

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

CCL.

दिनांक: 04.12.2024

सचिव,

केंद्रीय विद्युत विनियामक आयोग (सी.ई.आर.सी.)

छठवाँ, सातवाँ एवं आठवाँ तल, टॉवर बी,

वर्ल्ड ट्रेड सेंटर, नौरोजी नगर, नई दिल्ली-110029.

विषय:- Petition for determination of transmission tariff for 2024-29 tariff block for assets under “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:” 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.

महोदय,

उपरोक्त पारेषण प्रणाली के वर्ष 12.09.2024(Proposed DOCO) से 31.03.2029 तक के पारेषण टैरिफ हेतु याचिका की 3 प्रतियां (1 मूल व 2 प्रतियां) संलग्न है। याचिका शुल्क की गणना नई फीस रेगुलेशन, 2012 के पैरा 3(2) के तहत दिये गये निर्देशों के आधार पर निम्नानुसार की गई है:-

एसेट	वित्त वर्ष	टैरिफ (T) (रु. लाख में)	याचिका दाखिल करने की फीस @....का टैरिफ (R)	याचिका दाखिल करने की फीस (B)=(T)X@ (रु.)	निकटतम 100 (न्यूनतम 40,000: 2009-12 और न्यूनतम 1,00,000: 2012-24) (रु.)
Asset-1	2024-25	51.38	0.11%	5651.8	100000
TOTAL					1,00,000

(* Payment of the filling fee of the instant petition has been made through challan)

माननीय आयोग द्वारा जारी CBR, 2023 के पैरा 18(4) तथा 23(4) के तहत दिये गये निर्देशों के आधार पर याचिका की प्रति ई-फाइलिंग पोर्टल के पंजीकृत प्रतिवादी को ईमेल के माध्यम से और गैर-पंजीकृत प्रतिवादी को स्पीड पोस्ट के माध्यम से भेज दी गई है तथा ई-मेल एवं स्पीड पोस्ट की प्रति संलग्न है। याचिका ई-फाइल कर दी गई है। माननीय आयोग से निवेदन है कि याचिका को स्वीकृत किया जाए। कृपया पावती भेजें।

धन्यवाद।



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 पारेषण 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

Form-I

Particulars	
1. Name of the Petitioner	POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED
2. Address of the Petitioner	B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi – 110016
3. Subject Matter	Petition for determination of transmission tariff for 2024-29 tariff block for assets under “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” 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.
4. Petition No., if any	
5. Details of generation assets (a) generation station/units (b) Capacity in MW (c) Date of commercial operation (d) Period for which fee paid (e) Amount of fee paid (f) Surcharge, if any	NA
6. Details of transmission assets (a) Transmission line and sub-stations (b) Date of commercial operation (c) Period for which fee paid (d) Amount of fee pad (e) Surcharge, if any	Asset-1, 12.09.2024, 2024-25 Rs 1,00,000/-
7. Fee paid for Adoption of tariff for (a) Generation asset (b) Transmission asset	NA
8. Application fee for licence (a) Trading licence (b) Transmission licence (c) Period for which paid (d) Amount of fee paid	NA
9. Fee paid for Miscellaneous Petition	NA
10. Fees paid for Interlocutory Application	
11. Fee paid for Regulatory Compliance petition	



12. Fee paid for Review Petition	NA
13. Licence fee for inter-State Trading (a) Category (b) Period (c) Amount of fee paid (d) Surcharge, if any	NA
14. Licence fee for inter-State Transmission (a) Expected/Actual transmission charge (b) Period (c) Amount of fee paid (d) Surcharge, if any	NA
15. Annual Registration Charge for Power Exchange (a) Period (b) Amount (c) Fee paid (d) Surcharge, if any	NA
16. Details of fee remitted (a) NEFT/RTGS Reference No. (b) Date of remittance (c) Amount of remitted	UTR No – Rs. 1,00,000/-

POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED



BEFORE
THE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

PETITION FOR
APPROVAL OF TRANSMISSION TARIFF

For

Transmission Assets of

*Project - "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."*

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



Project-in-Charge,

PLACE : Gurgaon

DATED : 04.12.2024

POWERGRID Bikaner Transmission System Limited

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

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Address for Correspondence: ED (TBCB), “SAUDAMINI”,
Plot No.-2, Sector-29, Gurgaon-122 001 (Haryana)

.....PETITIONER

Uttar Pradesh Power Corporation Limited (UPPCL)

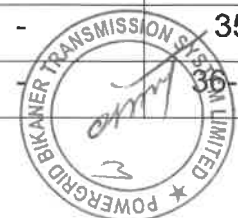
Import Export Payment Circle, 14th Floor,
Shakti Bhawan Extn. Building, 14 - Ashok Marg, Lucknow

And others

.....RESPONDENT(S)

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Filed by
POWERGRID Bikaner Transmission System Limited

PLACE : Gurgaon
DATED :04.12.2024

Project-in-Charge,
POWERGRID Bikaner Transmission System Limited



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

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“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)

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 : 04.12.2024

Project-in-Charge,
POWERGRID Bikaner Transmission System Limited

BEFORE
THE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

PETITION NO.: .../TT/2024

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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)

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

LUCKNOW - 226 001

REPRESENTED BY ITS CHAIRMAN

----RESPONDENT(S)



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 ULILITY OF INDIA LTD (CTUIL))
FLOORS NO. 5-10, TOWER 1,
PLOT NO-2. 16, IRCON INTERNATIONAL TOWER,
INSTITUTIONAL AREA, SECTOR 32, GURUGRAM, HARYANA - 122001
REPRESENTED BY ITS COO



17. SJVN LIMITED

SHAKTI SADAN, SHANAN

SHIMLA, 171006, HIMACHAL PRADESH

REPRESENTED BY CHAIRMAN

Filed by

POWERGRID Bikaner Transmission System Limited

Represented by



PLACE : Gurgaon

DATED : 04.12.2024

Project-in-Charge,

POWERGRID Bikaner Transmission System Limited



**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 1 no. of 400 kV line bay at 400/220 kV Bikaner-II PS for interconnection of 1000 MW Solar Project of SJVN 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.

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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 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 date of December 2024.

PETITIONER

POWERGRID Bikaner Transmission System Limited

Project-in-Charge,

POWERGRID Bikaner Transmission System Limited

PLACE: Gurgaon

DATED: 04.12.2024



BEFORE
THE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

PETITION NO.: .../TT/2024

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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 1 no. of 400 kV line bay at 400/220 kV Bikaner-II PS for interconnection of 1000 MW Solar Project of SJVN 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 Customers’ (hereinafter referred to as ‘DICs’) of Northern Region in terms of the Sharing



Regulations, 2020. In Addition, PBTSL has also impleaded Central Transmission Utility of India Limited (CTUIL) as Respondent No 16 and the Associated Generator i.e. SJVN Limited as respondent 17 for which the instant transmission asset has 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 asset under subject transmission scheme, i.e. **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:**

Asset No	Asset Name	COD
Asset-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.	Proposed COD – 12.09.2024

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

S.No	Event	Date
1.	Petition No.137/TL/2022 filed by the Petitioner for grant of separate transmission license under RTM mode	11.04.2022
2.	Instant transmission scheme viz. 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 was assigned to Petitioner by CTUIL under RTM mode.	26.04.2022
3.	Amended Petition filed in Petition No.137/TL/2022 by the Petitioner incorporating instant transmission scheme	21.07.2022
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	22.08.2022
6.	SCOD	01.10.2023
7.	Proposed COD	12.09.2024



(v) Summary of Claims:

4. PBTSL is seeking determination of transmission tariff for 2024-29 tariff block for aforesaid transmission asset 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	576.42	299.62	144.45	41.28	20.63	505.97

6. **Details of Time- Overrun:**

Asset No.	SCOD	Revised SCOD*	COD	Delay in days
Asset-1	01.10.2023	31.12.2023	12.09.2024 (Proposed)	256

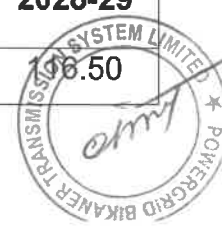
* Revised SCOD as per 27th JCC dated 26.09.2023 and same continued in subsequent JCCs

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, delay in generator i.e. SJVN Ltd and delay in charging clearance by NRLDC which were beyond the control of PBTSL.

7. Details of tariff claimed are as under: 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	51.38	110.79	115.88	117.11	106.50



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, additional 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, 02 nos additional transmission scheme were awarded to the petitioner 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, which inter-alia included the present scheme awarded vide CTUIL OM dated 26.4.2022 and claimed in the present petition.



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 scheme was 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.: Transmission scheme Claimed in the present petition.**
- (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.).
- (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	DOCO
Asset-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.	Proposed COD – 12.09.2024

Approval of the Scheme

14. That instant transmission scheme viz. **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** was assigned to Petitioner by CTUIL vide its OM dated 26.04.2022 for implementation under RTM mode. Copy of CTUIL OM dated 26.04.2022 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 18th meeting held on 22.08.2022 at an estimated cost of **Rs.5.76 Crores** at March, 2022 price level, a copy whereof is attached hereto as **Annexure - 4**.

SCOPE OF WORK:

16. The complete scope of work under "**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**" is covered under instant petition and details are as follows:

Asset	Asset Name	Remarks
Asset-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.	Included in the present petition

Approval of Proposed COD

It is to mention that the associated generator for instant 400 kV bay is SJVN Limited who is implementing 1000 MW Solar generation. On the date of commissioning of instant 400 kV by PBTSL i.e. 12.09.2024, the associated generation was not completed and PBTSL praying this Hon'ble Commission to approve the DOCO as 12.09.2024 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 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, Regulation 27 of the Indian Electricity Grid Code Regulations, 2023 provides for declaration of commercial operation (DOCOC) and commercial operation date (COD) as follows;

Quote

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

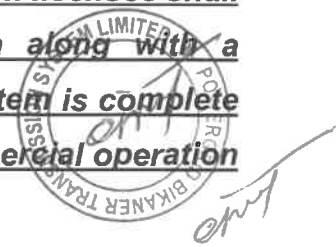
(1) A generating station or unit thereof or a transmission system or an element thereof or ESS may declare commercial operation as follows and inform CEA, the concerned RLDC, the concerned RPC and its beneficiaries:

.....

(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 29.10.2024 certifying that instant 400 kV bay was completed on 19.08.2024 i.e date of issuance of approval of energization by CEA. No load trial run was completed on 11.09.2024 and accordingly approval of COD has been prayed w.e.f. 12.09.2024.

A copy of CEA Energization certificate, RLDC No load trial operation certificate, CTU completion certificate and CMD certificate for the instant asset are 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

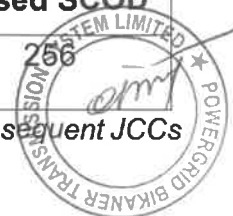
The entire scope of the project has been completed in the instant petition. Accordingly, the instant petition is being filed in compliance with the Regulation 9 of CERC Tariff Regulations, 2024.

18. Implementation Schedule

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

Asset	Schedule COD	Revised SCOD*	Actual COD	Delay w.r.t. revised SCOD
Asset-1	01.10.2023	31.12.2023	12.09.2024 (Deemed)	

* Revised SCOD as per 27th JCC dated 26.09.2023 and same continued in subsequent JCCs



Reasons of Time Over-run

As seen from the table above, there is a delay of 256 days in commissioning of instant asset vis-à-vis revised SCOD of 31.12.2023. As per CTUIL OM dated 26.04.2022, Schedule COD of the subject Asset was 01.10.2023. CERC in its interim order dated 07.10.2022 in Petition No 137/TL/2022 regarding grant of RTM licence to PBTSL 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.

CTUIL vide its affidavit dated 17.11.2022 in the License Petition no 137/TL/2022 informed regarding revised SCOD of some of the assets of the schemes under the petition no 137/TL/2022 in order to match the commissioning schedule of the generation projects in line with 23rd JCC meeting of NR held on 22.09.2022. Regarding the Asset-I of the instant petition, the SCOD was retained as 01.10.2023 as per associated generation i.e SJVN's schedule provided in the 23rd JCC meeting of NR. However, subsequently commissioning schedule of associated generation of SJVN got deferred and in the MOM of 27th JCC Meeting held on 26/09/2023, SCOD of the instant asset was revised to 31.12.2023 which has remained same in subsequent JCC meetings. Following are the reasons which led to delay in commissioning of the instant 400 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 07 months from the filing of initial petition and assignment of instant project to Petitioner by CTUIL vide its OM dated 26.04.2022, as the license petition was amended to incorporate various subsequent schemes assigned to the Petitioner. As already mentioned at para 12.0, that 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 (i.e. the instant Transmission scheme) & dated 25.08.2022 and petition 137/TL/2022 was amended twice consequently to incorporate the above 02 nos. transmission schemes awarded by CTUIL. 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 214 days from the date CTUIL OM for instant scheme i.e. 26.04.2022. 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 i.e instant scheme.
5	25.08.2022	CTUIL vide its OM dated 25.08.2022 awarded additional scope of works 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	26.11.2022	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.

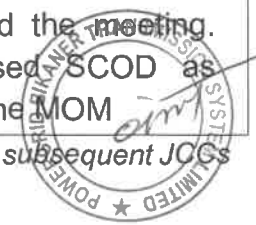
From the above, it can be seen that the commissioning date of the instant asset was pushed back from the scheduled timeline due to the delay in grant of transmission license to the Petitioner, which is beyond the control of PBTSL. **After adjusting 90 days from the CTUIL OM dated 26.04.2022, which was factored in for license, extra time lapsed due to above event was 124 days.**

ii. Delay due to matching with associated generator i.e. SJVN Ltd

Subsequent to issuance of transmission license, PBTSL started implementation of instant bay for RE generator SJVN Ltd which was implementing associated generation having implementation schedule progressively starting from 01.10.2023 to 01.01.2024. However, subsequently commissioning schedule of associated generation of SJVN got continuously deferred and the same is yet to be commissioned. Details of change in commissioning schedule of associated generation of SJVN is as below :

SL No	JCC Meeting and Date	SJVN Generation Schedule	Remarks
1	23 rd JCC Meeting dated 22.09.2022	250 MW: 01.10.23 250 MW: 01.11.23 250 MW: 01.12.23 250 MW: 01.01.24	
2	24 th JCC Meeting dated 27.12.2022	Same as above	
3	Project Review meeting held on 06.04.2023 & 06.07.2023 with Generation developers	Same as above	Generator did not attend the meeting and Status was not updated
4	27 th JCC Meeting held on 26.09.2023 *	Same as above	
5	28 th JCC Meeting held on 05.01.2024	250 MW: 15.04.24 250 MW: 15.06.24 250 MW: 15.07.24 250 MW: 15.08.24	Grantee didn't attend the meeting. Revised SCOD as per the MOM
6	29 th JCC Meeting held on 27.03.2024		
7	30 th JCC Meeting held on 26.06.2024	250 MW: 30.09.24 250 MW: 30.11.24 250 MW: 31.12.24 250 MW: 31.01.25	Revised SCOD as per the MOM
8	31 st JCC Meeting held on 30.09.2024	250 MW: 31.12.24 250 MW: 28.02.25 250 MW: 30.04.25 250 MW: 31.06.25	Grantee didn't attend the meeting. Revised SCOD as per the MOM

* Revised SCOD as per 27th JCC dated 26.09.2023 and same continued in subsequent JCCs



As per the details above, commissioning schedule of associated generation is getting continuously delayed and from original commissioning schedule where first 250 MW was to commission on 01.10.2023 has delayed to 31.12.2024 i.e the same is yet to be commissioned. implementation schedule progressively starting from 15.04.2024 to 15.08.2024.

As the associated generation was continuously getting deferred, PBTSL initially deferred the commissioning of instant bay to match with the commissioning of the associated generation of SJVN. However, as associated generation of SJVN is uncertain and implementation schedule is continuously shifted, it was not possible for PBTSL defer the commissioning further due to its contractual obligation. Accordingly, PBTSL made the asset ready and applied for charging clearance on 26.07.2024 to NRLDC.

iii. Delay in granting charging clearance by NRLDC

PBTSL applied for charging clearance on 26.07.2024 to NRLDC but NRLDC granted charging clearance only on 02.09.2024 which was beyond the control of the PBTSL. NRLDC insisted on connectivity approval, RLDC registration letter and proper Bay approval prior to granting of charging clearance. For RLDC registration, NRLDC sought a copy of original Transmission License granted by Hon'ble Commission, however same was yet to be issued by Hon'ble Commission at that time and was not available with PBTSL. PBTSL kept pursuing with NRLDC that charging clearance may be provided based on the Hon'ble Commission order dated 21.11.2022 in Petition 137.TL.2022 in which Transmission license was granted by the Hon'ble Commission.

Eventually, NRLDC based on the transmission license order issued by Hon'ble Commission dated 21.11.2022 in Petition 137.TL.2022 granted charging clearance and No -load trial run operation was allowed on 02.09.2024 which was later rescheduled by Petitioner to 12.09.2024.

In light of the above, the delay of 38 days was beyond the control of the PBTSL as the original Transmission License granted by Hon'ble Commission was not available with the PBTSL and NRLDC deferred the trial run due to same till 02.09.2024.

Therefore, the delay in grant of transmission license, non-commissioning of generation capacity by SJVN and delay in granting charging clearance by NRLDC was beyond the



control of the PBTSL. It is therefore, humbly prayed to Hon'ble Commission to condone the delay in completion of the subject asset.

Following documents are attached in support of delay reasons as **Annexure – 6 (Colly)**;

- a. Relevant extracts of 27th to 31st Joint Coordination Committee Meeting for Generation and Transmission projects of Northern Region
- b. Communications held with NRLDC for charging clearance

Estimated Completion Cost:

19. The present Petition for determination of transmission tariff for 2024-29 tariff block for aforesaid transmission asset is being filed based on the capital cost comprising of capital cost incurred upto proposed DOCO (i.e. 12.09.2024) 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 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 - 7**.

(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	576.42	299.62	144.45	41.28	20.63	505.97

Estimated completion cost vis-à-vis CTUIL OM cost

The details of estimated completion cost vis-à-vis CTUIL OM cost for the Asset covered under instant petition is as follow:

(Rs. In lakhs)

Asset No.	CTUIL OM cost (FR) (a)	Estimated Completion Cost (b)	Variation FR (-decrease.+increase) (c= b-a)
Asset-1	1162	505.97	-656.03

Hence, it may be seen from above that, the estimated completion cost of the Asset based on the Cost Certificate is well within the CTUIL OM cost.



Estimated completion cost vis-à-vis apportioned FR cost

The details of estimated completion cost vis-à-vis apportioned FR cost for the Asset 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	576.42	505.97	-70.45

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-I

S. No	Description	Cost as per FR	Estimated Capital Cost	Variation (-decrease, +increase)
		a	b	c = b - a
1	Substation	369.34	369.09	-0.25
2	Taxes and Duties	69.68	73.04	3.36
3	Spares	31.91	39.95	8.04
4	Over heads	20	0	-20.00
5	Interest During Construction (IDC)	18	7.62	-10.38
6	IEDC	52.77	16.27	-36.50
7	Contingency	14.73	0	-14.73
Total		576.43	505.97	-70.46

Hence, it may be seen from above that, the estimated completion cost of the Asset based on the Cost Certificate is within the approved apportioned cost as per FR.

Variation in IDC, IEDC & Contingency:

Decrease in IDC is attributable to variation in the rate of interest considered in FR vs. rate of interest of funds deployment 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 have been considered @ 10.75% whereas Contingency has been considered as @ 3% 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 taxes

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 Proposed DOCO based on estimated completion cost of the subject assets.

DETAILS OF THE INITIAL SPARES:

20. Regulation 23 (d) of the Tariff Regulations, 2019 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)	482.09	47.07	6	27.77	19.30

Here it needs to be mentioned that Spares are very critical for smooth and uninterrupted servicing of a particular asset and procured as per the technical standards and requirements. Hon'ble Commission has prescribed the spare limit in the Tariff Regulations and usually initial spares procured are within these limits. However, in some of the projects such as in the instant cases as above, it is imperative to procure initial spares beyond the prescribed limits considering the nature of project and other technical factors. The instant assets at Bikaner-II Substation is commissioned as an extension of the existing substation and includes only one 400 kV bays. This means the population of equipment & total capital cost is much lower than the population of equipment & total capital cost if it would have been a Green field project or extension included multiple elements. Thus, the initial spares w.r.t. the project capital cost in the instant case is higher because of less project capital cost due to the lesser population of equipment i.e only one bay.

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. Initial discharge summary is as per follows;



Particulars	Sub station incl PLCC & IT Equipment
Total Value of Spares as per Certificate	47.07
Expenditure up to 11.09.2024 (Prop DOCO 12.09.2024)	31.49
Estimated Expenditure from 12.09.2024 to 31.03.2025	11.29
Estimated Expenditure from 01.04.2025 to 31.03.2026	3.06
Estimated Expenditure from 01.04.2026 to 31.03.2027	1.23

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;*

.....



23. Additional capitalization claims under Regulation:

Asset	DOCO date	Cut-off date
Asset-1 400 kV SJVN Bay at Bikaner-II (PBTSL)	12.09.2024 (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	144.45	41.28	20.63	-	-
	Applicable regulation				
	24(1)(a) – 31.92	24(1)(a) – 11.97	24(1)(a) – 15.99	-	-
	24(1)(b) – 112.53	24(1)(b) -29.31	24(1)(b) – 4.64		

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 under cutoff 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 taking actual Expenditure upto DOCO and Actual/estimated expenditure from DOCO to 31.03.2029.

27. Further, for the instant asset, details of accrual IDC as considered 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 05.01.2024	260.69	36.87	2.06	299.62
2	Less: Accrual IDC not discharged upto DOCO	-2.66	-0.38	-0.02	-3.06
3	Expenditure upto DOCO Excluding Accrual IDC	258.03	36.49	2.04	296.56
4	Add Cap during for FY 2024-25 as per auditor certificate	100.69	41.50	2.26	144.45
5	Add: Accrual IDC Discharged in 2024-25	2.66	0.38	0.02	3.06
6	Expenditure 2024-25 (Including Accrual IDC discharge)	103.35	41.88	2.28	147.51
7	Estimated Expenditure 2025-26	28.77	11.86	0.65	41.28
8	Estimated Expenditure 2026-27	14.38	5.93	0.32	20.63
9	Estimated Completion Cost	404.53	96.16	5.29	505.98

28. It is submitted that for the instant asset, out of the total IDC of Rs 7.62 Lakhs, Rs 4.56 Lakhs has been discharged upto DOCO. The balance IDC of Rs 3.06 Lakhs is likely to be discharged during 2024-25 r. Further, the entire amount of IEDC for the instant asset 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. 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 and Liabilities flow Statement is enclosed at **Annexure - 8**.

30. 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 - 9**.

31. 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-1 400 kV SJVN Bay at Bikaner-II (PBTSL)	51.38	110.79	115.88	117.11	116.50

32. 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.



33. 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 Para 31 above 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.
34. Approval was accorded by Board of Directors of PBTSL to borrow funds by way of an inter-corporate loan from POWERGRID. In the tariff calculation 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 the beneficiaries.
35. The transmission charges at para-31 above 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.
36. 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 Spare:

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.

37. 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) 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.
38. The Transmission Charges and other related Charges indicated at Para 31 above, 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

39. Tariff for Transmission of Electricity (Annual Fixed Cost) for 2024-29 as per para 28 above 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.

40. 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 9** 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 i.e. "1 no. of 400 kV line bay at 400/220 kV Bikaner-II PS" as 12.09.2024 as per para 16 of the instant petition.
- 2) Condone the delay in completion of subject asset on merit of the same being beyond the control of Petitioner as per para 18 of 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 transmission tariff for 2024-29 block for the assets covered under this petition, as per Para 31 above.
- 5) 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.
- 6) 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 as per Para 31 above for respective block.
- 7) 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.
- 8) 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.

- 9) 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.
- 10) Allow the Initial spares to be claimed as project as a whole.
- 11) 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.
- 12) Allow the petitioner to claim the overall insurance expenses and consequential IOWC on that insurance expenses separately as mentioned at Para 36 above.
- 13) 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.
- 14) 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.
- 15) 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 : 04.12.2024

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

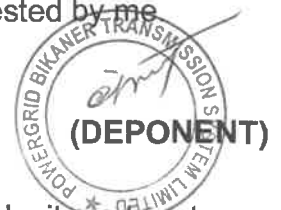
Uttar Pradesh Power Corporation Limited (UPPCL)
and others

--- 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, do hereby solemnly affirm and state as follows:-

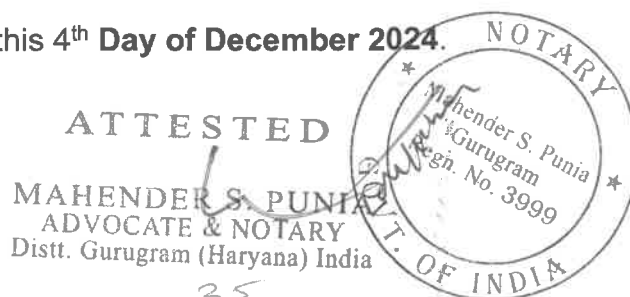
1. I am the Project-in-charge, POWERGRID Bikaner Transmission System Limited, the representative of the Petitioner in the above matter, and am duly authorized to make this affidavit.
2. I submit that the accompanying Petition under Section 62 of the Electricity Act, 2003, has been filed by my authorised 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 Para 01 to 35 of the facts 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 Para 01 to 35 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 4th Day of December 2024.





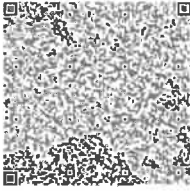
सत्यमेव जयते

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, re-

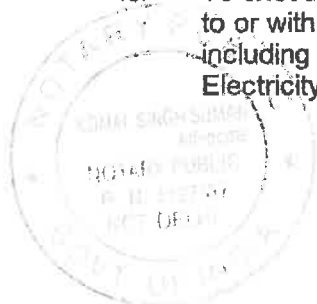


Statutory Alert:

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,



Deer



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.

..... *Subir*
Signed by the within named
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

..... *Kanchan*
(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

..... *Subir*
(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



..... *Aditi Jain*
[**Smt. Aditi Jain**
(Company Secretary)]

..... *Rajiv Srivastava*
[**Shri Rajiv Srivastava**
(Director)]

..... *Sangeeta Saxena*
[**Smt. Sangeeta Saxena**
(Director)]

- 1 MAY 2024

**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
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

(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

Order in Petition No. 137/TL/2022



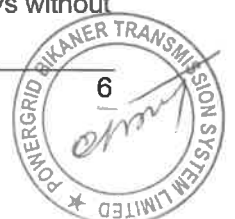
(8.1 GW) under Phase II-Part F” on Build, Own, Operate and Maintain (“BOOM”) basis consisting of the following elements:

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. 400 kV line bays – 4 numbers. 125 MVAR, 420 kV bus reactor - 2 numbers. 400 kV bus reactor bay – 2 numbers. 400 kV, 80MVAR line reactor on each circuit at Bikaner –II end of Bikaner -II – Khetri 400 kV 2xD/c Line – 4 numbers. Switching equipment for 400 kV switchable line reactor – 4 numbers.</p> <p>Future provisions: Space for 400/220 kV ICTs along with bays – 10 numbers. 400 kV line bays – 6 numbers. 220 kV line bays – 16 numbers. 420 kV reactors along with bays – 2 numbers. 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.

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 Energy Limited	Renewable Private	300	1 no. of 220 kV line bay	December'23	No Change

Order in Petition No. 137/TL/2022



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:

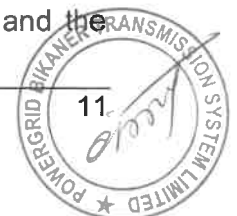
“(15) The Commission may after consideration of the further suggestions and objections, if any, received in response to the public notice as aforesaid, grant licence as nearly as practicable in Form-III attached to these regulations or for reasons to be recorded in writing, reject the application if 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

Order in Petition No. 137/TL/2022



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;

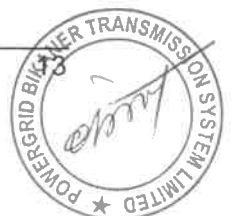


(e) The licensee shall have the liability to pay the license fee in accordance with the provisions of the Central Electricity Regulatory Commission (Payment of Fees) Regulations, 2012, as amended from time to time or any subsequent enactment thereof. Delay in payment or non-payment of licence fee or 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.

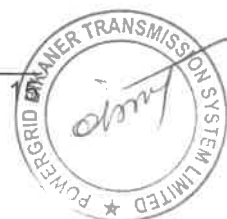
14. Let an extract copy of this order be sent to the Central Government in Ministry of Power and Central Electricity Authority in terms of sub-section (7) of Section 15 of the Electricity Act, 2003 for their information and record.

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



**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,



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

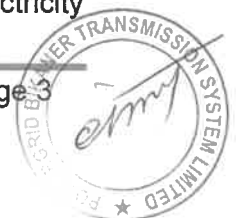
...Respondents

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)

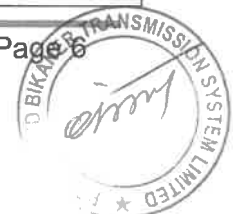
S. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	Augmentation of transformation capacity at 400/220 kV Bikaner-II PS by 400/220 kV, 1X500 MVA ICT (3 rd) along with associated transformer	500 MVA, 400/220 kV ICT – 1 no. 400 kV ICT bay (including associated tie bay) – 1 no. 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, 80MVAR 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.	1x80MVAR 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 MVAR, 2x125 MVAR MSC, 1x125 MVAR 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 TCB 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



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/00/5th CCTP

26th April 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
Northern Region		
1.	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.	POWERGRID Bikaner Transmission System Ltd. {a subsidiary of Power Grid Corporation of India Ltd. [erstwhile known as Bikaner-II Bhiwadi Transco Ltd.]}
2.	Augmentation of Transformation capacity at Bhinmal (PG) S/s by 1x315MVA, 400/220kV ICT (3rd).	Power Grid Corporation of India Ltd.
Eastern Region		
3.	Eastern Region Expansion Scheme-XXVII	Power Grid Corporation of India Ltd.
North Eastern Region		
4.	North Eastern Region Expansion Scheme-XVII (NERES-XVII)	Power Grid Corporation of India Ltd.

Detailed scope of works for the above schemes, as approved by CTU are given at **Annexure-I**.

Implementing agencies shall enter into a concession agreement with CTU for 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.



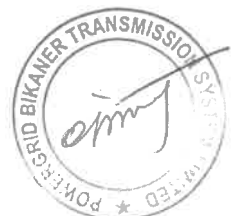
To:

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



Northern Region:**1. Implementation of 1 no. of 400 kV line bay at 400/220kV Bikaner-II PS for interconnection of 1000 MW Solar Project of SJVN Ltd.:**

Sl. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1	1 no. of 400 kV line bay at 400/220 kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd.	<ul style="list-style-type: none"> 400 kV line bay – 1 No. 	01-10-2023
Total Estimated Cost:			INR 11.62 Crore

2. Augmentation of Transformation capacity at Bhinmal (PG) S/s by 1x315 MVA, 400/220kV ICT (3rd).

Sl. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	Shifting of 1x315 MVA, 400/220kV ICT spared from Ludhiana (PG) s/s and installation of the same at Bhinmal (PG) s/s along with the implementation of associated ICT bays at Bhinmal (PG) S/s.	<ul style="list-style-type: none"> 400kV ICT Bay – 1 No. 220kV ICT Bay – 1 No. 	12 months from the issue of OM by CTUIL
Total Estimated Cost:			INR 17.61 Crore

Eastern Region:**3. Eastern Region Expansion Scheme-XXVII (ERES-XXVII)**

Sl. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	Installation of 420kV, 1x125MVA bus reactor along with associated bay at Alipuduar (POWERGRID) S/s.	<ul style="list-style-type: none"> Bus reactor: 420kV, 125MVA – 1 no. Bus reactor bay 400kV – 1 no. 	18 months from the issue of OM by CTUIL
2.	*Installation of 420kV, 63MVA switchable line reactor at Kahalgaon (NTPC) end, one each in both circuits of Kahalgaon (NTPC) – Durgapur (POWERGRID) 400kV D/c line.	<ul style="list-style-type: none"> Line reactor: 420kV, 63MVA – 2 no. Line reactor bay 400kV – 2 no. 	18 months from the issue of OM by CTUIL
Total Estimated Cost:			INR 46.62 Cr.

Note:

- a) *NTPC to provide space at Kahalgaon end for installation of switchable line reactor. NTPC vide email dated 23-02-2022 has confirmed regarding availability of space for installation of 63MVA switchable line reactors in Kahalgaon – Durgapur 400 kV D/c line and associated AIS equipment.



North Eastern Region:

4. North Eastern Region Expansion Scheme-XVII (NERES-XVII)

Sl. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1	Upgradation of 33kV system of 400/132/33kV Imphal (POWERGRID) S/s to handle 20MW per feeder: Upgradation/ modification of 33kV panels of 4 nos. outgoing feeders including CT, change of suitable HT cables & accessories and structure, etc., as required.	-	09 months from the issue of OM by CTUIL
Total Estimated Cost:			INR 2 Crore (Approx.)



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 18th Adjoined Meeting of Board of Directors of POWERGRID Bikaner Transmission System Limited held on Monday, 22nd August, 2022 at 2:30 p.m. at "Saudamini", Plot No. 2, Sector-29, Gurgaon-122001 through Video Conferencing.

Item No. 18.2.2:

Investment Approval for the RTM Projects allotted to POWERGRID Bikaner Transmission System Limited

x

x

x

The Board passed the following resolution:

"RESOLVED THAT Investment Approval is hereby accorded for an amount of Rs.92.46 Crores for Implementation of 220kV bays and 400/220kV ICTs at Bikaner-II PS and Rs. 5.76 Crores for Implementation of 400 kV line bays at 400/220 kV Bikaner-II PS.

**Certified to be True Copy
For POWERGRID Bikaner Transmission System Limited**

Shwetank Kumar
22/08/2022

**Shwetank Kumar
Ch. Mgr (Co. Sectt.)-POWERGRID
Authorized Person**

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





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 (POSO)]

उत्तर क्षेत्रीय भार प्रेषण केंद्र / Northern Regional Load Despatch Centre



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

Certificate Number: GRID-INDIA/NRLDC/SO/553

Date: 05-11-2024

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

Certificate of completion of Trial Operation of 400 kV Main Bay 416 of 400 kV Bikaner_2(PBTSL)-SJVN Line at Bikaner_2(PBTSL).

Reference:

1. POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED (PBTSL) Communication dated 27 Jul 2024 14:59, 30 Aug 2024 15:25, vide Format - I and 02 Sep 2024 15:15, 03 Sep 2024 12:20, vide Format - III regarding the submission of pre charging documents for -
i) 400kV Main Bay 416 of 400 kV Bikaner_2-SJVN Line at Bikaner_2 (PBTSL)
2. NRLDC Acknowledgement dated 02 Sep 2024 11:52 vide Format - II and Provisional Approval dated 03 Sep 2024 17:07 vide Format - IV.
3. Real time code issued by NRLDC on request of POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED (PBTSL) Real Time Code No-NR2409-591.
4. POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED (PBTSL) , Communication dated 25 Sep 2024 18:51, 09 Oct 2024 17:41, 21 Oct 2024 12:31, 01 Nov 2024 17:34, vide Format - V regarding the submission of post charging documents.
5. No Objections raised by 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:	1. 400kV Main Bay 416 of 400 kV Bikaner_2-SJVN 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	1. 10.09.2024-17:30 Hrs.
Date/Time of completion of successful trial run operation	1. 11.09.2024-17:30 Hrs.

Note:

Above mentioned bay was charged at no load as 400kV transmission line is not commissioned.

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 **without** electrical load.

Nabarun Roy
05/11/2024
Nabarun Roy

Executive Director

Place: New Delhi.

Copy to :

I. Powergrid Bikaner Transmission System Ltd.



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

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 Tariff Regulations, 2024
and
CERC (Indian Electricity Grid Code) Regulations, 2023**

(For Inter State Transmission System)

It is to certify that "400 kV line bay at 400/220 kV Bikaner-II PS (416 - SJVN)" under the Transmission system namely "IMPLEMENTATION OF 400KV LINE BAYS AT 400/220KV BIKANER-II PS" Scheme 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 their full capacity as per requirements for declaration of commercial operation w.e.f 04.09.2024 (18:29hrs)

(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 परिचय प्रणाली- 1, क्षेत्रीय कार्यालय: एस.सी.ओ. ब. 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



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/2024/316

Dated: 19.08.2024

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
400/220 kV Bikaner-II Substation Village Jaimalsar, Tehsil Kolayat,
Bikaner (Raj)-334001**

Subject: Approval for Energization of electrical installation (400 kV Line Bay 416) 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/2024/14098 dated 12.07.2024.
(2) NRIO/POWERGRID Bikaner/Raj/2024/282 Order dated 31.07.2024
(3) Compliance report uploaded on portal on 01.08.2024 & 14.08.2024

Whereas the inspection of **electrical installation (400 kV Line Bay 416) as mentioned in List of Equipment in application of M/s POWERGRID Bikaner Transmission System Limited** was carried out by the undersigned on 28.07.2024.

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 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, RIO (North)

Annexure

**List of Bays/Equipment to be Energized at 400/220kV Bikaner-II PS Under Substation Package SS-95 for Implementation of 1 no. of 400kV Line
Bay at 400/220kV Bikaner-II PS for Interconnection of 1000MW Solar Project of SJVN Ltd.**

Sl No	Bay	Equipment Name	Make	MODEL	Rating	SL Number		
						R-Phase	Y-Phase	B-Phase
1		Isolator with 1 E/S (89L)	S&S	DBR	420 KV, 3150A, 63kA/1 Sec	OC-13402/2/1/23	1817-112-07	OC-13402/2/3/23
2		CT	Mehru	OSKF-420	420 KV, 3150A, 63kA/1 Sec	OC-13402/2/2/23		
3		Circuit Breaker	Siemens	3AP3FI	420 KV, 3150A, 63kA/1 Sec	11/2023/38768		
4	416	Isolator with 1 E/S (89A)	S&S	DBR	420 KV, 3150A, 63kA/1 Sec	1817-112-09		
5		Isolator with 1 E/S (89B)	S&S	DBR	421 KV, 3150A, 63kA/1 Sec	1817-112-08		
6		LA	Oblum	SM-TZB-4R	336 KV	441	442	443
7		CVT	Siemens	TCVT 420	420 KV	4CV2305	4CV2306	4CV2307





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/2024-25/03

Date: 29-10-2024

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-1: "Implementation of 220 kV bays for RE generators and 400/220kV ICTs at Bikaner-II PS" implemented by "POWERGRID Bikaner Transmission System Ltd." - Bay No.- 202

Project-2: "Implementation of 1 no. of 400 kV line bay at 400/220kV Bikaner-II PS for interconnection of 1000 MW Solar Project of SJVN Ltd." implemented by "POWERGRID Bikaner Transmission System Ltd."

References:

- CTUIL OM dated 16.11.2021 and dated 26.04.2022.
- Letter from "POWERGRID Bikaner Transmission System Ltd." with reference no. TBCB-RTM/PBTSL/Completion Certificate dated 21.08.2024 requesting CTU for issuance of the completion certificate.
- Approval letter from CEA with reference no. NRIO/POWERGRID/Bikaner/Raj/2024/316 dated 19.08.2024 for energization of electrical installation (400kV line bay 416) under consideration.
- Approval letter from CEA with reference File No. CEA-PS-16/2/2024-CEI/Division dated 05.03.2024 for energization of electrical installation (ICT-02, ICT tertiary and bay no. 202, 205, 206, 417, 418 and associated equipment) under consideration.
- POWERGRID email dated 04.10.2024 for necessary explanation in case No load charging has not been done due to any reason.
- Undertaking from "POWERGRID Bikaner Transmission System Ltd." 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.



- (ii) CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007.
 (iii) CEA (Technical Standards for Communication in Power System Operation) Regulations, 2020.
 (iv) CEA (Measures relating to Safety and Electricity Supply) Regulations, 2023

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 (Bay No. -202 at 400/220kV Bikaner-II S/s for Juna Renewable Energy Pvt. Ltd.) under the scheme "Implementation of 220 kV bays for RE generators and 400/220kV ICTs at Bikaner-II PS"	Not Applicable	25.07.2024
2	"Implementation of 1 no. of 400 kV line bay at 400/220kV Bikaner-II PS for interconnection of 1000 MW Solar Project of SJVN Ltd." (Main Bay No.-416)	Not Applicable	19.08.2024

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:

नाम/Name: Atul Kumar Agarwal

पदनाम/Designation: Chief General Manager

Date: 29-10-2024





सेंट्रल ट्रांसमिशन यूलिटी 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)

संदर्भ/Ref: CTU/CMG/27th NR-JCC/MoM

दिनांक/Date: 03.11.2023

वितरण सूची के अनुसार/ As per Distribution List

विषय: उत्तरी क्षेत्र में विद्युत उत्पादन एवं पारेषण परियोजनाओं के लिए 27^{वीं} संयुक्त समन्वय समिति की बैठक - बैठक के कार्यवृत्त / 27th Joint Co-ordination Committee Meeting for Generation & Transmission projects of Northern Region- Minutes of Meeting

महोदय/महोदया/ Sir/ Ma'am,

उत्तरी क्षेत्र की संयुक्त समन्वय समिति की 27^{वीं} बैठक 26 सितंबर, 2023 को वीडियो कॉन्फ्रेंस के माध्यम से उत्पादन और ISTS पारेषण परियोजनाओं की स्थिति की समीक्षा करने के लिए आयोजित की गई थी। इस संबंध में, उत्पादन प्रोजेक्ट्स और संबंधित ISTS पारेषण प्रणाली की प्रगति का संकेत देते हुए बैठक के कार्यवृत्त संलग्न है। उक्त कार्यवृत्त सी.टी.यू. की वेबसाइट (www.ctuil.in >> ISTS Planning and Coordination >> Joint Coordination Committee Meetings >> Northern Region) पर भी उपलब्ध है।

The 27th meeting of Joint Co-ordination Committee was held on 26th September, 2023 through Video Conference to review the status of upcoming generation & transmission projects in the Northern Region. In this regard, please find enclosed the Minutes of Meeting indicating the progress of generation projects and associated ISTS transmission system. The same is also available on CTU website (www.ctuil.in >> ISTS Planning and Coordination >> Joint Coordination Committee Meetings >> Northern Region).

धन्यवाद/ Thanking you,

भवदीय / Yours faithfully,

(अभिजित झा) / (Abhijit Jha)

मुख्य-प्रबंधक/ Chief Manager



SL. No.	St-II & LTA Applicant	LTA Quantum (MW)	Target Firm Beneficiaries	Gen Comm. Schedule/Date from which connectivity required (as per St-III/connectivity Intimation)	Gen Comm. Schedule (As per 26th JCC)	Schedule as per 27th JCC		LTA grant dates (as per intimation) / Likely LTA Operationalisation dates	Remarks
						Under Grantee scope Gen Commissioning/Connectivity line schedule	Under ISTS Scope Connectivity / LTA System		
	LTA: (1200003935)					Limited Solar Power Project – Bikaner-II PS 220 kV S/c line on D/c tower DTL: 30/04/2024 Generation PS:30/04/2024	Awarded to PBTSL with SCOD-31.03.24 LTA System: Extension of LILO section from Bikaner (PG) up to Bikaner-II PS to form Bikaner-II PS – Bikaner (PG) 400KV D/c(Quad) line Phase-II part F1– Commissioned on 11.07.2023 & NR-WR Corridor: 14th May'24		Certain elements are identified by MSETCL for transaction of Power to MSEDCL. CTU informed Grantee to take the matter with MSETCL for availability of ATC. NoC not received from MSETCL.
44.	SJVN Limited 1200003559 LOA (IREDA)	1000 0 (Target)	1000MW – NR (Target)	Final 01.10.2023	250: 01.10.23 250: 01.11.23 250: 01.12.23 250: 01.01.24	Generation : 250 MW: 01.10.23; 250 MW: 01.11.23; 250 MW: 01.12.23;	400 KV bay at Bikaner-II PS shall be implemented under ISTS – Awarded to PBTSL with SCOD-31.12.23	15.05.24 LTA to be operationalized on 15/05/24	Grantee did not attend this meeting. Connection Agreement Signed.



SL. No.	St-II & LTA Applicant	LTA Quantum (MW)	Target/Firm Beneficiaries	Gen Comm. Schedule/Date from which connectivity required (as per St-III/connectivity Intimation)	Gen Comm. Schedule (As per 26 th JCC)	Schedule as per 27 th JCC		LTA grant dates (as per intimation) / Likely LTA Operationalisation dates	Remarks
						Under Grantee scope	Under ISTS Scope		
						<p>250 MW: 01.01.24</p> <p>Dedicated system SJVN Limited Solar Power Project – Bikaner-II PS 400 kV S/c line on D/c tower# (high capacity) line</p> <p>DTL: 30.09.2023</p> <p>PS : 23.09.2022</p>	<p>LTA System: Extension of LLO section from Bikaner (PG) up to Bikaner-II PS to form Bikaner-II PS – Bikaner (PG) 400kV D/c(Quad) line Phase-II part F1–</p> <p>Commissioned on 11.07.2023</p> <p>NR-WR Corridor : 14th May'24</p>		
45.	ACME Solar Holdings Pvt. Ltd. 1200003683 LOA MSEDCL LTA: 200003829	300		Final 25.11.2023	03.10.2023	<p>Generation : 31.03.2024</p> <p>Dedicated system ACME Solar Holdings Pvt. Ltd. Power Project – Bikaner-II PS 220 kV S/c line on D/c</p>	<p>Connectivity: 220 kV Bay at Bikaner-II PS shall be under the ISTS scope – Awarded to PBTSL Expected -Nov'23</p> <p>LTA System:</p>	15/05/24	<p>Bay is near completion.</p> <p>Applicant is liable to pay bilateral charges as per IR applicable Regulations of CERC</p>





सेंट्रल ट्रांसमिशन यूलिटी 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)

संदर्भ/Ref: CTU/CMG/28th NR-JCC/MoM

दिनांक/Date: 26.02.2024

वितरण सूची के अनुसार/ As per Distribution List

विषय: उत्तरी क्षेत्र में विद्युत उत्पादन एवं पारेषण परियोजनाओं के लिए 28^{वीं} संयुक्त समन्वय समिति की बैठक - बैठक के कार्यवृत्त / 28th Joint Co-ordination Committee Meeting for Generation & Transmission projects of Northern Region- Minutes of Meeting

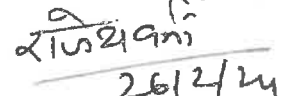
महोदय/महोदया/ Sir/ Ma'am,

उत्तरी क्षेत्र की संयुक्त समन्वय समिति की 28^{वीं} बैठक 05 जनवरी, 2024 को वीडियो कॉन्फ्रेंस के माध्यम से उत्पादन और ISTS पारेषण परियोजनाओं की स्थिति की समीक्षा करने के लिए आयोजित की गई थी। इस संबंध में, उत्पादन प्रोजेक्ट्स और संबंधित ISTS पारेषण प्रणाली की प्रगति का संकेत देते हुए बैठक के कार्यवृत्त संलग्न है। उक्त कार्यवृत्त सी.टी.यू. की वेबसाइट (www.ctuil.in >> ISTS Planning and Coordination >> Joint Coordination Committee Meetings >> Northern Region) पर भी उपलब्ध है।

The 28th meeting of Joint Co-ordination Committee was held on 5th January, 2024 through Video Conference to review the status of upcoming generation & transmission projects in the Northern Region. In this regard, please find enclosed the Minutes of Meeting indicating the progress of generation projects and associated ISTS transmission system. The same is also available on CTU website (www.ctuil.in >> ISTS Planning and Coordination >> Joint Coordination Committee Meetings >> Northern Region).

धन्यवाद/ Thanking you,

भवदीय / Yours faithfully,


26/2/24
(Rajesh Verma)
General Manager



SL. No.	Connectivity Applicant	Connectivity Quantum (MW)	Gen Comm. Schedule (As per 27 th JCC)	Schedule as per 28 th JCC		Connectivity Start Date under GNA and Connectivity Effectiveness date	Remarks
				Under Grantee scope Gen Commissioning / Connectivity line schedule	Under ISTS Scope Connectivity/ Transmission System		
				Generation PS:16/12/2024	(PG) 400kV D/c(Quad) line Phase-II part F1- Commissioned on 11.07.2023 & NR-WR Corridor: 14 th May'24		NoC not received from MSETCL.
49	SJVN Limited 1200003559 LOA (IREDA)	1000	250: 01.10.23 250: 01.11.23 250: 01.12.23 250: 01.01.24	Generation : 250 MW: 15.04.24; 250 MW: 15.06.24; 250 MW: 15.07.24; 250 MW: 15.08.24	Connectivity System under GNA: 400 KV bay at Bikaner-II PS shall be implemented under ISTS – Awarded to PBTSL with SCOD-31.12.23	Start date of Connectivity under GNA: Final 15.05.2024 Connectivity likely to be operationalized on 15.05.2024	Grantee didn't attend this meeting. Connection Agreement Signed.
	Earlier LTA : 1200003937			Dedicated system SJVN Limited Solar Power Project – Bikaner-II PS	Connectivity System under GNA: Extension of LILO section from Bikaner (PG) up to Bikaner-II PS to form Bikaner-II PS – Bikaner (PG) 400kV D/c(Quad) line Phase-II part F1-		



SL. No.	Connectivity Applicant	Connectivity Quantum (MW)	Gen Comm. Schedule (As per 27 th JCC)	Schedule as per 28 th JCC		Connectivity Start Date under GNA and Connectivity Effectiveness date	Remarks
				Under Grantee scope Gen Commissioning / Connectivity line schedule	Under ISTS Scope Connectivity/ Transmission System		
50.	ACME Solar Holdings Pvt. Ltd. 1200003683 LOA MSEDCL Earlier LTA : (1200003829)	300	31.03.2024	400 kV S/c line on D/c tower# (high capacity) line DTL: 30.09.2023 PS : 23.09.2022	Commissioned on 11.07.2023 Phase-II Part-F & G NR-WR Corridor: 14.05.2024		Applicant is liable to pay bilateral charges as per applicable Regulations of CERC
				Generation : 30.09.2024	Connectivity: 220 kV Bay at Bikaner-II PS shall under the ISTS scope – Awarded to PBTSL Expected Comm. – 31 st Mar'24	Start date of Connectivity under GNA: Final 15.05.2024	
				Dedicated system ACME Solar Holdings Pvt. Ltd. Power Project – Bikaner-II PS 220 kV S/c line on D/c tower# DTL: 30.09.2024	Connectivity System under GNA: Extension of LILO section from Bikaner (PG) up to Bikaner-II PS to form Bikaner-II PS – Bikaner (PG) 400kV D/c(Quad) line Phase-II part F1–		Connectivity likely to be operationalized upon commissioning of required Transmission system. i.e. 15.05.2024





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)

संदर्भ/Ref: CTU/CMG/29th NR-JCC/MoM

दिनांक/Date: 16.05.2024

वितरण सूची के अनुसार/ As per Distribution List

विषय: उत्तरी क्षेत्र में विद्युत उत्पादन एवं पारेषण परियोजनाओं के लिए 29^{वीं} संयुक्त समन्वय समिति की बैठक – बैठक के कार्यवृत्त / 29th Joint Co-ordination Committee Meeting for Generation & Transmission projects of Northern Region- Minutes of Meeting

महोदय/महोदया/ Sir/ Ma'am,

उत्तरी क्षेत्र की संयुक्त समन्वय समिति की 29^{वीं} बैठक 27 मार्च, 2024 को वीडियो कॉन्फ्रेंस के माध्यम से उत्पादन और ISTS पारेषण परियोजनाओं की स्थिति की समीक्षा करने के लिए आयोजित की गई थी। इस संबंध में, उत्पादन प्रोजेक्ट्स और संबंधित ISTS पारेषण प्रणाली की प्रगति का संकेत देते हुए बैठक के कार्यवृत्त संलग्न है। उक्त कार्यवृत्त सी.टी.यू. की वेबसाइट (www.ctuil.in >> *ISTS Planning and Coordination >> Joint Coordination Committee Meetings >> Northern Region*) पर भी उपलब्ध है।

The 29th meeting of Joint Co-ordination Committee was held on 27th March, 2024 through Video Conference to review the status of upcoming generation & transmission projects in the Northern Region. In this regard, please find enclosed the Minutes of Meeting indicating the progress of generation projects and associated ISTS transmission system. The same is also available on CTU website (www.ctuil.in >> *ISTS Planning and Coordination >> Joint Coordination Committee Meetings >> Northern Region*).

धन्यवाद/ Thanking you,

भवदीय / Yours faithfully,



(Ranveer Singh)
Chief Manager



SL. No.	Connectivity Applicant	Connectivity Quantum (MW)	Gen Comm. Schedule (As per 28 th JCC)	Schedule as per 29 th JCC		Connectivity Start Date under GNA and Connectivity Effectiveness date	Remarks
				Under Grantee scope / Gen Commissioning / Connectivity line schedule	Under ISTS Scope Connectivity/ Transmission System		
49	SJVN Limited 12000033559 LOA (IREDA) Earlier LTA : 12000033937	1000	250 MW: 15.04.24; 250 MW: 15.06.24; 250 MW: 15.07.24; 250 MW: 15.08.24	Generation : 250 MW: 15.04.24; 250 MW: 15.06.24; 250 MW: 15.07.24; 250 MW: 15.08.24 Dedicated system SJVN Limited Solar Power Project – Bikaner-II PS 400 kV S/c line on D/c tower# (high capacity) line DTL: 30.09.2023 PS : 23.09.2022	& NR-WR Corridor: 30 th Apr'24 Connectivity System under GNA: 400 kV bay at Bikaner-II PS implementing under ISTS – Awarded to PBTSL with SCOD- 31.12.23 Exp. 15.05.2024 Connectivity System under GNA: Extension of LILO section from Bikaner (PG) up to Bikaner-II PS to form Bikaner-II PS – Bikaner (PG) 400kV D/c(Quad) line Phase-II part F1– Commissioned on 11.07.2023 Phase-II Part-F Phase-II Part-G -Jun'24	Start date of Connectivity under GNA: 15.05.2024(Final) Connectivity likely to be operationalized on 01.07.2024.	Grantee didn't attend this meeting. Connection Agreement Signed.





सेंट्रल ट्रांसमिशन यूलिटी 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)

संदर्भ/Ref: CTU/CMG/30th NR-JCC/MoM

दिनांक/Date: 10.08.2024

वितरण सूची के अनुसार/ As per Distribution List

विषय: उत्तरी क्षेत्र में विद्युत उत्पादन एवं पारेषण परियोजनाओं के लिए 30^{वीं} संयुक्त समन्वय समिति की बैठक - बैठक के कार्यवृत्त / 30th Joint Co-ordination Committee Meeting for Generation & Transmission projects of Northern Region- Minutes of Meeting

महोदय/महोदया/ Sir/ Ma'am,

उत्तरी क्षेत्र की संयुक्त समन्वय समिति की 30^{वीं} बैठक 26 जून, 2024 को वीडियो कॉन्फ्रेंस के माध्यम से उत्पादन और ISTS पारेषण परियोजनाओं की स्थिति की समीक्षा करने के लिए आयोजित की गई थी। इस संबंध में, उत्पादन प्रोजेक्ट्स और संबंधित ISTS पारेषण प्रणाली की प्रगति का संकेत देते हुए बैठक के कार्यवृत्त संलग्न है। उक्त कार्यवृत्त सी.टी.यू. की वेबसाइट (www.ctuil.in >> ISTS Planning and Coordination >> Joint Coordination Committee Meetings >> Northern Region) पर भी उपलब्ध है।

The 30th meeting of Joint Co-ordination Committee was held on 26th June, 2024 through Video Conference to review the status of upcoming generation & transmission projects in the Northern Region. In this regard, please find enclosed the Minutes of Meeting indicating the progress of generation projects and associated ISTS transmission system. The same is also available on CTU website (www.ctuil.in >> ISTS Planning and Coordination >> Joint Coordination Committee Meetings >> Northern Region).

धन्यवाद/ Thanking you,

भवदीय / Yours faithfully,

(Ranveer Singh)
Chief Manager

SL. No.	Connectivity Applicant	Connectivity Quantum (MW)	Gen Comm. Schedule (As per 29 th JCC)	Schedule as per 30 th JCC		Connectivity Start Date under GNA and Connectivity Effectiveness date	Remarks
				Under Grantee scope Gen Commissioning / Connectivity line schedule	Under ISTS Scope Connectivity/ Transmission System		
107.	SJVN Limited 1200003559 LOA (IREDA)	1000	250 MW: 15.04.24; 250 MW: 15.06.24; 250 MW: 15.07.24; 250 MW: 15.08.24	Generation : 250 MW: 30/09/24; 250 MW: 30/11/24; 250 MW: 31/12/24; 250 MW: 31/01/25 Dedicated system	Commissioned on 11.07.2023. Rajasthan SEZ Phase-II Part G: Under Implementation (expected by 31.12.2024) & NR-WR Corridor: Charged on 27.06.2024	Start date of Connectivity under GNA: 15.05.2024(Final) Connectivity likely to be operationalized on 01.01.2025.	Agreement Signed.



SL- No.	Connectivity Applicant	Connectivity Quantum (MW)	Gen Comm. Schedule (As per 29 th JCC)	Schedule as per 30 th JCC		Connectivity Start Date under GNA and Connectivity Effectiveness date	Remarks
				Under Grantee scope Gen Commissioning / Connectivity line schedule	Under ISTS Scope Connectivity/ Transmission System		
108.	ACME Solar Holdings Pvt. Ltd. 1200003683 LOA MSEDCL Earlier LTA :	300	31.10.2024	SJVN Limited Solar Power Project – Bikaner-II PS 400 kV S/c line on D/c tower# (high capacity) line DTL: 30.09.2023 PS : 23.09.2022	(PG) up to Bikaner-II PS to form Bikaner-II PS – Bikaner (PG) 400kV D/c(Quad) line Phase-II part F1 – Commissioned on 11.07.2023 Phase-II Part-F - commissioned Phase-II Part-G -Dec'24 NR-WR Corridor: Charged on 27.06.2024		Applicant is liable to pay bilateral charges as per applicable Regulations of CERC. Petition filed in CERC for connectivity and order reserved. 15.05.2024 (Final) Connectivity likely to be operationalized upon commissioning of required





सेंद्रल ट्रान्समिशन युटिलिटी 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)

संदर्भ/Ref: CTU/CMG/31st NR-JCC/MoM

दिनांक/Date: 17.11.2024

वितरण सूची के अनुसार/ As per Distribution List

विषय: उत्तरी क्षेत्र में विद्युत उत्पादन एवं पारेषण परियोजनाओं के लिए 31^{वीं} संयुक्त समन्वय समिति की बैठक – बैठक के कार्यवृत्त / 31st Joint Co-ordination Committee Meeting for Generation & Transmission projects of Northern Region- Minutes of Meeting.

महोदय/महोदया/ Sir/ Ma'am,

उत्तरी क्षेत्र की संयुक्त समन्वय समिति की 31^{वीं} बैठक 30 सितंबर, 2024 को वीडियो कॉन्फ्रेंस के माध्यम से उत्पादन और ISTS पारेषण परियोजनाओं की स्थिति की समीक्षा करने के लिए आयोजित की गई थी। इस संबंध में, उत्पादन प्रोजेक्ट्स और संबंधित ISTS पारेषण प्रणाली की प्रगति का संकेत देते हुए बैठक के कार्यवृत्त संलग्न है। उक्त कार्यवृत्त सी.टी.यू. की वेबसाइट (www.ctuil.in >> ISTS Planning and Coordination >> Joint Coordination Committee Meetings >> Northern Region) पर भी उपलब्ध है।

The 31st meeting of Joint Co-ordination Committee was held on 30th Sept 2024 through Video Conference to review the status of upcoming generation & transmission projects in the Northern Region. In this regard, please find enclosed the Minutes of Meeting indicating the progress of generation projects and associated ISTS transmission system. The same is also available on CTU website (www.ctuil.in >> ISTS Planning and Coordination >> Joint Coordination Committee Meetings >> Northern Region).

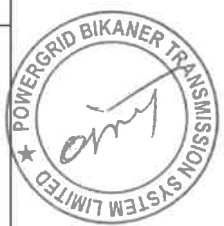
धन्यवाद/ Thanking you,

भवदीय / Yours faithfully,

(Ranveer Singh)
Chief Manager,



SL No.	Connectivity Applicant	Connectivity Quantum (MW)	Gen Comm. Schedule (As per 30 th JCC)	Schedule as per 31 st JCC		Connectivity Start Date under GNA and Connectivity Effectiveness date	Remarks
				Under Grantee scope / Gen Commissioning / Connectivity line schedule	Under ISTS Scope / Connectivity / Transmission System		
94.	SJVN Limited 1200003559 LOA (IREDA)	1000		Commissioned on 11.07.2023. Rajasthan SEZ Phase-II Part G: (expected by 31.03.2025) & NR-WR Corridor: Charged on 27.06.2024	on		
	Earlier LTA :			Generation : 250 MW: 30/09/24; 250 MW: 30/11/24; 250 MW: 31/12/24; 250 MW: 28/02/25; 250 MW: 30/04/25; 250 MW: 31/06/25	Connectivity System under GNA: 400 kV bay at Bikaner-II PS Charged on 04.09.2024	Start date of Connectivity under GNA: 15.05.2024(Final)	Not attended this meeting Connection Agreement Signed.
				Dedicated system	Connectivity System under GNA: Extension	Connectivity likely to be operationalized on 31.03.2025.	



SL. No.	Connectivity Applicant	Connectivity Quantum (MW)	Gen Comm. Schedule (As per 30 th JCC)	Schedule as per 31 st JCC		Connectivity Start Date under GNA and Connectivity Effectiveness date	Remarks
				Under Grantee scope / Gen Commissioning / Connectivity line schedule	Under ISTS Scope Connectivity/ Transmission System		
	1200003937			SJVN Limited Solar Power Project – Bikaner-II PS 400 kV S/c line on D/c tower# (high capacity) line DTL: 30.09.2023 PS : 23.09.2022	of LILO section from Bikaner (PG) up to Bikaner-II PS to form Bikaner-II PS – Bikaner (PG) 400kV D/c(Quad) line Phase-II part F1 – Commissioned on 11.07.2023 Phase-II Part-F - commissioned Phase-II Part-G - 31.03.2025 NR-WR Corridor: Charged on 27.06.2024		
95.	ACME Solar Holdings Pvt. Ltd. 1200003683	300	31.10.2024	Generation : 15.01.2025	Connectivity: 220 kV Bay at Bikaner-II PS shall under the	Start date of Connectivity under GNA: Applicant is liable to pay bilateral charges as per applicable Regulations of CERC.	



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

Ref: NR-1/PBTSL/Bikaner-II/Trial Run Notice/SJVN/02

Date: 03.09.2024

To,

1. Executive Director, CTUIL
2. Chairman & Managing Director, Rajasthan Rajya Vidyut Prasaran Nigam Ltd, Vidhyut Bhawan, Janpath, Jaipur-302005.
3. Chief Engineer (LD), State Load Despatch Centre, Rajasthan Rajya Vidyut Prasaran Nigam Ltd., Ajmer Road, Heerapura, Jaipur-302024

Subject: Trial Run Notice for 400 kV Line Bay 416 at 400/220 kV Bikaner-II SS-Reg.

Dear Sir,

This is in continuation to our previous letters Ref: NR-1/PBTSL/Bikaner-II/Trial Run Notice/SJVN/01 dated: 23.08.2024, it is to inform you that charging of 400 kV Line Bay 416 at 400/220 kV Bikaner-II SS has been rescheduled on 10.09.2024 due to some unavoidable hindrance on the earlier mentioned date (02.09.2024).

In view of the above, the trial run of the 400 kV Line Bay 416 shall commence w.e.f. 10.09.2024 and After 24 Hrs. of successful completion of trial run, DOCO/Commercial Operation shall be declared.

Yours Sincerely,

Abhimanyu

Abhimanyu Shekhawat
अभिमान्यु शेखवात, Abhimanyu Shekhawat
DGM/Bikaner-II SS
श्री महासंचालक, राजस्थान राज्या विद्युत प्रासारण निगम लिमिटेड
पावर ग्रिड बीकानेर ट्रांसमिशन सिस्टम लिमिटेड
Power Grid Bikaner Transmission System Ltd.
400 के.वी. उपकेन्द्र, बीकानेर-II
400 KV Substation Bikaner-II

CC:

1. Head, NRLDC- New Delhi,
2. GM (Planning NR)-CTU, Gurugram.
3. ED, NR-1 & CGM Jaipur/Bikaner for kind information

Distribution list:

1. Managing Director, Delhi Transco Ltd., Shakti Sadan Building Kotla Road, New Delhi-110 002
2. General Manager (SLDC), Delhi Transco Ltd., SLDC Building, 33 kV Substation Building, Minto Road, New Delhi-110 002.
3. Chairman & Managing Director, Rajasthan Rajya Vidyut Prasaran Nigam Limited, Vidyut Bhawan, Janpath, Jaipur- 302005
4. Chief Engineer (LD), State Load Despatch Centre, Rajasthan Rajya Vidyut Prasaran Nigam Ltd., Ajmer Road, Heerapura, Jaipur-302024
5. Chairman & Managing Director, Punjab State Transmission Corporation Ltd. Regd. Office, PSEB Head office, The Mall, Patiala-147 001.
6. Chief Engineer (SLDC), SLDC Building, near 220KV grid substation, PSTCL, Ablawal, Patiala-147001

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 पारेषण प्रणाली- I, क्षेत्रीय कार्यालय: एस.सी.ओ. बें.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



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

Ref: NR-1/PBTSL/Bikaner-II/Trial Run Notice/SJVN/01

Date: 23.08.2024

To,

1. Executive Director, CTUIL
2. Chairman & Managing Director, Rajasthan Rajya Vidyut Prasaran Nigam Ltd, Vidhyut Bhawan, Janpath, Jaipur-302005.
3. Chief Engineer (LD), State Load Despatch Centre, Rajasthan Rajya Vidyut Prasaran Nigam Ltd., Ajmer Road, Heerapura, Jaipur-302024

Subject: Trial Run Notice for 400 kV Line Bay 416 at 400/220 kV Bikaner-II SS-Reg.

Dear Sir,

It is to bring your kind notice that the construction work and pre commissioning tests of 400 kV Main Bay 416 at Bikaner-II SS has been completed in all respect.

In view of the above, the trial run of the 400 kV Main Bay 416 shall commence w.e.f. 02.09.2024 and After 24 Hrs. of successful completion of trial run, DOCO/Commercial Operation shall be declared.

Yours Sincerely,

Abhimanyu

अभिमान्यु शेखवाट / Abhimanyu Shekhawat
उप महाप्रबन्धक / Deputy General Manager
पावर ग्रिड बीकानेर ट्रांसमिशन सिस्टम लिमिटेड
Power Grid Bikaner Transmission System Ltd.
400 के.वी. उपकेन्द्र, बीकानेर-II
400 KV Substation Bikaner-II

CC:

1. Head, NRLDC- New Delhi,
2. GM (Planning NR)-CTU, Gurugram.
3. ED, NR-1 & CGM Jaipur/Bikaner for kind information

Distribution list:

1. Managing Director, Delhi Transco Ltd., Shakti Sadan Building Kotla Road, New Delhi-110 002
2. General Manager (SLDC), Delhi Transco Ltd., SLDC Building, 33 kV Substation Building, Minto Road, New Delhi-110 002.
3. Chairman & Managing Director, Rajasthan RajyaVidyutPrasaran Nigam Limited, Vidyut Bhawan, Janpath, Jaipur- 302005
4. Chief Engineer (LD), State Load Despatch Centre, Rajasthan RajyaVidyutPrasaran Nigam Ltd., Ajmer Road, Heerapura, Jaipur-302024
5. Chairman & Managing Director, Punjab State Transmission Corporation Ltd. Regd. Office, PSEB Head office, The Mall, Patiala-147 001.
6. Chief Engineer (SLDC), SLDC Building, near 220KV grid substation, PSTCL, Ablowal, Patiala-147001

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 पारेषण 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



7. Managing Director, PTCUL, VidyutBhawan, Near I.S.B.T. crossing, Sharanpur Road, Majra, Dehradun-248001.
8. Chief Engineer (SLDC), VidyutBhawan, Saharanpur Road, Majra, Near ISBT, Dehradun-248001, Uttarakhand
9. Managing Director, HPSEB Limited, Kumar House, VidyutBhawan, Shimla-171 004Himachal Pradesh.
10. Director (SLDC), HP State Load Dispatch Centre, Totu, Shimla-171 001.
11. Chairman & Managing Director, Haryana VidyutPrasaran Nigam Ltd., Shakti Bhawan, Sector-6, Panchkula, Distt. Ambala, Haryana-134 109.
12. Chief Engineer (SO & SLDC), Haryana VidyutPrasaran Nigam Ltd., Shakti Bhawan, Sector-6, Panchkula, Distt. Ambala, Haryana-134 109. Ph: 01722560547.
13. Chief Engineer (Power System), 5th-floor Uttar Pradesh Power transmission Corporation Ltd., Shakti Bhawan, 14Ashok Marg, Lucknow-226 001.Ph: 2287879.
14. Chairman & Managing Director, Uttar Pradesh Power transmission Corporation Ltd., Shakti Bhawan, 14- Ashok Marg, Lucknow-226 001.
15. Director (SLDC), VibhutiKhand, Phase-2, Gomti Nagar, Lucknow-226010, Uttar Pradesh
16. Development Commissioner, Power Development Department (J&K), Lottery Building, Behind Civil Secretariat, Srinagar, J&K Pin code: 190009 Fax no. 0194-2452173.
17. Development Commissioner, Power Development Department (J&K), Grid Station Complex, janipur, jammu. 0191-2530265
18. Executive Engineer, SLDC Building, 220kV Gladini Grid Station Complex, NarwalBala, Gladini-180016, J&K.
19. Chief Engineer, UT of Chandigarh (Elec. Deptt. 1st Floor), Sector 9-D, Chandigarh160019.
20. Superintending Engineer (Elect. Op), UT of Chandigarh (Elec. Deptt. 5th Floor), Sector 9-D, Chandigarh-160019. Ph: 0172- 2703242
21. Director (Operation), Nuclear Power Corporation of India Ltd, 16th Floor, Centre-I, World Trade Centre, Cuffe Parade, Colaba, Mumbai - 400 005, India.
22. Station Director, Narora Atomic Power Station, Narora, Distt. - Bulandshahar, Uttar Pradesh-202389, FAX:05734-222177
23. Station Director, Rajasthan Atomic Power Station (B & C), Anu Shakti vihar Kota, Anu Shakti, Rajasthan-323303, FAX: 01475-242190
24. Executive Director (OS), NTPC, Core-6, Scope Complex, Lodhi Road-110003, New Delhi
25. Regional Executive Director (NC), NTPC, NCR Headquarters, EOC Building, 11th Floor, OS Dept., Plot No.-8A, Sector-24, Noida, Uttar Pradesh-201301.
26. Regional Executive Director (NR), NTPC, Northern Region Headquarters, TC 33/V1, VibhutiKhand, Gomti Nagar, Lucknow226010.
27. Executive Director (Comml.) NHPC Ltd., NHPC Office Complex, Sector-33, FARIDABAD-121003, Haryana.
28. Executive Director (O&M) NHPC Ltd., NHPC Office Complex, Sector-33, FARIDABAD-121003, Haryana.
29. Chairman and Manager Director, SJVN Ltd, Shakti Sadan, Corporate Office Complex, Shanani, Shimla-171006, Himachal Pradesh. Tel: 0177-2660010, FAX: 0177-2660011



30. General Manager, SJVN Ltd, Nathpa Jhakri Hydro Power Station, Tehsil Rampur, Himachal Pradesh- 172201. FAX: 0177-2673283
31. General Manager(C&SO), SJVN Limited, Sharma Niwas, Below BCS, New Shimla, Shimla, Himachal Pradesh-171009. Tel No.: 0177-2673463, Fax No.: 0177-2673283
32. General Manager (Project), Koteshwar, Koteshwar puram, THDC India Ltd., Bhagarath Bhawan, Bhaghirath Puram, Tehri (Garhwal), Uttarakhand- 249 001, FAX: 01376-235282
33. General Manager (Project), THDC India Ltd., Bhagarath Bhawan, Bhaghirath Puram, Tehri (Garhwal), Uttarakhand- 249 001, FAX: 01376-235282
34. General Manager (OMS, QA & Safety), THDC India Ltd., Pragatipuram, Bypass Road, Rishikesh- 249201, Uttarakhand
35. Head of the plant, Karcham Wangtoo Hydro Electric Project (KWHEP), 1000MW, Sholto colony, JPVL, Post office- Tapri, Tehsil-Nichar, District-Kinnaur (HP), Pincod-172104
36. Chairman, Bhakra Beas Management Board, sector-19-B, Madhya Marg, Chandigarh-160019
37. Director (PR), BBMB, SLDC Complex, Industrial Area, Phase-I, Chandigarh160002
38. CEO, Power links Transmission Ltd. 10th Floor, DLF Tower A, District Centre Jasola, New Delhi -110025.
39. Director, Operations, Powerlinks Transmission Ltd., 10th Floor, DLF TowerA, District Centre, Jasola, New Delhi-110044
40. CEO, JaypeePowergrid Ltd., JA House, 63, BasantLok, Vasant Vihar, New Delhi-110057.Fax: +91 11 26148890, 26142726
41. Executive Director & CEO, Jaypee Powergrid ltdF-Block, Sector -128 Noida- U.P.
42. Executive Director (NR-1), POWERGRID, SCO, Bay 5-10, Sector-16A, Faridabad, Haryana-121002
43. Executive Director (NR-2), POWERGRID, Grid Bhawan, Rail Head Complex, Jammu- 180012.
44. Executive Director, NR-3, POWERGRID, 12, MaharanaPratap Marg, Near Sikandar Bag Chauraha, Lucknow-226001
45. Director, Adani Power Ltd, AdaniHouse, Plot No.83, Institutional Area, Sector 32, Gurgaon, Haryana-122001
46. Head Plant, Greenko Budhil Hydro Power Project, Village- Thalla, P.O.- Ghared, Tehsil- Bharmour, Distt. -Chamba, Himachal Pradesh-176315.
47. A.G.M. (BD), ADHPL, Bhilwara Towers, A-12 Sector-1, Noida-201301
48. GM (OS), NRHQ NTPC Ltd TC-33/V-1, Vibhuti Khand, Gomti Nagar Lucknow-201301
49. General Manager, Singrauli Super thermal Power Station, NTPC, P.O. -Shakti Nagar, Distt. - onebhadra, Shakti Nagar, Uttar Pradesh-231 222, FAX: 05446-232021
50. General Manager, Rihand Super thermal Power Station (stage- I, II& III), NTPC, P.O. -Rihand Nagar, Distt. -Sonebhadra, Shakti Nagar, Uttar Pradesh-231 223, FAX: 05446-242437
51. Head of Project, NTPC-Dadri, Vidyut Nagar-201008, Distt. Gautam Budh Nagar, UP



52. General Manager (stage I, II & III), Firoz Gandhi Unchahar Thermal Power Project, P.O. Unchahar, Distt. Rai Bareilly, Uttar Pradesh, FAX: 05311-212210
53. General Manager, Auraiya Gas Power Project, P.O. Dibiyapur, Distt. Etawah, Uttar Pradesh-206 244, FAX: 05683-282341
54. General Manager, Anta Gas Power Proeject, Distt. Baran, Rajasthan-325 209, FAX: 07457-246066
55. General Manager, Uri Power Station, NHPC Ltd., Gingle, P.O. –Mohra, DisttBaramulla, J & K-193122, FAX:011-23736496
56. General Manager, URI PROJ STAGE-II NHPC OFFICE COMPLEX RAJARWANI POST OFF. LAGAMA, TEHSIL URI, DISTT. BARAMULLA J&K - 193 125
57. General Manager, Salal Hydro Electric Project, NHPC Ltd., P.O. Jyotipuram, Via Reasi, Distt. Udhampur, J & K-182 312, FAX: 01991-255706
58. GM, Chamera Hydro Electric Project-I, NHPC Ltd., P.O. Khairi, Distt. Chamba, Himachal Pradesh- 176 325, FAX: 01899-263387
59. General Manager, Chamera Hydro Electric Project-II, NHPC Ltd., Post Bag No. 2, Karian, Distt. Chamba, Himachal Pradesh- 176 310, FAX: 01899-220030
60. General Manager, CHAMERA H.E. PROJECT STAGE-III, N.H.P.C. LIMITED, DHARBALA, DISTT. CHAMBA, 176310 HIMACHAL PRADESH
61. General Manager, Bairasuil Hydro Electric Project, NHPC Ltd., Surangini, Distt. Chamba, Himachal Pradesh- 176 317, FAX: 01896-238101, 232301
62. General Manager, Tanakpur Hydro Electric Project, NHPC Ltd., P.O. -T.P. S Campus, Banbassa, Distt. Champawat, Uttaranchal- 262310, FAX: 05943-263077
63. General Manager, Dhauliganga Hydro Electric Project, NHPC Ltd., P.B. NO.1, Tapovan, Dharchula, Pithoragarh, Uttaranchal- 262545, FAX: 011-23341412
64. General Manager, Sewa –II Hydro Electric Project, NHPC Ltd., Post Bag No. 2, P.O. khairi, Distt. Chamba, Himachal Pradesh- 176325,
65. General Manager, Dulhasti Hydro Electric Project, NHPC Ltd., Chenab Nagar, SectorII, Dist-Kistwar, J &K- 182 206, FAX: 01995-260361
66. Chief Engineer, Parbati HE Project Stagelll, Behali, P.O-Larji Kullu-175122, Himachal Pradesh
67. The General Managar, Parbati-II, HEP, NHPC Ltd. E&M Complex, Sainj, Distt. Kullu 175134, Himachal Pradesh
68. DGM Electrical, Sainj HEP, HPPCL, Larji, Distric - Kullu, Himachal Pradesh, 175122
69. The Chief Engineer (Electrical), Kishanganga HEP, Office cum Residential colony, Kralpora, Distt: Bandipora, Jammu and Kashmir-193502
70. Head Plant, Indira Gandhi Super Thermal Power Project (IGSTPP), Jharli, District Jhajjar, Haryana- 124141
71. General Manager, Shree Cement TPS, Bangur Nagar, Post Box No. 33, Beawar-305901, Distt. -Ajmer (Rajasthan)
72. Chairman & Managing Director, Parbati Koldam Transmission Company Ltd., Office No. 1A, JMD Galleria 5th floor, plot no. 12-D, Sector 48, Sohna road Gurgaon- 122001
73. Adani Transmission (I) Ltd, 7-A, Sambhav building, Judges Bungalow Road, Bodakdev, Ahmedabad-380015



74. Mr. Rajesh Sirigirisetty, Business Development, Adani Transmission Limited, 3rd Floor-South Wing, Adani Corporate House, Adani Shantigram, S G Highway, Ahmedabad 382 421, Gujarat, India.
75. The Vice President, NRSS XXIX TL, RAPP TL &GPTL, F-1, Mira Corporate Suite, Ishwar Nagar, Mathura Road, New Delhi – 110065
76. General Manager, JAYPEE POWERGRID Limited, JA House, 63, Basant Lok, Vasant Vihar, New Delhi-110057
77. The CEO, Meja Urja Nigam (P) Ltd, P.O.- kohdar, Tehsil- Meja, Allahabad 212301, Uttar Pradesh
78. The Sr. Manager, RENEW SOLAR POWER Pvt. Ltd, Commercial Block-1, Zone 6, Golf Course Road, DLF City phase-V, Gurugram 122009, Haryana
79. The Vice President, Operation and Maintenance, Azure Power India Pvt Ltd. (Bhadla SPD), 3rd Floor, Asset 301-304 &307, Word Mark-3, Aerocity, New Delhi 110037, Delhi
80. The Vice President O&M, SB Energy Four Limited, 1st Floor, Wordmark-2, Asset Area -8 ospitality, Aerocity, NH-8 110037, Delhi
81. Associate Vice President (BD- HOD), Mahoba Solar (UP) Pvt Ltd, 4th floor, South Wing, Adani Corporate House, Shantigram, Near Vaishnav Devi Circle, SG Highway, Ahmedabad 382 421, Gujarat, India
82. The Project Head, Tata Power Renewable Energy Ltd. Corporate Centre, A Block, 34, Sant Tukaram Road, Camac Bunder, Mumbai – 400009
83. The Manager – O&M Solar, ACME Chittorgarh Solar Energy Pvt. Ltd. Plot #152, Sector - 44, Gurgoan 122002, Haryana
84. The Sr. Manager, Clean Solar Power (Bhadla) Pvt. Ltd, 1st Floor, Plot 201, Okhla Industrial Estate, Phase III, New Delhi 110020, Delh
85. General Manager, Grian Energy Pvt. Ltd.
86. Senior Manager, Juna Renewable Energy Pvt. Limited.
87. General manager, TP Saurya.
88. General Manager, Khidrat Renewable Energy Private Limited.
89. General Manager, Renew Power Pvt. Limited.
90. Senior Manager, Prerak Greentech Pvt. Limited.
91. Executive Engineer, RRVPNL-Bikaner.
92. SE, JdVVNL-Bikaner.





PMSS & CO.

CHARTERED ACCOUNTANTS

Office Add. : 118 B G. F. Sector- 30/33,
Indraprastha Colony, Fardabad -121003

Ph. : 0129 - 4108211 Mob. : 9811797396
e-mail : camishrajipuneet@gmail.com

Date

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 1 No. of 400 kV Line Bay at 400/220 kV Bikaner-II PS for Interconnection of 1000 MW Solar Project of SJVN Ltd.
Name of the Element	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd.
Date of Commercial Operation	12.09.2024 (Proposed)

S/N	Particulars	Capital Cost	IEDC	IDC	Rs in Laacs
					Total
1	Expenditure up to 11.09.2024 (DOCO 12.09.2024)	275.73	16.27	7.62	299.62
2	Expenditure from 12.09.2024 to 30.09.2024	29.15			29.15
3	Estimated Expenditure from 01.10.2024 to 31.03.2025	115.30			115.30
4	Estimated Expenditure from 01.04.2025 to 31.03.2026	41.28			41.28
5	Estimated Expenditure from 01.04.2026 to 31.03.2027	20.63			20.63
	Total	482.09	16.27	7.62	505.98

- a) We have verified the expenditure mentioned at Sl. No. 1 to 2 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 30.09.2024.
- b) The Estimated Expenditure mentioned at Sl. No. 3 to 5 are based on Management estimates.

Place:- Faridabad
Date:- 25.11.2024

PMSS & Co.
Chartered Accountants
FRN-01986/N

Ajay Kumar Gupta
Partner
M.No. 095714



VD IN 24095714 BKBK 8552





Date

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 1 No. of 400 kV Line Bay at 400/220 kV Bikaner-II PS for Interconnection of 1000 MW Solar Project of SJVN Ltd.
Name of the Element : 1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd.
Date of Commercial Operation : 12.09.2024 (Proposed)

Rs In Laacs

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 up to 11.09.2024 (DOCO 12.09.2024)	0.00	0.00	0.00	0.00	260.69	0.00	36.87	2.06	0.00	299.62
2	Expenditure from 12.09.2024 to 30.09.2024	0.00	0.00	0.00	0.00	25.38	0.00	1.98	1.79	0.00	29.15
3	Estimated Expenditure from 01.10.2024 to 31.03.2025	0.00	0.00	0.00	0.00	75.31	0.00	39.52	0.47	0.00	115.30
4	Estimated Expenditure from 01.04.2025 to 31.03.2026	0.00	0.00	0.00	0.00	28.77	0.00	11.86	0.65	0.00	41.28
5	Estimated Expenditure from 01.04.2026 to 31.03.2027	0.00	0.00	0.00	0.00	14.38	0.00	5.93	0.32	0.00	20.63
	Total	0.00	0.00	0.00	0.00	404.53	0.00	96.16	5.29	0.00	505.98

S/N	Particulars	TL	Sub station Incl IT Equipment & Communication System excl 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)	0.00	482.09	482.09
2	Initial Spares included above	0.00	47.07	47.07

a) We have verified the expenditure mentioned at Sr. No. 1 to 2 excluding liabilities in the above table. The same is based on information drawn from the books of Accounts of Power Grid Bikaner Transmission System Ltd., NRI, Faridabad for the period ended on 30.09.2024
b) The Estimated Expenditure mentioned at Sl. No. 3 to 5 are based on Management estimates.

Place:- Faridabad
Date:- 25.11.2024



UDIN 24095714 026149 0552

Statement showing IDC Discharged upto DOCO

Implementation of 220kV bays and 400/220kV ICTs at Bikaner-II PS									
400 kV SJVN line bay At Bikaner II PS									
12-Sep-24									
Project:	Amount	Interest Rate	Drawl Date	Total IDC	Annual Interest Payment Date upto DOCO	Interest Discharged upto DOCO	Annual Interest Payment Date after DOCO		
DOCO: Proposed to CERC									
Loans	0.42	7.56%	21-Jun-23	0.04	04-Jul-24		03-Oct-24	0.03	
BOND-LXXII	1.16	7.56%	21-Jun-23	0.11	04-Jul-24		03-Oct-24	0.09	
BOND-LXXI	3.39	7.56%	21-Jun-23	0.31	04-Jul-24		03-Oct-24	0.26	
BOND-LXXI	0.37	7.56%	23-Jun-23	0.03	04-Jul-24		03-Oct-24	0.03	
BOND-LXXI	0.58	7.56%	23-Jun-23	0.05	04-Jul-24		03-Oct-24	0.04	
BOND-LXXI	0.21	7.56%	30-Jun-23	0.02	04-Jul-24		03-Oct-24	0.02	
BOND-LXXI	0.02	7.56%	30-Jun-23	0.00	04-Jul-24		03-Oct-24	0.00	
BOND-LXXI	0.07	7.56%	30-Jun-23	0.01	04-Jul-24		03-Oct-24	0.01	
BOND-LXXI	0.01	7.56%	30-Jun-23	0.00	04-Jul-24		03-Oct-24	0.00	
BOND-LXXI	0.01	7.56%	30-Jun-23	0.00	04-Jul-24		03-Oct-24	0.00	
BOND-LXXI	0.00	7.56%	30-Jun-23	0.00	04-Jul-24		03-Oct-24	0.00	
SBI LOC IV	0.01	Floating	06-Jul-23	0.00	04-Jul-24		03-Oct-24	0.00	
SBI LOC IV	0.01	Floating	06-Jul-23	0.00	04-Jul-24		03-Oct-24	0.00	
SBI LOC IV	0.10	Floating	10-Jul-23	0.01	04-Jul-24		03-Oct-24	0.01	
SBI LOC IV	0.20	Floating	10-Jul-23	0.02	04-Jul-24		03-Oct-24	0.02	
SBI LOC IV	1.66	Floating	11-Jul-23	0.16	04-Jul-24		03-Oct-24	0.13	
SBI LOC IV	0.01	Floating	11-Jul-23	0.00	04-Jul-24		03-Oct-24	0.00	
SBI LOC IV	0.01	Floating	11-Jul-23	0.00	04-Jul-24		03-Oct-24	0.00	
BOND-LXXIII	0.03	7.50%	07-Sep-23	0.00	04-Jul-24		03-Oct-24	0.00	
BOND-LXXIII	0.02	7.50%	07-Sep-23	0.00	04-Jul-24		03-Oct-24	0.00	
BOND-LXXIII	0.06	7.50%	08-Sep-23	0.00	04-Jul-24		03-Oct-24	0.00	
BOND-LXXIII	0.16	7.50%	13-Sep-23	0.01	04-Jul-24		03-Oct-24	0.01	
BOND-LXXIII	2.16	7.50%	22-Sep-23	0.16	04-Jul-24		03-Oct-24	0.13	
BOND-LXXIII	0.01	7.50%	27-Sep-23	0.00	04-Jul-24		03-Oct-24	0.00	
BOND-LXXIV	1.56	7.70%	19-Oct-23	0.11	04-Jul-24		03-Oct-24	0.08	
BOND-LXXIV	0.99	7.70%	25-Oct-23	0.07	04-Jul-24		03-Oct-24	0.05	
BOND-LXXIV	0.51	7.70%	02-Nov-23	0.03	04-Jul-24		03-Oct-24	0.03	
BOND-LXXIV	3.57	7.70%	07-Nov-23	0.23	04-Jul-24		03-Oct-24	0.18	
BOND-LXXIV	21.07	7.70%	28-Nov-23	1.28	04-Jul-24		03-Oct-24	0.96	
BOND-LXXIV	8.97	7.70%	12-Dec-23	0.52	04-Jul-24		03-Oct-24	0.38	
BOND-LXXIV	0.02	7.70%	14-Dec-23	0.00	04-Jul-24		03-Oct-24	0.00	
BOND-LXXIV	0.63	7.70%	18-Dec-23	0.04	04-Jul-24		03-Oct-24	0.03	
BOND-LXXIV	2.40	7.70%	19-Dec-23	0.14	04-Jul-24		03-Oct-24	0.10	
BOND-LXXIV	3.48	7.70%	26-Dec-23	0.19	04-Jul-24		03-Oct-24	0.14	
BOND-LXXIV	0.01	7.70%	27-Dec-23	0.00	04-Jul-24		03-Oct-24	0.00	
BOND-LXXIV	6.61	7.70%	29-Dec-23	0.36	04-Jul-24		03-Oct-24	0.26	
BOND-LXXIV	0.67	7.70%	08-Jan-24	0.04	04-Jul-24		03-Oct-24	0.02	
BOND-LXXV	0.10	7.65%	12-Jan-24	0.01	04-Jul-24		03-Oct-24	0.00	
BOND-LXXV	0.32	7.65%	19-Jan-24	0.02	04-Jul-24		03-Oct-24	0.01	
BOND-LXXV	0.09	7.65%	23-Jan-24	0.00	04-Jul-24		03-Oct-24	0.00	
BOND-LXXV	1.11	7.65%	24-Jan-24	0.05	04-Jul-24		03-Oct-24	0.04	
BOND-LXXV	0.00	7.65%	30-Jan-24	0.00	04-Jul-24		03-Oct-24	0.00	
BOND-LXXV	0.18	7.65%	23-Feb-24	0.01	04-Jul-24		03-Oct-24	0.00	
BOND-LXXV	18.46	7.65%	29-Feb-24	0.76	04-Jul-24		03-Oct-24	0.48	
BOND-LXXVI	1.74	7.35%	05-Apr-24	0.06	04-Jul-24		03-Oct-24	0.03	
BOND-LXXVII	8.54	7.55%	23-Apr-24	0.25	04-Jul-24		03-Oct-24	0.12	
BOND-LXXVII	30.32	7.55%	23-Apr-24	0.89	04-Jul-24		03-Oct-24	0.43	
BOND-LXXVII	4.52	7.55%	23-Apr-24	0.13	04-Jul-24		03-Oct-24	0.06	
BOND-LXXVII	2.31	7.55%	29-Apr-24	0.06	04-Jul-24		03-Oct-24	0.03	
BOND-LXXVII	0.54	7.55%	03-May-24	0.01	04-Jul-24		03-Oct-24	0.01	
BOND-LXXVII	1.32	7.55%	06-May-24	0.04	04-Jul-24		03-Oct-24	0.02	



BOND-LXXVII	1.53	7.55%	16-May-24	0.04	04-Jul-24	0.01	03-Oct-24
BOND-LXXVIII	2.83	7.55%	20-May-24	0.07	04-Jul-24	0.02	03-Oct-24
BOND-LXXIX	0.00	7.55%	22-May-24	0.00	04-Jul-24	0.00	03-Oct-24
BOND-LXXX	0.36	7.55%	24-May-24	0.01	04-Jul-24	0.00	03-Oct-24
BOND-LXXXI	0.22	7.55%	30-May-24	0.00	04-Jul-24	0.00	03-Oct-24
BOND-LXXXII	43.26	7.55%	04-Jun-24	0.89	04-Jul-24	0.24	03-Oct-24
BOND-LXXXIII	0.20	7.55%	04-Jun-24	0.00	04-Jul-24	0.00	03-Oct-24
BOND-LXXXIV	1.43	7.55%	07-Jun-24	0.03	04-Jul-24	0.01	03-Oct-24
BOND-LXXXV	0.57	7.55%	11-Jun-24	0.01	04-Jul-24	0.00	03-Oct-24
BOND-LXXXVI	3.10	7.55%	11-Jun-24	0.06	04-Jul-24	0.01	03-Oct-24
BOND-LXXXVII	0.20	7.55%	14-Jun-24	0.00	04-Jul-24	0.00	03-Oct-24
BOND-LXXXVIII	0.04	7.55%	25-Jun-24	0.00	04-Jul-24	0.00	03-Oct-24
BOND-LXXXIX	1.32	7.55%	27-Jun-24	0.02	04-Jul-24	0.00	03-Oct-24
BOND-LXXXX	0.05	7.55%	28-Jun-24	0.00	04-Jul-24	0.00	03-Oct-24
BOND-LXXXXI	2.87	7.55%	04-Jul-24	0.04	04-Jul-24	0.00	03-Oct-24
BOND-LXXXXII	0.46	7.55%	05-Jul-24	0.01	05-Jul-24	0.00	03-Oct-24
BOND-LXXXXIII	0.66	7.55%	05-Jul-24	0.01	05-Jul-24	0.00	03-Oct-24
BOND-LXXXXIV	3.37	7.55%	09-Jul-24	0.05	09-Jul-24	0.00	03-Oct-24
BOND-LXXXXV	0.58	7.55%	10-Jul-24	0.01	10-Jul-24	0.00	03-Oct-24
BOND-LXXXXVI	1.22	7.55%	11-Jul-24	0.02	11-Jul-24	0.00	03-Oct-24
BOND-LXXXXVII	5.20	7.55%	24-Jul-24	0.05	24-Jul-24	0.00	03-Oct-24
BOND-LXXXXVIII	0.86	7.38%	29-Jul-24	0.01	29-Jul-24	0.00	03-Oct-24
BOND-LXXXXIX	2.08	7.38%	30-Jul-24	0.02	30-Jul-24	0.00	03-Oct-24
BOND-LXXXXX	1.23	7.38%	30-Jul-24	0.01	30-Jul-24	0.00	03-Oct-24
BOND-LXXXXXI	0.02	7.38%	02-Aug-24	0.00	02-Aug-24	0.00	03-Oct-24
BOND-LXXXXXII	0.40	7.38%	06-Aug-24	0.00	06-Aug-24	0.00	03-Oct-24
BOND-LXXXXXIII	0.30	7.38%	22-Aug-24	0.00	22-Aug-24	0.00	03-Oct-24
BOND-LXXXXXIV	0.78	7.38%	28-Aug-24	0.00	28-Aug-24	0.00	03-Oct-24
BOND-LXXXXXV	0.61	7.38%	29-Aug-24	0.00	29-Aug-24	0.00	03-Oct-24
BOND-LXXXXXVI	0.71	7.38%	30-Aug-24	0.00	30-Aug-24	0.00	03-Oct-24
BOND-LXXXXXVII	0.09	7.38%	05-Sep-24	0.00	05-Sep-24	0.00	03-Oct-24
BOND-LXXXXXVIII	0.31	7.38%	05-Sep-24	0.00	05-Sep-24	0.00	03-Oct-24
BOND-LXXXXXIX	2.14	7.38%	17-Sep-24	0.00	05-Sep-24	0.00	03-Oct-24
Total	209.73			7.62		4.56	
Total IDC as per Cost Certificate							
IDC Discharged upto DOCO	7.62						
Accrual IDC upto DOCO (To be Discharged during 2024-2025)	4.56						
Accrual IDC upto DOCO (To be Discharged during 2025-2026)	3.06						
0.00							

Certified that Interest on SBI Loan is paid monthly and interest on Bonds is paid annually/quarterly as per terms of Agreement terms of issue of bonds and no default has been made in respect of debt servicing.



SYSTEM LIM

ADD Cap Details/Liability Flow Statement

Name of Petitioner **Power Grid Bikaner Transmission System Ltd.**

Asset Name **1 no. of 400 KV line bay at 400/220KV Bikaner-II S/s for Interconnection of 1000 MW Solar Project of SJVN Ltd.**

Project Name **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.**

Rs in Lakhs

Asset No.	Headwise /Partywise	Particulars#	Year of Actual Capitalisation	Outstanding Liability as on COD/31st March 2019*	Discharge								Reversal					Additional Liability Recognized*	Outstanding Liability as on 31.03.2024							
					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	M/s. Vikran Engg	Land	12.09.2024	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	0.00	0.00	0.00	0.00	0.00				
		Civil & Building	12.09.2024	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
		Tr. Line	12.09.2024	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
		Sub Station	12.09.2024	53.46	31.92	10.81	10.73	0.00	0.00	0.00	53.46	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-1	M/s. Vikran Engg	OPGW	12.09.2024	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
		Communication System excl. OPGW	12.09.2024	6.05	0.00	1.11	4.94	0.00	0.00	6.05	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	0.00	0.00
Asset-1	M/s. Vikran Engg	I. T Equipment incl. software, UNMS, URTDSM, EMS, Cyber Security System, REMC, WAMS, SCADA	12.09.2024	0.37	0.00	0.00	0.32	0.00	0.37	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	0.00	0.00	0.00
					112.53	29.31	4.54	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	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 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	2034-29 & 29-34												
Asset-1	M/s. Vikran Engg	Land	12.09.2024	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
		Civil & Building	12.09.2024	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Tr. Line	12.09.2024	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Sub Station	12.09.2024	68.77	17.96	3.65	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	0.00	0.00	0.00	0.00	0.00	0.00
Asset-1	M/s. Vikran Engg	OPGW	12.09.2024	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Communication System excl. OPGW	12.09.2024	41.50	10.75	0.99	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	0.00	0.00	0.00	0.00	0.00	0.00
Asset-1	M/s. Vikran Engg	I. T Equipment incl. software, UNMS, URTDSM, EMS, Cyber Security System, REMC, WAMS, SCADA	12.09.2024	2.26	0.60	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				112.53	29.31	4.54	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	0.00	0.00	0.00	0.00	0.00	



All Works completed within Cut-off Date

Summary of Tariff

Form No. - 1

Name of the Transmission Licensee:	POWERGRID Bikaner Transmission System Limited (PBTSL)		
Project	Implementation of 1 no. of 400 kV line bay at 400/220 kV Bikaner-II PS for interconnection of 1000 MW Solar Proj		
Element Description	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd		
Region	Corporate Centre	DOCOCO Date	Sep 12, 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	201.00	365.00	365.00	366.00	365.00
Depreciation-Form No. 10A	12.20	29.21	31.52	32.28	32.28
Interest on Loan-Form No. 9E	10.59	22.67	22.01	20.14	17.69
Return on Equity-Form No. 8	11.12	25.34	27.03	27.59	27.59
Int. on Working capital-Form No.11	1.21	2.49	2.61	2.67	2.71
Op. and maintenance-Form No.2	16.26	31.08	32.71	34.43	36.23
Total AFC	51.38	110.79	115.88	117.11	116.50

(Petitioner)



Summary of Asset Level Cost

Form No. - 1A

Name of the Transmission Licensee	POWERGRID Bikaner Transmission System Limited (PBTSL)	
Project	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.	
Element Description	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd	
Region	Corporate Centre	DOC Date Sep 12, 2024

(Amount in Rs. Lakh)

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

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	314.15	68.77	17.96	3.65	0.00	0.00	404.53
Comm. Sys. excluding Fiber Optic	0.00	0.00	42.92	41.50	10.75	0.99	0.00	0.00	96.16
Land (Leasehold)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IT/Software/UNMS/JRTDSM/	0.00	0.00	2.43	2.26	0.60	0.00	0.00	0.00	5.29
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	359.50	112.53	29.31	4.64	0.00	0.00	505.98
Less: Liability	0.00	0.00	62.94	0.00	0.00	0.00	0.00	0.00	0.00
Add: discharge of liability	0.00	0.00	0.00	34.98	11.97	15.99	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	296.56	147.51	41.28	20.63	0.00	0.00	505.98
Equity	172.929	0.00	88.97	44.25	12.38	6.19	0.00	0.00	151.79
Debt	403.501	0.00	207.59	103.26	28.90	14.44	0.00	0.00	354.19

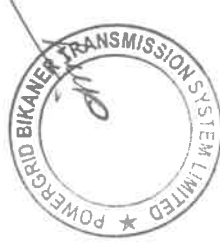


Name of the Transmission Licensee	POWERGRID Bikaner Transmission System Limited (PBTSL)		
Project	Implementation of 1 no. of 400 kV line bay at 400/220 kV Bikaner-II PS for interconnection of 1000 MW Solar Project of SJVN Ltd.		
Element Description	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd		
Region	Corporate Centre	DOC Date	Sep 12, 2024

1. Transmission Lines

Summary:

(Amount in Rs. Lakh)

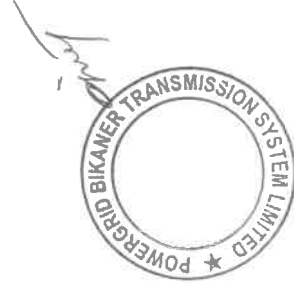


2. Sub Station

Name of Sub-station	Type of Substation	Voltage Level KV	No. of Transfor ms/ 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		
:400 KV BAY FOR SJVN	Brownfield	400 KV		1.000								Sep 12, 2024	Y

Summary:

O&M Expenses For Substations Covered in the instant petition	2024-25	2025-26	2026-27	2027-28	2028-29
400KV SUB-STATION					
Normative Rate of O&M as per Regulation	29.53	31.08	32.71	34.43	36.23
No. of Units	1.00	1.00	1.00	1.00	1.00
O&M Claimed	16.26	31.08	32.71	34.43	36.23



3. Communication System

Summary:

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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	16.26	31.08	32.71	34.43	36.23
Communication System	0.00	0.00	0.00	0.00	0.00
Total Normative O&M	16.26	31.08	32.71	34.43	36.23
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	16.26	31.08	32.71	34.43	36.23

(Petitioner)



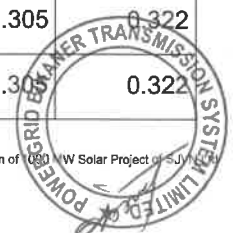
Normative parameters considered for tariff computations

Form No. - 3

Name of the Transmission Licensee	POWERGRID Bikaner Transmission System Limited (PBTSL)		
Project	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		
Element Description	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd		
Region	Corporate Centre	DOCOC Date	Sep 12, 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)



Name of the Transmission Licensee	POWERGRID Bikaner Transmission System Limited (PBTSL)		
Project	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.		
Element Description	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd		
Region	Corporate Centre	DOCO Date	Sep 12, 2024

A) Details of All the Asset Covered under the Scope of the Project

Asset Name	Actual COD of the asset	COD considered for tariff purpose	Effective COD for the project as whole (Refer C)	Weighted Average useful life of the project (Refer D)	Lapsed useful Life of the project as on 01.04.2024 (Refer E)	(Amount in Rs. Lakh)
						Balance useful Life of the project as on 01.04.2024 (Refer E)
					0	23

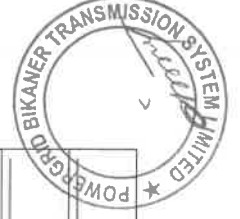
B) Details as on 01.04.2024 for determination of Single Tariff for the Project Commissioned prior to 01.04.2024

C) Computation of Effective COD for determining lapsed useful life of the project as whole

D) Weighted Average useful Life of the Project as whole

**E) Lapsed Weighted average useful life of the project & Balance weighted average Useful life
This refers to the No. of completed years from the effective COD till the last day of the previous tariff period (i.e. 31.03.2024)**

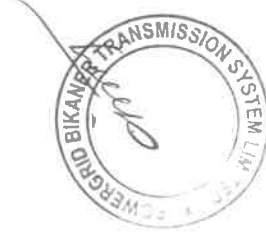
1) Effective COD	
2) Last date of the previous tariff control period	Mar 31, 2024
3) No. of Completed years lapsed as on 01.04.2024 (2) - (1)	0



4) Remaining useful life (in year) (WAL-lapsed year)

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(Petitioner)



Statement of Capital cost

Form No. - 4A

Name of the Transmission Licensee	POWERGRID Bikaner Transmission System Limited (PBTSL)		
Project	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.		
Element Description	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd		
Region	Corporate Centre	DOCO Date	Sep 12, 2024

(Amount in Rs. Lakh)

A) Capital Cost

Particular	Accrual Basis	Un-discharged Liabilities	Cash Basis
As on relevant date :2024-25			
a) Opening Gross Block Amount as per books	359.50	62.94	296.56
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	7.62	3.06	4.56
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	16.27	0.00	16.27
As on relevant date :2025-26			
a) Addition in Gross Block Amount during the period	112.53	0.00	112.53
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	472.03	27.96	444.07
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	7.62	0.00	7.62
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	16.27	0.00	16.27

As on relevant date :2025-26

a) Opening Gross Block Amount as per books	472.03	27.96	444.07
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	7.62	0.00	7.62



c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	16.27	0.00	16.27
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a) Addition in Gross Block Amount during the period	29.31	0.00	29.31
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	501.34	15.99	485.35
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	7.62	0.00	7.62
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	16.27	0.00	16.27

As on relevant date :2026-27

a) Opening Gross Block Amount as per books	501.34	15.99	485.35
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	7.62	0.00	7.62
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	16.27	0.00	16.27

a) Addition in Gross Block Amount during the period	4.64	0.00	4.64
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	505.98	0.00	505.98
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	7.62	0.00	7.62
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	16.27	0.00	16.27

As on relevant date :2027-28

a) Opening Gross Block Amount as per books	505.98	0.00	505.98
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	7.62	0.00	7.62
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	16.27	0.00	16.27



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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	505.98	0.00	505.98
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	7.62	0.00	7.62
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	16.27	0.00	16.27

As on relevant date :2028-29

a) Opening Gross Block Amount as per books	505.98	0.00	505.98
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	7.62	0.00	7.62
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	16.27	0.00	16.27

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	505.98	0.00	505.98
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	7.62	0.00	7.62
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	16.27	0.00	16.27

B) Flow of liability for the Asset

(Amount in Rs. Lakh)

Particular	2024-2025	2025-2026	2026-2027			
Opening balance of liability	62.94	27.96	15.99	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	34.98	11.97	15.99	0.00	0.00	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	0.00	0.00
Closing Balance of Admitted liability	27.96	15.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(Petitioner)



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Details of all the assets covered in the project

Name of the Transmission Licensee	POWERGRID Bikaner Transmission System Limited (PBTSL)		
Project	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.		
Element Description	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd		
Region	Corporate Centre	DOCO Date	SCOD
		Sep 12, 2024	

(Amount in Rs. Lakh)

(Petitioner)



Financial Package upto COD

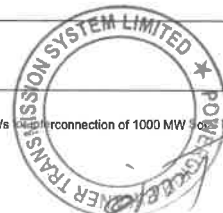
Form No. - 6

Name of the Transmission Licensee		POWERGRID Bikaner Transmission System Limited (PBTSL)	
Project	Implementation of 1 no. of 400 kV line bay at 400/220 kV Bikaner-II PS for interconnection of 1000 MW Solar Proj		
Element Description	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd		
Region	Corporate Centre	DOC Date	Sep 12, 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	403.501	INR	207.59		0.00
Equity		0.00		0.00		0.00
Foreign		0.00		0.00		0.00
Domestic	INR	172.929	INR	88.97		0.00
Total Equity	INR	172.929	INR	88.97		0.00
Debt Equity Ratio					70:30	
Total Cost	INR	576.43	INR	296.56		0.00

Particulars	Debt	Equity	Total
Addcap for 2024 - 2025			147.51
Addcap for 2025 - 2026			41.28
Addcap for 2026 - 2027			20.63
Addcap for 2027 - 2028			0.00



Addcap for 2028 - 2029			0.00
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Particulars	Actual	Normative	
Addcap for 2024 - 2025			
Equity		44.25	
Debt		103.26	
Total		147.51	
Addcap for 2025 - 2026			
Equity		12.38	
Debt		28.90	
Total		41.28	
Addcap for 2026 - 2027			
Equity		6.19	
Debt		14.44	
Total		20.63	
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		505.98	



Statement of Additional Capitalisation after COD

Form No. - 7

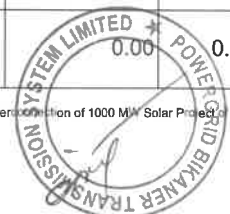
Name of the Transmission Licensee	POWERGRID Bikaner Transmission System Limited (PBTSL)		
Project	Implementation of 1 no. of 400 kV line bay at 400/220 kV Bikaner-II PS for interconnection of 1000 MW Solar Proj		
Element Description	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd		
Region	Corporate Centre	DOC Date	Sep 12, 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: Un-discharged 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	68.77	0.00	0.00	0.00	0.00	0.00	34.58	103.35	0.00
Comm. Sys. excluding Fiber Optic	41.50	0.00	0.00	0.00	0.00	0.00	0.38	41.88	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	2.26	0.00	0.00	0.00	0.00	0.00	0.02	2.28	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	112.53	0.00	0.00	0.00	0.00	0.00	34.98	147.51	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	17.96	0.00	0.00	0.00	0.00	0.00	10.81	28.77	0.00
Comm. Sys. excluding Fiber Optic	10.75	0.00	0.00	0.00	0.00	0.00	1.11	11.86	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	0.60	0.00	0.00	0.00	0.00	0.00	0.05	0.65	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	29.31	0.00	0.00	0.00	0.00	0.00	11.97	41.28	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	3.65	0.00	0.00	0.00	0.00	0.00	10.73	14.38	0.00
Comm. Sys. excluding Fiber Optic	0.99	0.00	0.00	0.00	0.00	0.00	4.94	5.93	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	0.32	0.32	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	4.64	0.00	0.00	0.00	0.00	0.00	15.99	20.63	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/URTDISM/ 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/URTDISM/ 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

Name of the Transmission Licensee	POWERGRID Bikaner Transmission System Limited (PBTSL)	
Project	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.	
Element Description	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd	
Region	Corporate Centre	DOC Date Sep 12, 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	103.26	28.90	14.44	0.00	0.00						
Equity	44.25	12.38	6.19	0.00	0.00						
Total	147.51	41.28	20.63	0.00	0.00						



(Petitioner)

Calculation of ROE

Form No. - 8

Name of the Transmission Licensee	POWERGRID Bikaner Transmission System Limited (PBTSL)		
Project	Implementation of 1 no. of 400 kV line bay at 400/220 kV Bikaner-II PS for interconnection of 1000 MW Solar Proj		
Element Description	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd		
Region	Corporate Centre	DOC Date	Sep 12, 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	201.00	365.00	365.00	366.00	365.00
Opening Normative Equity	88.97	133.22	145.60	151.79	151.79
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)	88.97	133.22	145.60	151.79	151.79
Add: Increase in Equity due to addition during the year / period	33.76	8.79	1.39	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	10.49	3.59	4.80	0.00	0.00
Closing Normative Equity	133.22	145.60	151.79	151.79	151.79
Average Normative Equity	111.10	139.41	148.70	151.79	151.79
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	20.19	25.34	27.03	27.59	27.59
Pro rata return on Equity	11.12	25.34	27.03	27.59	27.59



Calculation of WAR of interest on actual loan

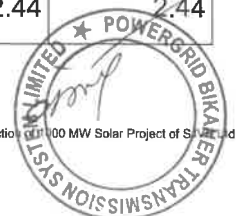
Form No. - 9C

Name of the Transmission Licensee	POWERGRID Bikaner Transmission System Limited (PBTSL)		
Project	Implementation of 1 no. of 400 kV line bay at 400/220 kV Bikaner-II PS for interconnection of 1000 MW Solar Proj		
Element Description	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd		
Region	Corporate Centre	DOC Date	Sep 12, 2024

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Loan 1 PBTSL (BOND LXXII) -DOC O LOAN					
Gross Loan- Opening	6.24	6.24	6.24	6.24	6.24
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	0.00
Net loan-Opening	6.24	6.24	6.24	6.24	6.24
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	0.00	0.00	0.00
Net Loan-Closing	6.24	6.24	6.24	6.24	6.24
Average Net Loan	6.24	6.24	6.24	6.24	6.24
Rate of Interest on Loan on Annual Basis	7.56	7.56	7.56	7.56	7.56
Interest on loan	0.4717	0.4717	0.4717	0.4717	0.4717

Loan 2 PBTSL (BOND LXXIII) -DOC O LOAN					
Gross Loan- Opening	2.44	2.44	2.44	2.44	2.44
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	0.00
Net loan-Opening	2.44	2.44	2.44	2.44	2.44
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	0.00	0.00	0.00
Net Loan-Closing	2.44	2.44	2.44	2.44	2.44



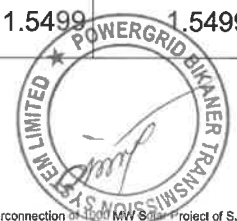
Average Net Loan	2.44	2.44	2.44	2.44	2.44
Rate of Interest on Loan on Annual Basis	7.50	7.50	7.50	7.50	7.50
Interest on loan	0.183	0.183	0.183	0.183	0.183

Loan 3 PBTSL (BOND-LXXIV) -DOCO LOAN

Gross Loan- Opening	50.50	50.50	50.50	50.50	50.50
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	0.00
Net loan-Opening	50.50	50.50	50.50	50.50	50.50
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	0.00	0.00	0.00
Net Loan-Closing	50.50	50.50	50.50	50.50	50.50
Average Net Loan	50.50	50.50	50.50	50.50	50.50
Rate of Interest on Loan on Annual Basis	7.70	7.70	7.70	7.70	7.70
Interest on loan	3.8885	3.8885	3.8885	3.8885	3.8885

Loan 4 PBTSL (BOND LXXV) -DOCO LOAN

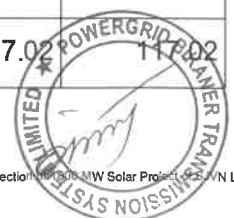
Gross Loan- Opening	20.26	20.26	20.26	20.26	20.26
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	0.00
Net loan-Opening	20.26	20.26	20.26	20.26	20.26
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	0.00	0.00	0.00
Net Loan-Closing	20.26	20.26	20.26	20.26	20.26
Average Net Loan	20.26	20.26	20.26	20.26	20.26
Rate of Interest on Loan on Annual Basis	7.65	7.65	7.65	7.65	7.65
Interest on loan	1.5499	1.5499	1.5499	1.5499	1.5499



Loan 5 PBTSL (SBI_LOC_IV) -DOCO LOAN					
Gross Loan- Opening	2.00	2.00	2.00	2.00	2.00
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	0.00
Net loan-Opening	2.00	2.00	2.00	2.00	2.00
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	0.00	0.00	0.00
Net Loan-Closing	2.00	2.00	2.00	2.00	2.00
Average Net Loan	2.00	2.00	2.00	2.00	2.00
Rate of Interest on Loan on Annual Basis	8.30	8.30	8.30	8.30	8.30
Interest on loan	0.166	0.166	0.166	0.166	0.166

PBTSL loan (BOND-LXXVI) -DOCO LOAN					
Gross Loan- Opening	1.74	1.74	1.74	1.74	1.74
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	0.00
Net loan-Opening	1.74	1.74	1.74	1.74	1.74
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	0.00	0.00	0.00
Net Loan-Closing	1.74	1.74	1.74	1.74	1.74
Average Net Loan	1.74	1.74	1.74	1.74	1.74
Rate of Interest on Loan on Annual Basis	7.35	7.35	7.35	7.35	7.35
Interest on loan	0.1279	0.1279	0.1279	0.1279	0.1279

PBTSL loan (BOND-LXXVII) -DOCO LOAN					
Gross Loan- Opening	117.02	117.02	117.02	117.02	117.02
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	0.00
Net loan-Opening	117.02	117.02	117.02	117.02	117.02



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	0.00	0.00	0.00
Net Loan-Closing	117.02	117.02	117.02	117.02	117.02
Average Net Loan	117.02	117.02	117.02	117.02	117.02
Rate of Interest on Loan on Annual Basis	7.55	7.55	7.55	7.55	7.55
Interest on loan	8.835	8.835	8.835	8.835	8.835

PBTSL loan (BOND-LXXVIII) -DOCO LOAN

Gross Loan- Opening	7.39	7.39	7.39	7.39	7.39
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	0.00
Net loan-Opening	7.39	7.39	7.39	7.39	7.39
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	0.00	0.00	0.00
Net Loan-Closing	7.39	7.39	7.39	7.39	7.39
Average Net Loan	7.39	7.39	7.39	7.39	7.39
Rate of Interest on Loan on Annual Basis	7.38	7.38	7.38	7.38	7.38
Interest on loan	0.5454	0.5454	0.5454	0.5454	0.5454

Summary

Gross Loan- Opening	207.59	207.59	207.59	207.59	207.59
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	0.00
Net loan-Opening	207.59	207.59	207.59	207.59	207.59
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	0.00	0.00	0.00
Net Loan-Closing	207.59	207.59	207.59	207.59	207.59



Average Net Loan	207.59	207.59	207.59	207.59	207.59
Rate of Interest on Loan on Annual Basis	7.5955	7.5955	7.5955	7.5955	7.5955
Interest on loan	15.7674	15.7674	15.7674	15.7674	15.7674

(Petitioner)



Loans in Foreign Currency

Form No. - 9D

Name of the Transmission Licensee	POWERGRID Bikaner Transmission System Limited (PBTSL)		
Project	Implementation of 1 no. of 400 kV line bay at 400/220 kV Bikaner-II PS for interconnection of 1000 MW Solar Proj		
Element Description	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd		
Region	Corporate Centre	DOC Date	Sep 12, 2024

(Petitioner)



Calculation of interest on Normative loan

Form No. - 9E

Name of the Transmission Licensee		POWERGRID Bikaner Transmission System Limited (PBTSL)			
Project	Implementation of 1 no. of 400 kV line bay at 400/220 kV Bikaner-II PS for interconnection of 1000 MW Solar Proj				
Element Description	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd				
Region	Corporate Centre	DOC Date	Sep 12, 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	201.00	365.00	365.00	366.00	365.00
Gross normative loan-Opening	207.59	310.85	339.75	354.19	354.19
Cumulative repayments of Normative loan upto previous year	0.00	12.20	41.41	72.93	105.21
Net normative loan-Opening	207.59	298.65	298.34	281.26	248.98
Addition in normative loan towards the ACE	103.26	28.90	14.44	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	12.20	29.21	31.52	32.28	32.28
Adjustment of cumulative repayment pertaining to the decapitalised asset	0.00	0.00	0.00	0.00	0.00
Net normative loan - closing	298.65	298.34	281.26	248.98	216.70
Average normative loan	253.12	298.50	289.80	265.12	232.84
Weighted Average Rate of interest on actual loan	7.5955	7.5955	7.5955	7.5955	7.5955
Interest on normative loan	19.23	22.67	22.01	20.14	17.69
Pro rata interest on normative loan	10.59	22.67	22.01	20.14	17.69

(Petitioner)



Calculation of Depreciation Rate on Original Project Cost

Form No. - 10

Name of the Transmission Licensee	POWERGRID Bikaner Transmission System Limited (PBTSL)		
Project	Implementation of 1 no. of 400 kV line bay at 400/220 kV Bikaner-II PS for interconnection of 1000 MW Solar Proj		
Element Description	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd		
Region	Corporate Centre	DOCOC Date	Sep 12, 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	258.03	103.35	361.38	309.71	4.22	7.20
Comm. Sys. excluding Fiber Optic	36.49	41.88	78.37	57.43	15.00	4.74
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDSM/SCADA,etc	2.04	2.28	4.32	3.18	15.00	0.26
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	296.56	147.51	444.07	370.32	0.00	12.20
Weighted Average Rate of Depreciation(%)					3.294448	

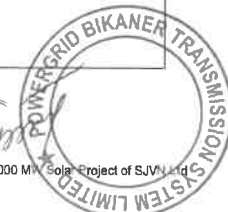
2025-26						
Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00



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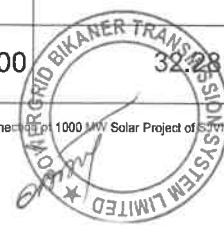
Civil & Building	0.00	0.00	0.00	0.00	3.34	0.00
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	361.38	28.77	390.15	375.77	4.22	15.86
Comm. Sys. excluding Fiber Optic	78.37	11.86	90.23	84.30	15.00	12.65
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDSM/SCADA,etc	4.32	0.65	4.97	4.65	15.00	0.70
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	444.07	41.28	485.35	464.72	0.00	29.21
Weighted Average Rate of Depreciation(%)					6.285505	

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	390.15	14.38	404.53	397.34	4.22	16.77
Comm. Sys. excluding Fiber Optic	90.23	5.93	96.16	93.20	15.00	13.98
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDSM/SCADA,etc	4.97	0.32	5.29	5.13	15.00	0.77
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	485.35	20.63	505.98	495.67	0.00	31.52
Weighted Average Rate of Depreciation(%)					6.35907	



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	404.53	0.00	404.53	404.53	4.22	17.07
Comm. Sys. excluding Fiber Optic	96.16	0.00	96.16	96.16	15.00	14.42
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDSM/SCADA,etc	5.29	0.00	5.29	5.29	15.00	0.79
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	505.98	0.00	505.98	505.98	0.00	32.28
Weighted Average Rate of Depreciation(%)					6.379699	

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	404.53	0.00	404.53	404.53	4.22	17.07
Comm. Sys. excluding Fiber Optic	96.16	0.00	96.16	96.16	15.00	14.42
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDSM/SCADA,etc	5.29	0.00	5.29	5.29	15.00	0.79
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	505.98	0.00	505.98	505.98	0.00	32.28



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Weighted Average Rate of Depreciation(%)					6.379699	
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(Petitioner)



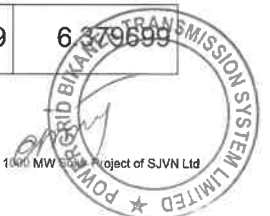
Statement of Depreciation

Form No. - 10A

Name of the Transmission Licensee	POWERGRID Bikaner Transmission System Limited (PBTSL)			
Project	Implementation of 1 no. of 400 kV line bay at 400/220 kV Bikaner-II PS for interconnection of 1000 MW Solar Proj			
Element Description	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd			
Region	Corporate Centre	DOC Date	Sep 12, 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	201.00	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	23.00	23.00	23.00	23.00	23.00
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)	23.00	23.00	22.00	21.00	20.00
Capital Base					
1.4 Opening capital cost	296.56	444.07	485.35	505.98	505.98
1.5 Additional Capital Expenditure dr. the year	147.51	41.28	20.63	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	444.07	485.35	505.98	505.98	505.98
1.8 Average capital cost	370.32	464.72	495.67	505.98	505.98
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	3.18	4.65	5.13	5.29	5.29
1.11 Asset having 10% salvage value included in 1.8	367.14	460.07	490.54	500.69	500.69
1.12 Depreciable Value(1.10+90% of 1.11)	333.61	418.71	446.62	455.91	455.91
Depreciation for the period and Cum. Depreciation					
1.13 Weighted Average Rate of depreciation	3.294448	6.285505	6.35907	6.379699	6.379699



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1.14 Depreciation(for the period)	12.20	29.21	31.52	32.28	32.28
1.15 Depreciation(Annualised)	12.20	29.21	31.52	32.28	32.28
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	12.20	41.41	72.93	105.21
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	12.20	41.41	72.93	105.21	137.49

(Petitioner)



Calculation of interest on working Capital

Form No. - 11

Name of the Transmission Licensee	POWERGRID Bikaner Transmission System Limited (PBTSL)		
Project	Implementation of 1 no. of 400 kV line bay at 400/220 kV Bikaner-II PS for interconnection of 1000 MW Solar Proj		
Element Description	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd		
Region	Corporate Centre	DOC Date	Sep 12, 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	201.00	365.00	365.00	366.00	365.00
O&M Expenses-one month	2.46	2.59	2.73	2.87	3.02
Maintenance spares 15% of O&M Expenses	4.43	4.66	4.91	5.16	5.43
Receivables equivalent to 45 days of AFC	11.50	13.66	14.29	14.40	14.36
Total Working capital	18.39	20.91	21.93	22.43	22.81
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	2.19	2.49	2.61	2.67	2.71
Pro rata interest on working capital	1.21	2.49	2.61	2.67	2.71

(Petitioner)

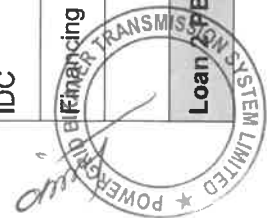


Drawdown schedule Calculation of IDC & Financing Charges

Form No. - 12B

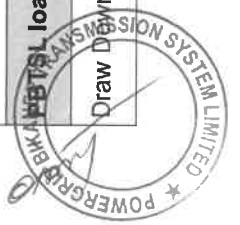
Name of the Transmission Licensee	POWERGRID Bikaner Transmission System Limited (PBTSL)	
Project	Implementation of 1 no. of 400 kV line bay at 400/220 kV Bikaner-II PS for interconnection of 1000 MW Solar Project of SJVN Ltd.	
Element Description	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd	
Region	Corporate Centre	DOCO Date Sep 12, 2024

Particulars	(Amount in Rs. Lakh)					
	Quarter 1		Quarter 2		Quarter n (COD)	
	Quantum in FC	Ex. Rate on Drawn Down Date	Quantum in FC	Ex. Rate on Drawn Down Date	Quantum in FC	Ex. Rate on Drawn Down Date
Loans						
Foreign Loans						
Total of Foreign Loans						
Indian Loans						
Loan 1 PBTSL (BOND LXXII) -DOCO LOAN						6.24
Draw Down Account						
IDC						
Financing Charges						
Loan 2 PBTSL (BOND LXXIII) -DOCO LOAN						



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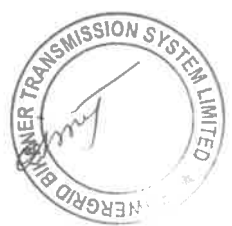
Draw Down Account																						2.44
IDC																						
Financing Charges																						
Loan 3 PBTSL (BOND-LXXIV) -DOCO LOAN																						
Draw Down Account																						50.50
IDC																						
Financing Charges																						
Loan 4 PBTSL (BOND LXXV) -DOCO LOAN																						
Draw Down Account																						20.26
IDC																						
Financing Charges																						
Loan 5 PBTSL (SBI_LOC_IV) -DOCO LOAN																						
Draw Down Account																						2.00
IDC																						
Financing Charges																						
PBTSL loan (BOND-LXXVI) -DOCO LOAN																						
Draw Down Account																						1.74



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IDC																				
Financing Charges																				
PBTSL loan (BOND-LXXVII) -DOCO LOAN																				
Draw Down Account																				117.02
IDC																				
Financing Charges																				
PBTSL loan (BOND-LXXVIII) -DOCO LOAN																				
Draw Down Account																				7.39
IDC																				
Financing Charges																				
Total of Indian Loans																				207.59
Total of Loan Drawn																				207.59

(Petitioner)



Details of Initial Spares

Name of the Transmission Licensee	POWERGRID Bikaner Transmission System Limited (PBTSL)		
Project	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.		
Element Description	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd		
Region	Corporate Centre	DOCO Date	Sep 12, 2024

A) Determination of Excess initial spare and its adjustment from Capital cost (Amount in Rs. Lakh)

Particular	Plant and machinery cost as on cut-off Date	Initial Spare Capitalised as per Books of Account up to Cut-off Date						Ceiling limit as mentioned in Regulations 23	Entitled Initial Spare as per Regulations	Excess of capitalised Initial Spare to be reduced from Capital cost	Adjustment of Excess Initial Spare from Capital cost of Plant and machinery		
		As on COD	As ACE dr. Y1	As ACE dr. Y2	As ACE dr. Y3	As ACE dr. Y4	Total as on Cut off Date				COD for Y1	ACE for Y2	ACE for Y3
Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	0			
Substation Green field	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0	0			
Substation Brown field	482.09	47.07	0.00	0.00	0.00	0.00	47.07	6.00	28.9254	18.1446			
Series Com. devices 138KV/DC station	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0	0			
GIS/S Green field	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0	0			
GIS/S Brown field	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0	0			
Communication System	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.50	0	0			

Static Synchronous Compensator	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	0	0		
IT Equip. & S/w	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	0	0		
Initial spare as per Books of Account	482.09	47.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.07	0.00	0.00	0	0			
Un-Discharge Liabilities including	0.00	15.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0			
Discharge of Liabilities	0.00	0.00	11.29	3.06	1.23	0.00	15.58	0.00	0.00	0.00	0.00	0.00	0.00	0	0			
Total Capitalized initial spare	0.00	31.49	11.29	3.06	1.23	0.00	47.07	0.00	0.00	0.00	0.00	0.00	0.00	0	0			

(Petitioner)



Element wise Break-up of Project/Asset/Element Cost for Transmission System or Communication System

SAVANKO TRANSACTIONS PRIVATE LIMITED

POWER GRID CORPORATION OF INDIA LIMITED
NORTHERN REGION-1
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.
Substation Extension Works at Bikaner 400/220kV (POWERGRID) S/s (400 Kv SJVN Bay)

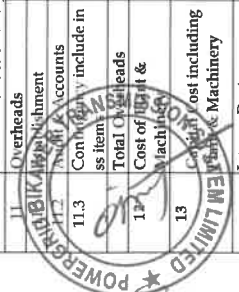
04.09.2024

Name of the Petitioner:
Name of the Region:
Name of the Project:
Name of the Transmission
Element:
DOCO:

Sl. No.(1)	Particulars (2)	Unit of Qty	(Amount in Rs. Lakh)				The portion Capital Cost included in Col-5 which is not eligible for Transmission Tariff (e.g Grant, Other business etc.) (6)	Projected/ Actual of Deferred Work to be Capitalised after COD (7) (book liability amount)	Variation between Actual cost & LA Cost (8)=(5-6+7)-3 or 4))	Reasons for Variation (9)	Un Discharged Liabilities included in Column-5 (10)	Admitted Cost (11)	Capital Work in progress as per Books of Account as on COD (12)
			As per Original Estimates (3)	Actual Capital Expenditure (Gross)	Quantity	Rate							
	Transformer	Nos											
	Type test charges												
	Training charges												
3	Taxes and Duties												
3.1	Custom Duty												
3.2	Other Taxes & Duties,												
	Taxes & Duties												
	Total Transformer												
B.	SUBSTATIONS												
4	Preliminary works & design & Engineering												
4.2	Land												
4.3	Site preparation /Infra			20.00			0.00	0.00					
	Total Preliminary works & land						0.00	0.00					
5	Civil Works						0.00	0.00					
5.1	Control Room & Office Building including HVAC						0.00	0.00					
5.2	Building & Colony						0.00	0.00					
6	Substation Equipments						0.00	0.00					
6.1	AIS Switchgear (CT,PT, CB, Isolator etc)	LS		139.95		112.60	0.01	0.01		8.71	103.89		
6.3	Type Test	Lot					0.00	0.00					
6.4	Automation	Nos		2.64		7.66	0.04	0.04		3.19	4.47		
6.6	Control, Relay & Protection Panel	Nos		14.11		19.21	11.78	11.78		2.97	16.24		
6.7	PLCC	Nos		72.08		20.30	51.38	51.38		7.90	12.40		
6.8	HVDC package	Nos					0.00	0.00					
6.9	Lighting, Ventilators / fans	Nos					0.00	0.00					
6.10	Chiller/indoor lighting	Nos		1.10		1.88	0.12	0.12		0.29	1.59		
6.11	Control /Power Cable	LS		44.68		26.19	13.54	13.54		13.86	12.33		
6.12	Grounding System	LS					0.00	0.00					



Sl. No. (1)	Particulars (2)	(Amount in Rs. Lakh)				The portion Capital Cost included in Col-5 which is not eligible for Transmission Tariff (e.g. Grant, Other business etc.) (6)	Projected/ Actual of Deferred Work to be Capitalised after COD (7) (book liability amount)	Variation between Actual cost & LA Cost (8)=(5+6+7-3 or 4)	Reasons for Variation (9)	Un Discharged Liabilities included in Column-5 (10)	Admitted Cost (11)	Capital Work in progress as per Books of Account as on COD (12)
		Unit of Qty	Quantity	Rate	Estimated Amount							
6.13	Structure for switchyard/Erection HW	LS			94.78		74.96	29.42	12.13	62.83		
	Total Substation Equipments				31.91		22.03	0.00				
7	Spare				69.68		50.78	17.92	10.83	11.20		
8	Taxes and Duties				490.92			22.26		50.78		
10	Construction and pre-commissioning											
10.1	Site supervision & site administration etc.				52.77		16.27			16.27		
10.2	Tools and Plants											
10.3	construction Insurance											
	Total Construction and pre commissioning											
11	Overheads											
11.1	Construction											
11.2	Overhead											
11.3	Construction				14.73			0.00				
	Total Overheads							0.00				
12	Cost of IDC, FC & Machinery							0.00				
13	Cost including							0.00				
13.1	Interest During Construction (IDC)				18.00		7.62	0.00		7.62		
13.2	Financing Charges (FC)							0.00				
13.3	Foreign Exchange Rate Variation (FERV)							0.00				
13.4	Hedging Cost							0.00				
	Total of IDC, FC, FERV & Hedging Cost							0.00				
14	Capital cost including IDC, FC, FERV & Hedging Cost				576.42		359.50	146.47	59.88	299.62		



Form 12 A

Name of the Petitioner :

Power Grid Bikaner Transmission System Ltd.

Name of the Region :

NR I

Name of the Project :

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.

Name of the Transmission Element or Communication System :

1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SJVN Ltd.

Date of Commercial Operation :

12.09.2024 (Proposed)

Initial Spares Discharged

Particulars	Rs. In Lakh		
	TL	Sub station incl PLCC & IT Equipment	OPGW
Total Value of Spares as per Certificate	0.00	47.07	0.00
Expenditure up to 11.09.2024 (Prop DOCO 12.09.2024)	0.00	31.49	0.00
Estimated Expenditure from 12.09.2024 to 31.03.2025	0.00	11.29	0.00
Estimated Expenditure from 01.04.2025 to 31.03.2026	0.00	3.06	0.00
Estimated Expenditure from 01.04.2026 to 31.03.2027	0.00	1.23	0.00
Balance Expenditure	0.00	0.00	0.00

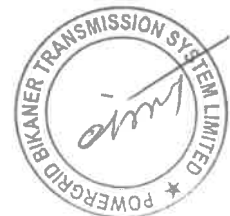


Summary of issue involved in the petition

**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	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for	
5. Investment Approval date	22.08.2022	
6. SCOD of the Project	01.10.2023	
7. Actual COD of the project	12.09.2024 (Proposed)	
8. Whether entire scope is covered in the present petition.	Yes	
9. No. of Assets covered in instant petition	01 nos.	
10. No. of Assets having time over run	2 nos.	
11. Estimated Project Cost as per IA	Rs.5.76 Crs	
12. Is there any REC? if so, provide the date	NA	
13. Revised Estimated Project Cost (if any)	NA	
14. Completion cost for all the assets covered in the instant petition	Rs. 5.06 Crs	
15. No. of Assets covered in instant petition and having cost overrun	No	
16	Prayer in brief	
17	Key details and any Specific issue involved	
18	Respondents	
	Name of Respondents	
	1	2. BSES YAMUNA POWER Ltd
	2	3. BSES RAJDHANI POWER Ltd
	3	4. TATA POWER DELHI DISTRIBUTION LTD
	4	5. CHANDIGARH ELECTRICITY DEPTT
	5	6. UTTARAKHAND POWER CORPORATION LTD
	6	7. NORTH CENTRAL RAILWAY
	7	8. NEW DELHI MUNICIPAL COUNCIL
	8	9. SJVN Ltd.
	9	
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	16	
	17	

(Petitioner)



PART-III

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 1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SIVN Ltd.
COD of the Project (if entire scope of project is completed)	12.09.2024 (Proposed)

Rupees in lakh

A) Summary of Capital Cost as on COD and Additional Capital Expenditure claimed for all the assets Covered in the instant petition.												
S. No.	Asset No.	COD	Cut-off Date	i) Apportioned Approved Cost As per IA	ii) Summary of Actual / Projected Capital Cost							Capital Cost as on Cut-off Date
					As on COD	2024-25	2025-26	2026-27	2026-27	2026-27	2026-27	
1	Asset-1	12.09.2024	31.03.2028	576.42	5	6	7	8	9	10	11 = (5+6+7+8+9+10)	12
Total Capital Cost Claimed					299.62	144.45	41.28	20.63	0.00	0.00	505.98	505.98

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								Capital Cost as on Cut-off Date
1	Asset-1	1 no. of 400 kV line bay at 400/220kV Bikaner-II S/s for interconnection of 1000 MW Solar Project of SIVN Ltd.								116.50
Total AFC for all the Assets		51.38	110.79	115.88	117.11	116.50	116.50	116.50	116.50	

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)



**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 whole.	✓
FORM- 4A	Statement of Capital cost	✓
FORM- 4B	Statement of Capital Works in Progress	N.A.
FORM- 4C	Abstract of Capital Cost Estimates and Schedule of Commissioning for the New Project/ Element	N.A.
FORM-5	Element wise Break-up of Project/ Asset/ Element Cost for Transmission System or Communication System	N.A.
FORM-5A	Break-up of Construction/ Supply/ Service packages	N.A.
FORM-5B	Details of all the assets covered in the project	N.A.
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.	N.A.
FORM- 8	Calculation of Return on Equity	✓
FORM-8A	Details of Foreign Equity	N.A.
FORM-9	Details of Allocation of corporate loans to various transmission elements	N.A.
FORM-9A	Details of Project Specific Loans	N.A.
FORM-9B	Details of Foreign loans	N.A.
FORM-9C	Calculation of Weighted Average Rate of Interest on Actual Loans	✓
FORM-9D	Loans in Foreign Currency	N.A.
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	N.A.
FORM- 11	Calculation of Interest on Working Capital	✓
FORM- 12	Details of time over run	N.A.
FORM- 12A	Incidental Expenditure during Construction	N.A.
FORM- 12B	Calculation of IDC & Financing Charges	N.A.
FORM- 13	Details of Initial spares	N.A.
FORM- 14	Non-Tariff Income	N.A.
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)	N.A.
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.	N.A.
3	Copies of relevant loan Agreements	N.A.
4	Copies of the approval of Competent Authority for the Capital Cost and Financial package.	N.A.
5	Copies of the Equity participation agreements and necessary approval for the foreign equity.	N.A.
6	Copies of the BPTA/TSA/PPA with the beneficiaries, if any	N.A.
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	N.A.
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.	N.A.
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.	N.A.
10.	Any other relevant information, (Please specify)	N.A.

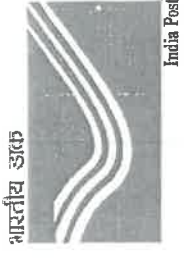
Note 1: Electronic copy of the petition (in words format) and detailed calculation as per these formats (in excel format) and any other information submitted has to be uploaded in the e-filing website and shall also be furnished in pen drive/flash drive.








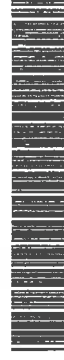
पावरग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड

कार्पोरेट आफिस : प्लॉट नं-02, सेक्टर-29, गुडगाँव (हरियाणा)
(स्पीड पोस्ट बुकिंग लिस्ट)



बी.एन.पी.एल. कोड : एच-जी आर जी, एन.एस.पी.पी.सी.गुडगाँव - 122016

दिनांक 6/12/2024 पृष्ठ संख्या.....

क्र.सं.	नाम	पता	शहर	राज्य	पिनकोड	वजन	बारकोड	टिप्पणी
1.	Chaitan, Jammu Kashmir Power, Jammu.					500g	 EH182297838IN	
2.	Engineer, North Central Railway, Allahabad					"	 EH182297841IN	
3.	Managing Jodhpur Vidyut Vitran, Jodhpur				342 003	"	 EH182297869IN	
4.	Managing Jaipur Vidyut Vitran, Jaipur				30017	"	 EH182297872IN	
5.								
6.								
7.								

Sunder



Amit Kumar Chachan (अमित कुमार चाचन)

From: Amit Kumar Chachan (अमित कुमार चाचन)
Sent: 11 December 2024 10:29
To: 'anurag.bansal@tatapower-ddl.com'; 'cecomavvnl@gmail.com';
'cehppc@uhbvn.org.in'; 'cgmupcl@yahoo.com'; 'chairman@hpseb.in';
'chairman@uppcl.org'; 'chairperson@ndmc.gov.in'; 'cmd-ppspcl@pspcl.in';
'cs.jdvvn1@rajasthan.gov.in'; 'cs.upcl@yahoo.in'; 'csavvnl@gmail.com';
'cshpsebl@gmail.com'; 'cspunjabpower@yahoo.com'; 'csunit.uppcl@gmail.com';
'elop2-chd@nic.in'; 'jaipurdiscom@jvvn1.org'; 'md@upcl.org';
'megha.bajpeyi@relianceada.com'; 'monica.mehra@tatapower-ddl.com';
'ndmcsldc@gmail.com'; 'pankaj.a.tandon@relianceada.com';
'sameer.singh@relianceada.com'; 'seelo-chd@nic.in'; 'sehppc1@uhbvn.org.in';
'seisbpspcl@gmail.com'; 'spatcircle2010@gmail.com';
'suresh.agarwal@relianceada.com'; xen.commercial.aldc@gmail.com
Cc: V C Sekhar (वी.सी. शेखर); K K Choudhary (कंचन कुमार चौधरी)
Subject: Petition for determination of transmission tariff for 2024-29 tariff block for assets under "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" in Northern Region
Attachments: SJVN PBTSL Tariff Petition.pdf

Respected Sir,

A Petition has been filed before Hon'ble Central Commission by POWERGRID Bikaner Transmission System Limited (PBTSL) for determination of transmission tariff for 2024-29 tariff block for assets under "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" in Northern Region. PBTSL has uploaded the Petition in electronic form along with annexures and enclosures on the e-filing portal of the Hon'ble Central Commission and all respondents have been mapped. In addition, a copy of the Petition is also attached herewith for your kind reference being one of the respondent in the Petition.

सादर/Regards,

अमित कुमार चाचन/ Amit Kumar Chachan

उप महाप्रबंधक/ Deputy General Manager

रेगुलेटरी सेल/Regulatory Cell

केन्द्रीय कार्यालय/ Corporate Centre

पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड/ Power Grid Corporation of India Ltd.

Phone: +91-124-2822967| Mobile: +91 9821412227| E-mail : amit.chachan@powergrid.in Office

address: Eighth Floor, POWERGRID, 'Saudamini', Plot No. 2, Sector 29, Gurgaon - 122001, INDIA