.00	0.00	0.00	9.50	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	6.33	0.00
TOTAL	812.88	250.76	1,063.64	938.27	0.00	19.02
Weighted Average Rate of Depreciation(%)					2.027135	

2025-26						
Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00



Civil & Building	0.00	0.00	0.00	0.00	3.34	0.00
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	1,026.87	68.00	1,094.87	1,060.87	4.22	44.77
Comm. Sys. excluding Fiber Optic	15.04	1.24	16.28	15.66	15.00	2.35
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDMS/SCADA,etc	21.73	0.95	22.68	22.21	15.00	3.33
Batteries	0.00	0.00	0.00	0.00	9.50	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	6.33	0.00
TOTAL	1,063.64	70.19	1,133.83	1,098.74	0.00	50.45
Weighted Average Rate of Depreciation(%)					4.591623	

2026-27						
Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00
Civil & Building	0.00	0.00	0.00	0.00	3.34	0.00
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	1,094.87	34.00	1,128.87	1,111.87	4.22	46.92
Comm. Sys. excluding Fiber Optic	16.28	0.62	16.90	16.59	15.00	2.49
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDMS/SCADA,etc	22.68	0.30	22.98	22.83	15.00	3.42
Batteries	0.00	0.00	0.00	0.00	9.50	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	6.33	0.00
TOTAL	1,133.83	34.92	1,168.75	1,151.29	0.00	52.83
Weighted Average Rate of Depreciation(%)					4.588766	



2027-28						
Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00
Civil & Building	0.00	0.00	0.00	0.00	3.34	0.00
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	1,128.87	0.00	1,128.87	1,128.87	4.22	47.64
Comm. Sys. excluding Fiber Optic	16.90	0.00	16.90	16.90	15.00	2.54
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDISM/SCADA,etc	22.98	0.00	22.98	22.98	15.00	3.45
Batteries	0.00	0.00	0.00	0.00	9.50	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	6.33	0.00
TOTAL	1,168.75	0.00	1,168.75	1,168.75	0.00	53.63
Weighted Average Rate of Depreciation(%)					4.588663	

2028-29						
Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00
Civil & Building	0.00	0.00	0.00	0.00	3.34	0.00
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	1,128.87	0.00	1,128.87	1,128.87	4.22	47.64
Comm. Sys. excluding Fiber Optic	16.90	0.00	16.90	16.90	15.00	2.54
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDISM/SCADA,etc	22.98	0.00	22.98	22.98	15.00	3.45
Batteries	0.00	0.00	0.00	0.00	9.50	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	6.33	0.00
TOTAL	1,168.75	0.00	1,168.75	1,168.75	0.00	53.63



Weighted Average Rate of Depreciation(%)					4.588663	
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(Petitioner)



Statement of Depreciation

Form No. - 10A

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (AC		
Element Description	220 kV Line Bay(Bay No. 213) for interconnection of M/s Prerak Greentech Pvt. Ltd.		
Region	Corporate Centre	DOCO Date	Oct 22, 2024

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
No of Days in the year	365.00	365.00	365.00	366.00	365.00
No of days for which tariff claimed	161.00	365.00	365.00	366.00	365.00
Life at the beginning of the year					
1.1 Weighted Average useful life of the Asset/ Project	24.00	24.00	24.00	24.00	24.00
1.2 Lapsed Weighted Average useful life of the Asset/Project(in completed no. of year)	0.00	0.00	1.00	2.00	3.00
1.3 Balance Weighted Average useful life of the Asset/Project(in completed no. of year)	24.00	24.00	23.00	22.00	21.00
Capital Base					
1.4 Opening capital cost	812.88	1,063.64	1,133.83	1,168.75	1,168.75
1.5 Additional Capital Expenditure dr. the year	250.76	70.19	34.92	0.00	0.00
1.6 De-Capitalisation During the year	0.00	0.00	0.00	0.00	0.00
1.7 Closing capital cost	1,063.64	1,133.83	1,168.75	1,168.75	1,168.75
1.8 Average capital cost	938.27	1,098.74	1,151.29	1,168.75	1,168.75
1.9 Freehold land included in 1.8	0.00	0.00	0.00	0.00	0.00
1.10 Asset having NIL salvage value included in 1.8	20.03	22.21	22.83	22.98	22.98
1.11 Asset having 10% salvage value included in 1.8	918.24	1,076.53	1,128.46	1,145.77	1,145.77
1.12 Depreciable Value(1.10+90% of 1.11)	846.44	991.08	1,038.44	1,054.17	1,054.17
Depreciation for the period and Cum. Depreciation					
1.13 Weighted Average Rate of depreciation	2.027135	4.591623	4.588766	4.588663	4.588663



1.14 Depreciation(for the period)	19.02	50.45	52.83	53.63	53.63
1.15 Depreciation(Annualised)	19.02	50.45	52.83	53.63	53.63
Unrecovered Depreciation for DECAP	0.00	0.00	0.00	0.00	0.00
1.16 Cumulative depreciation at the beginning of the period	0.00	19.02	69.47	122.30	175.93
1.17 Less:Adj of Cum. Dep pertaining to decapitalised Asset	0.00	0.00	0.00	0.00	0.00
1.18 Cumulative depreciation at the end of the period	19.02	69.47	122.30	175.93	229.56

(Petitioner)



Calculation of interest on working Capital

Form No. - 11

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (AC		
Element Description	220 kV Line Bay(Bay No. 213) for interconnection of M/s Prerak Greentech Pvt. Ltd.		
Region	Corporate Centre	DOCO Date	Oct 22, 2024

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
No of Days in the year	365.00	365.00	365.00	366.00	365.00
No of days for which tariff claimed	161.00	365.00	365.00	366.00	365.00
O&M Expenses-one month	3.45	3.63	3.82	4.02	4.23
Maintenance spares 15% of O&M Expenses	6.20	6.53	6.87	7.23	7.61
Receivables equivalent to 45 days of AFC	23.26	26.28	27.09	27.16	27.05
Total Working capital	32.91	36.44	37.78	38.41	38.89
Bank Rate as on 01.04.2024 or as on 01st April of the COD year,whichever is later.	11.90	11.90	11.90	11.90	11.90
Interest on working capital	3.92	4.34	4.50	4.57	4.63
Pro rata interest on working capital	1.73	4.34	4.50	4.57	4.63

(Petitioner)



Drawdown schedule Calculation of IDC & Financing Charges

Form No. - 12B

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Gree		
Element Description	220 kV Line Bay(Bay No. 213) for interconnection of M/s Prerak Greentech Pvt. Ltd.		
Region	Corporate Centre	DOCO Date	Oct 22, 2024

(Amount in Rs. Lakh)

Particulars	Quarter 1		Quarter 2		Quarter n (COD)	
	Quantum in FC	Ex. Rate on Drawn Date	Quantum in FC	Ex. Rate on Drawn Date	Quantum in FC	Ex. Rate on Drawn Date
Loans						
Foreign Loans						
Total of Foreign Loans						
Indian Loans						
Loan 1 PBTS (BOND LXXII) -DOCO LOAN 1						
Draw Down Account						2.74
IDC						
Financing Charges						
Loan 2 PBTS (BOND LXXIII) -DOCO LOAN 2						



[illegible]

Summary of Tariff

Form No. - 1

Name of the Transmission Licensee:		Power Grid Bikaner Transmission System Ltd	
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (AC		
Element Description	220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)		
Region	Corporate Centre	DOCO Date	Oct 30, 2024

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Year Days	365.00	365.00	365.00	366.00	365.00
Tariff Days	153.00	365.00	365.00	366.00	365.00
Depreciation-Form No. 10A	18.07	50.43	52.81	53.59	53.59
Interest on Loan-Form No. 9E	20.16	53.91	52.81	49.77	45.78
Return on Equity-Form No. 8	21.43	59.88	62.75	63.70	63.70
Int. on Working capital-Form No.11	1.63	4.32	4.48	4.56	4.61
Op. and maintenance-Form No.2	17.33	43.50	45.80	48.20	50.72
Total AFC	78.62	212.04	218.65	219.82	218.40

(Petitioner)



Summary of Asset Level Cost

Form No. - 1A

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Gree		
Element Description	220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)		
Region	Corporate Centre	DOCO Date	Oct 30, 2024

A) Summary of Capital Cost, Means of Finance of the Asset

(Amount in Rs. Lakh)

Particular	i) AppORTioned Approved Cost		ii) Summary of Actual / Projected Capital Expenditure incurred						
	As Per IA	As per RCE	As on COD / 01.04.2024	2024-25	2025-26	2026-27	2027-28	2028-29	As on 31.03.2029
Land (Freehold Land)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building & Civil Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	0.00	0.00	866.56	183.80	51.94	26.01	0.00	0.00	1,128.31
Comm. Sys. excluding Fiber Optic	0.00	0.00	11.64	3.68	1.05	0.53	0.00	0.00	16.90
Land (Leasehold)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IT/Software/UNMS/URTDMS/	0.00	0.00	19.93	2.24	0.64	0.14	0.00	0.00	22.95
Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Capital Cost as per Books	0.00	0.00	898.13	189.72	53.63	26.68	0.00	0.00	1,168.16
Less: Liability	0.00	0.00	85.76	0.00	0.00	0.00	0.00	0.00	0.00
Add: discharge of liability	0.00	0.00	0.00	60.96	16.56	8.24	0.00	0.00	0.00
Cap During Year As per Books	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Capital incurred	0.00	0.00	812.37	250.68	70.19	34.92	0.00	0.00	1,168.16
Equity	387.71	0.00	243.71	75.20	21.06	10.48	0.00	0.00	350.45
Debt	904.66	0.00	568.66	175.48	49.13	24.44	0.00	0.00	817.71



Name of the Transmission Licensee		Power Grid Bikaner Transmission System Ltd	
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Gree		
Element Description	220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)		
Region	Corporate Centre	DOCO Date	Oct 30, 2024

1. Transmission Lines

(Amount in Rs. Lakh)

Summary:



2. Sub Station

Name of Sub-station	Type of Substation	Voltage Level KV	No. of Transformer/ Reactor/ SVC etc. (with capacity)	No. of Bays				MVA/MVAR Capacity				Date of Comm. operation	Covered in the present petition
				765 KV	400 KV	220 KV	132 KV	765 KV	400 KV	220 KV	132 KV		
:LINE BAY	Conventional	220 KV				2.000						Oct 30, 2024	Y

Summary:

O&M Expenses For Substations Covered in the instant petition						
220KV SUB-STATION						
Normative Rate of O&M as per Regulation	20.67	21.75	22.90	24.10	25.36	
No. of Units	2.00	2.00	2.00	2.00	2.00	
O&M Claimed	17.33	43.50	45.80	48.20	50.72	



3. Communication System

Summary:



Summary of O&M Expenses claim

(Amount in Rs. Lakh)

Particular	2024-25	2025-26	2026-27	2027-28	2028-29
A) Normative O&M					
Transmission Line	0.00	0.00	0.00	0.00	0.00
Substation	17.33	43.50	45.80	48.20	50.72
Communication System	0.00	0.00	0.00	0.00	0.00
Total Normative O&M	17.33	43.50	45.80	48.20	50.72
B) O&M Claimed under Regulation 35 (3)(C) (* The same is not being claimed and will be claimed through separate Petition)					
*Security Expenses	0.00	0.00	0.00	0.00	0.00
*Actual Capital Spare consumed	0.00	0.00	0.00	0.00	0.00
*Insurance Premium Paid	0.00	0.00	0.00	0.00	0.00
Total O&M	17.33	43.50	45.80	48.20	50.72

(Petitioner)



Normative parameters considered for tariff computations

Form No. - 3

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (AC)		
Element Description	220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)		
Region	Corporate Centre	DOCO Date	Oct 30, 2024

(Amount in Rs. Lakh)

Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Base Rate of Return of Equity (in %)						
Tax Rate (in %)	17.472	17.472	17.472	17.472	17.472	17.472
Effective tax rate (in %)						
Grossed up Rate for ROE of 15.5% (in %)	18.782	18.782	18.782	18.782	18.782	18.782
Grossed up Rate for ROE of 15.0% (in %)	18.176	18.176	18.176	18.176	18.176	18.176
Target availability - AC System (in %)	98.00	98.00	98.00	98.00	98.00	98.00
Target availability - HVDC System (in %)	96.00	96.00	96.00	96.00	96.00	96.00
Norms for sub-station Bays (Rs Lakh per bay)						
765 kV	51.68	41.34	43.51	45.79	48.20	50.73
400 kV	36.91	29.53	31.08	32.71	34.43	36.23
220 kV	25.84	20.67	21.75	22.90	24.10	25.36
132 kV and below	18.46	15.78	16.61	17.48	18.40	19.35
Norms for Transformers (Rs Lakh per MVA)						
765 kV	0.564	0.262	0.276	0.29	0.305	0.322
400 kV	0.411	0.262	0.276	0.29	0.305	0.322
220 kV	0.282	0.262	0.276	0.29	0.305	0.322
132 kV and below	0.282	0.262	0.276	0.29	0.305	0.322
Norms for Reactor (Rs Lakh per MVAR)						
765 kV	0.00	0.262	0.276	0.29	0.305	0.322
400 kV	0.00	0.262	0.276	0.29	0.305	0.322



220 kV	0.00	0.262	0.276	0.29	0.305	0.322
132 kV and below	0.00	0.262	0.276	0.29	0.305	0.322
Norms for AC and HVDC lines (Rs Lakh per km)						
Single Circuit (Bundled Conductor with six or more sub-conductors)	1.011	0.861	0.906	0.953	1.003	1.056
Single Circuit (Bundled conductor with four sub-conductors)	0.867	0.738	0.776	0.817	0.86	0.905
Single Circuit (Twin & Triple Conductor)	0.578	0.492	0.518	0.545	0.573	0.603
Single Circuit (Single Conductor)	0.289	0.246	0.259	0.272	0.287	0.302
Double Circuit (Bundled conductor with four or more sub-conductors)	1.517	1.291	1.359	1.43	1.506	1.585
Double Circuit (Twin & Triple Conductor)	1.011	0.861	0.906	0.953	1.003	1.056
Double Circuit (Single Conductor)	0.433	0.369	0.388	0.409	0.43	0.453
Multi Circuit (Bundled Conductor with four or more sub-conductor)	2.662	2.266	2.385	2.51	2.642	2.781
Multi Circuit (Twin & Triple Conductor)	1.773	1.509	1.588	1.671	1.759	1.851
Norms for HVDC stations (Rs Lakh/MW)						
HVDC Back-to-Back stations (Rs Lakh/MW) (Except Gazuwaka BTB)	0.00	2.07	2.18	2.30	2.42	2.55
Gazuwaka HVDC Back-to-Back station (Rs Lakh/MW)	0.00	1.83	1.92	2.03	2.13	2.24
HVDC bipole scheme (Rs Lakh/MW)	0.00	1.04	1.10	1.16	1.22	1.28

(Petitioner)



Statement of Capital cost

Form No. - 4A

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Gree		
Element Description	220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)		
Region	Corporate Centre	DOCO Date	Oct 30, 2024

A) Capital Cost

(Amount in Rs. Lakh)

Particular	Accrual Basis	Un-discharged Liabilities	Cash Basis
As on relevant date :2024-25			
a) Opening Gross Block Amount as per books	898.13	85.76	812.37
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	16.42	2.36	14.06
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	44.27	0.00	44.27
a) Addition in Gross Block Amount during the period	189.72	0.00	189.72
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in B(a) above	0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	0.00	0.00	0.00
d) De-cap in gross block amount during the year	0.00	0.00	0.00
a) Closing Gross Block Amount as per books	1,087.85	24.80	1,063.05
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	16.42	0.00	16.42
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	44.27	0.00	44.27
As on relevant date :2025-26			
a) Opening Gross Block Amount as per books	1,087.85	24.80	1,063.05
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	16.42	0.00	16.42

c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	44.27	0.00	44.27
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a) Addition in Gross Block Amount during the period	53.63	0.00	53.63
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in B(a) above	0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	0.00	0.00	0.00
d) De-cap in gross block amount during the year	0.00	0.00	0.00

a) Closing Gross Block Amount as per books	1,141.48	8.24	1,133.24
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	16.42	0.00	16.42
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	44.27	0.00	44.27

As on relevant date :2026-27			
a) Opening Gross Block Amount as per books	1,141.48	8.24	1,133.24
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	16.42	0.00	16.42
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	44.27	0.00	44.27

a) Addition in Gross Block Amount during the period	26.68	0.00	26.68
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in B(a) above	0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	0.00	0.00	0.00
d) De-cap in gross block amount during the year	0.00	0.00	0.00

a) Closing Gross Block Amount as per books	1,168.16	0.00	1,168.16
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	16.42	0.00	16.42
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	44.27	0.00	44.27

As on relevant date :2027-28			
a) Opening Gross Block Amount as per books	1,168.16	0.00	1,168.16
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	16.42	0.00	16.42
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	44.27	0.00	44.27



a) Addition in Gross Block Amount during the period		0.00	0.00	0.00
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in B(a) above		0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above		0.00	0.00	0.00
d) De-cap in gross block amount during the year		0.00	0.00	0.00

a) Closing Gross Block Amount as per books*	1,168.16	0.00	1,168.16
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	16.42	0.00	16.42
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	44.27	0.00	44.27

As on relevant date :2028-29

a) Opening Gross Block Amount as per books	1,168.16	0.00	1,168.16
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	16.42	0.00	16.42
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	44.27	0.00	44.27

a) Addition in Gross Block Amount during the period	0.00	0.00	0.00
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in B(a) above	0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	0.00	0.00	0.00
d) De-cap in gross block amount during the year	0.00	0.00	0.00

a) Closing Gross Block Amount as per books	1,168.16	0.00	1,168.16
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	16.42	0.00	16.42
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	44.27	0.00	44.27

Flow of liability for the Asset

(Amount in Rs. Lakh)

Particular	2024-2025	2025-2026	2026-2027			
Opening balance of liability	85.76	24.80	8.24	0.00	0.00	0.00
Add: Liability from ACE	0.00	0.00	0.00	0.00	0.00	0.00



Discharge of liability by payment and claimed as ACE	60.96	16.56	8.24	0.00	0.00	0.00	0.00	0.00	0.00
Reversal/cancelation (to be entered)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Closing Balance of Admitted liability	24.80	8.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(Petitioner)



Financial Package upto COD

Form No. - 6

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (AC		
Element Description	220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)		
Region	Corporate Centre	DOCO Date	Oct 30, 2024

(Amount in Rs. Lakh)

Particulars	Financial Package as Approved		Financial Package as on COD 01/04/2024		As Admitted on COD 01/04/2024	
	Currency	Amount	Currency	Amount	Currency	Amount
Loans		0.00		0.00		0.00
Loan-Domestic		0.00		0.00		0.00
Loan-Foreign		0.00		0.00		0.00
Total Loans	INR	904.66	INR	568.66		0.00
Equity		0.00		0.00		0.00
Foreign		0.00		0.00		0.00
Domestic	INR	387.71	INR	243.71		0.00
Total Equity	INR	387.71	INR	243.71		0.00
Debt Equity Ratio					70:30	
Total Cost	INR	1,292.37	INR	812.37		0.00

Particulars	Debt	Equity	Total	
Addcap for 2024 - 2025			250.68	
Addcap for 2025 - 2026			70.19	
Addcap for 2026 - 2027			34.92	
Addcap for 2027 - 2028			0.00	



Addcap for 2028 - 2029			0.00	
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Particulars	Actual	Normative	
Addcap for 2024 - 2025			
Equity		75.20	
Debt		175.48	
Total		250.68	
Addcap for 2025 - 2026			
Equity		21.06	
Debt		49.13	
Total		70.19	
Addcap for 2026 - 2027			
Equity		10.48	
Debt		24.44	
Total		34.92	
Addcap for 2027 - 2028			
Equity		0.00	
Debt		0.00	
Total		0.00	
Addcap for 2028 - 2029			
Equity		0.00	
Debt		0.00	
Total		0.00	
Total Capital cost with Addcap		1,168.16	

(Petitioner)



Statement of Additional Capitalisation after COD

Form No. - 7

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (AC		
Element Description	220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)		
Region	Corporate Centre	DOCOC Date	Oct 30, 2024

(Amount in Rs. Lakh)

Particulars	Addition into Gross Block as per books of Account during the year (2)	De-Cap into Gross Block as per books of Account during the year	Less: Deductions dr. the year towards				Add: Discharge of earlier admitted liability	ACE on cash basis for tariff purpose	Admitted Cost in final tariff (Rs Lakh)
			Grants Received (if any) (3)	Asset pertaining to other businesses (if any) (4)	Other Deduction (if any) (5)	Less: Undischarged liability included in (2-4-5)			
ACE for the year :2024-25 (Actual/Projected)									
Land (Freehold Land)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building & Civil Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	183.80	0.00	0.00	0.00	0.00	0.00	59.12	242.92	0.00
Comm. Sys. excluding Fiber Optic	3.68	0.00	0.00	0.00	0.00	0.00	0.69	4.37	0.00
Land (Leasehold)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IT/Software/UNMS/URTDSM/SCADA,etc	2.24	0.00	0.00	0.00	0.00	0.00	1.15	3.39	0.00
Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	189.72	0.00	0.00	0.00	0.00	0.00	60.96	250.68	0.00
ACE for the year :2025-26 (Actual/Projected)									



Land (Freehold Land)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building & Civil Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	51.94	0.00	0.00	0.00	0.00	0.00	16.06	68.00	0.00
Comm. Sys. excluding Fiber Optic	1.05	0.00	0.00	0.00	0.00	0.00	0.19	1.24	0.00
Land (Leasehold)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IT/Software/UNMS/URTDMS/SCADA,etc	0.64	0.00	0.00	0.00	0.00	0.00	0.31	0.95	0.00
Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	53.63	0.00	0.00	0.00	0.00	0.00	16.56	70.19	0.00
ACE for the year :2026-27 (Actual/Projected)									
Land (Freehold Land)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building & Civil Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	26.01	0.00	0.00	0.00	0.00	0.00	7.99	34.00	0.00
Comm. Sys. excluding Fiber Optic	0.53	0.00	0.00	0.00	0.00	0.00	0.09	0.62	0.00
Land (Leasehold)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IT/Software/UNMS/URTDMS/SCADA,etc	0.14	0.00	0.00	0.00	0.00	0.00	0.16	0.30	0.00
Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	26.68	0.00	0.00	0.00	0.00	0.00	8.24	34.92	0.00
ACE for the year :2027-28 (Actual/Projected)									
Land (Freehold Land)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building & Civil Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comm. Sys. excluding Fiber Optic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Land (Leasehold)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IT/Software/UNMS/URTDSM/SCADA,etc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ACE for the year :2028-29 (Actual/Projected)									
Land (Freehold Land)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building & Civil Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comm. Sys. excluding Fiber Optic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Land (Leasehold)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IT/Software/UNMS/URTDSM/SCADA,etc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(Petitioner)



Calculation of ROE

Form No. - 8

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (AC		
Element Description	220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)		
Region	Corporate Centre	DOCO Date	Oct 30, 2024

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
No. of Days in the year	365.00	365.00	365.00	366.00	365.00
No. of days for which tariff claimed	153.00	365.00	365.00	366.00	365.00
Opening Normative Equity	243.71	318.91	339.97	350.45	350.45
Less: Adjustment in Equity*	0.00	0.00	0.00	0.00	0.00
Adjustment during the year	0.00	0.00	0.00	0.00	0.00
Net opening equity (Normal)	243.71	318.91	339.97	350.45	350.45
Add: Increase in Equity due to addition during the year / period	56.91	16.09	8.01	0.00	0.00
Less: Decrease due to de-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
Add: Increase due to discharge during the year / period	18.29	4.97	2.47	0.00	0.00
Closing Normative Equity	318.91	339.97	350.45	350.45	350.45
Average Normative Equity	281.31	329.44	345.21	350.45	350.45
Rate of return on Equity (%)	18.176	18.176	18.176	18.176	18.176
Reduced rate of 1% decided by commission under Regulation 30(2) (if any)	0.00	0.00	0.00	0.00	0.00
Effective rate of ROE	15.00	15.00	15.00	15.00	15.00
MAT/Corporate Rate	17.472	17.472	17.472	17.472	17.472
Grossed up rate of ROE	18.176	18.176	18.176	18.176	18.176
Return on Equity	51.13	59.88	62.75	63.70	63.70
Pro rata return on Equity	21.43	59.88	62.75	63.70	63.70



Calculation of WAR of interest on actual loan

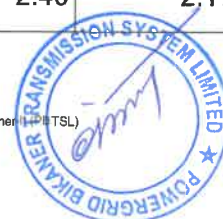
Form No. - 9C

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (AC		
Element Description	220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)		
Region	Corporate Centre	DOCO Date	Oct 30, 2024

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Proposed Loan -ACCRUAL IDC LOAN					
Gross Loan- Opening	0.00	1.65	1.65	1.65	1.65
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	0.00
Net loan-Opening	0.00	1.65	1.65	1.65	1.65
Add: Drawl(s) during the year	1.65	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	0.00	0.00	0.00
Net Loan-Closing	1.65	1.65	1.65	1.65	1.65
Average Net Loan	0.83	1.65	1.65	1.65	1.65
Rate of Interest on Loan on Annual Basis	8.21	8.21	8.21	8.21	8.21
Interest on loan	0.0681	0.1355	0.1355	0.1355	0.1355

Loan 1 PBTSL (BOND LXXII) -DOCO LOAN 1					
Gross Loan- Opening	2.74	2.74	2.74	2.74	2.74
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.11	0.34
Net loan-Opening	2.74	2.74	2.74	2.63	2.40
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	0.11	0.23	0.23
Net Loan-Closing	2.74	2.74	2.63	2.40	2.17



Average Net Loan	2.74	2.74	2.69	2.52	2.29
Rate of Interest on Loan on Annual Basis	7.56	7.56	7.56	7.56	7.56
Interest on loan	0.2071	0.2071	0.2034	0.1905	0.1731

Loan 2 PBTSL (BOND LXXIII) -DOCO LOAN 2

Gross Loan- Opening	1.07	1.07	1.07	1.07	1.07
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.04	0.13
Net loan-Opening	1.07	1.07	1.07	1.03	0.94
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	0.04	0.09	0.09
Net Loan-Closing	1.07	1.07	1.03	0.94	0.85
Average Net Loan	1.07	1.07	1.05	0.99	0.90
Rate of Interest on Loan on Annual Basis	7.50	7.50	7.50	7.50	7.50
Interest on loan	0.0803	0.0803	0.0788	0.0743	0.0675

Loan 3 PBTSL (BOND-LXXIV) -DOCO LOAN 3

Gross Loan- Opening	36.99	36.99	36.99	36.99	36.99
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	1.55	4.64
Net loan-Opening	36.99	36.99	36.99	35.44	32.35
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	1.55	3.09	3.09
Net Loan-Closing	36.99	36.99	35.44	32.35	29.26
Average Net Loan	36.99	36.99	36.22	33.90	30.81
Rate of Interest on Loan on Annual Basis	7.70	7.70	7.70	7.70	7.70
Interest on loan	2.8482	2.8482	2.7889	2.6103	2.3724



Loan 4 PBTSL (BOND LXXV) -DOCO LOAN 5

Gross Loan- Opening	152.09	152.09	152.09	152.09	152.09
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	6.36	19.07
Net loan-Opening	152.09	152.09	152.09	145.73	133.02
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	6.36	12.71	12.71
Net Loan-Closing	152.09	152.09	145.73	133.02	120.31
Average Net Loan	152.09	152.09	148.91	139.38	126.67
Rate of Interest on Loan on Annual Basis	7.65	7.65	7.65	7.65	7.65
Interest on loan	11.6349	11.6349	11.3916	10.6626	9.6903

Loan 5 PBTSL (SBI_LOC_IV) -DOCO LOAN 10

Gross Loan- Opening	0.89	0.89	0.89	0.89	0.89
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.04	0.11
Net loan-Opening	0.89	0.89	0.89	0.85	0.78
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	0.04	0.07	0.07
Net Loan-Closing	0.89	0.89	0.85	0.78	0.71
Average Net Loan	0.89	0.89	0.87	0.82	0.75
Rate of Interest on Loan on Annual Basis	8.40	8.40	8.40	8.40	8.40
Interest on loan	0.0748	0.0748	0.0731	0.0689	0.063

PBTSL loan (BOND-LXXVI) -DOCO LOAN 6

Gross Loan- Opening	2.75	2.75	2.75	2.75	2.75
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.11	0.34
Net loan-Opening	2.75	2.75	2.75	2.64	2.41



Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	0.11	0.23	0.23
Net Loan-Closing	2.75	2.75	2.64	2.41	2.18
Average Net Loan	2.75	2.75	2.70	2.53	2.30
Rate of Interest on Loan on Annual Basis	7.35	7.35	7.35	7.35	7.35
Interest on loan	0.2021	0.2021	0.1985	0.186	0.1691

PBTSL loan (BOND-LXXVII) -DOCO LOAN 7

Gross Loan- Opening	142.38	142.38	142.38	142.38	142.38
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	5.95	17.85
Net loan-Opening	142.38	142.38	142.38	136.43	124.53
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	5.95	11.90	11.90
Net Loan-Closing	142.38	142.38	136.43	124.53	112.63
Average Net Loan	142.38	142.38	139.41	130.48	118.58
Rate of Interest on Loan on Annual Basis	7.55	7.55	7.55	7.55	7.55
Interest on loan	10.7497	10.7497	10.5255	9.8512	8.9528

PBTSL loan (BOND-LXXVIII) -DOCO LOAN 8

Gross Loan- Opening	39.71	39.71	39.71	39.71	39.71
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	1.66	4.98
Net loan-Opening	39.71	39.71	39.71	38.05	34.73
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	1.66	3.32	3.32
Net Loan-Closing	39.71	39.71	38.05	34.73	31.41
Average Net Loan	39.71	39.71	38.88	36.39	33.07



Rate of Interest on Loan on Annual Basis	7.38	7.38	7.38	7.38	7.38
Interest on loan	2.9306	2.9306	2.8693	2.6856	2.4406

PBTSL Loan (Bond LXXIX) -DOCO LOAN 4

Gross Loan- Opening	182.06	182.06	182.06	182.06	182.06
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	7.59	22.76
Net loan-Opening	182.06	182.06	182.06	174.47	159.30
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	7.59	15.17	15.17
Net Loan-Closing	182.06	182.06	174.47	159.30	144.13
Average Net Loan	182.06	182.06	178.27	166.89	151.72
Rate of Interest on Loan on Annual Basis	7.08	7.08	7.08	7.08	7.08
Interest on loan	12.8898	12.8898	12.6215	11.8158	10.7418

PBTSL Loan (Canara-02) -DOCO LOAN 9

Gross Loan- Opening	5.34	5.34	5.34	5.34	5.34
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.22	0.67
Net loan-Opening	5.34	5.34	5.34	5.12	4.67
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	0.22	0.45	0.45
Net Loan-Closing	5.34	5.34	5.12	4.67	4.22
Average Net Loan	5.34	5.34	5.23	4.90	4.45
Rate of Interest on Loan on Annual Basis	8.15	8.15	8.15	8.15	8.15
Interest on loan	0.4352	0.4352	0.4262	0.3994	0.3627

Summary



Gross Loan- Opening	566.02	567.67	567.67	567.67	567.67
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	23.63	70.89
Net loan-Opening	566.02	567.67	567.67	544.04	496.78
Add: Drawl(s) during the year	1.65	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	23.63	47.26	47.26
Net Loan-Closing	567.67	567.67	544.04	496.78	449.52
Average Net Loan	566.85	567.67	555.88	520.45	473.19
Rate of Interest on Loan on Annual Basis	7.4307	7.4318	7.4319	7.432	7.4323
Interest on loan	42.1208	42.1882	41.3123	38.6801	35.1688

(Petitioner)



Calculation of interest on Normative loan

Form No. - 9E

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (AC)		
Element Description	220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)		
Region	Corporate Centre	DOCO Date	Oct 30, 2024

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
No. of Days in the Year	365.00	365.00	365.00	366.00	365.00
No. of days for which Tariff claimed	153.00	365.00	365.00	366.00	365.00
Gross normative loan-Opening	568.66	744.14	793.27	817.71	817.71
Cumulative repayments of Normative loan upto previous year	0.00	18.07	68.50	121.31	174.90
Net normative loan-Opening	568.66	726.07	724.77	696.40	642.81
Addition in normative loan towards the ACE	175.48	49.13	24.44	0.00	0.00
Adjustment of normative gross loan pertaining to the decapitalised asset	0.00	0.00	0.00	0.00	0.00
Normative repayments of normative loan during the year	18.07	50.43	52.81	53.59	53.59
Adjustment of cumulative repayment pertaining to the decapitalised asset	0.00	0.00	0.00	0.00	0.00
Net normative loan - closing	726.07	724.77	696.40	642.81	589.22
Average normative loan	647.37	725.42	710.59	669.61	616.02
Weighted Average Rate of interest on actual loan	7.4307	7.4318	7.4319	7.432	7.4323
Interest on normative loan	48.10	53.91	52.81	49.77	45.78
Pro rata interest on normative loan	20.16	53.91	52.81	49.77	45.78

(Petitioner)



Calculation of Depreciation Rate on Original Project Cost

Form No. - 10

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (AC		
Element Description	220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)		
Region	Corporate Centre	DOCO Date	Oct 30, 2024

(Amount in Rs. Lakh)

Name of Assets	Gross block at the beginning of the year	Add Cap during the year	Gross block at the end of the year	Average Gross Block	Depreciation Rate as per CERC's Depreciation Rate Schedule	Depreciation Amount for each year upto 31.03.2029
2024-25						
Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00
Civil & Building	0.00	0.00	0.00	0.00	3.34	0.00
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	783.39	242.92	1,026.31	904.85	4.22	16.00
Comm. Sys. excluding Fiber Optic	10.67	4.37	15.04	12.86	15.00	0.81
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDMS/SCADA,etc	18.31	3.39	21.70	20.01	15.00	1.26
Batteries	0.00	0.00	0.00	0.00	9.50	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	6.33	0.00
TOTAL	812.37	250.68	1,063.05	937.72	0.00	18.07
Weighted Average Rate of Depreciation(%)					1.927014	

2025-26

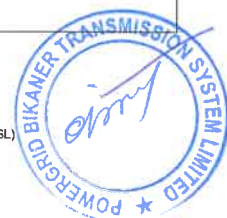
Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00
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Civil & Building	0.00	0.00	0.00	0.00	3.34	0.00
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	1,026.31	68.00	1,094.31	1,060.31	4.22	44.75
Comm. Sys. excluding Fiber Optic	15.04	1.24	16.28	15.66	15.00	2.35
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDSM/SCADA,etc	21.70	0.95	22.65	22.18	15.00	3.33
Batteries	0.00	0.00	0.00	0.00	9.50	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	6.33	0.00
TOTAL	1,063.05	70.19	1,133.24	1,098.15	0.00	50.43
Weighted Average Rate of Depreciation(%)					4.592269	

2026-27

Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00
Civil & Building	0.00	0.00	0.00	0.00	3.34	0.00
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	1,094.31	34.00	1,128.31	1,111.31	4.22	46.90
Comm. Sys. excluding Fiber Optic	16.28	0.62	16.90	16.59	15.00	2.49
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDSM/SCADA,etc	22.65	0.30	22.95	22.80	15.00	3.42
Batteries	0.00	0.00	0.00	0.00	9.50	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	6.33	0.00
TOTAL	1,133.24	34.92	1,168.16	1,150.70	0.00	52.81
Weighted Average Rate of Depreciation(%)					4.58938	



2027-28

Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00
Civil & Building	0.00	0.00	0.00	0.00	3.34	0.00
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	1,128.31	0.00	1,128.31	1,128.31	4.22	47.61
Comm. Sys. excluding Fiber Optic	16.90	0.00	16.90	16.90	15.00	2.54
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDMS/SCADA,etc	22.95	0.00	22.95	22.95	15.00	3.44
Batteries	0.00	0.00	0.00	0.00	9.50	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	6.33	0.00
TOTAL	1,168.16	0.00	1,168.16	1,168.16	0.00	53.59
Weighted Average Rate of Depreciation(%)					4.587556	

2028-29

Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00
Civil & Building	0.00	0.00	0.00	0.00	3.34	0.00
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	1,128.31	0.00	1,128.31	1,128.31	4.22	47.61
Comm. Sys. excluding Fiber Optic	16.90	0.00	16.90	16.90	15.00	2.54
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDMS/SCADA,etc	22.95	0.00	22.95	22.95	15.00	3.44
Batteries	0.00	0.00	0.00	0.00	9.50	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	6.33	0.00
TOTAL	1,168.16	0.00	1,168.16	1,168.16	0.00	53.59



Weighted Average Rate of Depreciation(%)					4.587556	
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(Petitioner)



Statement of Depreciation

Form No. - 10A

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (AC		
Element Description	220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)		
Region	Corporate Centre	DOCO Date	Oct 30, 2024

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
No of Days in the year	365.00	365.00	365.00	366.00	365.00
No of days for which tariff claimed	153.00	365.00	365.00	366.00	365.00
Life at the beginning of the year					
1.1 Weighted Average useful life of the Asset/ Project	24.00	24.00	24.00	24.00	24.00
1.2 Lapsed Weighted Average useful life of the Asset/Project(in completed no. of year)	0.00	0.00	1.00	2.00	3.00
1.3 Balance Weighted Average useful life of the Asset/Project(in completed no. of year)	24.00	24.00	23.00	22.00	21.00
Capital Base					
1.4 Opening capital cost	812.37	1,063.05	1,133.24	1,168.16	1,168.16
1.5 Additional Capital Expenditure dr. the year	250.68	70.19	34.92	0.00	0.00
1.6 De-Capitalisation During the year	0.00	0.00	0.00	0.00	0.00
1.7 Closing capital cost	1,063.05	1,133.24	1,168.16	1,168.16	1,168.16
1.8 Average capital cost	937.72	1,098.15	1,150.70	1,168.16	1,168.16
1.9 Freehold land included in 1.8	0.00	0.00	0.00	0.00	0.00
1.10 Asset having NIL salvage value included in 1.8	20.01	22.18	22.80	22.95	22.95
1.11 Asset having 10% salvage value included in 1.8	917.71	1,075.97	1,127.90	1,145.21	1,145.21
1.12 Depreciable Value(1.10+90% of 1.11)	845.95	990.55	1,037.91	1,053.64	1,053.64
Depreciation for the period and Cum. Depreciation					
1.13 Weighted Average Rate of depreciation	1.927014	4.592269	4.58938	4.587556	4.587556



1.14 Depreciation(for the period)	18.07	50.43	52.81	53.59	53.59
1.15 Depreciation(Annualised)	18.07	50.43	52.81	53.59	53.59
Unrecovered Depreciation for DECAP	0.00	0.00	0.00	0.00	0.00
1.16 Cumulative depreciation at the beginning of the period	0.00	18.07	68.50	121.31	174.90
1.17 Less:Adj of Cum. Dep pertaining to decapitalised Asset	0.00	0.00	0.00	0.00	0.00
1.18 Cumulative depreciation at the end of the period	18.07	68.50	121.31	174.90	228.49

(Petitioner)



Calculation of interest on working Capital

Form No. - 11

Name of the Transmission Licensee		Power Grid Bikaner Transmission System Ltd	
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (AC		
Element Description	220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)		
Region	Corporate Centre	DOCO Date	Oct 30, 2024

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
No of Days in the year	365.00	365.00	365.00	366.00	365.00
No of days for which tariff claimed	153.00	365.00	365.00	366.00	365.00
O&M Expenses-one month	3.45	3.63	3.82	4.02	4.23
Maintenance spares 15% of O&M Expenses	6.20	6.53	6.87	7.23	7.61
Receivables equivalent to 45 days of AFC	23.12	26.14	26.96	27.03	26.93
Total Working capital	32.77	36.30	37.65	38.28	38.77
Bank Rate as on 01.04.2024 or as on 01st April of the COD year, whichever is later.	11.90	11.90	11.90	11.90	11.90
Interest on working capital	3.90	4.32	4.48	4.56	4.61
Pro rata interest on working capital	1.63	4.32	4.48	4.56	4.61

(Petitioner)



Drawdown schedule Calculation of IDC & Financing Charges

Form No. - 12B

Name of the Transmission Licensee	Power Grid Bikaner Transmission System Ltd		
Project	Implementation of 2 No. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Gree		
Element Description	220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSL)		
Region	Corporate Centre	DOCO Date	Oct 30, 2024

(Amount in Rs. Lakh)

Particulars	Quarter 1			Quarter 2			Quarter n (COD)		
	Quantum in FC	Ex. Rate on Drawn Date	Amount in Indian Rupee	Quantum in FC	Ex. Rate on Drawn Date	Amount in Indian Rupee	Quantum in FC	Ex. Rate on Drawn Date	Amount in Indian Rupee
Loans									
Foreign Loans									
Total of Foreign Loans									
Indian Loans									
Loan 1 PBTSL (BOND LXXII) -DOCO LOAN 1									
Draw Down Account									2.74
IDC									
Financing Charges									
Loan 2 PBTSL (BOND LXXIII) -DOCO LOAN 2									



[illegible]

Name of the Transmission Asset: 1 nos of 220 Kv Line Bays (213) at 400/220 KV Bikaner-II PS for Interconnection of Solar Projects (ACME Solar Holdings Pvt. Ltd., Perak Genentech Pvt. Ltd

DOCO: 22.10.2024

S. No. (1)	Particulars (2)	Unit	As per Original Estimates (3)			Actual Capital Expenditure (Gross Block) as on COD as per Books of Account ^{4,5} (5)			The portion Capital cost included in col. 5 which is not eligible for transmission tariff (eg. Grant, other business etc. ⁶ (6)	Projected/actual cost of Deferred work to be capitalised after COD but before cut-off date ⁷ (7)	Variation between actual Cost and IAR/CE cost as on COD (8)=(5-6+7)-(8 or 4)	Reasons for Variation 1 (9)	Un- Discharge Liabilities included in Col. 5 (10)	Admitted cost ⁷ (11)	Capital Work in Progress as per Books of Account as on COD (12)
			Quantity	Rate	Estimated Cost	Quantity	Rate	Gross Block of the asset							
B.	SUBSTATIONS														
4.	Preliminary works & Land														
4.1	Design & Engineering														
4.2	Land ²	Ls			0.00			0.00		0.00	0.00		0.00	0.00	
4.3	Site preparation	Ls			10.00			0.00		0.00	-10.00		0.00	0.00	
4.4	Total Preliminary works & land (4.1+4.2+4.3)				10.00			0.00		0.00	0.00				
5.00	Civil Works														
5.10	Control Room & Office Building including HVAC	LS			0.00			0.00		0.00	0.00		0.00	0.00	
5.20	Township & Colony	LS			0.00			0.00		0.00	0.00		0.00	0.00	
5.30	Roads and Drainage	LS			0.00			0.00		0.00	0.00		0.00	0.00	
5.40	Foundation for structures														
5.50	Misc. civil works	LS						0.00		0.00	0.00		0.00	0.00	
5.60	Total Civil Works (5.1+5.2+5.3+5.4+5.5)				0.00			0.00		0.00	0.00		0.00	0.00	
6.00	Substation Equipment														
6.10	Switchgear (C/LPT, Circuit Breaker, Isolator etc)	No.			204.65			200.61		2.43	-1.61		20.46	180.15	
6.20	Transformers	No.									0.00				
6.30	Compensating Equipment (Reactor, SVCs etc)	No.									0.00				
6.40	Cables				34.06			43.34		2.90	12.18		4.33	39.01	
6.40	Control, Relay & Protection	Ls			50.36			56.97		0.00	6.61		5.81	51.16	
6.50	PLCC				25.49			9.14		5.26	-11.09		0.94	8.20	
6.60	HVDC packings ⁸	No.									0.00		0.00		
6.70	Bus Bars/ conductors / Insulators										0.00		0.00		
6.80	Outdoor Lighting	LS			6.36			3.54		2.60	-0.22		0.35	3.19	
6.90	Emergency D.C. Set	No.			0.00						0.00				
6.10	Grounding System	Ls			0.00			362.80		191.23	-12.21		47.91	314.89	
6.11	Structure for switchyard				566.24										
6.12	Total Substation Equipment (Sum of 6.1 to 6.11)				887.16			676.40		204.42	-6.34	0.00	79.80	596.60	
7.00	Taxes	Ls			36.28			14.37		29.26	7.35		2.02	12.35	
8.00	Taxes and Duties										0.00				
8.10	Custom Duty										0.00				
8.20	Other Taxes & Duties				163.41			127.17		33.63	-2.61		2.82	124.35	
8.30	Total Taxes & Duties (8.1+8.2+8.3)				163.41			124.35		33.14	-5.92	0.00	0.00	124.35	
8.40	Total (Sub-station) (4.4+5.6+6.12+7+8.3)				1096.85			815.12		266.82	-14.91	360.00	81.82	733.30	
C.	Communication System														
9.10	Preliminary Works														
9.20	IT				8.02			15.66		2.71	10.35		1.57	14.09	
9.30	Taxes and Duties							2.82		0.49	3.31		0.00	2.82	
9.40	Total (Communication System) (9.1+9.2+9.3)				8.02			18.48		3.20	13.66		1.57	16.91	
10.00	Cost of Plant & Machinery (3.4+8.4+9.4)				1104.87			833.60		270.02	-1.25		83.39	750.21	
11.00	Construction and pre-commissioning expenses												0.00		-3802.38
11.10	Site supervision & site administration etc				119.00			44.26		0.01	-74.73		0.00	44.26	
11.20	Tools & Plants							0.00		0.00	0.00		0.00	0.00	
11.30	Instruction Insurance										0.00		0.00		

S. No. (1)	Particulars (2)	As per Original Estimates (3)	Actual Capital Expenditure (Gross Block) as on COD as per Books of Account ^{3,4,5} (5)	The portion Capital cost included in col. 5 which is not eligible for transmission tariff (eg. Grant, other business etc. ⁶ (6)	Projected/actual cost of Deferred work to be capitalised after COD but before cut-off date ⁷ (7)	Variation between actual Cost and IA/RCE cost as on COD (8)=(5-6)+(3 or 4)	Reasons for Variation 1 (9)	Un-Discharge Liabilities included in Col. 5 (10)	Admitted cost ⁷ (11)	Capital Work in Progress as per Books of Account as on COD (12)
11.40	Total Construction and pre commissioning expenses (11.1+11.2+11.3)	119.00	44.26		0.01	-74.73		0.00	44.26	
12.00	Over heads							0.00		
12.10	Establishment					0.00		0.00		
12.20	Audit & Accounts	33.00			0.00	0.00		0.00		
12.30	Contingency	0.00			0.00	-33.00		0.00		
12.40	Other overheads					0.00		0.00		
12.50	Total Overheads (12.1+12.2+12.3+12.4)	33.00	0.00		0.00	-33.00	0.00	0.00	0.00	
13.00	IDC, FC, FERV & Hedging Cost							0.00		
13.10	Interest During Construction (IDC)							0.00		
13.20	Financing Charges (FC)	35.50	20.72		0.00	-14.78		0.00	20.72	
13.30	Foreign Exchange Rate Variation (FERV)					0.00		0.00		
13.40	Hedging Cost					0.00		0.00		
13.50	Total of IDC, FC, FERV & Hedging Cost (13.1+13.2+13.3+13.4)	35.50	20.72		0.00	-14.78		0.00	20.72	
14.00	Capital cost including IDC, FC, FERV & Hedging Cost (10+11.4+12.5+13.5)	1292.37	898.58	0.00	270.03	-123.76		83.39	815.19	

B) Summary of Capital Cost as on COD

Particular	Plant & Machinery Cost including initial spare but excluding IDC&IE	Initial Spare capitalised	IDC capitalised	IDC capitalised	IDC capitalised	Loan FERV	Gross Block as per books of Account as on COD	Deduction from Gross Block	Gross block meant for tariff as on COD (after deductions)	Un-discharged liability included in 8	Capital Cost on Cash basis for tariff as on COD
Land (Freehold Land)	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00
Land (Leasehold)	0.00										
Building & Civil Works	0.00										
Transmission Line	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Station	805.98	14.37	42.73	20.00	868.71	80.88	868.71	80.88	868.71	80.88	787.83
PLCC	9.14		0.63	0.29	10.06	9.12	10.06	9.12	10.06	9.12	9.12
IT	18.48		0.90	0.42	19.81	19.81	19.81	19.81	19.81	1.57	18.24
Total Capital Cost as per Books of Account	833.60	14.37	44.26	20.72	898.58	898.58	898.58	NIL	898.58	83.39	815.19
Less: Un-discharged liabilities							0.00				
Total Capital Cost Claimed for tariff	0.00										0.00
% of IDC / EDC on the base of Plant & Machinery											
Means of Finance											
Equity											
Debt											



DOC0: 30.10.2024 (PROPOSED)

S. No. (1)	Particulars (2)	As per Original Estimates (3)			Actual Capital Expenditure (Gross Block) as on COD as per Books of Account ^{4,4'} (5)			The portion Capital cost included in col. 5 which is not eligible for transmission tariff (eg. Grant, other business etc. (6)	Projected/actual cost of Deferred work to be capitalised after COD but before cut-off date (7)	Variation between actual cost and IARCE cost as on COD (8=(6-6+7)-(3 or 4))	Reasons for Variation 1 (9)	Un-Discharge Liabilities included in Col. 5 (10)	Admitted cost ⁷ (11)	Capital Work in Progress as per Books of Account as on COD (12)
		Quantity	Rate	Estimated Cost	Quantity	Rate	Gross Block of the asset							
5.60	Total Civil Works (5.1+5.2+5.3+5.4+5.5)			10.00			0.00		0.00	-10.00		0.00	0.00	
6.00	Substation Equipment													
6.10	Switchgear (CT, PT, Circuit Breaker, Isolator etc)	No.		204.65			200.67		2.37	-1.61		20.47	180.20	
6.20	Transformers	No.								0.00				
6.30	Compensating Equipment (Reactor, SVCs etc)	No.								0.00				
	Cables			34.06			43.34		2.90	12.18		4.33	38.01	
6.40	Control, Relay & Protection Panel	Ls		50.36			56.97		0.00	6.61		5.81	51.16	
6.50	PLCC	No.		25.49			9.14		5.26	-11.09		0.94	8.20	
6.60	HVDC package	No.								0.00		0.00		
6.70	Bus Bars/ conductors /									0.00		0.00		
6.80	Outdoor Lighting	Ls		6.36			3.54		2.60	-0.22		0.35	3.19	
6.90	Emergency D.G. Set	No.								0.00				
6.10	Grounding System	Ls		566.24			362.80		191.23	-12.21		47.91	314.89	
6.11	Structure for switch yard	Ls	1.00	887.16			676.46		204.36	-6.34	0.00	79.81	596.65	
6.12	Total Substation Equipment (Sum of 6.1 to 6.11)			36.28			14.37		28.26	7.35		2.02	12.35	
7.00	Spares	Ls	1.00	36.28										
8.00	Taxes and Duties													
8.10	Custom Duty									0.00				
8.20	Other Taxes & Duties			163.41			127.18		33.63	-2.60		2.82	124.36	
8.30	Total Taxes & Duties (8.1+8.2+8.3)			163.41			124.36		33.14	-5.91	0.00	0.00	124.36	
8.40	Total (Sub-station) (4.4+5.6+6.12+7+8.3)			1096.85			815.19		266.76	-14.90		81.83	733.36	
9.00	Communication System											0.00		
9.10	Preliminary Works											0.00		
9.20	Taxes and Duties	1.00	8.02	8.02			15.66		2.71	-10.35		0.00	14.09	
9.30	Taxes and Duties						2.82		0.49			0.00	2.82	
9.40	Total (Communication System)			8.02			18.48		3.20	13.66		1.57	16.91	
10.00	Cost of Plant & Machinery (3.4+8.4+9.4)			1104.87			833.67		269.96	-1.24		83.40	750.27	
11.00	Construction and pre-commissioning expenses											0.00		-3802.37
11.10	Site supervision & site administration etc			119.00			44.27		0.00	-74.73		0.00	44.27	
	Tools & Plants						0.00		0.00			0.00	0.00	
	Construction Insurance											0.00		
11.20	Total Construction and pre-commissioning expenses (11.1+11.2+11.3)			115.00			44.27		0.00	-74.73		0.00	44.27	
	Over heads											0.00		

S. No. (1)	Particulars (2)	Unit	Quantity	Rate	Estimated Cost	Actual Capital Expenditure (Gross Block) as on COD as per Books of Account ^{3,4,e} (5)	The portion Capital cost included in col. 5 which is not eligible for transmission tariff (eg. Grant, other business etc. 6)	Projected/actual cost of Deferred work to be capitalised after COD but before cut-off date (7)	Variation between actual cost as on COD (8=6-5+7)-(3 or 4)	Reasons for Variation (9)	Un-Discharge Liabilities included in Col. 5 (10)	Admitted cost ⁷ (11)	Capital Work in Progress as per Books of Account as on COD (12)
12.10	Establishment												
12.20	Audit & Accounts												
12.30	Contingency				33.00			0.00	-33.00				
12.40	Other overheads												
12.50	Total Overheads (12.1+12.2+12.3+12.4)				33.00			0.00	-33.00	0.00		0.00	
13.00	Interest During Construction (IDC)												
13.10	IDC, FC, FERV & Hedging												
13.20	Financing Charges (FC)				35.50			0.00	-19.08			16.42	
13.30	Foreign Exchange Rate Variation (FERV)							0.00				0.00	
13.40	Hedging Cost												
13.50	Total of IDC, FC, FERV & Hedging Cost (13.1+13.2+13.3+13.4)				35.50			0.00	-19.08			16.42	
14.00	Capital cost including IDC, FC, FERV & Hedging Cost (10+11.4+12.5+13.5)				1292.37		0.00	269.96	-128.05		83.40	810.96	

Particular	Plant & Machinery Cost including initial spare but excluding IDC&IE	Initial Spare capitalised	IEDC capitalised	IDC capitalised	Loan FERV	Gross Block as per books of Account as on COD	Deduction from Gross Block	Gross block meant for tariff as on 01.04.2019 (after deductions)	Un-discharged liability included in 8	Capital Cost on Cash basis for tariff as on COD / as on 01-04-2019
Land (Freehold Land)	1.00	2.00	3.00	4.00	5.00	5=(1+3+4+5)	7.00	8=(6-7)	9.00	10=(8-9)
Land (Leasehold)	0.00					0.00		0.00	0.00	0.00
Building & Civil Works	0.00					0.00		0.00	0.00	0.00
Transmission Line	806.05	14.37	42.69	15.83	0.00	864.57	864.57	864.57	80.89	783.68
Sub-Station	9.14		0.58	0.22	0.00	9.94	9.94	9.94	9.94	9.00
PLCC	18.48		1.00	0.37	0.00	19.85		19.85	1.57	18.28
IT	833.67	14.37	44.27	16.42	0.00	894.36	NIL	894.36	83.40	810.96
Total Capital Cost as per Books of										
Less: Un-discharged liabilities										
Total Capital Cost Claimed for tariff										
% of IDC / IEDC on the base of Plant &										
Means of Finance										
Equity										
Debt										

B) Summary of Capital Cost as on COD



Summary of issue involved in the petition

PART-III
FORM- 15

1. Name of the Petitioner	POWERGRID Bikaner Transmission System Limited
2. Petition Category	Transmission
3. Tariff Period	2024-29
4. Name of the Project	Implementation of 2 no. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)
5. Investment Approval date	13.04.2023
6. SCOD of the Project	24.11.2023
7. Actual COD of the project	Asset-1: 22.10.2024 Asset-2: 30.10.2024 (Proposed)
8. Whether entire scope is covered in the present petition.	Yes
9. No. of Assets covered in instant petition	2
10. No. of Assets having time over run	1
11. Estimated Project Cost as per IA	Rs.25.23 Cr
12. Is there any REC? if so, provide the date	No
13. Revised Estimated Project Cost (if any)	
14. Completion cost for all the assets covered in the instant petition.	Rs. 23.37 Cr
15. No. of Assets covered in instant petition and having cost overrun.	NIL
16	Prayer in brief
17	Key details and any Specific issue involved:
18	Respondents
Name of Respondents	
1	UTTAR PRADESH POWER CORPORATION LTD.
2	AJMER VIDYUT VITRAN NIGAM LTD
3	JAIPUR VIDYUT VITRAN NIGAM LTD
4	JODHPUR VIDYUT VITRAN NIGAM LTD
5	HIMACHAL PRADESH STATE ELECTRICITY BOARD
6	PUNJAB STATE POWER CORPORATION LIMITED
7	HARYANA POWER PURCHASE CENTRE
8	JAMMU KASHMIR POWER CORPORATION LIMITED
9	BSES YAMUNA POWER Ltd
10	BSES RAJDHANI POWER Ltd
11	TATA POWER DELHI DISTRIBUTION LTD
12	CHANDIGARH ELECTRICITY DEPTT
13	UTTARAKHAND POWER CORPORATION LTD
14	NORTH CENTRAL RAILWAY
15	NEW DELHI MUNICIPAL COUNCIL
16	CENTRAL TRANSMISSION UTILITY OF INDIA LTD (CTUIL)
17	PRERAK GREENTECH PRIVATE LIMITED
18	ACME SOLAR HOLDINGS LIMITED

(Petitioner)



Summary of Capital Cost & Annual Fixed Cost (AFC) Claimed for ALL the assets covered in the present petition.			
Name of the Petitioner	POWERGRID Bikaner Transmission System Limited		
Tariff Period	2024-29		
Name of the Transmission Project	Implementation of 2 no. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of solar projects (ACME Solar Holdings Pvt. Ltd., Prerak Greentech Pvt. Ltd.)		
COD of the Project (if entire scope of project is completed)	30.10.2024		

A) Summary of Capital Cost as on COD and Additional Capital Expenditure claimed for all the assets Covered in the instant petition.											Rupees in lakh
i) Appropriated				ii) Summary of Actual / Projected Capital Cost							
S. No.	Asset No.	COD	Cut-off Date	Approved Cost As per Investment approval	As on COD	2024-25	2025-26	2026-27	2027-28	Capital Cost as on 31.03.2029	Total Completion Cost
1	Asset-1	22-10-2024	2	3	5	6	7	8	9	10=(5+6+7 +8+9)	11
	Asset-2	30-10-2024	31.03.2028	1292.37	815.19	248.32	70.19	34.92	0	1168.62	1168.62
	Total Capital Cost Claimed			2584.74	1626.15	496.64	140.38	69.84	0.00	2333.01	2333.01

B) Summary of Annual Fixed Cost (AFC) claimed for all the assets covered in the instant petition.										
S. No.	Asset No.	Asset Name and its location								
1	Asset-1	220 kV main bay 213 of 220 kV Bikaner-II - PRERAK line at Bikaner-II (PBTSLS)								
2	Asset-2	220 kV main bay 201 of 220 kV Bikaner-II - ACME line at Bikaner-II (PBTSLS)								
		Total AFC for all the Assets								

Note: 1) The purpose of this form is to summarise the Capital cost & AFC claimed for all the assets covered in the instant petition.

(Petitioner)



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PART-III

Checklist of Forms and other information/ documents for tariff filing for Transmission System & Communication System

Form No.	Title of Tariff Filing Forms (Transmission & Communication System)	Tick
FORM- 1	Summary of Tariff	✓
FORM- 1A	Summary of Asset level cost	✓
FORM-2	Details of Transmission Lines and Substations and Communication System covered in the project scope and O&M for instant asset	✓
FORM-3	Normative parameters considered for tariff computations	✓
FORM- 4	Abstract of existing transmission assets/elements under project, Determination of Effective COD and Weighted Average Life for single AFC for the project as	✓
FORM- 4A	Statement of Capital cost	✓
FORM- 4B	Statement of Capital Works in Progress	NA
FORM- 4C	Abstract of Capital Cost Estimates and Schedule of Commissioning for the New Project/Element	NA
FORM-5	Element wise Break-up of Project/ Asset/Element Cost for	NA
FORM-5A	Break-up of Construction/Supply/Service packages	NA
FORM-5B	Details of all the assets covered in the project	NA
FORM- 6	Actual Cash Expenditure and Financial Package up to COD	✓
FORM- 7	Statement of Additional Capitalisation after COD	✓
FORM- 7A	Financing of Additional Capitalisation	✓
FORM- 7B	Statement of Additional Capitalisation during five year before the end of the useful life of the project.	NA
FORM- 8	Calculation of Return on Equity	✓
FORM-8A	Details of Foreign Equity	NA
FORM-9	Details of Allocation of corporate loans to various transmission	NA
FORM-9A	Details of Project Specific Loans	NA
FORM-9B	Details of Foreign loans	NA
FORM-9C	Calculation of Weighted Average Rate of Interest on Actual Loans	✓
FORM-9D	Loans in Foreign Currency	✓
FORM-9E	Calculation of Interest on Normative Loan	✓
FORM- 10	Calculation of Depreciation Rate on original project cost	✓
FORM- 10A	Statement of Depreciation	✓
FORM- 10B	Statement of De-capitalisation	NA
FORM- 11	Calculation of Interest on Working Capital	✓
FORM- 12	Details of time over run	NA
FORM- 12A	Incidental Expenditure during Construction	NA
FORM- 12B	Calculation of IDC & Financing Charges	NA
FORM- 13	Details of Initial spares	NA
FORM- 14	Non-Tariff Income	NA
FORM- 15	Summary of issue involved in the petition	✓
FORM A	Summary of Capital Cost & Annual Fixed Cost (AFC) Claimed for ALL	✓
Other Information/ Documents		
S. No.	Information/Document	Tick
1	Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Project(s) setup by a company making tariff application for the first time to CERC)	NA
2	Region wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & Annexure for the new Transmission System & Communication System for the relevant years.	NA
3	Copies of relevant loan Agreements	NA
4	Copies of the approval of Competent Authority for the Capital Cost and Financial package.	NA



5	Copies of the Equity participation agreements and necessary approval for the foreign equity.	NA
6	Copies of the BPTA/TSA/PPA with the beneficiaries, if any	NA
7	Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted: a. Detailed Project Report b. CPM Analysis c. PERT Chart and Bar Chart d. Justification for cost and time Overrun	NA
8	Transmission Licensee shall submit copy of Cost Audit Report along with cost accounting records, cost details, statements, schedules etc. for the transmission system as submitted to the Govt. of India for first two years i.e. 2019-20 and 2020-21 at the time of mid-term true-up in 2021-22 and for balance period of tariff period 2019-24 at the time of final true-up in 2024-25. In case of initial tariff filing the latest available Cost Audit Report should be furnished.	NA
9.	BBMB is maintaining the records as per the relevant applicable Acts. Formats specified herein may not be suitable to the available information with BBMB. BBMB may modify formats suitably as per available information to them for submission of required information for tariff purpose.	NA
10.	Any other relevant information, (Please specify)	NA
Note 1: Electronic copy of the petition (in words format) and detailed calculation as per these formats (in excel format) and any other information submitted has to be uploaded in the e-filing website and shall also be furnished in pen drive/flash drive.		

(Petitioner)

