

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

Petition 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, 2024 for amendment of existing RTM Transmission License to POWERGRID Bikaner Transmission System Ltd. to include transmission projects “Implementation of Bus Sectionalizer at 400 kV level of 400/220 kV Bikaner-II PS” and “Augmentation of Transformation Capacity at 400/220 kV Bikaner-II PS in Rajasthan by 400/220 kV, 1\*500 MVA ICT (9<sup>th</sup>)” .

**PETITION NO :**

**POWERGRID Bikaner Transmission System Limited**

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

**Registered office:**

B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi - 110 016

**Address for Correspondence:**

C/o ED (TBCB), Power Grid Corporation of India Limited

Saudamini, Plot no.2, Sector -29, Gurgaon 122001



**BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION  
NEW DELHI**

**PETITION No : .....**

**IN THE MATTER OF**

Petition 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, 2024 for amendment of existing RTM Transmission License to POWERGRID Bikaner Transmission System Ltd. to include transmission projects "Implementation of Bus Sectionalizer at 400 kV level of 400/220 kV Bikaner-II PS" and "Augmentation of Transformation Capacity at 400/220 kV Bikaner-II PS in Rajasthan by 400/220 kV, 1\*500 MVA ICT (9th)".

**POWERGRID Bikaner Transmission System Limited**

..... **PETITIONER**

**AND**

Uttar Pradesh Power Corporation Ltd.

Shakti Bhawan, 14, Ashok Marg, Lucknow-226001 (Uttar Pradesh).

.....**RESPONDENT(S)**

And others

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**Filed by  
POWERGRID Bikaner Transmission System Limited**

**Represented by**



**Date:** 25/10/2024  
**Place:** Cuttack

**PROJECT IN CHARGE,  
POWERGRID Bikaner Transmission System Limited**

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.....**RESPONDENT(S)**

And others

To,  
The Secretary,  
Central Electricity Regulatory Commission,  
6th , 7th & 8th Floors, Tower B, World Trade Centre,  
Nauroji Nagar, New Delhi- 110029

Sir,

Petition 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, 2024 for amendment of existing RTM Transmission License to POWERGRID Bikaner Transmission System Limited to include transmission project “Implementation of Bus Sectionalizer at 400 kV level of 400/220 kV Bikaner-II PS” and “Augmentation of Transformation Capacity at 400/220 kV Bikaner-II PS in Rajasthan by 400/220 kV, 1\*500 MVA ICT (9th)” may please be registered.

**Filed by**  
**POWERGRID Bikaner Transmission System Limited**



**Represented by**

**Project In-charge,**

**POWERGRID Bikaner Transmission System Limited**

**Place:** 25/10/2024  
**Date:** Gurugram

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To,

The Secretary,  
Central Electricity Regulatory Commission,  
6th, 7th & 8th Floors, Tower B, World Trade Centre,  
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**MEMO OF PARTIES**

**POWERGRID Bikaner Transmission System Limited**

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**Power Grid Corporation of India Limited, Saudamini,**

**Plot no.2, Sector -29, Gurgaon 122001**

**.....PETITIONER**

**VERSUS**

1.	Uttar Pradesh Power Corporation Ltd. Shakti Bhawan, 14, Ashok Marg, Lucknow-226001 (Uttar Pradesh). Represented by its Chairman	....Respondent
2.	Ajmer Vidyut Vitran Nigam Ltd. Corporate office, Vidyut Bhawan, Panchsheel Nagar, Makarwali road Ajmer-305004 (Rajasthan) Represented by its Managing Director.	....Respondent
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.	....Respondent
4.	Jodhpur Vidyut Vitran Nigam Ltd. New Power House, Industrial Area , Jodhpur – 342 003 (Rajasthan) Represented by its Managing Director.	....Respondent
5.	Himachal Pradesh State Electricity Board Ltd, Vidyut Bhawan, Kumar House Complex Building II, Shimla-171004 (Himachal Pradesh). Represented by its Chairman	....Respondent
6.	Punjab State Power Corporation Limited the Mall, PSEB head office, Patiala - 147 001 Represented by its Chairman and Managing Director	....Respondent
7.	Haryana Power Purchase Centre, Shakti Bhawan, Sector-6, Panchkula-134109 (Haryana). Represented by its S.E. / C & R-1	....Respondent
8.	Jammu Kashmir Power Corporation Limited 220/66/33 kV Gladni SS SLDC buliding Narwal, Jammu Represented by its Chairman	....Respondent
9.	BSES Yamuna Power Ltd. (BYPL) B-Block, Shakti Kiran, Bldg. (Near Karkardooma Courts), Karkardoomam 2nd Floor, New Delhi-110092 Represented by its CEO	....Respondent



10	BSES Rajdhani Power Ltd. (BRPL) BSES Bhawan, Nehru Place, New Delhi-110019. Represented by its CEO	....Respondent
11	Tata Power Delhi Distribution Ltd. (TPDDL) NDPL House, Hudson Lines, Kingsway Camp, Delhi-110009. Represented by its CEO	....Respondent
12	Chandigarh Administration Sector -9, Chandigarh. Represented by its Chief Engineer	....Respondent
13	Uttarakhand Power Corporation Ltd. Urja Bhawan, Kanwali Road, Dehradun (Uttarakhand). Represented by its Managing Director.	....Respondent
14	New Delhi Municipal Council, Palika Kendra, Sansad Marg, New Delhi-110002. Represented by Chairman	....Respondent
15	North Central Railway Allahabad (Uttar Pradesh). Represented by Chief Electrical Distribution Engineer	....Respondent
16	Chief Operating Officer, Central Transmission Utility India Limited (CTUIL) Saudamini, Plot no.2, Sector -29, Gurgaon 122001.	....Respondent
17.	Chief Engineer, Power System Project Monitoring Division Central Electricity Authority, Sewa Bhawan, R. K. Puram, Sector-1, New Delhi - 110 066.	....Respondent



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Shakti Bhawan, 14, Ashok Marg, Lucknow-226001 (Uttar Pradesh).

And others .....RESPONDENT(S)

**The Petitioner respectfully submits as under:**

1. The Petitioner, **POWERGRID Bikaner Transmission System Limited** (“hereinafter referred to as Petitioner”) is a Wholly Owned Subsidiary of Power Grid Corporation of India Limited (POWERGRID).
2. The Petitioner is an Inter-State Transmission Licensee and has implemented the “**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 basis through Tariff Based Competitive Bidding (hereinafter





referred to as “TBCB Project”) mode. This Hon’ble Commission vide order dated 15.07.2021 passed in Petition No. 99/TL/2021 granted transmission license (TBCB License) to the Petitioner for aforesaid TBCB Project.

Abovementioned TBCB Project assigned to Petitioner has been commissioned and the detailed scope of TBCB project along with implementation schedule is as follows:-

Sr.	Name of the Transmission Element	Scheduled COD in months from Effective Date
1.	<p>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. 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.</p> <p><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</p>	18 Months from Effective Date or June 2022, whichever is 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 minimum capacity of 2100 MVA on each circuit at nominal voltage.





3. Subsequently, this Hon'ble Commission vide order dated 21.11.2022 in Petition no 137/TL/2022 has granted separate transmission license (RTM License) to implement the following Transmission Projects under Regulated Tariff Mechanism (RTM) to the Petitioner.

3.1. **“Implementation of 220 kV bays for RE generators and 400/220kV ICTs at Bikaner-II PS”**: Applicant was nominated vide CTUIL OM dated 16.11.2021

Sl. 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. 220 kV ICT bays - 2 nos.	Both ICT -- 24.11.2023
2.	4 nos. 220 kV line bays	220 line bays – 4 nos.	30.12.23 31.03.24 No change

3.2. **“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.”**: Applicant was nominated vide CTUIL OM dated 26.04.2022

Sl. No.	Scope of the Transmission Scheme	Capacity/km	Implementation Timeframe
1.	1 no. of 400 kV line bay	400 kV line bay - 1 no.	01.10.2023

3.3. **“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.)”**: Applicant was nominated vide CTUIL OM dated 25.08.2022

SI No.	Scope of the Transmission Scheme	Capacity/km	Implementation Timeframe
1.	2 nos. of 220 kV line bays	220 kV bay – 2 nos.	15 months from the issue of OM by CTUIL, i.e. 24.11.2023
2.	Implementation of 220 kV Bus Sectionalizer along with bus coupler and transfer bus coupler	220kV Bus Sectionalizer 220 kV Bus Coupler 220 kV Transfer Bus Coupler Bay - 1 no.	



4. The above Transmission License was amended by Hon'ble Commission vide order dated 28.01.2024 in Petition 181/TL/2023 to incorporate the following Transmission Projects under Regulated Tariff Mechanism (RTM) to the Petitioner.

**4.1. Implementation of 1 no. of 220 kV line bay at 400/220 kV Bikaner-II PS for interconnection of solar project (M/s NHPC Ltd.):** Applicant was nominated vide CTUIL OM dated 28.11.2022

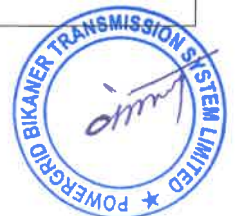
<i>Sl no</i>	<i>Scope of the Transmission Scheme</i>	<i>Capacity/km</i>	<i>Implementation timeframe</i>
1	1 no. of 220 kV line bay at 400/220 kV Bikaner-II PS for interconnection of RE project (NHPC Ltd.)	220 kV line bay – 1 no. (refer note a)	15 months from the issue of OM by CTUIL, i.e. <b>27.02.2024</b>
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)	

**Note:**

a) At 220 kV Bikaner-II, future line bays in Section-C are proposed to be allocated to RE developers with bays in 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.

**4.2. Implementation of 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.:** Applicant was nominated vide CTUIL OM dated 17.01.2023

<i>Sl. No.</i>	<i>Scope of the Transmission Scheme</i>	<i>Capacity/km</i>	<i>Implementation timeframe</i>
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



4.3. **Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex) - Part-E.** Applicant was nominated vide CTUIL OM dated 16.02.2023

<b>Sl. No.</b>	<b>Scope of the Transmission Scheme</b>	<b>Capacity/km</b>	<b>Implementation timeframe</b>
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

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

4.4. **Augmentation of transformation capacity at 400/220 kV Bikaner-II PS by 400/220 kV, 1X500 MVA ICT (3rd).** Applicant was nominated vide CTUIL OM dated 08.06.2023

<b>Sl. No.</b>	<b>Scope of the Transmission Scheme</b>	<b>Capacity/km</b>	<b>Implementation timeframe</b>
1.	Augmentation of transformation capacity at 400/220 kV Bikaner-II PS by 400/220 kV, 1X500 MVA ICT (3rd) 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

Copy of the order dated 21.11.2022 in Petition no 137/TL/2022 & dated 28.01.2024 in Petition 181/TL/2023 is enclosed as **Annexure-1**.

5. That meanwhile CTUIL vide OM dated 26.10.2023 & OM dated 18.07.2024 has assigned the Transmission Projects “**Implementation of Bus Sectionalizer at 400kV level of 400/220kV Bikaner-II PS**” and “**Augmentation of Transformation Capacity at 400/220 kV Bikaner-II PS in Rajasthan by 400/220 kV, 1\*500 MVA ICT (9th)**” respectively to Petitioner under RTM mode. The detailed scope is as follows;



**“Implementation of Bus Sectionalizer at 400kV level of 400/220kV Bikaner-II PS”**

<i>Sl. No.</i>	<i>Scope of the Transmission Scheme</i>	<i>Item Description</i>	<i>Implementation timeframe</i>
1.	<ul style="list-style-type: none"> <li>• One set of bus sectionalizer at 400kV level of 400/220kV Bikaner-II PS</li> <li>• One no. of 400kV tie bay (associated with 400/220kV ICT-4)</li> </ul>	<ul style="list-style-type: none"> <li>• 400 kV Bus sectionalizer– 1 no.</li> <li>• 400kV tie bay–1 no.</li> </ul>	Matching with implementation of 400/220kV ICTs (4th to 7th) i.e., Dec’24
<b>Total Estimated Cost:</b>			<b>Rs 28 Crs</b>

**Augmentation of Transformation Capacity at 400/220 kV Bikaner-II PS in Rajasthan by 400/220 kV, 1\*500 MVA ICT (9th)**

<i>Sl. No.</i>	<i>Scope of the Transmission Scheme</i>	<i>Item Description</i>	<i>Implementation timeframe</i>
1.	Augmentation of Transformation Capacity at 400/220 kV Bikaner-II PS in Rajasthan by 400/220 kV, 1*500 MVA ICT (9th) along with associated transformer bays	<ul style="list-style-type: none"> <li>• 500 MVA, 400/220 kV ICT– 1 no.</li> <li>• 400kV ICT bay– 1 no.</li> <li>• 220 kV ICT bay– 1 no.</li> </ul>	18 months from the date of issuance of OM by CTUIL i.e. 18.01.2026.
<b>Total Estimated Cost:</b>			<b>Rs 54.60 Crs</b>

Copy of the CTUIL OM dated 26.10.2023 & 18.07.2024 is enclosed as **Annexure-2**.

6. That Regulation 4 (1)(b) of Central Electricity Regulatory Commission (Procedure, Terms and Conditions for Grant of Transmission License and other related matters) Regulations, 2024 (herein after referred as “Transmission License Regulations, 2024”) allows an entity selected by the Central Government or its authorized agency to implement a project under the regulated tariff mechanism. Relevant extracts are as follows;

*4. Eligibility for Grant of licence*

*(1) No person shall be eligible for grant of licence for inter-State transmission of electricity unless it is,*

*(a) selected through the process under the competitive bidding guidelines issued under section 63 of the Act; or*

**(b) an entity selected by the Central Government or its authorized agency to implement a project under the regulated tariff mechanism.**



7. Further, Regulation 16 of the Transmission License Regulations, 2024 provides for the amendment of the existing RTM license in case an existing licensee which has been granted a transmission licence pursuant to being nominated by the Central Government or its authorized agency to implement transmission element(s) under regulated tariff mechanism, is further nominated to implement additional transmission element(s) under regulated tariff mechanism and it shall be eligible to add such transmission element(s) to its existing licence, by making an application before the Commission in terms of this Regulation. Relevant extracts are as follows;

16. Amendment of Licence

*(1) The Commission may on its own motion or on an application made by the licensee (other than deemed licensee) or otherwise make such alterations and amendments in the terms and conditions of licence, if the Commission is of the opinion that the public interest so requires inter-alia under the following categories:*

.....

*(c) Where an existing licensee which has been granted a transmission licence pursuant to being nominated by the Central Government or its authorized agency to implement transmission element(s) under regulated tariff mechanism, is further nominated to implement additional transmission element(s) under regulated tariff mechanism, it shall be eligible to add such transmission element(s) to its existing licence, by making an application before the Commission in terms of this Regulation.*

8. That, considering the above, instant Petition is being filed for amendment of existing RTM Transmission License granted by this Hon'ble Commission vide order dated 21.11.2022 in Petition no 137/TL/2022 alongwith amendment dated 28.01.2024 in Petition 181/TL/2023 to POWERGRID Bikaner Transmission System Limited, to include transmission projects **“Implementation of Bus Sectionalizer at 400 kV level of 400/220 kV Bikaner-II PS” and “Augmentation of Transformation Capacity at 400/220 kV Bikaner-II PS in Rajasthan by 400/220 kV, 1\*500 MVA ICT (9th)”** as detailed at para 5 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, 2024 and the Petitioner meets the eligibility criterion.



9. The Petitioner humbly submits that this Hon'ble Commission may be pleased to amend the already granted RTM Transmission License to Petitioner to include scope of works under RTM as detailed at para 5 hereinabove.
10. It is submitted that on completion of the Project, the Petitioner shall approach the Hon'ble Commission with the actual cost incurred for determination of transmission charges in accordance with Section 61, 62 of the Electricity Act, 2003 and Tariff Regulations in vogue as per 10 (2) of the Transmission License Regulations, 2024.
11. It is respectfully submitted that in terms of Transmission License Regulations, Petitioner has fulfilled the following:
- a) The Applicant shall map CTUIL on the e-portal of this Hon'ble Commission at the earliest as per the procedure in vogue and completion of relevant formalities. The Applicant is also sending a copy of the present Petition to CTUIL via e-mail in accordance with the requirement under section 15 (3) of the Electricity Act, 2003 and Regulation 5 (3) of Transmission License Regulations, 2024 for its recommendation under section 15 (4) of the Electricity Act, 2003 and Regulation 5 (9) of Transmission License Regulations, 2024.
  - b) That a copy of the Application has also been marked to Designated ISTS Customers (DICs) and beneficiaries of the Northern Region as party to the Petition. If this Hon'ble Commission deems necessary to implead any other party, then Petitioner shall implead such party as directed by this Hon'ble Commission.
  - c) Duly filled in Form 1 for grant of transmission License in accordance with the Transmission License Regulations is enclosed herewith and marked as **Annexure-3**.
  - d) The application along with Form-I is being hosted on the website of the applicant and is accessible on [www.powergrid.in/subsidiaries](http://www.powergrid.in/subsidiaries) in compliance with Regulation 5 (4) of Transmission License Regulations, 2024. It is undertaken that notice of the Application as per Form-II of Transmission License Regulations shall be posted on the e-filing portal of the Commission and also on the Applicant's website in compliance with Regulation 5 (4) of Transmission License Regulations, 2024.
  - e) In compliance with Regulation 5(5) Transmission License Regulations, 2024, the





notice of the Application as per Form-II of Transmission License Regulations shall be published in two leading daily digital newspaper, one in English and another in Hindi i.e., Indian language of the Rajasthan state where the elements of the project are situated for inviting comments from general public. The notice shall also be kept posted on the website of the applicant.

f) Appropriate fee for instant Petition stands paid.

12. It is submitted that Section 14 of the Electricity Act, 2003 empowers the Appropriate Commission to amend the transmission License and as such this Hon'ble Commission has jurisdiction to amend transmission license to the Petitioner for implementation of scope of works as detailed at para 5 above.

### PRAYER

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

- a) Amend the existing RTM Transmission License, granted by this Hon'ble Commission vide order dated 21.11.2022 in Petition no 137/TL/2022 alongwith amendment dated 28.01.2024 in Petition 181/TL/2023 to incorporate the transmission projects **“Implementation of Bus Sectionalizer at 400 kV level of 400/220 kV Bikaner-II PS” and “Augmentation of Transformation Capacity at 400/220 kV Bikaner-II PS in Rajasthan by 400/220 kV, 1\*500 MVA ICT (9th)”** assigned by CTUIL vide OM dated 26.10.2023 & 18.07.2024 respectively under Regulated Tariff Mechanism (RTM) mode.
- b) Allow the Petitioner the liberty to approach the Hon'ble Commission with actual cost on completion of works for determination of transmission charges for the aforementioned additional scope in accordance with Section 61, 62 of the Electricity Act, 2003 and applicable Tariff Regulations as per 10 (2) of the Transmission License Regulations, 2024.
- c) Condone any inadvertent omissions/ shortcomings/ errors and permit the Petitioner to add/ modify/ alter this Petition and make further submissions as may be required at a future date.
- d) Pass such other order / orders, as may be deemed fit and proper in the facts & circumstances of the case





**POWERGRID Bikaner Transmission System Limited**  
(A 100% wholly owned subsidiary of Power Grid Corporation of India Limited)

**Date:** 25/10/2024  
**Place:** Gurugram

**Represented by**  
**PROJECT-IN-CHARGE,**  
**POWERGRID Bikaner Transmission System Limited**



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**IN THE MATTER OF**

Petition 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, 2024 for amendment of existing RTM Transmission License to POWERGRID Bikaner Transmission System Ltd. to include transmission projects "Implementation of Bus Sectionalizer at 400 kV level of 400/220 kV Bikaner-II PS" and "Augmentation of Transformation Capacity at 400/220 kV Bikaner-II PS in Rajasthan by 400/220 kV, 1\*500 MVA ICT (9th)".

**POWERGRID Bikaner Transmission System Limited**

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

**Registered office:** B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi 110 016

**Address for correspondence:** C/o ED (TBCB), Power Grid Corporation of India Limited, Saudamini, Plot no.2, Sector -29, Gurgaon 122001

.....**PETITIONER**

**AND**

Uttar Pradesh Power Corporation Ltd.

Shakti Bhawan, 14, Ashok Marg, Lucknow-226001 (Uttar Pradesh) and others

.....**RESPONDENT(S)**

**AFFIDAVIT**

I, K. K. Choudhury, S/o Shri R K Choudhary, working as Project-in-charge do hereby solemnly affirm and state as follows:

1. I am the Authorised Signatory of the Petitioner Company in the above matter and I am duly authorized to affirm this affidavit. I say that I am conversant with the facts and circumstances of this case.
2. The statements made in paragraphs of the Petition, are true to the best of my knowledge and belief based on the information received and I believe them to be true.
3. I say that there are no proceedings pending in any court of law / tribunal or arbitrator or any other authority, wherein the Petitioner is a party and where issues arising and / or reliefs sought are identical or similar to the issues in the matter pending before the Hon'ble Commission.



**Deponent**

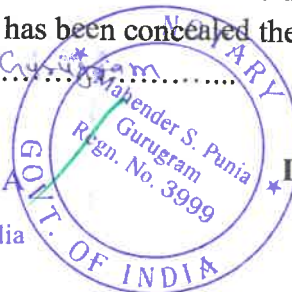
**VERIFICATION:**

I do hereby solemnly affirm that the contents of the above affidavit are true to the best of my knowledge, no part of it is false and nothing material has been concealed therefrom.

Verified by me on this the 25<sup>th</sup> day of October 2024 at Gurugram

**ATTESTED**

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



**Deponent**



**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: 21<sup>st</sup> 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.

Order in Petition No. 137/TL/2022



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, 2<sup>nd</sup> 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

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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.).**



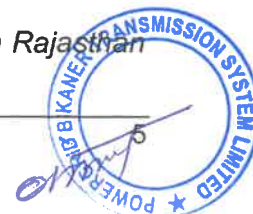
<b>S. No.</b>	<b>Scope of the Transmission Scheme</b>	<b>Capacity/km</b>	<b>Implementation timeframe</b>
1.	2 nos. of 220 kV line bays at 400/220 kV Bikaner-II PS for interconnection of RE projects (ACME Solar Holdings Pvt Ltd., Prerak Greentech Pvt. Ltd.)	220 kV line bay – 2 Nos. (refer to note a)	15 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"> <li>• 220kV Bus Sectionalizer Bay-1 Set</li> <li>• 220 kV Bus Coupler Bay -1 No.</li> <li>• 220 kV Transfer Bus Coupler Bay-1 No.</li> <li>• Bus extension works for future Bays (3 Nos. of Line Bays &amp; 3 Nos. of ICT Bays) – 1 Set</li> </ul>	

**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><b>18 Months from the effective date or June 2022, whichever is later</b></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:**

- i. POWERGRID to provide space for 2 number of 400 kV bays at Bhiwadi substation.
- ii. 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 6<sup>th</sup> 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 through 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.*

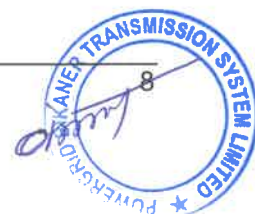
23. *It is noticed that as per the Ministry of Power, Government of India letter dated 28.10.2021, ISTS costing less than or equal to Rs. 100 crore is required to be approved by CTUIL along with mode of implementation. However, in the present case, CTUIL vide its OMs dated 16.11.2021, 26.4.2022 and 25.8.2022 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.

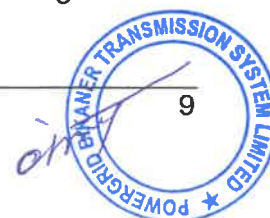
Order in Petition No. 137/TL/2022



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

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

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



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

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

9. CTUIL vide Record of Proceedings for the hearing dated 15.11.2022 was to file the information regarding compliance of the order dated 7.10.2022. CTUIL vide its affidavit dated 17.11.2022 has submitted that CTUIL has communicated to the Petitioner that RE developers, who have been granted Stage-II connectivity at Bikaner-II PS, have updated the commissioning schedule of their generation project as recorded in 23<sup>rd</sup> 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:

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

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

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

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

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

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

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

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: 28<sup>th</sup> 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 (3<sup>rd</sup>)" 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, 2<sup>nd</sup> 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

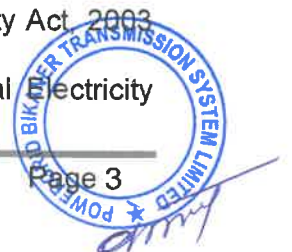
**The following were present:**

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

Order in Petition No. 181/TL/2023



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 (3<sup>rd</sup>) 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.):**

<b>S no</b>	<b>Scope of the Transmission Scheme</b>	<b>Capacity/km</b>	<b>Implementation timeframe</b>
1	1 no. of 220 kV line bay at 400/220 kV Bikaner-II PS for interconnection of RE project (NHPC Ltd.)	<ul style="list-style-type: none"> <li>220 kV line bay – 1 no. (refer to note a)</li> </ul>	15 months from the issue of OM by CTUIL, i.e. <b>27.2.2024</b>
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)	
<b>Total Estimated Cost:</b>			<b>Rs.29.21 crore</b>



**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
<b>Total Estimated Cost:</b>			<b>INR 11.68 Crore</b>

**(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
<b>Total Estimated Cost:</b>			<b>INR 368 Crore**</b>

\*\* 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 (3<sup>rd</sup>)**

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 <sup>rd</sup> ) 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		
<b>Total estimated cost:</b>		<b>Rs. 55.82 crore</b>

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”**

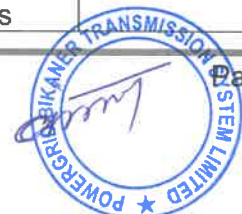
<b>S. No.</b>	<b>Scope of the Transmission Scheme</b>	<b>Capacity</b>	<b>Implementation timeframe</b>
1.	2x500 MVA, 400/220 kV ICT at Bikaner-II PS	400/220 kV, 500 MVA ICT - 2 nos. 400 kV ICT bays - 2 nos. 220 kV ICT bays - 2 nos.	ICT-I: March, 2023 ICT-II: April, 2023
2.	4 nos. 220 kV line bays	220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

<b>S. No.</b>	<b>Scope of the Transmission Scheme</b>	<b>Capacity/km</b>	<b>Implementation timeframe</b>
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.).**

<b>S. No.</b>	<b>Scope of the Transmission Scheme</b>	<b>Capacity/km</b>	<b>Implementation timeframe</b>
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 (3<sup>rd</sup>) on the Regulated Tariff Mechanism (RTM) mode" as described in paragraph 1 of the order, the Commission, after considering the application of the Petitioner in light of the provisions of the Act and the Transmission Licence Regulations, vide its order dated 13.11.2023, *prima facie* proposed to grant a transmission licence to the Petitioner. The relevant extract of the order dated 13.11.2023 is extracted as under:

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

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

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

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

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

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

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



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

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





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

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

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

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

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

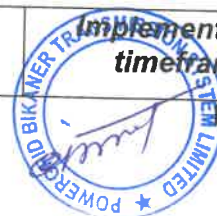


8. In our order dated 13.11.2023, we had proposed to grant the transmission licence to the Petitioner company and directed the issue of public notice, against which no suggestions/objections have been received as stated above. Further, CTUIL, in its letters dated 21.6.2023 and 22.8.2023, has recommended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

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

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

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



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. <b>27.2.2024</b>
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)	
<b>Total Estimated Cost:</b>			<b>Rs.29.21 crore</b>

**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:**



<b>S. No.</b>	<b>Scope of the Transmission Scheme</b>	<b>Capacity/km</b>	<b>Implementation timeframe</b>
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 (3<sup>rd</sup>)**

<b>S. No.</b>	<b>Scope of the Transmission Scheme</b>	<b>Capacity/km</b>	<b>Implementation timeframe</b>
1.	Augmentation of transformation capacity at 400/220 kV Bikaner-II PS by 400/220 kV, 1X500 MVA ICT (3 <sup>rd</sup> ) 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. <b>7.12.2024</b>

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.

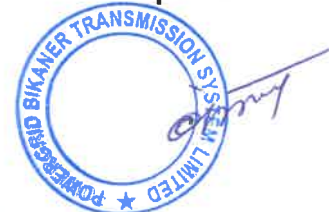
12. Let an extract copy of this order be sent to the Central Government in the Ministry of Power and the Central Electricity Authority in terms of sub-section (7) of Section 15 of the Electricity Act, 2003, for their information and record.

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 यूलिटी ऑफ इंडिया लिमिटेड

(पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड के स्वामित्व में)

(भारत सरकार का उद्यम)

Annex-2

## CENTRAL TRANSMISSION UTILITY OF INDIA LTD.

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

(A Government of India Enterprise)

Ref. No.: C/CTU/AI/00/15<sup>th</sup> CCTP/POWERGRID

26<sup>th</sup> October 2023

### 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. No.	Name of Transmission Scheme	Implementing Agency
<b>Eastern Region</b>		
1.	Eastern Region Expansion Scheme-XXXVIII (ERES-XXXVIII)	Power Grid Corporation of India Ltd.
2.	Eastern Region Expansion Scheme-41 (ERES-41)	Power Grid Corporation of India Ltd.
<b>Western Region</b>		
3.	Augmentation of Transformation Capacity at 400/220 kV Bhachau substation in Gujarat by 400/220 kV, 1x500 MVA ICT (3rd)	Power Grid Corporation of India Ltd.
4.	Augmentation of Transformation Capacity at 400/220 kV Magarwada GIS substation in DD & DNH by 400/220 kV, 1x500 MVA ICT (3rd)	Power Grid Corporation of India Ltd.
5.	Replacement of 63 MVA Bus reactor with 125MVA Bus reactor at 400kV level of Jabalpur S/s of POWERGRID	Power Grid Corporation of India Ltd.
<b>Northern Region</b>		
6.	Augmentation of Transformation Capacity at 400/220 kV Fatehgarh-III PS(Section-1) by 400/220 kV, 1x500 MVA ICT (5th)	POWERGRID Ramgarh Transmission Ltd. (a subsidiary of Power Grid Corporation of India Ltd.)
7.	Implementation of Bus Sectionalizer at 400kV level of 400/220kV Bikaner-II PS	POWERGRID Bikaner Transmission System Ltd. (a subsidiary of Power Grid Corporation of India Ltd.)
<b>Southern Region</b>		
8.	Augmentation of Transformation Capacity at 400/220 kV Hassan Substation in Karnataka by 400/220 kV, 1x500 MVA ICT (3rd)	Power Grid Corporation of India Ltd.

The detailed scope of works for the above transmission schemes is given at **Annexure-I**.

The above transmission schemes are awarded to the Implementing Agency for its implementation under RTM mode. The implementing agency shall enter into a concession



"सौदामिनी", प्रथम तल, प्लॉट सं.2, सेक्टर-29, गुरुग्राम- 122001 (हरियाणा), दूरभाष: 0124-2822000, सीआईएन: U40100HR2020GOI091857

"Saudamini", 1st Floor, Plot No. 2, Sector-29, Gurugram-122001 (Haryana), Tel.: 0124-2822000, CIN: U40100HR2020GOI091857

Website: <https://www.ctui.in>

agreement with CTU for the implementation of the above-mentioned transmission schemes through the Regulated Tariff Mechanism (RTM).

This issues with the approval of Competent Authority.

*Ashok Pal.*  
**(Ashok Pal)**  
**Dy. Chief Operating Officer**

**Encl: as stated.**



To:

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

Copy to:

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

**2. Shri Om Kant Shukla**  
Director (Trans)  
Ministry of Power,  
Shram Shakti Bhawan,  
Rafi Marg, New Delhi 110 001



**Annexure-I**

**Eastern Region**

**1. Eastern Region Expansion Scheme-XXXVIII (ERES-XXXVIII)**

<b>Sl. No.</b>	<b>Scope of the Transmission Scheme</b>	<b>Item Description</b>	<b>Implementation Timeframe.</b>
1.	Shifting of Ranchi (POWERGRID) – Raghunathpur (DVC) 400kV D/c (Quad) line to bays 431 and 434 in diameters 431-432-433 and 434-435-436 at Ranchi (POWERGRID) end: about 1.27km new line section ( <i>refer note a</i> ).	400kV D/c (Quad) line – 1.27 km	24 months from the issuance of OM by CTUIL
2.	Dismantling of 1355m section of Ranchi (POWERGRID) – Raghunathpur (DVC) 400kV D/c (Quad) line of DVC at Ranchi end from tower location 433 to 438 and scraping of the same ( <i>refer note b</i> ).	-	
3.	Shifting of 420kV, 125MVAR bus reactor installed in bay no. 431 to bay no. 413 [vacated after shifting of Ranchi (POWERGRID) – Raghunathpur (DVC) 400kV ckt-2] at Ranchi (POWERGRID) end.	-	
4.	Shifting of equipment of bay no. 416 [released upon shifting of Ranchi (POWERGRID) – Raghunathpur (DVC) 400kV ckt-3] to bay no. 434 for completion/establishment of bay no. 434 at Ranchi (POWERGRID) end.	-	
5.	Installation of 420kV, 1x80MVAR switchable line reactor, one each in both circuits of Raghunathpur (DVC) – Ranchi-New (POWERGRID) 400kV D/c (Quad) line [formed after bypassing of Ranchi (POWERGRID) – Raghunathpur (DVC) and Ranchi (POWERGRID) – Ranchi-New (POWERGRID) ckt-3 & 4 of 400kV D/c (Quad) lines from Ranchi-New through tie circuit breaker in diameters 431-432-433 and 434-435-436] at Ranchi-New (POWERGRID) end along 400ohm NGR (including NGR bypass scheme).	420kV, 1x80MVAR switchable line reactor with 500ohm NGR (including NGR bypass scheme) – 2 no.	
<b>Total Estimated Cost:</b>			<b>₹ 41.74 Crore</b>

**Note:**

- a) The ISTS licensee shall coordinate with DVC for shifting of Ranchi (POWERGRID) – Raghunathpur (DVC) 400kV D/c (Quad) line to bays 431 & 434. Further, ISTS licensee shall also take care of completion of communication link upon line shifting.
- b) The scrap value of the tower members, ACSR conductor, auxiliaries etc. of dismantled assets shall be deducted by the ISTS licensee as per prevailing scrap value to arrive at the final cost of the project. As the scrap value of dismantled assets (about 1355m of line) is already being



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adjusted against the project cost of this new scheme, tariff of Ranchi (POWERGRID) – Raghunathpur (DVC) 400kV D/c (Quad) line of DVC shall remain unaffected.

- c) During the implementation period of the above scheme, ERS can be used for temporary bypassing of Ranchi (POWERGRID) – Raghunathpur (DVC) and Ranchi (POWERGRID) – Ranchi-New (POWERGRID) ckt-3 & 4 lines outside Ranchi S/s so as to facilitate shifting of bus reactor and bay equipment, if required.
- d) Upon implementation of this scheme, the Ranchi (POWERGRID) – Raghunathpur (DVC) 400kV D/c (Quad) line may be bypassed from Ranchi S/s with Ranchi – Ranchi (New) 400kV D/c line (ckt-3 & ckt-4) through tie circuit breakers (432 & 435) as per system requirement and based on instructions from Grid-India.

## 2. Eastern Region Expansion Scheme-41 (ERES-41)

Sl. No.	Scope of the Transmission Scheme	Item Description	Implementation Timeframe.
1.	Installation of 400/220kV, 1x500MVA ICT (3 <sup>rd</sup> ) along with associated bays at Rajarhat GIS (POWERGRID) 400kV S/s	<ul style="list-style-type: none"> <li>• 400/220kV, 1x500MVA ICT– 1 no.</li> <li>• 400kV GIS ICT Bay– 1 no. + 1 no. additional bay for diameter completion (<i>refer note a</i>)</li> <li>• 220kV GIS ICT Bay– 1 no.</li> <li>• 400kV GIS duct (1-phase) – 650m</li> <li>• 220kV GIS duct (1-phase) – 300m</li> </ul>	21 months from the date of issuance of OM by CTUIL
<b>Total Estimated Cost:</b>			<b>₹ 86 Crore</b>

### Note:

- a) In view of GIS substation, complete diameter with three Circuit Breakers (one and half switching scheme) needs to be implemented at 400kV level for installation of 3<sup>rd</sup> ICT in one 400kV bay. Utilisation of other 400kV bay of the diameter shall be identified in future.

## Western Region

### 3. Augmentation of Transformation Capacity at 400/220 kV Bhachau substation in Gujarat by 400/220 kV, 1x500 MVA ICT (3rd)

Sl. No.	Scope of the Transmission Scheme	Item Description	Implementation Timeframe.
1.	Augmentation of Transformation capacity at 400/220kV Bhachau S/s in Gujarat by 400/220kV 1x500MVA ICT (3 <sup>rd</sup> )	<ul style="list-style-type: none"> <li>• 400/220kV, 1x500MVA ICT–1 No.</li> <li>• 400kV ICT bay – 1 No.</li> <li>• 220kV ICT bay – 1 No.</li> </ul>	18 months from date of issuance of OM by CTUIL
<b>Total Estimated Cost:</b>			<b>₹ 49 Crore</b>



4. Augmentation of Transformation Capacity at 400/220 kV Magarwada GIS substation in DD & DNH by 400/220 kV, 1x500 MVA ICT (3rd)

Sl. No.	Scope of the Transmission Scheme	Item Description	Implementation Timeframe.
1.	Augmentation of Transformation capacity at 400/220kV Magarwarda GIS S/s by 400/220kV 1x500MVA ICT (3 <sup>rd</sup> )	<ul style="list-style-type: none"> <li>• 400/220kV, 1x500MVA ICT – 1 No.</li> <li>• 400kV GIS ICT Bay– 1 No.</li> <li>• 220kV GIS ICT Bay – 1 No.</li> <li>• 400kV GIS duct (1ph) – 350m. (approx.)</li> <li>• 220kV GIS duct (1ph) – 150m. (approx.)</li> </ul>	21 months from date of issuance of OM by CTUIL
<b>Total Estimated Cost:</b>			<b>₹ 64 Crore</b>

5. Replacement of 63 MVAR Bus reactor with 125MVAR Bus reactor at 400kV level of Jabalpur S/s of POWERGRID

Sl. No.	Scope of the Transmission Scheme	Item Description	Implementation Timeframe.
1.	Replacement of 420kV, 63 MVAR Bus reactor with 420kV, 125MVAR bus reactor at Jabalpur (PG) S/s along with associated civil works	• 420kV, 125MVAR bus reactor – 1 No.	27 months from date of issuance of OM by CTUIL
<b>Total Estimated Cost:</b>			<b>₹ 17 Crore</b>

Northern Region

6. Augmentation of Transformation Capacity at 400/220 kV Fatehgarh-III PS(Section-1) by 400/220 kV, 1x500 MVA ICT (5th)

Sl. No.	Scope of the Transmission Scheme	Item Description	Implementation Timeframe.
1.	Augmentation with 400/220kV, 1x500MVA Transformer at Fatehgarh-III PS (5th ICT at Section-1) along with associated transformer bays*  *1 no. of 400kV (AIS) (including associated tie bay) and 1 no. of 220kV (AIS) transformer bay	<ul style="list-style-type: none"> <li>• 500 MVA 400/220 kV ICT – 1no.</li> <li>• 400 kV ICT bay (including associated tie bay) – 1 no.</li> <li>• 220 kV ICT bay – 1 no.</li> </ul>	18 months from the date of issuance of OM by CTUIL
<b>Total Estimated Cost:</b>			<b>₹ 58.18 Crore</b>





**7. Implementation of Bus Sectionalizer at 400kV level of 400/220kV Bikaner-II PS**

Sl. No.	Scope of the Transmission Scheme	Item Description	Implementation Timeframe.
1.	<ul style="list-style-type: none"> <li>One set of bus sectionalizer at 400kV level of 400/220kV Bikaner-II PS</li> <li>One no. of 400kV tie bay (associated with 400/220kV ICT-4)</li> </ul>	<ul style="list-style-type: none"> <li>400 kV Bus sectionalizer- 1 no.</li> <li>400kV tie bay-1 no.</li> </ul>	Matching with implementation of 400/220kV ICTs (4 <sup>th</sup> to 7 <sup>th</sup> ) i.e., Dec'24
<b>Total Estimated Cost:</b>			<b>₹ 28 Crore</b>

**Southern Region**

**8. Augmentation of Transformation Capacity at 400/220 kV Hassan Substation in Karnataka by 400/220 kV, 1x500 MVA ICT (3rd)**

Sl. No.	Scope of the Transmission Scheme	Item Description	Implementation Timeframe.
1.	Augmentation of Transformation Capacity at 400/220 kV Hassan Substation in Karnataka by 400/220 kV, 1x500 MVA ICT (3 <sup>rd</sup> )	<ul style="list-style-type: none"> <li>500 MVA 400/220 kV ICT-1no.</li> <li>400 kV ICT bay (in existing dia) - 1 no.</li> <li>220 kV ICT bay - 1 no.</li> </ul>	18 months from the date of issuance of OM by CTUIL
<b>Total Estimated Cost:</b>			<b>₹ 49 Crore</b>





## 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)

Ref. No.: C/CTU/AI/00/19<sup>th</sup> CCTP

18<sup>th</sup> July 2024

#### 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. No.	Name of Transmission Scheme	Implementing Agency
<b>Northern Region</b>		
1.	Augmentation of Transformation Capacity at 765/400/220kV Bikaner PS in Rajasthan by 400/220kV, 1x500MVA ICT (4th)	Power Grid Corporation of India Ltd.
2.	Augmentation of Transformation Capacity at 400/220kV Bhiwadi(PG) S/s in Rajasthan by 400/220kV, 1x500MVA ICT (4th)	Power Grid Corporation of India Ltd.
3.	Augmentation of Transformation Capacity at 400/220kV Bikaner-II PS in Rajasthan by 400/220kV, 1x500MVA ICT (9th)	POWERGRID Bikaner Transmission System Ltd. (a subsidiary of Power Grid Corporation of India Ltd.)

The detailed scope of works for the above transmission schemes is given at **Annexure-I**.

The above transmission schemes are awarded to the Implementing Agency for its implementation under RTM mode. The implementing agency shall enter into a concession agreement with CTU for the implementation of the above-mentioned transmission 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:**

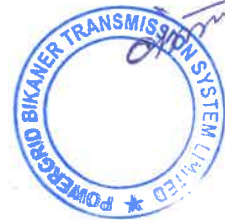
<b>1. The Chairman &amp; Managing Director</b> Power Grid Corporation of India Ltd., Saudamini, Plot No. 2, Sector-29, Gurgaon- 122 001	<b>2. POWERGRID Bikaner Transmission System Ltd.</b> (a subsidiary of Power Grid Corporation of India Ltd.) Saudamini, Plot No. 2, Sector-29, Gurgaon – 122009.
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**Copy to:**

<b>1. Shri B.S. Bairwa</b> Chief Engineer (I/c) & Member Secretary (NCT) Central Electricity Authority Sewa Bhawan, R. K. Puram, New Delhi-110 066.	<b>2. Shri Om Kant Shukla</b> Director (Trans) Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110 001
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**CC:**

<b>1. Director (Technical)</b> Rajasthan Rajya Vidyut Prasaran Nigam Ltd. Vidyut Bhawan, Jaipur, Rajasthan-302005. <a href="mailto:dir.tech@rvpn.co.in">dir.tech@rvpn.co.in</a>	<i>For kind information, please.</i>
<b>2. Director (Technical)</b> Haryana Vidyut Prasaran Nigam Ltd. Shakti Bhawan, Sector-6, Panchkula, Haryana -134109. <a href="mailto:cepd@hvpn.org.in">cepd@hvpn.org.in</a>	<i>For kind information, please.</i>



Northern Region**1. Augmentation of Transformation Capacity at 765/400/220kV Bikaner PS in Rajasthan by 400/220kV, 1x500 MVA ICT (4th)**

<b>Sl. No.</b>	<b>Scope of the Transmission Scheme</b>	<b>Item Description</b>	<b>Implementation Timeframe.</b>
1.	Augmentation of Transformation Capacity at 765/400/220kV Bikaner PS in Rajasthan by 400/220kV 1x500MVA ICT (4 <sup>th</sup> ) along with associated transformer bays	<ul style="list-style-type: none"> <li>• 500 MVA, 400/220 kV ICT-1 no.</li> <li>• 400 kV ICT bay – 1no.</li> <li>• 220 kV ICT bay – 1 no.</li> </ul>	18 months from the date of issuance of OM by CTUIL i.e. 18.01.2026.
<b>Total Estimated Cost:</b>			<b>₹ 57.59 Crore</b>

**2. Augmentation of Transformation Capacity at 400/220kV Bhiwadi(PG) S/s in Rajasthan by 400/220kV, 1x500MVA ICT (4th)**

<b>Sl. No.</b>	<b>Scope of the Transmission Scheme</b>	<b>Item Description</b>	<b>Implementation Timeframe.</b>
1.	Augmentation of Transformation Capacity at 400/220kV Bhiwadi(PG) S/s in Rajasthan by 400/220kV, 1x500MVA ICT (4 <sup>th</sup> ) along with associated transformer bays	<ul style="list-style-type: none"> <li>• 500 MVA, 400/220 kV ICT - 1 no.</li> <li>• 400 kV ICT bays – 1 no.</li> <li>• 220 kV ICT bay – 1 no.</li> <li>• 220kV Cable (1ph) – 3200mtr (4x800mtr) approx.</li> <li>• 220kV Cable Termination Kit – 8 nos.</li> </ul>	18 months from the date of issuance of OM by CTUIL i.e. 18.01.2026.
<b>Total Estimated Cost:</b>			<b>₹ 65.25 Crore</b>

**3. Augmentation of Transformation Capacity at 400/220kV Bikaner-II PS in Rajasthan by 400/220kV, 1x500MVA ICT (9th)**

<b>Sl. No.</b>	<b>Scope of the Transmission Scheme</b>	<b>Item Description</b>	<b>Implementation Timeframe.</b>
1.	Augmentation of Transformation Capacity at 400/220kV Bikaner-II PS in Rajasthan by 400/220kV, 1x500MVA ICT (9 <sup>th</sup> ) along with associated transformer bays.	<ul style="list-style-type: none"> <li>• 500 MVA, 400/220 kV ICT - 1 no.</li> <li>• 400 kV ICT bay - 1 no.</li> <li>• 220 kV ICT bay - 1 no.</li> </ul>	18 months from the date of issuance of OM by CTUIL i.e. 18.01.2026.
<b>Total Estimated Cost:</b>			<b>₹ 54.60 Crore</b>



## Form-I

**Application Form for Grant of Transmission licence / Amendment in the  
Transmission licence**

## 1. Particulars of the Petitioner

Sl No	Particulars	Particulars
I	Name of the Petitioner	POWERGRID Bikaner Transmission System Limited (A 100% wholly owned subsidiary of Power Grid Corporation of India Limited)
ii	Status	Public Limited Company
	Subject Matter	Petition 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, 2024 for amendment of existing RTM Transmission License to POWERGRID Bikaner Transmission System Limited to include transmission projects "Implementation of Bus Sectionalizer at 400 kV level of 400/220 kV Bikaner-II PS" and "Augmentation of Transformation Capacity at 400/220 kV Bikaner-II PS in Rajasthan by 400/220 kV, 1*500 MVA ICT (9th)".
iii	Address of the Petitioner	B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi – 110 016
iv	Name, Designation & Address of the contact person	Mr K. K. Choudhury PROJECT INCHARGE, POWERGRID Bikaner Transmission System Limited (100% wholly owned subsidiary of Power Grid Corporation of India) C/o ED (TBCB) Power Grid Corporation of India Limited Saudamini, Plot no.2, Sector -29, Gurgaon 122001
v	Contact Tele. No.	9560690612
vi	Fax No.	-
vii	Email ID	kanchan@powergrid.in
viii	Place of Incorporation / Registration	New Delhi, India
ix	Year of Incorporation / Registration	2020
X	Copies of the following documents are enclosed:	
	a) Certificate of Registration	Enclosure 1
	b) Copy of Power of Attorney	Enclosure 2



**2. Particulars of the Project for which licence / Amendment in licence (list of existing elements and proposed addition /deletion element in case) is being sought:**

Details of the project proposed to be implemented under Regulated Tariff Mechanism (RTM) mode are as follows:

**As per the CTUIL OM C/CTU/AI/00/15<sup>th</sup> CCTP/POWERGRID dated 26.10.2023:**

**i. Project - “Implementation of Bus Sectionalizer at 400 kV level of 400/220 kV Bikaner-II PS”**

**a. Transmission Lines: NIL**

**b. Sub-stations**

S.No	Name (Location)	Voltage level	Transformer	Reactive/ capacitive compensation	No of bays
1	Bikaner-II PS	400kV	-	-	<ul style="list-style-type: none"> <li>Bus sectionalizer at 400kV level -1 nos.</li> <li>400kV tie bay for 400/220kV ICT-4- 1 Nos</li> </ul>

**c. Remarks: Application is being filed for element to be added**

**d. Scheduled COD: Matching with implementation of 400/220kV ICTs (4th to 7th) i.e., Dec’24**

**e. Agreements with Identified Long-term transmission customers or CTU for the Project, as applicable: NA**

**ii. Project - “Augmentation of Transformation Capacity at 400/220 kV Bikaner-II PS in Rajasthan by 400/220 kV, 1\*500 MVA ICT (9th)”.**

**a. Transmission Lines: NIL**

**b. Sub-stations**

S.No	Name (Location)	Voltage level	Transformer	Reactive/ capacitive compensation	No of bays
1	Bikaner-II PS	400/220 kV	<ul style="list-style-type: none"> <li>500 MVA, 400/220 kV ICT- 1 no.</li> </ul>		<ul style="list-style-type: none"> <li>400kV ICT bay-1 no.</li> <li>220 kV ICT bay- 1 no.</li> </ul>



- c. Remarks: Application is being filed for element to be added
- d. Scheduled COD: 18 months from date of issuance of OM by CTUIL i.e. 18.01.2026.
- e. Agreements with Identified Long-term transmission customers or CTU for the Project, as applicable: NA

**3. Quoted transmission charges in case of project selected through the guidelines of competitive bidding and estimated completion cost of the project in other cases:**

**Estimated completion cost as per CTUIL OMs**

- Implementation of Bus Sectionalizer at 400 kV level of 400/220 kV Bikaner-II PS – Rs 28 Crs
- Augmentation of Transformation Capacity at 400/220 kV Bikaner-II PS in Rajasthan by 400/220 kV, 1\*500 MVA ICT (9th) – Rs 54.6 Crs

4. (a) Approval of Central Government as per Electricity (Transmission System Planning, Development and Recovery of Inter-state Transmission Charges) Rules, 2021

CTUIL OM is attached

- (b) Evaluation report (if made public) by the Bid Process Coordinator

Not Applicable

**5. List of documents enclosed:**

- a) Certificate of Registration: Enclosure-1
- b) Copy of Power of Attorney: Enclosure-2



Signature of the Petitioner

Date: 25/10/2024

Place: Gurugram



Encl-1



सत्यमेव जयते  
GOVERNMENT OF INDIA  
MINISTRY OF CORPORATE AFFAIRS

Office of the Registrar of Companies  
4th Floor, IFCI Tower 61, New Delhi, Delhi, India, 110019

**Certificate of Incorporation pursuant to change of name**  
*[Pursuant to rule 29 of the Companies (Incorporation) Rules, 2014]*

Corporate Identification Number (CIN): U40300DL2020GOI363669

I hereby certify that the name of the company has been changed from BIKANER-II BHIWADI TRANSCO LIMITED to POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED with effect from the date of this certificate and that the company is limited by shares.

Company was originally incorporated with the name BIKANER-II BHIWADI TRANSCO LIMITED.

Given under my hand at New Delhi this Sixteenth day of July two thousand twenty-one.

DS DS MINISTRY OF CORPORATE AFFAIRS (GOVT OF INDIA)

KAMNA SHARMA  
DROC  
Registrar of Companies  
RoC - Delhi

Mailing Address as per record available in Registrar of Companies office:

POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED

B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi, South Delhi, Delhi, India, 110016





सत्यमेव जयते

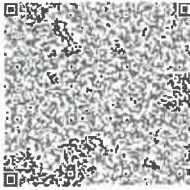
Encl-2

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

*[Handwritten Signature]*

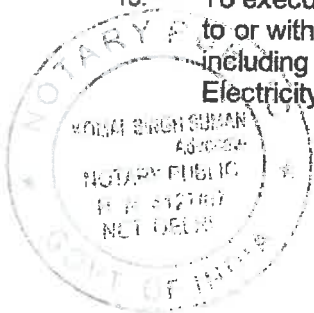


**Statutory Alert:**

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

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

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




*See*



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

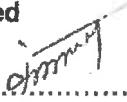
14. To execute Consultancy, Funding and other Agreements
15. To act as administrator for e-filing process with CERC and other Statutory authorities.
16. Generally, to do all lawful acts, necessary for the above-mentioned purposes.
17. To further delegate any of the aforesaid Powers except for SI Nos.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

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

.....   
Signed by the within named  
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 01<sup>st</sup> day of May, 2024

Accepted

.....   
(Signature of Attorney)

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

Attested

.....   
(Signature of the Executant)

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

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


WITNESS





ATTESTED  
  
NOTARY PUBLIC, DELHI

- 1 MAY 2024



  
[Mrs. Aditi Jain  
Company Secretary]

  
[Shri Rajiv Srivastava  
(Director)]

  
[Smt. Sangeeta Saxena  
(Director)]

**Form-I**

<b>Particulars</b>	
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 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, 2024 for amendment of existing RTM Transmission License to POWERGRID Bikaner Transmission System Ltd. to include transmission projects "Implementation of Bus Sectionalizer at 400 kV level of 400/220 kV Bikaner-II PS" and "Augmentation of Transformation Capacity at 400/220 kV Bikaner-II PS in Rajasthan by 400/220 kV, 1*500 MVA ICT (9th)".
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	NA
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	Rs 1,00,000/-
9. Fee paid for Miscellaneous Petition	NA
10. Fees paid for Interlocutory Application	NA



11. Fee paid for Regulatory Compliance petition	NA
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 – Bg challan method Rs. 1,00,000/-

**POWERGRID BIKANER TRANSMISSION SYSTEM LIMITED**

