BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION, AT NEW DELHI

PETITION NO. ___/TL/2026

IN THE MATTER OF: Petition under Sections 14, 15 79(1)(e) of the Electricity Act, 2003 read with Central Electricity Regulatory Commission (Procedure, Terms and Conditions for Grant of Transmission Licence and other related matters) Regulations, 2024 seeking grant of a Transmission Licence for development of 2 Nos. 220 kV Line bays at Handia S/s for Handia-Bagli (New) 220 kV D/c line, under Regulated Tariff Mechanism

AND IN THE MATTER OF:

Rajgarh Neemuch Power Transmission Limited **...PETITIONERS**

VERSUS

Central Transmission Utility of India Limited & Ors. **...RESPONDENTS**

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THROUGH Hemant Singh

Digitally signed by Hemant Singh
Date: 2026.09.23 19:44:19 +05'30'

HEMANT SINGH/ SUPRIYA RASTOGI/ LAVANYA PANWAR

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PLACE: NEW DELHI
DATE:23.09.2026

BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION, AT NEW DELHI

PETITION NO. ___/TL/2026

MEMO OF PARTIES

IN THE MATTER OF:

1. Rajgarh Neemuch Power Transmission Limited
GR one, Plot No. 7B, Sector 18,
Maruti Industrial Complex,
Gurugram Haryana 122015

…PETITIONERS

VERSUS

1. Central Transmission Utility of India Limited
Having its Registered office at
Power Grid Corporation of India Limited
CTU-Planning (1st Floor-A Wing)
Saudamini, Plot No. – 2, Sector – 29
Near IFFCO Chowk Metro Station
Gurgaon, Haryana– 122 001

2. Madhya Pradesh Power Transmission
Company Limited (MPPTCL)
Block No. 3, 3rd Floor, Shakti Bhawan, Rampur,
Jabalpur,
MADHYA PRADESH - 482008

…**RESPONDENTS**

THROUGH

HEMANT SINGH/ SUPRIYA RASTOGI/
LAVANYA PANWAR

CHARTER LAW CHAMBERS,
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G-10, JANGPURA EXTENSION
NEW DELHI-110014
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E-MAIL: desk@charter.law

PLACE: NEW DELHI
DATED:23.09.2026

BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI
PETITION NO. /TL/2026

IN THE MATTER OF: Petition under Sections 14, 15 79(1)(e) of the Electricity Act, 2003 read with Central Electricity Regulatory Commission (Procedure, Terms and Conditions for Grant of Transmission Licence and other related matters) Regulations, 2024 seeking grant of a Transmission Licence for development of 2 Nos. 220 kV Line bays at Handia S/s for Handia-Bagli (New) 220 kV D/c line, under Regulated Tariff Mechanism

AND IN THE MATTER OF:

Rajgarh Neemuch Power Transmission Limited **...PETITIONER**

VERSUS

Central Transmission Utility of India Ltd & Anr. ...**RESPONDENTS**

AFFIDAVIT

I, Mr. Pothiawala Afak, s/o Shri Pothiawala Amin, aged about 40 years, working as Senior Manager of the Petitioner Company, having its office at GR One, Plot No. 7B, Sector 18, Maruti Industrial Complex, Gurugram, Haryana. Pin-122015, presently in New Delhi, do hereby affirm and state as follows:



1. That the deponent is the Authorized Signatory of Petitioner Company and is well versed with the facts and circumstances of the case and therefore competent to swear this Affidavit.

2. That the accompanying petition under Sections 14, 15, 79(1)(e) of the Electricity Act, 2003, has been filed by my nominated counsel under my instruction and the contents of the same are true and correct to the best of my knowledge and belief.

3. That the contents of Para 1 to 48 of the facts mentioned in the petition are true and correct based on the personal knowledge, belief and records maintained in the office and the contents of Para 1 to 48 of the petition are believed to be true on the basis of legal advice.

4. That, the Annexures annexed to the petition are correct and true copies of their respective originals.

5. That the Deponent has not filed any other Petition or Appeal before any other forum or court of law with respect to the subject matter of the dispute.

The Seal of Notary Public * Appointed by Govt. of India * RENU AGRAWAL Regd. No. 17902/2019 My Commission Expire on 23/12/2029

... DEPONENT

VERIFICATION

Verified at New Delhi on this 23 SEP 2026 day of September 2026, that contents of my above noted affidavit are true and correct to my knowledge and no part of it is false and nothing material has been concealed therefrom.

I identified the deponent Who has signed in my presence

ATTESTED
NOTARY PUBLIC
(INDIA)

... DEPONENT

23 SEP 2026

BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION

NEW DELHI

PETITION NO. /TL/2026

IN THE MATTER OF: Petition under Sections 14, 15 79(1)(e) of the Electricity Act, 2003 read with Central Electricity Regulatory Commission (Procedure, Terms and Conditions for Grant of Transmission Licence and other related matters) Regulations, 2024 seeking grant of a Transmission Licence for development of 2 Nos. 220 kV Line bays at Handia S/s for Handia-Bagli (New) 220 kV D/c line, under Regulated Tariff Mechanism

AND IN THE MATTER OF:

Rajgarh Neemuch Power Transmission Limited **…PETITIONER**

VERSUS

Central Transmission Utility of India Ltd & Anr. …**RESPONDENTS**

PETITION UNDER SECTIONS 14, 15, AND 79 OF THE ELECTRICITY ACT, 2003 READ WITH THE CENTRAL ELECTRICITY REGULATORY COMMISSION (PROCEDURE, TERMS AND CONDITIONS FOR GRANT OF TRANSMISSION LICENCE AND OTHER RELATED MATTERS) REGULATIONS, 2024

MOST RESPECTFULLY SHOWETH:

A. EXECUTIVE SUMMARY OF THE PETITION

I. BRIEF BACKGROUND OF THE PETITIONER

1. The Petitioner viz. Rajgarh Neemuch Power Transmission Limited ("**Petitioner/ RNTL**") is a company registered under the Companies Act 2013 which is a Special Purpose Vehicle ("**SPV**") setup for the purpose of Build, Own, Operate and Transfer the Project viz. "*Transmission System for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh – Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh – Phase II*" ("**Transmission Project**").

II. BRIEF BACKGROUND OF THE RESPONDENTS

2. Respondent No. 1 viz. Central Transmission Utility of India ("**CTUIL**") is the Nodal Agency under Section 38 of the Electricity Act 2003 ("**EA 2003**") with whom the Petitioner has executed the Transmission Service Agreement dated 29.09.2025 ("**TSA**").

3. Respondent No. 2 viz. Madhya Pradesh Power Transmission Company Limited ("**MPPTCL**") is the State Transmission Utility in the State of Madhya Pradesh.

III. PROOF OF SERVICE TO THE RESPONDETNS

4. The Respondents have been served with the copy of the present petition vide an email dated 23.09.2026 which is annexed herewith and marked as **ANNEXURE P-1**.

IV. STATUS OF THE PETITIONER:

5. It is stated that pursuant to execution of the SPA on 29.09.2025, the Petitioner became a subsidiary company of M/s. GR Infraprojects Limited, and is the Transmission Service Provider ("**TSP**") in terms of the Transmission Service Agreement dated 29.09.2025.

V. BRIEF DESCRIPTION OF IMPORTANT EVENTS/INVESTMENT APPROVAL/CLEARANCES RELEVANT TO THE ASSETS UNDER CONSIDERATION IN THE PRESENT PETITION:

6. The Petitioner is filing the present petition under Sections 14, 15 and 79 including 79(1)(e) of EA 2003 read with the Central Electricity Regulatory Commission (Procedure, Terms and Conditions for Grant of Transmission Licence and other related matters) Regulations, 2024 ("**CERC Transmission Licence Regulations 2024**") seeking grant of a Transmission Licence for

development of 2 Nos. 220 kV Line bays at Handia S/s for Handia-Bagli (New) 220 kV D/c line under the Western Region Bay Scheme-II under Regulated Tariff Mechanism ("**RTM**"). At this stage, it is pertinent to state that the Petitioner has been granted a Transmission Licence vide Order dated 15.01.2026 passed by this Hon'ble Commission in Petition No. 860/TL/2025 to implement the Transmission Project on Build, Own, Operate and Transfer basis.

7. For implementation of the Transmission Project, on 27.08.2025, M/s G R Infraprojects Ltd., the holding company of the Petitioner, was issued a Letter of Intent ("**LoI**") and was declared as successful bidder by the Bid Process Co-ordinator i.e. RECPDCL, pursuant to the Tariff Based Competitive Bidding ("**TBCB**") process conducted in terms of the Request for Proposal dated 24.03.2025 ("**RFP**") and the Guidelines issued by the Ministry of Power ("**MoP**"), Government of India under Section 63 of EA 2003.

8. As per Schedule 2 of the Transmission Service Agreement dated 29.09.2025 ("**TSA**"), the Transmission Project, which is to be executed by the Petitioner, comprises of the following elements:

Sl. No.	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
1.	Creation of New 220 kV Bus from Section (3rd) with 220 kV Bus Sectionaliser and 400/220 kV, 3x500 MVA ICT augmentation (7th, 8th & 9th) at Pachora PS terminated on 220 kV Bus Section (3rd)	24 months from effective date as per TSA (29.09.2027)	5.04%	Elements at Sl. No. 1, 2a, 3 and 4 pre-required for declaring the commercial operation (COD)
2.	2a. 3 Nos. 220 kV line bays for RE interconnection on Bus Section (3rd)		0.48%	
	2b. 1 No. 220 kV line bay fir RE Interconnection of Purvah Green Power Pvt. Ltd. on Bus Section (3rd)		0.16%	Elements at Sl. No. 2b can be commissioned separately subject to commissioning of elements 1, 2a, 3 and 4
3.	Pachora PS – Rajgarh (PG) 400 kV D/c line		24.54%	Elements at Sl. No. 1, 2a, 3 and 4 are pre-

Sl. No.	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
	(Quad ACSR/ AAAC/ AL59 Moose equivalent) alongwith with associated line bays at both ends and 50 MVAr (Sw LR) on each ckt at both ends			required for declaring the commercial operation (COD)
4.	Installation of 1x125 MVAr, 420 kV bus reactor at Pachora PS (400 kV Bus Section - II)		0.86%	
5.	Creation of New 220 kV Bus Section-II at Neemuch PS with Augmentation of transformation capacity by 3x500 MVA, 400/220 kV ICTs (3rd, 4th, and 5th) at Neemuch S/s		5.04%	All Elements are required for declaring the commercial operation (COD) of the subject scheme

Sl. No.	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
	alongwith associated Bays			
6.	4 Nos. 220 kV Line bays at Neemuch PS for RE interconnection		0.64%	
7.	Neemuch PS - Pachora PS 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) along associated Line bays and 50 MVAr Switchable Line Reactor (Sw LR) on each ckt at both ends		26.26%	
8.	Establishment of 2x500 MVA, 400/220 kV S/s at Handiya alongwith 2x125 MVAr 420 kV Bus Reactors		7.41%	
9.	Pachora PS - Handiya 400 **kV** *Die* line (Quad		25.55%	

Sl. No.	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
	ACSRI *AAACI* AL59 Moose equivalent) along with associated bays at Pachora PS end and 50 MVAr Switchable Line Reactor (Sw LR) on each ckt at both ends			
10.	LILO of Khandwa (PG) - Itarsi (PG) 400 kV *Die* (Twin Moose) line at Handiya S/s		3.38%	
11.	Installation of 1x125 MVAr, 420 kV bus reactor (2nd) at Neemuch PS		0.64%	

Thus, as per Schedule 2 of Transmission Service Agreement, the Scheduled Commercial Operation Date ("**SCOD**") of the Transmission Project is 29.09.2027 i.e., 24 months since Effective Date.

9. That, in order to implement the aforementioned Inter-State Transmission Project, the Petitioner filed a petition being Petition No. 860/TL/2026 under Sections 14 and 15 of EA 2003 read with CERC Transmission Licence Regulations 2024 for grant of Transmission Licence, wherein vide Order dated 15.01.2026, the Petitioner was granted the Transmission Licence on the stipulation that it will not undertake any other business for optimum utilization of the transmission system without prior intimation to this Hon'ble Commission.

10. From the aforementioned scheme, it is stated that in terms of the conditions prescribed in the Transmission Licence, the Petitioner is in the process of implementing the said transmission system. Subsequently, during the 43rd Consultation Meeting for Evolving Transmission Schemes in Western Region held on 24.03.2026 by CTUIL, MPPTCL proposed development of a new 220/132 kV sub-station near Bagli and a new 220 kV DCDS line from Handia (ISTS) 400 kV Sub-station to the proposed Bagli Sub-station, in order to meet the power requirement of the Hatpipaliya Micro Lift Irrigation Scheme and strengthen the intra-State transmission network.

During the said meeting, CTUIL noted that although the Handia Sub-station was being developed under the Transmission Scheme of the Petitioner, additional 220 kV line bays on Bus Section-II were required specifically for the Handia–Bagli (New) 220 kV D/c line. CTU further noted that space for an additional 8 nos. of 220 kV bays had already been earmarked on the future Bus Section-II at Handia under the RfP documents.

11. The proposed Bagli connectivity was therefore not part of the original scope evacuation scheme. Rather, it constituted a subsequent requirement necessitating creation of 220 kV Bus Section-II, including a sectionalisation bay, together with 2 nos. of 220 kV line bays at the Handia Sub-station for termination of the Handia–Bagli line.

12. During the aforesaid deliberations, MPPTCL initially proposed that the creation of Bus Section-II be undertaken under the ISTS, while the Handia–Bagli line would be implemented under the Intra-State Transmission System. CTUIL observed that splitting the interconnected works between ISTS and In-STS could result in multiple implementing agencies, mismatch in execution timelines and associated liabilities. Accordingly, it was decided that the sub-

station-side works should be implemented entirely under ISTS, while the Handia–Bagli line would be implemented by MPPTCL under In-STS in the matching timeframe.

13. Accordingly, the implementation of 2 Nos. 220 kV Line bays at Handiya S/s for Handia-Bagli (New) 220 kV D/c line along with two bus Sectionaliser evolved as a distinct transmission scheme comprising of the following elements to be implemented by the Petitioner vide the Office Memorandum dated 07.08.2026 issued by CTUIL:

2. Western Region Bay Scheme-II (WRBS-II): Implementation of 2 Nos. 220 kV line bays at Handiya S/s for Handiya - Bagli (New) 220 kV D/c line

Sl. No.	Scope of the Transmission Scheme	Item Description	Implementation Timeframe
3.	Creation of 220 kV Bus Section-II at 400/220 kV Handiya S/s	• 220 kV Sectionalization bay: 1 set • 220 kV TBC: 1 No. • 220 kV BC: 1 No.	24 months from the date of allocation of scheme.
4.	2 nos. 220 kV line bays (on Bus Section-II) at 400/220 kV Handiya S/s (for termination of Handiya - Bagli (New) 220 kV D/c line)	• 220kV line bays (on Bus Section-II): 2 nos.	
		Total Estimated Cost:	**₹35.18 Cr. (at Jan'26 PL)**

14. As a result of the above, the Petitioner has been directed to implement the aforementioned elements under Regulated Tariff Mechanism ("**RTM**") mode i.e., under cost plus route in terms of Section 62 of EA 2003, which is in line with the MoP office Order

dated 28.10.2021 and MoP Gazette notification dated 23.08.2025, alongwith the present Transmission Project. Accordingly, the Petitioner seeks a separate license under Sections 14, 15 and 79(1)(e) readwith CERC Transmission License Regulations 2024, for implementation of 2 Nos. 220 kV Line bays at Handia S/s for Handia-Bagli (New) 220 kV D/c line under RTM.

15. Hence, the present petition is preferred by the Petitioner before this Hon'ble Commission seeking grant of the Transmission Licence for development of 2 Nos. 220 kV Line bays at Handia S/s for Handia-Bagli (New) 220 kV D/c line under the provisions of the EA 2003 and applicable Regulations.

VI. PROOF OF ELIGIBILITY IN ACCORDANCE WITH REGULATION 4 OF THE CENTRAL ELECTRICITY REGULATORY COMMISSION (PROCEDURE, TERMS AND CONDITIONS FOR GRANT OF TRANSMISSION LICENCE AND OTHER RELATED MATTERS) REGULATIONS, 2024

16. In this regard, it is submitted that the Petitioner was directed by Respondent No. 1/ CTUIL to implement/ construct 2 Nos. 220 kV Line bays at Handia S/s for Handia-Bagli (New) 220 kV D/c line, in terms of the Office Memorandum dated 07.08.2026 (*issued by CTUIL*) on account of the fact that the Petitioner has already

undertaken construction of "*Transmission System for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh – Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh – Phase II*" as an ISTS Licensee. Additionally, the Petitioner was granted a transmission license by this Hon'ble Commission vide order dated 15.01.2026 passed in Petition No. 860/TL/2026.

B. DETAILED PETITION

17. The Ministry of Power, Government of India, vide its notification dated 18.03.2025 (**"Notification")** notified RECPDCL to be the Bid Process Coordinator for the purpose of selection of a Bidder which can subsequently act as a Transmission Service Provider for establishing the Transmission Project through tariff based competitive bidding process.

18. Pursuant to the acquisition of 100% shareholding of the SPV, RECPDCL issued the RFP dated 24.03.2025 for inviting the bids and thereby selecting the prospective TSP in accordance with the "*Tariff Based Competitive-Bidding Guidelines for Transmission Service*" and "*Guidelines for Encouraging Competition in*

Development of Transmission Projects" issued by MoP under Section 63 of the EA 2003.

A copy of the RFP dated 24.03.2025 along with letters dated 24.03.2025 issued to this Hon'ble Commission and MoP, are annexed herewith and marked as **Annexure P-2 (Colly).**

19. Meanwhile it is pertinent to mention that a company in the form of SPV and by the name of "*Rajgarh Neemuch Power Transmission Limited*" i.e., the Petitioner herein, was incorporated under the Companies Act, 2013 and thereafter became a wholly owned subsidiary of the BPC/ RECPDCL to initiate the steps towards execution of the Transmission Project. Pursuant to the selection of successful bidder by BPC, the said bidder has to act as the 'Transmission Service Provider' (**"TSP"**) after acquiring the above SPV from BPC.

A copy of the Certificate of Registration of the Applicant Company/ SPV and Board Resolution is enclosed herewith and marked as **Annexure P – 3 (Colly.).**

A copy of the Memorandum of Association along with the Articles of Association of the Petitioner/ SPV is annexed herewith and marked as **Annexure P - 4 (Colly.).**

20. It is submitted that pursuant to the issuance of RFP, Respondent No. 2/ BPC initiated the process of TBCB for selection of the successful bidder, who must subsequently acquire the SPV as per the Guidelines issued by the Government of India under Section 63 of EA 2003.

21. Thereafter, in accordance with the provisions of RFP and the timeline provided therein, M/s G R Infraprojects Ltd. submitted its technical and financial bid to BPC on 04.07.2025 in response to the final RFP.

22. Further, on 27.08.2025, BPC declared M/s G R Infraprojects Ltd. as a successful bidder in terms of Clause 3.6 of RFP. Accordingly, BPC issued a Letter of Intent to M/s G R Infraprojects Ltd. Thereafter, vide email dated 02.09.2025, G R Infraprojects unconditionally accepted the terms contained in the said LoI.

23. On 17.09.2025, MoP approved the sale and transfer of SPV to the successful bidder selected through TBCB process.

24. Further, on 26.09.2025, in compliance with the LoI and Clause 2.12 of RFP, M/s G R Infraprojects Ltd. furnished the Contract Performance Guarantees ("**CPG**") issued by State Bank of India for an aggregate value of Rs. 84.40 Crores (Rupees Eighty Four Crores Forty Lakhs only) separately in favour of CTUIL.

25. Pursuant thereto, in compliance with the obligations provided under Clause 2.15.2 of RFP, on 29.09.2025, M/s G R Infraprojects Limited executed the Share Purchase Agreement with RECPDCL and the SPV. With the execution of the said Agreement, M/s G R Infraprojects Ltd. acquired the 100% shareholding in the Applicant company/ SPV.

    A copy of Share Purchase Agreement dated 29.09.2025 is enclosed herewith and marked as **ANNEXURE P - 5**.

26. On 29.09.2025, the Petitioner executed a TSA with the Respondent No. 1/ Central Transmission Utility of India Ltd. for a term of 35 years. As per Schedule 2 of the TSA, the Scheduled Commercial Operation Date ("**SCOD**") of the Transmission Project is 29.09.2027 i.e., 24 months from the Effective Date.

A copy of Transmission Service Agreement dated 29.09.2025 is enclosed herewith and marked as **ANNEXURE P - 6**.

27. That, in order to implement the aforementioned Inter-State Transmission Project, the Petitioner filed a petition being Petition No. 860/TL/2026 under Sections 14 and 15 of EA 2003 read with CERC Transmission Licence Regulations 2024 for grant of Transmission Licence, wherein vide order dated 15.01.2026, the Petitioner was granted the transmission licence on the stipulation that it will not undertake any other business for optimum utilization of the Transmission System without prior intimation to this Hon'ble Commission.

A copy of the order dated 15.01.2026 issued by this Hon'ble Commission in Petition No. 860/TL/2025 is annexed herewith and marked as **ANNEXURE P - 7**.

28. Subsequently, during the 43rd Consultation Meeting for Evolving Transmission Schemes in Western Region held on 24.03.2026 by CTUIL, MPPTCL proposed development of a new 220/132 kV sub-station near Bagli and a new 220 kV DCDS line from Handia (ISTS) 400 kV Sub-station to the proposed Bagli Sub-station, in order to

meet the power requirement of the Hatpipaliya Micro Lift Irrigation Scheme and strengthen the intra-State transmission network.

During the said meeting, CTUIL noted that although the Handia Sub-station was being developed under the Transmission Scheme of the Petitioner Scheme, additional 220 kV line bays on Bus Section-II were required specifically for the Handia–Bagli (New) 220 kV D/c line. CTU further noted that space for an additional 8 nos. of 220 kV bays had already been earmarked on the future Bus Section-II at Handia under the RfP documents.

29. The proposed Bagli connectivity was therefore not part of the original scope evacuation scheme. Rather, it constituted a subsequent requirement necessitating creation of 220 kV Bus Section-II, including a sectionalisation bay, together with 2 nos. of 220 kV line bays at the Handia Sub-station for termination of the Handia–Bagli line.

During the aforesaid deliberations, MPPTCL initially proposed that the creation of Bus Section-II be undertaken under the ISTS, while the Handia–Bagli line would be implemented under the Intra-State Transmission System. CTUIL observed that splitting the interconnected works between ISTS and In-STS could result in

multiple implementing agencies, mismatch in execution timelines and associated liabilities. Accordingly, it was decided that the sub-station-side works should be implemented entirely under ISTS, while the Handia–Bagli line would be implemented by MPPTCL under In-STS in the matching timeframe. The relevant extract of the 43rd Consultation Meeting for Evolving Transmission Schemes in Western Region is setout hereunder:

*"**Agenda 2: MPPTCL Proposals to CTU***

Proposal-1: Providing space for construction of 2 Nos. 220 kV feeder bays at Handia (ISTS) 400 kV S/s for termination of 220 kV DCDS line from proposed Bagli (Dewas) 220 kV S/s – Agenda by MP-STU (MPPTCL)

It was informed that MPPTCL vide letter dated 19.02.2026, has requested to provide space for the construction of 2 Nos. 220 kV feeder bays at Handia (ISTS) 400 kV S/s for termination of 220 kV DCDS line from proposed Bagli (Dewas) 220 kV S/s.

In this regard, MPPTCL stated the following:

➢ *The Water Resource Department (WRD), GoMP has planned a Hatpipaliya Micro Lift Irrigation Scheme (MLIS) to supply water through pressurized irrigation in Dewas & Khandwa districts. Under the MLIS, 10 Nos. pump houses have been planned, with a total load requirement of about 175 MVA. The timeline of the power requirement is January 2028.*

➢ *In-house system studies were carried out to examine the technical feasibility of providing power supply to the aforementioned WRD project. It was observed that the pump houses are geographically distributed and that capacity margins are not available at nearby EHV Substations such as Chapda 220 kV S/s and the proposed Punasa 220 kV S/s.*

➢ *In view of the above, to extend power supply to the pump houses, the following transmission system works would be required, to be developed at the cost of EE, WRD, Dewas:*

a) Establishment of new 220/132 kV substation near Bagli (District-Dewas) with 2x200 MVA, 220/132 kV + 2x50 MVA, 132/33 kV transformation capacity.

b) Laying of 220 kV DCDS line from proposed Handiya (ISTS) 400 kV S/s to New 220 kV S/s near Bagli.

c) Construction of 2 Nos. 220 kV feeder bays at Handiya (ISTS) 400 kV S/s for termination of 220 kV DCDS line. (subject to approval of CTUIL).

d) LILO of Sivni – Kishangarh 132 kV line at new 220 kV S/s near Bagli.

e) Installation of additional 1x200 MVA, 220/132 kV ICT (3rd) at proposed Punasa 220 kV S/s for connectivity to Pump House-1 & 1A.

➢ *It was further mentioned that out of 175 MVA load envisaged under the MLIS, the* ***102 MVA*** *is proposed to be fed from Bagli 220*
kV S/s.

➢ *In view of the above, the CTUIL was requested to examine the proposal and confirm the availability of space for the construction of 2 Nos. 220 kV feeder bays at Handia (ISTS) 400 kV S/s, at the earliest, to enable MP-STU (MPPTCL) to proceed further.*

➢ *Based on the above analysis, MPPTCL submitted that strengthening of the intra-state transmission network through establishment of a new 220/132kV substation near Bagli (New) and construction of new 220 kV DCDS line from Bagli (New) 220kV S/s to Handia (ISTS) 400kV S/s would ensure a reliable power supply arrangement to meet the future demand of the region. The single line diagram depicting the proposed arrangement was placed before the meeting.*

… … …

➢ *Accordingly, CTUIL was requested to consider and accord approval to the proposal and convey confirmation on the following:*

i. Availability of space for the construction of 2 Nos. 220 kV feeder bays at Handia (ISTS) 400 kV S/s.

ii. Tentative estimated cost, mode of implementation, and timeline of construction of feeder bays by TSP.

iii. Layout drawing of Handia (ISTS) 400 kV S/s indicating the allotted 2 nos. of 220 kV bays to MP-STU.

CTU stated that Handiya S/s is presently under Construction as part of ***"Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II",*** *with an implementation timeframe- 19.09.2027.*

CTU further stated that MPPTCL is required to implement the following scope of works in the matching time-frame of Handiya (ISTS) S/s, as confirmed by MPPTCL vide e-mail dated 23.07.2024:

Sl. No.	*Name of Work*	*Line Length (km)*
1	LILO of both Circuit of Handia (MPPTCL) to Bisonikala (TBCB) 220 kV lines at Handia 400 (New ISTS S/s).	2x10 km (Approx)
2	LILO of Itarsi (MP) to Handia (MPPTCL) 220 kV line at Handia 400 kV (New ISTS S/s).	10 km (Approx)
3	LILO of Itarsi(MP) to Barwaha(MP) 220kV line at Handia 400 (New ISTS S/s).	10 km (Approx)

For the above scope, 8 nos. of 220 kV line bay on Bus Section-I are already being implemented for MPPTCL under the said RE evacuation scheme.

Further, to implement the requested scope related to Bagli connectivity, 2 nos. of 220 kV line bays on Bus Section-II, along with the 220 kV Sectionalizer bay, are required to be implemented in the matching time-frame of the Handia - Bagli (New) 220 kV D/c line i.e. by 31.08.2028, as confirmed by MPPTCL.

Details of the required scope are as under:
➢ Creation of 220kV Bus Section-II:
o 220 kV Sectionalization bay: 1 set
o 220 kV TBC: 1 No.
o 220 kV BC: 1 No.
➢ 220kV line bay: 2 Nos. (Bus Section-II)

Implementation Time-frame: 31.01.2028, as confirmed by MPPTCL.

CTU stated that creation of bus sectionalisation at this stage is preferable, considering that 8 nos. 220 kV line bays are already

terminated at Bus Section-I, and space for an additional 8 nos. 220 kV bays has been earmarked on Bus Section-II (Future) at Handia S/s as per the RfP documents.

CTU further stated that the planned 400/220 kV 2x500 MVA ICTs at Handia S/s are adequate to cater to the enhanced drawal of about 100 MW towards the Bagli area.

MPPTCL requested that the scope of Creation of 220 kV Bus Section-II may be consider under ISTS in the matching time-frame of 2 nos. 220 kV lines, which MPPTCL proposes to implement at the cost of the drawee entities in the Bagli area.

CTU highlighted that splitting the scope between ISTS and In-STS may lead to execution related challenges such as involvement of multiple agencies, mismatches in execution timelines, and associated liabilities. Accordingly, it was decided that the entire scope shall be implemented either by MPPTCL or fully under ISTS for ease of implementation. It was also decided that the minimum implementation schedule shall be 21 months from the date of allocation of works.

MPPTCL subsequently proposed that the entire scope, including creation of 220 kV Bus Section-II and 220 kV line bays, be implemented under ISTS, while the Handia–Bagli (New) 220 kV D/c line shall be implemented under In-STS, with the matching timelines.

Further, MPPTCL vide email dated 22.04.2026 confirmed that the implementation of 2 Nos. of 220 kV line bays along with associated works at Handia (ISTS) substation may be undertaken under ISTS, in matching timeframe of construction of the Handia – Bagli (New) 220 kV D/c line being implemented by MPPTCL.

After deliberations, the following was agreed to be implemented under ISTS:

Western Region Bay Scheme-II (WRBS-II): Implementation of 2 Nos. 220 kV line bays at Handia S/s for Handia - Bagli (New) 220 kV D/c line

Sl. No.	Scope of the Transmission Scheme	Capacity/ Route length
1.	Creation of 220 kV Bus Section-II at 400/220 kV Handia S/s	○ 220 kV Sectionalization bay: 1 set ○ 220 kV TBC: 1 No. ○ 220 kV BC: 1 No.
2.	2 nos. 220 kV line bays (on Bus Section-II) at 400/220 kV Handia S/s (for termination of Handia - Bagli (New) 220 kV D/c line)	○ 220kV line bays (on Bus Section-II): 2 nos.

Note:
1. Implementation Timeframe: 31.01.2028, with a minimum implementation period of 21 months, as agreed by MPPTCL.
2. MPPTCL shall implement the Handia - Bagli (New) 220 kV D/c line in the matching timeframe.

A copy of the Minutes of Meeting for the 43rd Consultation Meeting for Evolving Transmission Schemes in Western Region is annexed herewith and marked as **ANNEXURE P - 8**.

30. Accordingly, vide Office Memorandum dated 07.08.2026 issued by CTUIL, the implementation of 2 Nos. 220 kV Line bays at Handia S/s for Handia-Bagli (New) 220 kV D/c line evolved as a distinct transmission scheme comprising of the following elements which are to be developed by the Petitioner:

2. Western Region Bay Scheme-II (WRBS-II): Implementation of 2 Nos. 220 kV line bays at Handiya S/s for Handiya - Bagli (New) 220 kV D/c line

Sl. No.	Scope of the Transmission Scheme	Item Description	Implementation Timeframe
3.	Creation of 220 kV Bus Section-II at 400/220 kV Handiya S/s	• 220 kV Sectionalization bay: 1 set • 220 kV TBC: 1 No. • 220 kV BC: 1 No.	24 months from the date of allocation of scheme.
4.	2 nos. 220 kV line bays (on Bus Section-II) at 400/220 kV Handiya S/s (for termination of Handiya - Bagli (New) 220 kV D/c line)	• 220kV line bays (on Bus Section-II): 2 nos.	
		Total Estimated Cost:	**₹35.18 Cr. (at Jan'26 PL)**

That, vide said Memorandum, the Petitioner has been directed to implement the aforementioned elements on RTM mode (*i.e., under Section 62 of EA 2003*), alongwith the present Transmission Project.

A copy of the Office Memorandum dated 07.08.2026 issued by CTUIL to the Petitioner is annexed herewith and marked as **ANNEXURE P - 9**.

A copy of the MoP office Order dated 28.10.2021 is annexed herewith and marked as **ANNEXURE P - 10**.

31. It is submitted that the transmission elements i.e., development of 2 Nos. 220 kV Line bays at Handiya S/s for Handiya-Bagli (New) 220 kV D/c line, were not contemplated or included in the original scope of the Transmission Project under the TSA for which the Petitioner was originally granted the Transmission Licence vide order dated 15.01.2026 in Petition No. 860/TL/2025.

The requirement for such elements arose subsequently pursuant to the proposal of MPPTCL for establishment of the Handia–Bagli (New) 220 kV D/c line and the consequent requirement of corresponding sub-station-side infrastructure at Handia. The said

elements are therefore required to be specifically incorporated under a transmission licence to enable the Petitioner to lawfully establish, operate and maintain the same as part of the ISTS.

32. It is further submitted that the proposed elements do not alter the basic nature or character of the Petitioner or the existing Transmission Project. Rather, the elements are necessitated to give effect to a subsequent transmission planning requirement evolved by CTUIL in coordination with the concerned stakeholders and to ensure that the sub-station-side elements at Handia are implemented in an integrated manner with the existing ISTS assets of the Petitioner.

33. It is submitted that the proposed implementation of 2 Nos. 220 kV Line bays at Handia S/s for Handia-Bagli (New) 220 kV D/c line, are technically and operationally connected with the Handia 400 kV Sub-station forming part of the Petitioner's existing Transmission Project. The creation of the additional 220 kV Bus Section-II and the associated 220 kV line bays at Handia is required to facilitate termination of the Handia–Bagli (New) 220 kV D/c line. Accordingly, implementation of the said sub-station-side elements by an entity other than the Petitioner would result in

fragmentation of the ownership, implementation and operation of interconnected assets at the same sub-station.

34. It is submitted that after the grant of transmission licence, the Petitioner shall proceed to implement the transmission scheme under the RTM mode. The estimated completion cost of the transmission scheme, as per CTUIL's Office Memorandum (OM) dated 07.08.2026, is Rs. 35.18 crore. After completion of the transmission scheme, the Petitioner shall approach this Hon'ble Commission for the determination of transmission charges in accordance with the provisions of the Tariff Regulations/ Transmission Licence Regulations.

35. It is submitted that Section 14 of the EA 2003 provides that the Appropriate Commission may, on an application made under Section 15 of the Act, grant Licence to any person to transmit electricity as a transmission licensee in any area as may be specified in the Licence. The word 'person' has been defined in Section 2(49) of the EA 2003 to include any company or body corporate or association or body of individuals, whether incorporated or not, artificial or juridical person. Therefore, the Petitioner in accordance with the obligations provided under TSA

and in terms of Section 14, 15 & 79 (1) (e) of the EA 2003 is filing the present Petition/Application inter-alia seeking grant of Transmission Licence for the implementation of 2 Nos. 220 kV Line bays at Handia S/s for Handia-Bagli (New) 220 kV D/c line, as explained above.

36. Further, it is submitted that Section 15(1) of the EA 2003, provides that every application under Section 14 shall be made in such manner and in such form as may be specified by the Appropriate Commission and shall be accompanied with such fees as may be prescribed. Having regard to the provisions of the parent Act, this Hon'ble Commission has enacted CERC Transmission Licence Regulations, 2024. Accordingly, the Petitioner after possessing the necessary eligibility criterion, has approached this Hon'ble Commission vide the present petition.

37. It is submitted that the grant of transmission license is a pre-condition and is also a requirement in law (*Section 12 of the EA 2003*) without which the Petitioner cannot proceed with the implementation of the Transmission Project as a TSP. As such, the present petition is being filed under Sections 14 and 15 of the EA 2003.

38. This Hon'ble Commission in its Transmission Licence Regulations, 2024 had prescribed the form of Application and the amount of fee for making an application for grant of Transmission Licence. In the present case, the Petitioner is seeking a separate Transmission Licence for implementation of 2 Nos. 220 kV Line bays at Handia S/s for Handia-Bagli (New) 220 kV D/c line, accordingly, the Petitioner is submitting the present petition in such prescribed format along with the fees as per Regulation 5(1) of the said Regulations.

A copy of duly filled Form-I is enclosed herewith and marked as **ANNEXURE P - 11**.

39. It is submitted that a copy of the petition for grant of Transmission Licence is being forwarded to each of the Respondents in terms of Regulation 5(3) of CERC Transmission Licence Regulations 2024.

40. It is further submitted that the Petitioner is simultaneously submitting/furnishing a copy of the instant petition to Central Transmission Utility, as required under Section 15(3) of the EA 2003 and Regulation 5(3) of CERC Transmission Licence Regulations 2024 seeking appropriate recommendations, if any, in

accordance with Section 15(4) of the Act. In addition, CTUIL is also a party Respondent in the present petition.

41. The present petition for grant of Transmission Licence is being posted on its website www.grinfra.com as per Regulation 5(4) of CERC Transmission Licence Regulations 2024 to facilitate the access of the petition by any person through internet.

42. Having regard to the above submissions, the Petitioner submits that it possesses the requisite eligibility criteria for grant of transmission licence as stipulated under CERC Transmission Licence Regulations 2024 and therefore this Hon'ble Commission may grant the prayers as prayed for. The Petitioner further craves leave of this Hon'ble Commission to submit relevant information/ documents as and when required to comply with the obligations under the provisions of law.

43. The proposed scheme is in furtherance of the coordinated development of the Inter-State Transmission System and is necessary to facilitate timely availability of the sub-station infrastructure required for the Handia–Bagli (New) 220 kV D/c line. The proposed scheme would thereby facilitate coordinated implementation of the transmission network, avoid duplication of

sub-station infrastructure and ensure timely strengthening of the transmission system in the concerned area which is public interest.

44. It is submitted that the proposed scheme does not seek to modify or reopen the tariff discovered through the TBCB process for the original Transmission Project or any of the obligations undertaken by the Petitioner under the TSA dated 29.09.2025 in respect thereof. The implementation of 2 Nos. 220 kV Line bays at Handia S/s for Handia-Bagli (New) 220 kV D/c line, has arisen pursuant to a subsequent transmission planning requirement and are proposed to be implemented under RTM in accordance with the directions of CTUIL.

45. The present petition is accordingly limited to obtaining a separate Transmission License so as to authorise the Petitioner to implement 2 Nos. 220 kV Line bays at Handia S/s for Handia-Bagli (New) 220 kV D/c line elements. Accordingly, the annual transmission charges and other applicable costs in respect of the said additional elements shall be determined as per Section 62 of EA 2003 and recovered in accordance with the applicable regulations of this Hon’ble Commission.

46. Having regard to the above submissions, the Petitioner submits that it possesses the requisite eligibility criteria for grant of Transmission Licence as stipulated under CERC Transmission Licence Regulations 2024 and therefore this Hon’ble Commission may grant the prayers as prayed for. The Petitioner further craves leave of this Hon’ble Commission to submit relevant information/ documents as and when required to comply with the obligations under the provisions of law.

47. The Petitioner undertakes to comply with all the other requirements as provided in the CERC Transmission Licence Regulations 2024 in relation to the publication of notices, service on the beneficiaries of the Petitioner's Transmission System. Accordingly, the Petitioner shall place on record the compliance reports before this Hon'ble Commission.

48. The present Petition is being made bona-fide and in the interest of justice.

C. LIMITATION

49. That, the present Petition is being filed within the period of limitation.

D. PRAYERS

50. The Petitioner hereby humbly prays this Hon'ble Commission to:

a. Issue a Transmission Licence to the Petitioner for (i) 220 kV Bus Section-II at 400/220 kV Handiya S/s; and (ii) 2 Nos. 220 kV line bays (on Bus Section-II) at 400/220 kV Handiya S/s (for termination of Handiya – Bagli (New) 220 kV D/c line), and as reflected in Office Memorandum dated 07.08.2026 issued by Respondent No. 1/ Central Transmission Utility of India Limited;

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 Sections 61, 62 and 64 of the Electricity Act, 2003 and applicable Tariff Regulations;

c. Condone any inadvertent errors omissions/ errors/ shortcomings and permit the Petitioner to add/change/modify/alter these pleadings and make further submissions as may be required at a future date; and

d. Pass any such other order / orders, ass may be deemed fit and proper in the facts and circumstances of the case.

IV. ANNEXURES:

51. The details of the Annexures are same as provided in the Index.

V. PROOF OF PAYMENT OF FEES FOR FILING OF THE PETITION

Dated at New Delhi, on this 23 day of Sep , 2026

PETITIONER

ADVOCATES FOR THE PETITIONER
CHARTER LAW CHAMBERS
"CLC HOUSE"
G-10, JANGPURA EXTENSION
NEW DELHI – 110014
PHONE:011 – 41688816/ 41688817
E-mail: desk@charter.law

DECLARATION

The Petitioner above named hereby solemnly declares that nothing material has been concealed or suppressed and further declares that the enclosures and typed set of material papers relied upon and filed herewith are true copies of original(s)/ fair representation of the original(s)/ true translation thereof.

Verified at New Delhi on this day of , 2026.

PETITIONER

ADVOCATES FOR THE PETITIONER
CHARTER LAW CHAMBERS
"CLC HOUSE"
G-10, JANGPURA EXTENSION
NEW DELHI – 110014
PHONE:011 – 41688816/ 41688817
E-mail: desk@charter.law

VERIFICATION

Verified at New Delhi on this day of , 2026 that the contents of my above noted affidavit are true and correct to my knowledge and no part of it is false and nothing material has been concealed therefrom.

DEPONENT

DESK

From:	hemang@charter.law
Sent:	23 September 2026 19:34
To:	ctulaw@powergrid.in; cra.cell.mpptcl@gmail.com
Cc:	Hemant Singh; 'Supriya Rastogi I Charter Law'; lavanya@charter.law; desk@charter.law
Subject:	Rajgarh Neemuch Power Transmission Limited v. CTUIL & Anr.

Dear All,

We act for and on behalf of the Petitioner/ Rajgarh Neemuch Power Transmission Limited in the captioned petition.

Please find attached here the Petition under Sections 14, 15 79(1)(e) of the Electricity Act, 2003 read with Central Electricity Regulatory Commission (Procedure, Terms and Conditions for Grant of Transmission Licence and other related matters) Regulations, 2024 seeking grant of a Transmission Licence for development of 2 Nos. 220 kV Line bays at Handia S/s for Handia-Bagli (New) 220 kV D/c line, under Regulated Tariff Mechanism.

Petition

Kindly treat this mail as proof of service.

This is for your record and information.

Regards,
Associate, Charter Law Chambers

SINGLE STAGE REQUEST FOR PROPOSAL DOCUMENT

FOR

SELECTION OF BIDDER AS TRANSMISSION SERVICE PROVIDER THROUGH TARIFF BASED COMPETITIVE BIDDING PROCESS

TO

ESTABLISH INTER-STATE TRANSMISSION SYSTEM

FOR

TRANSMISSION SYSTEM FOR EVACUATION OF POWER FROM RE PROJECTS IN RAJGARH (1500 MW) SEZ IN MADHYA PRADESH-PHASE III AND EVACUATION OF POWER FROM RE PROJECTS IN NEEMUCH (1000 MW) SEZ IN MADHYA PRADESH-PHASE II

ISSUED BY

REC Power Development and Consultancy Limited
(A wholly owned subsidiary of REC Limited)

Registered Office:
Core-4, SCOPE Complex,
7, Lodhi Road, New Delhi – 110 003
Email: anilkperala@recpdcl.in & tbcb@recpdcl.in

24.03.2025

REC Power Development and Consultancy Limited
(A wholly owned subsidiary of REC Limited)
Core-4, SCOPE Complex,
7, Lodhi Road, New Delhi – 110 003

Request for Proposal Document for Selection of Bidder as Transmission Service Provider through tariff based competitive bidding process to establish Inter-State Transmission system for "Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II" is issued by REC Power Development and Consultancy Limited.

This RFP document is issued to -

M/s. _____

_____

_____

_____

_____

Chief Executive Officer,
REC Power Development and Consultancy Limited
(A wholly owned subsidiary of REC Limited)

Email: …….

Place: ……

Date: ……

Signature: ……

REQUEST FOR PROPOSAL NOTIFICATION

REC Power Development and Consultancy Limited
(A wholly owned subsidiary of REC Limited)
Core-4, SCOPE Complex,
7, Lodhi Road, New Delhi – 110 003

1. Ministry of Power vide its Gazette Notification No. 1308 [F No. 15/03/2018- Trans-Part(4)] dated 19.03.2025 has notified REC Power Development and Consultancy Limited (RECPDCL) to be the Bid Process Coordinator (BPC) for the purpose of Selection of Bidder as Transmission Service Provider through tariff based competitive bidding process to establish Inter-State Transmission system for **"Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II"** through tariff based competitive bidding process.

2. REC Power Development and Consultancy Limited (hereinafter referred to as BPC) hereby invites all prospective Bidders for issue of Request for Proposal (RFP) for selection of Bidder as Transmission Service Provider (TSP) on the basis of international competitive bidding in accordance with the "Tariff Based Competitive Bidding Guidelines for Transmission Service" and "Guidelines for Encouraging Competition in Development of Transmission Projects" issued by Government of India, Ministry of Power under section – 63 of The Electricity Act, 2003 and as amended from time to time. The responsibility of the TSP would be to Selection of Bidder as Transmission Service Provider through tariff based competitive bidding process to establish Inter-State Transmission system for **"Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II"**(hereinafter referred to as 'Project') on build, own, operate & transfer basis and to provide transmission service:

Sl. No.	Scope of the Transmission Scheme	Scheduled COD in months from Effective Date
1.	Creation of New 220 kV Bus Section (3rd) with 220 kV Bus Sectionaliser and 400/220 kV, 3x500 MVA ICT augmentation (7th, 8th & 9th) at Pachora PS terminated on 220 kV Bus Section (3rd) • 500 MVA 400/220 kV ICT – 3 Nos. • 400 kV ICT bay – 3 Nos. (on Section-II) • 220 kV ICT bay – 3 Nos. (on Section-III) • 220 kV Bus Sectionaliser bays – 1 set • 220 kV BC & TBC – 1 Nos. each.	24 Months
2.	**2a**. 3 Nos. 220 kV line bays for RE interconnection on Bus Section (3rd) • 3 Nos. on Sec-III	
	2b. 1 Nos. 220 kV line bay for RE Interconnection of Purvah Green Power Pvt. Ltd. on Bus Section (3rd) • 1 No. on Sec-III	31.03.2028 (as per start date requested by applicant)
3.	Pachora PS – Rajgarh(PG) 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) along with associated line bays at both ends and 50 MVAr Switchable Line Reactors (Sw LR)	24 Months

Sl. No.	Scope of the Transmission Scheme	Scheduled COD in months from Effective Date
	on each ckt at both ends • 400 kV line bays: 4 Nos. (2 at Rajgarh(PG) & 2 at Pachora PS) • 420 kV, Switchable Line Reactors (Sw LRs): 4 Nos. (2 at Rajgarh(PG) & 2 at Pachora PS) • Switching equipment for 400 kV line reactor – 4 Nos. (2 at Rajgarh(PG) & 2 at Pachor PS)	
4.	Installation of 1x125 MVAR, 420 kV bus reactor at Pachora PS (400 kV Bus Section-II). • 125 MVAr, 420 kV Bus reactor – 1 Nos. • 400 kV Bus reactor bay: 1 Nos.	
5.	Creation of New 220 kV Bus Section-II at Neemuch PS with Augmentation of transformation capacity by 3x500 MVA, 400/220 kV ICTs (3rd, 4th & 5th) at Neemuch S/s along with associated bays. • 500 MVA 400/220 kV ICT – 3 Nos. • 400 kV ICT bay – 3 Nos. • 220 kV ICT bay – 3 Nos. (on Sec-II) • 220 kV Bus Sectionaliser bays – 1 set • 220 kV BC & TBC – 1 Nos. each	
6.	4 Nos. 220 kV Line bays at Neemuch PS for RE interconnection • 220 kV Bays – 4 Nos. on Sec-II	
7.	Neemuch PS – Pachora PS 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) along associated Line bays and 50 MVAr Switchable Line Reactor (Sw LR) on each ckt at both ends. • 400 kV Line bays: 4 Nos. (2 at Neemuch PS and 2 at Pachora PS) • 420 kV, Switchable Line Reactors (Sw LRs): 4 Nos. (2 at Neemuch PS and 2 at Pachora PS) • Switching equipment for 400 kV line reactor – 4 Nos. (2 at Neemuch PS and 2 at Pachora PS)	
8.	Establishment of 2x500 MVA, 400/220 kV S/s at Handiya alongwith 2x125 MVAr 420 kV Bus Reactors • 400/220 kV ICTs: 2 Nos. • 400 kV ICT Bays: 2 Nos. • 220 kV ICT Bays: 2 Nos. • 400 kV Line bays: 6 Nos. • 220 kV line bays for MPPTCL – 8 Nos. • 125 MVAr, 420 kV Bus reactor – 2 Nos. • 400 kV Bus reactor bay: 2 Nos. • 220 kV TBC bay – 1 Nos. • 220 kV BC bay – 1 Nos. **Future provision (space for):** • 400 kV line bays along with switchable line reactors– 6 Nos. (Sec-II)	

Sl. No.	Scope of the Transmission Scheme	Scheduled COD in months from Effective Date
	• 400/220 kV ICT along with bays – 4 Nos. (1 Nos. on Sec-I & 3 Nos. on Sec-II) • 400 kV Bus Reactor along with bays: 2 Nos. (Sec-II) • 220 kV line bays: 8 Nos. (on Sec-II) • 400 kV Sectionalization bay: 1 set • 220 kV Sectionalization bay: 1 set • 220 kV TBC & BC: 1 Nos.	
9.	Pachora PS – Handiya 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) along with associated bays at Pachora PS end and 50 MVAr Switchable Line Reactor (Sw LR) on each ckt at both ends • 400 kV bays: 2 Nos. (at Pachora PS) • 420 kV, Sw LRs: 4 Nos. (2 at Handiya and 2 at Pachora PS) • Switching equipment for 400 kV line reactor – 4 Nos. (2 at Handiya and 2 at Pachora PS)	
10.	LILO of Khandwa(PG) – Itarsi(PG) 400 kV D/c (Twin Moose) line at Handiya S/s • The Khandwa(PG) – Itarsi(PG) 400 kV D/c line is of Twin Moose configuration and LILO shall be of similar conductor configuration	
11.	Installation of 1x125 MVAR, 420 kV bus reactor (2nd) at Neemuch PS • 125 MVAr, 420 kV Bus reactor – 1 Nos. • 400 kV Bus reactor bay: 1 Nos.	

Note:

- *TSP (Existing) of Neemuch PS shall provide space for above scope of work (free of cost) at Neemuch PS.*
- *The TSP shall coordinate with M/s GR Infra Projects (TSP of Pachora PS) for available land within Pachora PS (free of cost) and shall coordinate with RUMSL for acquisition of additional land as required for developing the scope of work at Pachora PS .*
- *400kV lines (Pachora PS -Rajgarh, Neemuch - Pachora PS & Pachora PS – Handiya), 400/220 kV, 3x500 MVA ICTs & 1x125 MVAR, 420 kV bus reactor at Pachora PS under the subject scheme shall be terminated at bus section-II of 400kV level of Pachora PS being implemented under Rajgarh Phase-II:1000MW scheme by M/s G R Infra Projects Ltd.*
- *MPPTCL to implement below scope of works in matching time-frame of Handiya (ISTS) S/s (as confirmed by MPPTCL vide e-mail dated 23.07.2024):*

Sl. No.	*Name of work*	*Line Length (KM)*
1.	*LILO of both Circuit of Handia(MPPTCL)220 to Bisonikala (TBCB) 220kV lines at Handia 400 (New ISTS S/s).*	*2x10Km (Approx)*
2.	*LILO of Itarsi(MP) to Handia(MPPTCL) 220kV line at Handia 400 (New ISTS S/s).*	*10Km (Approx)*
3.	*LILO of Itarsi(MP) to Barwaha(MP) 220kV line at Handia 400 (New ISTS S/s).*	*10Km (Approx)*

- ***Implementation timeframe****: Implementation timeframe of element at Sl. No. 2b shall be 31.03.2028 in matching timeframe of RE generator (Purvah Green Power Pvt. Ltd.: 297 MW) and for remaining elements it shall be 24 months from date of SPV transfer*

3. The TSP shall ensure that design, construction and testing of all equipment, facilities, components and systems of the Project shall be in accordance with the provisions of the Transmission Service Agreement and applicable Rules/ Regulations, Orders and Guidelines issued by the Central Government.

4. **Transmission License**: The TSP shall obtain the Transmission License from the Commission.

5. **Bidding Process:** The Transmission Service Provider shall be selected through tariff based competitive bidding process for the Project based on meeting stipulated Qualification Requirements prescribed in Clause 2.1 of Section 2 of RFP and the lowest Quoted Transmission Charges discovered from Final Offers quoted during the e-reverse bidding. The selection of the TSP shall be subject to it obtaining Transmission License from the Commission, which, after expiry, may be further extended by such period as deemed appropriate by the Commission under powers vested with it to amend the conditions of the Transmission License.

   The entire bidding process shall be conducted on electronic platform created by MSTC Limited.

   The Bid shall be a single stage two envelope bid comprising the Technical Bid and the Financial Bid. The Bidders shall submit the Bid online through the electronic bidding platform. In addition to the online submission, the Bidder with lowest Final Offer will be required to submit original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure 6 (if applicable) and Annexure 14 before issuance of LoI. There shall be no physical submission of the Financial Bid.

   The Technical Bid shall be opened first and the Financial Bid of only the bidders who have qualified in the Technical Bid shall be opened. The Financial Bid will comprise of two rounds. In the first round the Initial Offer of the responsive bids would be opened and Quoted Transmission Charges of Initial Offer shall be ranked on the basis of ascending order. The Bidders, in the first fifty per cent of the ranking (with any fraction rounded off to higher integer) or four Bidders, whichever is higher, shall qualify for participating in the electronic reverse auction stage and submit their Final Offer.

6. The objective of the bidding process is to select a Successful Bidder pursuant to this RFP, who shall acquire one hundred percent (100%) of the equity shares of …… (Insert the name of SPV) along with all its related assets and liabilities as per the provisions of the Share Purchase Agreement, at the Acquisition Price to be intimated by the BPC, twenty (20) days prior to the Bid Deadline.

   The …… (Insert the name of SPV), of which one hundred percent (100%) equity shares will be acquired by the Selected Bidder, shall be responsible as the TSP, for ensuring that it undertakes ownership, financing, development, design, engineering, procurement, construction, commissioning, operation and maintenance of the Project, and to provide Transmission Service as per the terms of the RFP Project Documents.

   The TSP shall ensure transfer of all project assets along with substation land, right of way and clearances to CTU or its successors or an agency as decided by the Central Government

after 35 years from COD of project at zero cost and free from any encumbrance and liability. The transfer shall be completed within 90 days after 35 years from COD of project failing which CTU shall be entitled to take over the project assets Suo moto.

7. **Commencement of Transmission Service**: The Bidder shall have to commence Transmission Service in accordance with the provisions of the Transmission Service Agreement.

8. **Transmission Charges**: The Transmission Charges shall be payable by the Designated ISTS Customers in Indian Rupees through the CTU as per Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations as amended from time to time. Bidders shall quote the Transmission Charges as per the pre-specified structure, as mentioned in the RFP.

9. **Issue of RFP document:** The detailed terms and conditions for qualification and selection of the Transmission Service Provider for the Project and for submission of Bid are indicated in the RFP document. All those interested in purchasing the RFP document may respond in writing to Chief Executive Officer, anilkperala@recpdcl.in & tbcb@recpdcl.in at the address given in para 12 below with a non-refundable fee of Rs. 5,00,000/- (Rupees Five Lakh Only) or US$ 7,000 (US Dollars Seven Thousand Only) plus GST @18%, to be paid latest by 27.05.2025 via electronic transfer to the following Bank Account:

Bank Name, Address & Branch	ICICI Bank 9A, Phelps Building, Inner Circle, Connaught Place, New Delhi-110001
Bank Account Name	REC Power Development & Consultancy Limited
Bank Account No	000705041275
Bank IFSC Code No	ICIC0000007

Immediately after issuance of RFP document, the Bidder shall submit the Pre-Award Integrity Pact in the format as prescribed in Annexure B, which shall be applicable for and during the bidding process, duly signed on each page by any whole-time Director/ Authorized Signatory, duly witnessed by two persons, and shall be submitted by the Bidder in two (2) originals in a separate envelope, duly superscripted with Pre-Award Integrity Pact. The Bidder shall submit the Pre-Award Integrity Pact on non-judicial stamp paper of Rs. 100/- each duly purchased from the National Capital Territory of Delhi. In case the Bidder is in a consortium, the Pre-Award Integrity Pact shall be signed and submitted by each member of the Consortium separately.

The RFP document shall be issued to the Bidders on any working day from 24.03.2025 to 27.05.2025 between 1030 hours (IST) to 1600 hours (IST). The BPC, on written request and against payment of the above mentioned fee by any Bidder shall promptly dispatch the RFP document to such Bidder by registered mail/ air mail. BPC shall, under no circumstances, be held responsible for late delivery or loss of documents so mailed.

10. **Receipt and opening of Bid:** The Bid must be uploaded online through the electronic bidding platform on or before 1500 hours (IST) on 28.05.2025 Technical Bid will be opened by the Bid Opening Committee on the same day at 1530 hours (IST) in the office of Central Electricity Authority, in the online presence of Bidders' representatives who wish to attend. If the Bid Deadline is a public holiday at the place of submission of Bid, it shall be opened on the next working day at the same time and venue. In addition to the online submission, the Bidder with lowest Final Offer will be required to submit original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure 6 (if applicable) and Annexure 14 before

issuance of LoI. Bidders meeting the Qualification Requirements, subject to evaluation as specified in Clause **3.2** to **3.4** shall be declared as "Qualified Bidders" and eligible for opening of Initial Offer.

11. The RFP document is not transferable. BPC reserves the right to reject all Bids and/or annul the process of tariff based competitive bidding for selection of Bidder as TSP to execute the Project without assigning any reason. BPC shall not bear any liability, whatsoever, in this regard.

12. **Nodal person for enquiries and clarifications**

All correspondence and clarification in respect of RFP document shall be addressed to:

Chief Executive Officer,
REC Power Development and Consultancy Limited
(A wholly owned subsidiary of REC Limited)
REC Corporate Head Quarter,
D Block, Plot No. I – 4,
Sec – 29 Gurugram – 122 001
Email: anilkperala@recpdcl.in & tbcb@recpdcl.in

DISCLAIMER

1. This Request for Proposal (RFP) document is not an agreement or offer by the BPC to the prospective Bidders or to any other party. The purpose of this RFP document is to provide interested parties with information to assist the formulation of their Bid. The RFP document is based on material and information available in public domain.

2. This RFP, along with its Annexure, is not transferable and the information contained therein are to be used only by the person to whom it is issued. It may not be copied or distributed by the recipient to third parties (other than in confidence to the recipient's professional advisors). In the event that the recipient does not continue with its involvement in the Project in accordance with this RFP, this RFP must be kept confidential.

3. While this RFP has been prepared in good faith, neither the BPC nor its employees or advisors/consultants make any representation or warranty expressed or implied as to the accuracy, reliability or completeness of the information contained in this RFP. The Bidders shall satisfy themselves, on receipt of the RFP document, that the RFP document is complete in all respects. Intimation of any discrepancy shall be given to this office immediately. If no intimation is received from any Bidder within ten (10) days from the date of issue of this RFP document on or before the date & time mentioned in this RFP, it shall be considered that the issued document, complete in all respects, has been received by the Bidders.

   This bidding process is in accordance with the Bidding Guidelines issued by Ministry of Power, Government of India under Section 63 of the Electricity Act, 2003. Revisions or amendments in these Bidding Guidelines may cause the BPC to modify, amend or supplement this RFP document, including the RFP Project Documents to be in conformance with the Bidding Guidelines.

4. This RFP document includes statements, which reflect various assumptions arrived at by BPC in order to give a reflection of current status in the RFP. These assumptions should not be entirely relied upon by Bidders in making their own assessments. This RFP document does not purport to contain all the information each Bidder may require and may not be appropriate for all persons. It is not possible for BPC to consider the investment objectives, financial situation and particular needs of each party who reads or uses this RFP document. Certain Bidders may have a better knowledge of the Project than the others. Each Bidder should conduct its own investigations and analysis and should check the accuracy, reliability and completeness of the information in this RFP document and obtain independent advice from appropriate sources.

5. Neither BPC nor their employees or consultants make any representation or warranty as to the accuracy, reliability or completeness of the information in this RFP document.

6. Neither BPC, its employees nor its consultants will have any liability to any Bidder or any other person under the law of contract, tort, the principles of restitution or unjust enrichment or otherwise for any loss, expense or damage which may arise from or be incurred or suffered in connection with anything contained in this RFP document, any matter deemed to form part of this RFP document, the award of the Project, the information supplied by or on behalf of BPC or its employees, any consultants or otherwise arising in any way from the qualification process for the said Project.

7. By participating in the bidding process, each of the Bidder shall have acknowledged and accepted that it has not been induced to enter into such agreement by any representation or warranty, expressed or implied, or relied upon any such representation or warranty by or

on behalf of BPC or any person working in the bidding process.

8. BPC may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement this RFP document. Such updations, amendments or supplements, if any, will however be circulated to the Bidders not later than 15 days prior to the last date for submission of Bid.

9. Each Bidder unconditionally agrees, understands and accepts that the BPC reserves the rights to accept or reject any or all Bids without giving any reason. Neither the BPC nor its advisers shall entertain any claim of any nature, whatsoever, including without limitations, any claim seeking expenses in relation to the preparation of Bids.

10. This RFP may be withdrawn or cancelled by the BPC at any time without assigning any reasons thereof. BPC further reserves the right, at its complete discretion to reject any or all of the Bids without assigning any reasons whatsoever.

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DEFINITIONS

Any capitalized term, used but not defined in this RFP, shall have the meaning ascribed to such term in the RFP Project Documents, or the Bidding Guidelines, in that order. In absence of availability of definitions in the foregoing references, the capitalized terms shall be interpreted in accordance with the Electricity Act 2003, Grid Code or any other relevant electricity law, rule or regulation prevalent in India, as amended or re-enacted from time to time, in that order.

The following terms are defined for use in this RFP:

"Acquisition Price" shall have the same meaning as defined in the Share Purchase Agreement;

"Affiliate" shall mean a company that either directly or indirectly

i. controls or
ii. is controlled by or
iii. is under common control with

a Bidding Company (in the case of a single company) or a Member (in the case of a Consortium) and "**control**" means ownership by one entity of at least twenty six percent (26%) of the voting rights of the entity. As an illustration a chart is annexed hereto as Annexure – 12;

"Bid" shall mean Technical Bid and Financial Bid (Initial Offer and Final Offer) submitted by the Bidder, in response to this RFP, in accordance with the terms and conditions thereof;

"Bidder" shall mean either a single company (including its permitted successors and legal assigns) or a Consortium of companies (including its permitted successors and legal assigns) submitting a Bid in response to this RFP. Any reference to the Bidder includes Bidding Company, Bidding Consortium/ Consortium, Member in a Bidding Consortium and Lead Member of the Bidding Consortium jointly and severally, as the context may require;

"Bidding Company" shall refer to such single company (including its permitted successors and legal assigns) that has submitted a Bid for the Project;

"Bidding Consortium/ Consortium" shall refer to a group of companies (including their permitted successors and legal assigns) that has collectively submitted a Bid for the Project;

"Bidding Guidelines" shall mean the "Tariff Based Competitive-Bidding Guidelines for Transmission Service" and "Guidelines for Encouraging Competition in Development of Transmission Projects" issued by Government of India, Ministry of Power under Section – 63 of Electricity Act as amended from time to time;

"Bid Bond" shall mean the unconditional and irrevocable bank guarantee for Rupees Thirty-Three Crore and Seventy Six Lakh Only (Rs. 33.76 Crore), to be submitted along with the Technical Bid by the Bidder under Clause 2.11 of this RFP, as per the format prescribed in Annexure 14**;**

"Bid Deadline" shall mean the last date and time for submission of online Bid in response to this RFP, specified in Clause 2.7.1;

"Bid Process Coordinator or BPC" shall mean a person or its authorized representative as notified by the Government of India, responsible for carrying out the process for selection of

Bidder who will acquire Transmission Service Provider;

~~**"Bid Security Declaration"** shall mean the declaration to be submitted along with the Technical Bid by the Bidder in lieu of the Bid Bond, as per the format prescribed in Annexure 14A;~~

"CEA" shall mean the Central Electricity Authority constituted under Section - 70 of the Electricity Act;

"Commission" or "CERC" shall mean the Central Electricity Regulatory Commission of India constituted under Section-76 of The Electricity Act, 2003 and any successors and assigns;

"Conflict of Interest" A Bidder shall be considered to be in a Conflict of Interest with one or more Bidders in the same bidding process if they have a relationship with each other, directly or through a common company, that puts them in a position to have access to information about or influence the Bid of another Bidder.

Provided that if two or more bidders in the bidding process have formed a Joint Venture Company or Consortium to execute another project, the Bidders will not be considered to have Conflict of Interest;

"Commercial Operation Date (COD)" shall mean the date as per Article 6.2 of the Transmission Service Agreement;

"Consents, Clearances, Permits" shall mean all authorizations, licenses, approvals, registrations, permits, waivers, privileges, acknowledgements, agreements, or concessions required to be obtained from or provided by any concerned authority for the development, execution and performance of Project including without any limitation on the construction, ownership, operation and maintenance of the transmission lines and/or sub-stations;

"Contract Performance Guarantee" shall have the meaning as per Clause 2.12 of this RFP;

"Contract Year" shall mean the period beginning on the Scheduled COD, and ending on the immediately succeeding March 31 and thereafter each period of 12 months beginning on April 1 and ending on March 31 provided that:

(i) the last Contract Year shall end on the last day of the term of the Transmission Service Agreement;

"CTU/Central Transmission Utility" shall have same meaning as defined in the Electricity Act, 2003;

"Designated ISTS Customers" or "DICs" shall have the meaning as ascribed in Regulation 2(l) of Central Electricity Regulatory Commission (Sharing of inter-State Transmission Charges and Losses) Regulation 2020 and as amended or modified from time to time;

"Effective Date" shall have the meaning as ascribed thereto in the Transmission Service Agreement;

"Element" shall mean-each Transmission Line or each circuit of the Transmission Lines (where there are more than one circuit) or each bay of the Sub-station or switching station or HVDC terminal or inverter station of the Project, including ICTs, Reactors, SVC, FSC, etc. forming part of the ISTS which will be owned, operated and maintained by the concerned ISTS Licensee, and

which may have a separate scheduled COD as per Schedule 2 of the Transmission Service Agreement and may have a separate percentage for recovery of Transmission Charges on achieving COD as per Schedule 5 of the Transmission Service Agreement;

"Final Offer" shall mean the Quoted Transmission Charges, required to be submitted as part of the Financial Bid on the electronic bidding platform during the e-reverse bidding stage. In case, no Final Offer is received during the e-reverse bidding stage then the lowest "Initial Offer" shall be deemed to be the Final Offer**;**

"Financial Bid" shall mean the Initial Offer and Final Offer, containing the Bidder's Quoted Transmission Charges, as per the format at Annexure – 21 of this RFP**;**

"Financially Evaluated Entity" shall mean the company which has been evaluated for the satisfaction of the financial requirement set forth in Clause **2.1.3** hereof;

"Government" shall mean the Central Government;

"Grid Code" / "IEGC" or **"State Grid Code"** shall mean the Grid Code specified by the Central Commission under clause (h) of sub-section (1) of Section 79 of the Electricity Act and/or the State Grid Code as specified by the concerned State Commission referred under clause (h) of sub-section (1) of Section 86 of the Electricity Act as applicable;

"Infrastructure sector" shall mean such sectors notified by Department of Economic Affairs in its Gazette Notification no. 13/1/2017-INF dated 14th November, 2017 and as amended from time to time;

"Initial Offer" shall mean the Quoted Transmission Charges, required to be submitted as part of the Financial Bid on the electronic bidding platform along with the Technical Bid**;**

"Inter State Generating Station" or "ISGS" shall mean a Central / other generating station in which two or more states have shares and whose scheduling is to be coordinated by the Regional Load Despatch Centre;

"Inter-State Transmission System" shall have same meaning as defined in the Electricity Act, 2003;

"Lead Member of the Bidding Consortium" or "Lead Member" shall mean a company who commits at least twenty six percent (26%) equity stake in the Project, meets the technical requirement as per Clause 2.1.2 and so designated by other Member(s) in Bidding Consortium;

"Letter of Intent" or "LoI" shall mean the letter to be issued by the BPC to the Bidder, who has been identified as the selected bidder, for award of the Project to such Bidder;

"Member in a Bidding Consortium/Member" shall mean each company in the Bidding Consortium;

"MOP" shall mean the Ministry of Power, Government of India;

"MOEF" shall mean the Ministry of the Environment and Forests, Government of India;

"National Committee on Transmission" shall mean the committee constituted by the Ministry of Power, Government of India in terms of the "Guidelines for Encouraging Competition in Development of Transmission Projects", as notified from time to time;

"Nodal Agency" shall mean CTU, which shall execute and implement the Transmission Service Agreement (TSA);

Provided that while taking major decisions, CTU shall consult CEA on technical matters and any other matter it feels necessary.

"Parent Company" shall mean an entity that holds at least twenty six percent (26%) of the paid - up equity capital directly or indirectly in the Bidding Company or in the Member in a Bidding Consortium, as the case may be;

"Qualification Requirements" shall mean the qualification requirements as set forth in Section-2, Clause 2.1 of this RFP;

"Quoted Transmission Charges" shall mean the quoted single annual Transmission Charges submitted online through the electronic bidding platform by the Bidder as part of its Financial Bid as per the format in Annexure – 21 of this RFP;

"RFP" shall mean Request for Proposal document along with all schedules, formats, annexure and RFP Project Documents attached hereto, issued by BPC for tariff based competitive bidding process for selection of bidder who will acquire the TSP through e-reverse bidding to execute the Project, and shall include any modifications, amendments or alterations or clarifications thereto;

"RFP Project Documents" shall mean the following documents to be entered into in respect of the Project, by the parties to the respective agreements:

a. Transmission Service Agreement (TSA),
b. Share Purchase Agreement,
c. Agreement(s) required, if any, under Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations as amended from time to time and
d. Any other agreement, as may be required;

"Scheduled COD" shall have the meaning as ascribed hereto in Clause 2.6 of this RFP;

"Statutory Auditor" shall mean the auditor appointed under the provisions of the Companies Act, 1956 / Companies Act, 2013 (as the case may be) or under the provisions of any other applicable governing law;

"Share Purchase Agreement" shall mean the agreement amongst REC Power Development and Consultancy Limited, …… (Insert the name of SPV) and the Successful Bidder for the purchase of one hundred (100%) per cent of the shareholding of the …… (Insert the name of SPV) for the Acquisition Price, by the Successful Bidder on the terms and conditions as contained therein;

"Successful Bidder" or **"Selected Bidder"** shall mean the Bidder selected pursuant to this RFP to acquire one hundred percent (100%) equity shares of …… (Insert the name of SPV), along with all its related assets and liabilities, which will be responsible as the TSP to establish the Project on build, own, operate and transfer basis as per the terms of the Transmission Service Agreement and other RFP Project Documents;

"Survey Report" shall mean the report containing initial information regarding the Project and other details provided as per the provisions of Clause 1.6.2.1.1 of this RFP;

"Technical Bid" shall mean the bid submitted online through the electronic bidding platform, containing the documents as listed out in Clause 2.5.2 of this RFP;

"Technically Evaluated Entity" shall mean the company which has been evaluated for the satisfaction of the technical requirement set forth in Clause 2.1.2 hereof;

"Transmission Charges" shall mean the Final Offer quoted by Selected Bidder and adopted by the Commission, and as computed in terms of the provisions of Schedule 4 of the TSA, payable to the ISTS Licensee by the Designated ISTS Customers, and collected / disbursed by the CTU, as per Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations as amended from time to time;

"Transmission License" shall mean the license granted by the Commission in terms of the relevant regulations for grant of such license issued under the Electricity Act, 2003;

"Transmission Service Agreement" or **"TSA"** shall mean the agreement entered into between Nodal Agency and the TSP, pursuant to which the TSP shall build, own, operate and transfer the Project and make available the assets of the Project on a commercial basis;

"Transmission Service Provider" or "TSP" shall mean …… (Insert the name of SPV) which has executed the Transmission Service Agreement and which shall be acquired by the Selected Bidder;

"Ultimate Parent Company" shall mean an entity which owns at least twenty six percent (26%) equity in the Bidding Company or Member of a Consortium, (as the case may be) and in the Technically Evaluated Entity and/or Financially Evaluated Entity (as the case may be) and such Bidding Company or Member of a Consortium, (as the case may be) and the Technically Evaluated Entity and/or Financially Evaluated Entity (as the case may be) shall be under the direct control or indirectly under the common control of such entity.

SECTION – 1

INTRODUCTION

SECTION 1

1. INTRODUCTION

1.1 Ministry of Power vide its Gazette Notification No. 1308 [F No. 15/03/2018- Trans-Part(4)] dated 19.03.2025 has notified REC Power Development and Consultancy Limited (RECPDCL) to be the Bid Process Coordinator (BPC) for the purpose of Selection of Bidder as Transmission Service Provider through tariff based competitive bidding process to establish Inter-State Transmission system for **"Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II"** through tariff based competitive bidding process.

The BPC hereby invites Bids from all prospective Bidders in accordance with this Request for Proposal (RFP) to select prospective Transmission Service Provider (TSP) in accordance with the "Tariff Based Competitive-Bidding Guidelines for Transmission Service" and "Guidelines for Encouraging Competition in Development of Transmission Projects" issued by Government of India, Ministry of Power under Section – 63 of the Electricity Act. The BPC shall select the Bidder having the prescribed technical and financial capability to become TSP and be responsible for establishing the Project in the state(s) of Madhya Pradesh. The TSP will make the Project available against payment of Transmission Charges, as adopted by the Commission, payable to the TSP, as per Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations as amended from time to time.

1.2 The TSP will be required for Selection of Bidder as Transmission Service Provider through tariff based competitive bidding process to establish Inter-State Transmission system for **"Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II"** (hereinafter referred to as 'Project') on build, own, operate and transfer basis, and to provide transmission service.

Sl. No.	Scope of the Transmission Scheme	Scheduled COD in months from Effective Date
1.	Creation of New 220 kV Bus Section (3rd) with 220 kV Bus Sectionaliser and 400/220 kV, 3x500 MVA ICT augmentation (7th, 8th & 9th) at Pachora PS terminated on 220 kV Bus Section (3rd) • 500 MVA 400/220 kV ICT – 3 Nos. • 400 kV ICT bay – 3 Nos. (on Section-II) • 220 kV ICT bay – 3 Nos. (on Section-III) • 220 kV Bus Sectionaliser bays – 1 set • 220 kV BC & TBC – 1 Nos. each.	24 Months
2.	**2a**. 3 Nos. 220 kV line bays for RE interconnection on Bus Section (3rd) • 3 Nos. on Sec-III	
	2b. 1 Nos. 220 kV line bay for RE Interconnection of Purvah	31.03.2028 (as

Sl. No.	Scope of the Transmission Scheme	Scheduled COD in months from Effective Date
	Green Power Pvt. Ltd. on Bus Section (3rd) • 1 No. on Sec-III	per start date requested by applicant)
3.	Pachora PS – Rajgarh(PG) 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) along with associated line bays at both ends and 50 MVAr Switchable Line Reactors (Sw LR) on each ckt at both ends • 400 kV line bays: 4 Nos. (2 at Rajgarh(PG) & 2 at Pachora PS) • 420 kV, Switchable Line Reactors (Sw LRs): 4 Nos. (2 at Rajgarh(PG) & 2 at Pachora PS) • Switching equipment for 400 kV line reactor – 4 Nos. (2 at Rajgarh(PG) & 2 at Pachor PS)	24 Months
4.	Installation of 1x125 MVAR, 420 kV bus reactor at Pachora PS (400 kV Bus Section-II). • 125 MVAr, 420 kV Bus reactor – 1 Nos. • 400 kV Bus reactor bay: 1 Nos.	
5.	Creation of New 220 kV Bus Section-II at Neemuch PS with Augmentation of transformation capacity by 3x500 MVA, 400/220 kV ICTs (3rd, 4th & 5th) at Neemuch S/s along with associated bays. • 500 MVA 400/220 kV ICT – 3 Nos. • 400 kV ICT bay – 3 Nos. • 220 kV ICT bay – 3 Nos. (on Sec-II) • 220 kV Bus Sectionaliser bays – 1 set • 220 kV BC & TBC – 1 Nos. each	
6.	4 Nos. 220 kV Line bays at Neemuch PS for RE interconnection • 220 kV Bays – 4 Nos. on Sec-II	
7.	Neemuch PS – Pachora PS 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) along associated Line bays and 50 MVAr Switchable Line Reactor (Sw LR) on each ckt at both ends. • 400 kV Line bays: 4 Nos. (2 at Neemuch PS and 2 at Pachora PS) • 420 kV, Switchable Line Reactors (Sw LRs): 4 Nos. (2 at Neemuch PS and 2 at Pachora PS) • Switching equipment for 400 kV line reactor – 4 Nos. (2 at Neemuch PS and 2 at Pachora PS)	
8.	Establishment of 2x500 MVA, 400/220 kV S/s at Handiya alongwith 2x125 MVAr 420 kV Bus Reactors • 400/220 kV ICTs: 2 Nos. • 400 kV ICT Bays: 2 Nos.	

Sl. No.	Scope of the Transmission Scheme	Scheduled COD in months from Effective Date
	• 220 kV ICT Bays: 2 Nos. • 400 kV Line bays: 6 Nos. • 220 kV line bays for MPPTCL – 8 Nos. • 125 MVAr, 420 kV Bus reactor – 2 Nos. • 400 kV Bus reactor bay: 2 Nos. • 220 kV TBC bay – 1 Nos. • 220 kV BC bay – 1 Nos. **Future provision (space for):** • 400 kV line bays along with switchable line reactors– 6 Nos. (Sec-II) • 400/220 kV ICT along with bays – 4 Nos. (1 Nos. on Sec-I & 3 Nos. on Sec-II) • 400 kV Bus Reactor along with bays: 2 Nos. (Sec-II) • 220 kV line bays: 8 Nos. (on Sec-II) • 400 kV Sectionalization bay: 1 set • 220 kV Sectionalization bay: 1 set • 220 kV TBC & BC: 1 Nos.	
9.	Pachora PS – Handiya 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) along with associated bays at Pachora PS end and 50 MVAr Switchable Line Reactor (Sw LR) on each ckt at both ends • 400 kV bays: 2 Nos. (at Pachora PS) • 420 kV, Sw LRs: 4 Nos. (2 at Handiya and 2 at Pachora PS) • Switching equipment for 400 kV line reactor – 4 Nos. (2 at Handiya and 2 at Pachora PS)	
10.	LILO of Khandwa(PG) – Itarsi(PG) 400 kV D/c (Twin Moose) line at Handiya S/s • The Khandwa(PG) – Itarsi(PG) 400 kV D/c line is of Twin Moose configuration and LILO shall be of similar conductor configuration	
11.	Installation of 1x125 MVAR, 420 kV bus reactor (2nd) at Neemuch PS • 125 MVAr, 420 kV Bus reactor – 1 Nos. • 400 kV Bus reactor bay: 1 Nos.	

Note:

- *TSP (Existing) of Neemuch PS shall provide space for above scope of work (free of cost) at Neemuch PS.*
- *The TSP shall coordinate with M/s GR Infra Projects (TSP of Pachora PS) for available land within Pachora PS (free of cost) and shall coordinate with RUMSL for acquisition of additional land as required for developing the scope of work at Pachora PS .*

- *400kV lines (Pachora PS -Rajgarh, Neemuch - Pachora PS & Pachora PS – Handiya), 400/220 kV, 3x500 MVA ICTs & 1x125 MVAR, 420 kV bus reactor at Pachora PS under the subject scheme shall be terminated at bus section-II of 400kV level of Pachora PS being implemented under Rajgarh Phase-II:1000MW scheme by M/s G R Infra Projects Ltd.*
- *MPPTCL to implement below scope of works in matching time-frame of Handiya (ISTS) S/s (as confirmed by MPPTCL vide e-mail dated 23.07.2024):*

Sl. No.	***Name of work***	***Line Length (KM)***
4.	*LILO of both Circuit of Handia(MPPTCL)220 Bisonikala (TBCB) 220kV lines at Handia 4 (New ISTS S/s).*	*2x10Km (Approx)*
5.	*LILO of Itarsi(MP) to Handia(MPPTCL) 220 line at Handia 400 (New ISTS S/s).*	*10Km (Approx)*
6.	*LILO of Itarsi(MP) to Barwaha(MP) 220kV li at Handia 400 (New ISTS S/s).*	*10Km (Approx)*

1.3 Project Description

a) Rajgarh (1500 MW) Phase III

The Government of India has set a target for establishing 500 GW non fossil generation capacity by 2030, out of which 2.5 GW REZ potential has been identified at Rajgarh (MP).

1. Phase-I of 1.5 GW involves establishment of Pachora PS with 3x500 MVA 400/220 kV ICTs and Pachora PS – Bhopal 400 kV D/c line which has been implemented by M/s G R Infraprojects Ltd. (Commissioned)
2. Phase-II (1 GW) involves ICT augmentation (4th, 5th & 6th) Pachora PS along with Pachora PS – Ujjan (MPPTCL) 400 kV D/c line which is presently under implementation by M/s G R Infraprojects Ltd. with SCOD of 14.02.2026.

In view of applications received for cumulative capacity of 4000 MW at Pachora PS, it was found prudent to expand the substation to its full capacity so as to accommodate applications being received beyond 2.5 GW at Pachora PS. The subject scheme shall enable evacuation of upto 4000 MW Power from RE Projects in Rajgarh (i.e. 1500 MW beyond 2500 MW) SEZ in Madhya Pradesh.

The subject transmission scheme includes Creation of New 220 kV Bus Section (3rd) with 220 kV Bus Sectionaliser and Augmentation of transformation capacity at Pachora PS by 3x500 MVA (7th, 8th & 9th) terminated on 220 kV Bus Section (3rd), 4 Nos. of 220 kV line bays at 220 kV Bus Section (3rd) of Pachora PS for termination of dedicated lines from various REGS projects, Pachora PS – Rajgarh(PG) 400 kV D/c line with 50 MVAr Switchable line reactors (Sw LR) on each ckt at both ends and 125 MVAR, 420 kV bus reactor at Pachora PS (400 kV Bus Section-II). The transmission scheme would facilitate integration of 1.5 GW power beyond 2.5 GW from various REGS projects in Rajgarh REZ (i.e., up to 4 GW).

b) **Neemuch (1000 MW) Phase II**

The Government of India has set a target for establishing 500 GW non fossil generation capacity by 2030, out of which 1 GW SEZ has been identified at Neemuch for which 2x500 MVA, 400/220 kV Neemuch PS is already commissioned by POWERGRID.

In view of applications received for cumulative capacity of 1970 MW at Neemuch PS, it was found prudent to expand the substations to its full capacity so as to accommodate applications being received beyond 1 GW at Neemuch PS. Out of this, 1020 MW applications are received for Neemuch Ph-II system. The present scheme shall enable evacuation of upto 2000 MW Power from RE Projects in Neemuch (i.e. 1000 MW beyond 1000 MW) SEZ in Madhya Pradesh.

Neemuch PS is an existing S/s of M/s Neemuch Transmission Ltd. (POWERGRID) which is connected with Chittorgarh (PG) and Mandsaur(MP) S/s at 400 kV level (implemented under Neemuch 1 GW scheme). The subject transmission scheme broadly includes augmentation of transformation capacity at Neemuch PS, creation of 400/220 kV Handiya substation, Neemuch PS – Pachora PS 400 kV D/c line, Pachora PS – Handiya 400 kV D/c line, LILO of Khandwa (PG) – Itarsi(PG) 400 kV D/c (Twin Moose) line at Handiya S/s as well as Installation of 1x125 MVAr, 420 kV Bus Reactor (2nd) at Neemuch PS.

The above two transmission schemes were deliberated and recommended to be implemented under TBCB route in the 24th NCT meeting held on 23.10.2024. Both the schemes were notified by MoP vide Gazette notification dated 12.12.2024. However, due to additional space requirement at Rajgarh (Pachora) PS for implementation of subject two schemes, M/s G.R. Infrastructure Limited (GRIL) informed that additional land (approx. 8.7 acres) adjacent to Pachora PS is necessary for the implementation of the above two schemes and is under possession of RUMSL (Rewa Ultra Mega Solar L.td.). Further, RUMSL has conveyed that land can be allotted in the vicinity of present Pachora ISTS S/s as per the terms of RUMSL.

Accordingly, the subject two schemes were deliberated in 26th NCT meeting held on 06.01.2025, wherein, it was recommended for clubbing of both the transmission schemes “Transmission system for Evacuation of Power from RE Projects (1500 MW) in Rajgarh SEZ in Madhya Pradesh-Phase III” and “Transmission system for Evacuation of Power from RE Projects (1000 MW) in Neemuch SEZ in Madhya Pradesh- Phase II” notified by MoP vide Gazette notification dated 12.12.2024 with provision for acquiring land for additional scope.

Subsequently, Ministry of Power vide Gazette notification dated 19.03.2025 has appointed RECPDCL as the BPC for implementation of the subject transmission scheme through TBCB route with an implementation time frame as per detailed scope.

1.4 Transmission Grid Map

Transmission Grid Map indicating the location of the Project is enclosed as Annexure 18 of this RFP for information and reference of the Bidders**.**

1.5 The objective of the bidding process is to select a Successful Bidder pursuant to this RFP, who shall acquire one hundred percent (100%) of the equity shares of …… (Insert the name of SPV) along with all its related assets and liabilities as per the provisions of the Share Purchase Agreement, at the Acquisition Price to be intimated by the BPC, twenty (20) days prior to the Bid Deadline.

The …… (Insert the name of SPV), of which one hundred percent (100%) equity shares will be acquired by the Selected Bidder, shall be responsible as the TSP, for ensuring that it undertakes ownership, financing, development, design, engineering, procurement, construction, commissioning, operation and maintenance of the Project, and to provide Transmission Service as per the terms of the RFP Project Documents.

The TSP shall ensure transfer of all project assets along with substation land, right of way and clearances to CTU or its successors or an agency as decided by the Central Government after 35 years from COD of project at zero cost and free from any encumbrance and liability. The transfer shall be completed within 90 days after 35 years from COD of project failing which CTU shall be entitled to take over the project assets Suo moto.

1.6 **Brief Scope of Work**

1.6.1 **Scope of Transmission Service Provider**

The TSP's scope of work for the Project shall comprise, but not necessarily be limited to the following:

1.6.1.1 Establishment, operation and maintenance of the Project on build, own, operate and transfer basis and completion of all the activities for the Project, including survey, detailed project report formulation, arranging finance, project management, necessary Consents, Clearances and Permits (way leave, environment & forest, civil aviation, railway/ road/river/canal/power crossing/PTCC, etc.), land compensation, design, engineering, equipment, material, construction, erection, testing & commissioning. Further, the actual location of Greenfield substations (Switching Stations or HVDC Terminal or Inverter Stations) for a generation pooling substation and for load serving substations in the scope of TSP shall not be beyond 3 Km radius of the location proposed by the BPC in the survey report. However, actual location of any Greenfield Intermediate Substations in the scope of TSP shall not be beyond 10 Km radius of the location proposed by the BPC in the Survey Report.

1.6.1.2 The TSP shall ensure that design, construction and testing of all equipment, facilities, components and systems of the Project shall be in accordance with Transmission Service Agreement and applicable Rules/ Regulations, Orders and Guidelines issued by the Central Government.

1.6.1.3 The TSP shall ensure timely completion of entire scope of Project in all respects and its operation and maintenance, as shall be specified in the RFP documents.

1.6.1.4 The TSP shall seek Transmission License from the Commission, as per the provisions

of the Electricity Act and regulations made thereunder.

1.6.1.5 The TSP shall seek approval under Section 164 of Electricity Act, from CEA after acquisition of …… (Insert the name of SPV). The approval shall be granted by CEA generally within 30 days but in no case later than 45 days from the date of receipt of application (complete in all aspects).

1.6.2 **Scope of Bid Process Coordinator (BPC)**

BPC's scope of work is briefly outlined hereunder:

1.6.2.1 The BPC has initiated development of the Project and shall be responsible for the tasks in this regard as specified hereunder:

1. Provide to the Bidders a Survey Report for the Project at least forty five (45) days prior to the Bid Deadline. The Survey Report shall include the suggested route with approximate route length, type of terrain likely to be encountered and its likely implication in terms of Right of Way (ROW), statutory clearances, location of substations or converter stations and land area to be acquired for the substation or converter station.

2. To obtain approval for laying of overhead transmission lines under Section 68 of Electricity Act, from the Government at least twenty (20) days prior to Bid Deadline.

3. To initiate acquisition of land for location specific substations, switching stations or HVDC terminal or inverter stations, if required.

4. To initiate process of seeking forest clearance, if required

5. The BPC shall intimate to the Bidders, the Acquisition Price payable by the Selected Bidder to the REC Power Development and Consultancy Limited for the acquisition of one hundred percent (100%) of the equity shareholding of …… (Insert the name of SPV), along with all its related assets and liabilities at least twenty (20) days prior to the Bid Deadline.

6. The BPC shall ensure issuance of all finalized RFP Project Documents, at least fifteen (15) days prior to the Bid Deadline.

Provided that for any delay in meeting the above obligations of the BPC within the specified time period above, the Bid Deadline as per Clause 2.7.1 shall be extended on a day for day basis.

1.6.2.2 The details and documents as may be obtained by the BPC/ project specific SPV in relation to the Project shall be handed over to the TSP on an as-is-where-is basis, so that it may take further actions to obtain Consents, Clearances and Permits.

1.7 All costs (including direct and indirect) incurred by the BPC/ project specific SPV in connection with the activities concerning the Project shall be recovered from the TSP, which shall be included in the Acquisition Price.

1.8 The Project is required to be completed progressively in accordance with the schedule prescribed in this RFP.

1.9 A company under the Companies Act, 2013 by the name …… (Insert the name of SPV) has been incorporated to initiate the activities for execution of the Project. The said company shall be acquired by the successful Bidder as per terms and conditions as may be prescribed in RFP.

1.10 The Ministry of Power and the appropriate state government(s) shall provide their support to the TSP, on best endeavor basis, in enabling the TSP to develop the Project.

1.11 All Bidders are required to submit their Bid in accordance with the instructions set forth in this RFP.

1.12 Once the Successful Bidder is selected, the details and documents as may be obtained by the BPC/ project specific SPV in relation to the Project, shall be handed over to the Successful Bidder on as is where basis, so that it may take further actions to obtain all necessary Consents, Clearances and Permits and the TSP shall not be entitled for any extensions in the Scheduled COD of the Project except as provided for in the TSA.

1.13 The assets of the Project shall be made available on a commercial basis as per the terms and conditions of the Transmission Service Agreement and Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations as amended from time to time.

SECTION - 2

INFORMATION AND INSTRUCTIONS FOR BIDDERS

SECTION – 2

2. INFORMATION AND INSTRUCTIONS FOR BIDDERS

2.1 Qualification Requirements

2.1.1 The Bidder should be a company duly incorporated under the relevant laws (Bidding Company) or a Consortium of companies (Bidding Consortium) with one of the companies acting as the Lead Member of the Bidding Consortium. The Bidder shall be selected on meeting the Qualification Requirements specified in Section 2 of this RFP, as demonstrated by the Bidder's Technical Bid and the lowest Quoted Transmission Charges discovered from Final Offers quoted during the e-reverse bidding. A Bidding Consortium can participate in the bidding process for the Project if any Member of the Consortium has purchased the RFP document for such Project. Bidder who agree and undertake to procure the products associated with the Transmission System as per provisions of Public Procurement (Preference to Make in India) orders issued by Ministry of Power vide orders No. 11/5/2018 - Coord. dated 28.07.2020 as amended vide order No. A1/2021-FSC- Part(5) dated 16.11.2021 and No.: P45021/2/2017-PP (BE-II)-Part-4 Vol.II dated 19.07.2024 issued by Ministry of Power for transmission sector, as may be further amended from time to time, read with Department for Promotion of Industry and Internal Trade (DPIIT) orders in this regard, shall be eligible hereunder. Further, it is clarified that Procuring Entity as defined in orders shall deemed to have included Selected Bidder and/ or TSP.

Besides, Department of Expenditure, Ministry of Finance in suppression of OMs issued vide Order (Public Procurement No 1) bearing File No. 6/18/2019-PPD dated 23.07.2020, Order (Public Procurement No 2) bearing File No. 6/18/2019-PPD dated 23.07.2020 and Order (Public Procurement No. 3) bearing File No. 6/18/2019-PPD, dated 24.07.2020, Office Memorandum (OM) No. F.18/37/2020-PPD dated 08.02.2021, OM No. F.12/1/2021- PPD(Pt.) dated 02.03.2021, OM No. F.7/10/2021-PPD dated 08.06.2021 and Order (Public Procurement No 4) bearing File No. F.7/10/2021-PPD dated 23.02.2023 as amended from time to time, have issued directions regarding public procurement from a bidder of a country, which shares land border with India are also applicable.

2.1.2 **Technical requirement to be met by the Bidding Company or Lead Member of Bidding Consortium**

The Bidder must fulfill any one of the following technical requirements:

(i) Experience of development of projects in the Infrastructure Sector in the last five (5) years with aggregate capital expenditure of not less than Rs**. 1,688.00 Crore** or equivalent USD (calculated as per provisions in Clause 3.4.1**).** However, the capital expenditure of each project shall not be less than **Rs. 337.60 Crore** or equivalent USD (calculated as per provisions in Clause 3.4.1).

For this purpose, capital expenditure incurred on projects that have been commissioned/completed at least seven (7) days prior to Bid Deadline shall be considered. The capital expenditure discussed above shall be as capitalized and reflected in the audited books of accounts of the Technically Evaluated Entity. In case a clearly identifiable part of a project has been put into commercial operation, the capital expenditure on such part of the project shall be considered. The Technically Evaluated Entity must have either executed such projects itself

or must have held directly or indirectly at least twenty six percent (26%) of the shareholding in the company that has executed the project(s) from the date of financial closure of the project(s) till the time of commissioning/completion of such project(s).

OR

(ii) Experience in construction of project in infrastructure sector: The Technically Evaluated Entity should have received aggregate payments not less than Rs. **1,688.00** Crore or equivalent USD (calculated as per provisions in Clause 3.4.1) from its client(s) for construction works fully completed during the last 5(five) financial years. However, the payment received from each project shall not be less than Rs. **337.60** Crore or equivalent USD (calculated as per provisions in Clause 3.4.1).

For this purpose, payments received on projects that have been commissioned/ completed at least seven (7) days prior to Bid Deadline shall be considered. Further only the payments (gross) actually received, during such 5 (five) financial years shall qualify for purposes of computing the technical capacity. For the avoidance of doubt, construction works shall not include cost of land, supply of goods or equipment except when such goods or equipment form part of a turn-key construction contract/ EPC contract for the project. Further, in cases where different individual contracts are signed between same entities for the same project, the cumulative payments received under such individual contracts shall be considered for meeting the qualification requirement.

The Technically Evaluated Entity may be the Bidding Company or the Lead Member of a Consortium or an Affiliate or Parent of such Bidding Company or the Lead Member, as the case may be.

Bidders shall furnish documentary evidence duly certified by authorized signatory of the Bidder who has been issued Power of Attorney in support of their technical capability as defined in Clause 2.1.2 of this RFP.

2.1.3 **Financial requirement to be met by the Bidding Company/Bidding Consortium**

2.1.3.1 The Bidder must fulfill following financial requirements:

A. Networth:

Networth should be not less than Rs**. 675.20 Crore** or equivalent USD (calculated as per provisions in Clause 3.4.1**)** computed as the Networth based on unconsolidated audited annual accounts (refer to Note below) of any of the last three (3) financial years as provided in Clause 2.2.3, immediately preceding the Bid Deadline. Also, the Networth of any of the last three (3) financial years should not be negative.

Note: Audited consolidated annual accounts of the Bidder may be used for the purpose of financial criteria provided the Bidder has at least 26% equity in each company whose accounts are merged in the audited consolidated accounts and provided further that the financial capability of such companies (of which accounts are being merged in the consolidated accounts) shall not be considered again for the purpose of evaluation of the Technical Bid. Bidders shall furnish prescribed Annexure 7 (A) duly certified by authorized signatory of the Bidder who has been issued Power of Attorney and the Statutory Auditor and separate computation sheet for Networth duly certified by

Statutory Auditor in support of their financial capability as defined in Clause 2.1.3 of this RFP.

2.1.3.2 The Networth shall be computed in the following manner by the Bidder:

A. Networth

=	Equity share capital
Add:	Reserves
Subtract:	Revaluation Reserves
Subtract:	Intangible Assets
Subtract:	Miscellaneous expenditures to the extent not written off and carry forward losses

2.1.3.3 If the Technical Bid is submitted by a Bidding Consortium the financial requirement shall be met individually and collectively by all the Members in the Bidding Consortium. The financial requirement to be met by each Member of the Bidding Consortium shall be computed in proportion to the equity commitment made by each of them for investment in the Project.

2.1.4 The Bidder may seek qualification on the basis of technical and financial capability of its Parent and/ or its Affiliate(s) for the purpose of meeting the Qualification Requirements. However, in the case of the Bidder being a Consortium, the Lead Member has to meet the technical requirement on its own or by seeking the technical capability of its Parent and/or its Affiliate(s). Authorization for use of such technical or financial capability shall have to be provided from its Parent and/or Affiliate(s) as per Annexure 9. The technical and financial capability of a particular company/ particular project, including its Parents and/or Affiliates, shall not be used directly or indirectly by more than one Bidder/ Member of a Bidding Consortium/ Bidding Company. However, development and construction experience of a particular project may be used by more than one company.

The determination of the relationship of Parent or Affiliate with the Bidding Company or with the Member of the Bidding Consortium, including the Lead Member, shall be on the date at the most seven (7) days prior to the last date of submission of the Bid. Documentary evidence to establish such relationship shall be furnished by the Bidder along with the Technical Bid.

If the Technically Evaluated Entity and/or Financially Evaluated Entity is an entity other than the Bidding Company or a Member in a Bidding Consortium, the Bidding Company or Member relying on such Technically Evaluated Entity and/or Financially Evaluated Entity will have to submit a legally binding undertaking supported by a board resolution from the Technically Evaluated Entity and/or Financially Evaluated Entity or its Ultimate Parent Company, that all the equity investment obligations of the Bidding Company or the Member of the Consortium shall be deemed to be equity investment obligations of the Technically Evaluated Entity and/or Financially Evaluated Entity or its Ultimate Parent Company, and in the event of any default the same shall be met by such evaluated entity or by or the Ultimate Parent Company. The Bidding Company or the Consortium Member shall have to provide information and documents relating to its relationship with such Technically Evaluated Entity and/or Financially Evaluated Entity including details about the equity shareholding between them as per Annexure 7(C).

2.1.5 A Bidder shall submit only one Bid in the same bidding process, either individually as

Bidding Company or as a Member of a Bidding Consortium (including the Lead Member). It is further clarified that any of the Parent/ Affiliate/Ultimate Parent of the Bidder/ Member in a Bidding Consortium shall not separately participate directly or indirectly in the same bidding process. Further, if any Bidder is having a Conflict of Interest with other Bidders participating in the same bidding process, the Bids of all such Bidders shall be rejected.

2.1.6 Notwithstanding anything stated above, BPC reserves the right to verify the authenticity of the documents submitted for meeting the Qualification Requirements and request for any additional information and documents. BPC reserves the right at its sole discretion to contact the Bidder's bank and project references and verify the Bidder's information and documents for the purpose of bid evaluation.

2.1.7 The Qualified Bidder(s) will be required to continue to maintain compliance with the Qualification Requirements throughout the bidding process and till execution of the Transmission Service Agreement. Where the Technically Evaluated Entity and/or the Financially Evaluated Entity is not the Bidding Company or a Member in a Bidding Consortium, as the case may be, the Bidding Company or Member shall continue to be an Affiliate of the Technically Evaluated Entity and/or Financially Evaluated Entity till the execution of the Transmission Service Agreement. Failure to comply with the aforesaid provisions shall make the Bid liable for rejection at any stage.

2.1.8 The Selected Bidder will be required to continue to maintain compliance with the Qualification Requirements till the COD of the Project. Where the Technically Evaluated Entity and/or the Financially Evaluated Entity is not the Bidding Company or a Member in a Bidding Consortium, as the case may be, the Bidding Company or Member shall continue to be an Affiliate of the Technically Evaluated Entity and/or Financially Evaluated Entity till the COD of the Project. Failure to comply with the aforesaid provisions shall be dealt as per provisions of Transmission Service Agreement.

2.1.9 On the Bid Deadline, for the Bidder to be eligible to participate in the bidding process:

a. the Bidder & any of its Affiliate including any Consortium Member & any of its Affiliate, their directors or key personnel should not have been barred or included in the blacklist by any government agency or authority in India, the government of the jurisdiction of the Bidder or Members where they are incorporated or the jurisdiction of their principal place of business, any international financial institution such as the World Bank Group, Asian Development Bank, African Development Bank, Inter-American Development Bank, Asian Infrastructure Investment Bank etc or the United Nations or any of its agencies; or

b. the Bidder & any of its Affiliate including any Consortium Member & any of its Affiliate or their directors should not have been convicted of any offence in India or abroad.

In case any investigation is pending against the Bidder, including any Consortium Member or Affiliate, or CEO or any of the directors/ manager/key managerial personnel of the Bidder /Consortium /Member or their Affiliates, full details of such investigation including the name of the investigating agency, the charge/offence for which the investigation has been launched, name and designation of persons against whom the investigation has been launched and other relevant information should be disclosed while submitting the Bid.

The Bidders shall confirm the above though a notarized affidavit as per Annexure 22.

2.2 Submission of Bid by the Bidder

2.2.1 The information and documents in Technical Bid will be submitted by the Bidder as per the formats specified in Section – 4 (Formats for RFP) of this document

2.2.2 Strict adherence to the formats wherever specified, is required. Wherever, information has been sought in specified formats, the Bidder shall refrain from referring to brochures/ pamphlets. Non-adherence to formats and/ or submission of incomplete information may be a ground for declaring the Technical Bid as non-responsive. Each format has to be duly signed and stamped by the authorized signatory of Bidder.

2.2.3 The Technical Bid shall contain unconsolidated/consolidated audited annual accounts (consisting of unabridged Balance Sheet, Profit and Loss Account, profit appropriation account, Auditors Report, etc.), as the case may be, of Bidding Company or each Member in Consortium including Lead Member or the Financially Evaluated Entity for the last three (3) financial years immediately preceding the last date for submission of Bid for the purpose of calculation of Networth.

In case the annual accounts for the financial year immediately preceding the Bid Deadline is not audited, the Bidder shall give declaration in this regard duly certified by its statutory auditor. In such a case, the Bidder shall provide the audited annual accounts for the three (3) financial years preceding the financial year as above for which the annual accounts have not been audited.

2.2.4 Bid submitted by a Bidding Consortium:

2.2.4.1 The Technical Bid shall contain a legally enforceable Consortium Agreement entered amongst the Members in the Bidding Consortium, designating one of the Members to be the Lead Member (as per Annexure 6). There shall be only one Lead Member which shall continue to hold twenty six percent (26%) equity in the TSP and cannot be changed upto one (1) year from the Commercial Operation Date (COD) of the Project. Each Member in Bidding Consortium shall duly sign the Consortium Agreement making it liable for raising the required funds for its respective equity investment commitment as specified in the Consortium Agreement. In absence of Consortium Agreement, the Technical Bid will not be considered for evaluation and will be rejected.

Provided that the Lead Member of the Bidding Consortium will be required to be liable to the extent of 100% of the total proposed commitment of equity investment of the Bidding Consortium i.e. for both its own equity contribution as well as the equity contribution of other Members.

Provided further that the Consortium Agreement shall not be amended without the explicit approval of the BPC.

The Lead Member of the Consortium will be the single point of contact for the purposes of the bid process before the date of signing of Share Purchase Agreement. Settlement of any dispute amongst the Consortium Members shall not be the responsibility of the BPC and/or the CTU and the BPC and/or the CTU shall not bear any liability whatsoever on this account.

2.2.4.2 The Lead Member should designate at the most two persons to represent the Consortium in its dealings with the BPC. The person(s) designated by the Lead Member should be authorized through a Power of Attorney (as per Annexure 3) to perform all tasks including, but not limited to providing information, responding to enquiries, signing of Technical Bid on behalf of the Consortium, etc. The Bidding Consortium shall provide board resolutions from their respective Boards for committing their respective portion of equity requirement for the Project. Additionally, the Lead member shall provide a Board resolution committing to make good any shortfall in the equity for the project, in case of any member not meeting its equity commitment.

2.2.4.3 The Technical Bid should also contain signed Letter of Consent (as per Annexure 2) from each Member in Consortium confirming that the entire Technical and Financial Bids has been reviewed and each element of the Technical and Financial Bids is agreed to by them including investment commitment for the Project.

In addition, the Technical Bid should also contain Board Resolution from each Member of the Consortium other than the Lead Member in favour of their respective authorized representatives for executing the POA, Consortium Agreement and signing of the requisite formats.

2.2.5 Bid submitted by a Bidding Company

2.2.5.1 The Bidding Company should designate at the most two persons to represent the Bidding Company in its dealings with BPC. The person(s) should be authorized to perform all tasks including, but not limited to providing information, responding to enquiries, signing of Technical and Financial Bids etc. The Bidding Company should submit, along with Technical Bid, a Power of Attorney (as per Annexure 3), authorizing the signatory of the Technical and Financial Bids. The Bidding Company shall submit the board resolution committing 100% of equity requirement for the Project, in the Technical Bid.

2.3 Clarifications & Pre-Bid Meeting

2.3.1 The Bidders may seek clarifications or suggest amendments to the RFP by sending an email to the BPC at the email id indicated in Clause 2.14 within the date and time mentioned in Clause 2.7.2. For any such clarifications or amendments, the Bidders should adhere to the format as per Annexure – 19.

2.3.2 Only those Bidders or their authorized representatives, who have purchased the RFP documents are invited to attend the pre-bid meeting(s), which will take place on date as specified in Clause 2.7.2, or any such other date as notified by the BPC. The time and address of this would be intimated later.

2.3.3 The purpose of the pre-bid meeting will be to clarify any issues regarding the RFP, including in particular, issues raised in writing by the Bidders as per the provisions of Clause 2.3.1.

2.3.4 Non-attendance at the pre-bid meeting will not be a cause for disqualification of a Bidder.

2.3.5 The BPC is not under any obligation to entertain / respond to suggestions made or to incorporate modifications sought for.

2.3.6 In case Bidders need any further clarifications not involving any amendments in respect of final RFP, they should ensure that request for such clarification is submitted through e-mail to the BPC at least ten (10) days prior to the Bid Deadline as mentioned in Clause 2.7.1. The BPC may issue clarifications only, as per its sole discretion, which is considered reasonable by it. Any such clarification issued shall be sent to all the Bidders to whom the RFP has been issued. Clarifications sought after this date shall not be considered in any manner and shall be deemed not to have been received. There shall be no extension in Bid Deadline on account of clarifications sought as per this clause 2.3.6.

2.4 Amendment of RFP

2.4.1. At any time before the timeline mentioned in Clause 2.7.1, the BPC may, for any reason, whether at its own initiative or in response to clarifications requested by any Bidder modify or amend the RFP, including the timelines specified in Clause 2.7.2 by issuance of addendum/modification/errata and/or revised document. Such document shall be notified in writing through a letter or fax or e-mail to all the entities to which the RFP has been issued and shall be binding on them. In order to ensure that Bidders have reasonable time to take the modification into account in preparing their Bid, or for any other reasons, BPC may at its discretion, extend the due date for submission of Bid. Late receipt of any addendum/modification/errata and/or revised document will not relieve the Bidder from being bound by that modification.

2.4.2. All modifications shall become part of the terms and conditions of this RFP. No interpretation, revision or communication regarding this RFP is valid, unless made in writing.

2.4.3. The amendment to the RFP shall be notified to all the Bidders through the electronic bidding platform and shall be binding on them.

2.5 The Bidding Process

The entire bidding process shall be conducted on electronic bidding platform created by MSTC Limited. The Bid shall comprise of the Technical Bid and the Financial Bid. The Bidders shall submit the Technical Bid & Financial Bid through the electronic bidding platform. In addition to the online submission, the Bidder with lowest Final Offer will be required to submit original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure 6 (if applicable) and Annexure 14 before issuance of LoI. There shall be no physical submission of the Financial Bid.

Evaluation of Technical Bid will be carried out considering the information and documents furnished by the Bidders as required under this RFP. This step would involve responsiveness check, technical and financial evaluation of the details/ documents furnished by the Bidding Company / Bidding Consortium in support of meeting the Qualification Requirements. Bidders meeting the Qualification Requirements, subject to evaluation as specified in Clause **3.2** to **3.4** shall be declared as "Qualified Bidders" and eligible for opening of Initial Offer. The BPC shall also upload the list of all Qualified Bidders and Non-Qualified Bidders on the bidding portal along with the reasons for non-qualification. Also, the Financial Bids of Qualified Bidders shall be opened after at least 24 hours from the date of declaration of the Technically Qualified Bidders.

The Financial Bid will comprise of two rounds. In the first round the Initial Offer (submitted online along with the Technical Bids) of the responsive bids would be

opened and Quoted Transmission Charges of Initial Offer shall be ranked on the basis of ascending order for determination of the Qualified Bidders as provided in Section-III of RFP. The Qualified Bidders, in the first fifty per cent of the ranking (with any fraction rounded off to higher integer) or four Qualified Bidders, whichever is higher, shall qualify for participating in the electronic reverse auction stage and submit their Final Offer.

Provided however, in case only one Bidder remains after the evaluation of Technical Bid as per Clause 3.2, 3.3 and Clause 3.4, the Initial Offer of such Bidder shall not be opened and the matter shall be referred to the Government.

Provided that in the event the number of qualified Technical Bids is between two and four, then each of the qualified Bidder shall be considered as "Qualified Bidders".

Provided that in the event of identical Quoted Transmission Charges discovered from the Initial Offer having been submitted by one or more Bidders, all such Bidders shall be assigned the same rank for the purposes of determination of Qualified Bidders. In such cases, all the Qualified Bidders who share the same rank till 50% of the rank (with any fraction rounded off to higher integer) determined above, shall qualify to participate in the electronic e-reverse auction stage. In case 50% of the ranks (with any fraction rounded off to higher integer) is having less than 4 (four) Bidders and the rank of the fourth (4th) Bidder is shared by more than one (1) Bidder, then all such Bidders who share the rank of the fourth (4th) Bidder shall qualify to participate in the electronic reverse auction.

The applicable ceiling for electronic reverse bidding shall be the lowest Quoted Transmission Charges discovered from the Initial Offer received from the Qualified Bidders. The Qualified Bidders shall be permitted to place their Final Offer on the electronic bidding platform, which is lower than zero point two five (0.25) % of the prevailing lowest Quoted Transmission Charges.

The initial period for conducting the e-reverse bidding should be 2 hours which will be extended by 30 minutes from the last received bid time, if the bid is received during the last 30 minutes of the scheduled or extended bid time. Subsequently, it will be extended again by 30 minutes from the latest received bid time.

The technical details with respect to access to such electronic platform are provided in Annexure-A (Technical Details with respect to electronic reverse auction).

In case of any technical clarification regarding access to the electronic reverse auction platform or conduct of the auction process, the Bidders may contact MSTC Limited directly at the address provided in Annexure-A.

2.5.1 Bid Formats

The Bids in response to this RFP will be submitted online through the electronic bidding platform by the Bidders in the manner provided in Clause 2.9. The Bids shall comprise of the following:

2.5.2 Technical Bid comprising of:

1. Covering Letter (as per prescribed format enclosed as **Annexure 1**);

2. Letter of Consent from Consortium Members in **Annexure 2;**

3. Power of attorney issued by the Bidding Company or the Lead Member of the Consortium, as the case may be, in favour of the person signing the Bid, in the format attached hereto as **Annexure 3**.

   Additionally, in case of a Bidding Consortium, the power of attorney in favour of the Lead Member issued by the other Members of the Consortium shall be provided in as per format attached hereto as **Annexure 4**. Further, the Lead Member shall furnish Board resolution(s) from each Member of the Consortium other than the Lead Member in favour of their respective authorized representatives for executing the POA and signing of the requisite formats.

   Provided that in the event the Bidding Company or the Lead Member of the Consortium or any Member of the Bidding Consortium, as the case may be, is a foreign entity, it may issue Board resolutions in place of power of attorney for the purpose of fulfilling these requirements.

4. Bidder's composition and ownership structure in **Annexure 5**

5. Format for Authorization submitted in Non-Judicial stamp paper duly notarized as per **Annexure 5** from the Bidding Company / each Member of the Consortium authorizing the BPC to seek reference from their respective bankers & others.

6. In case of Bidding Consortium, the Consortium Agreement shall be provided in as per format attached hereto as **Annexure 6**

7. Format of Qualification Requirement (**Annexures 7A, 7B, 7C and 7D)**

8. Bidders Undertakings and details of equity investment in Project (as per prescribed formats 1 and 2 of **Annexure 8**);

9. Authorization from Parent / Affiliate of Bidding Company / Member of Bidding Consortium whose technical / financial capability has been used by the Bidding Company / Member of Bidding Consortium **(Annexure 9)**.

10. Undertaking from the Technically / Financially Evaluated Entity(ies) **OR** Undertaking from the Ultimate Parent Company, for total equity investment commitment, in the prescribed format in **Annexure – 10**, to meet any shortfall in the equity investment by the Selected Bidder in the …… (Insert the name of SPV).

    Note: The effective Equity holding of the Selected Bidder in the …… (Insert the name of SPV), as specified in Clause 2.5.8.1 shall be computed as per the provisions of Clause 2.5.8.3 of this RFP.

    Provided further, in case the Bidding Company or Member of a Consortium, (as the case may be) holds at least twenty six percent (26%) equity in such Technically/ Financially Evaluated Entities, whose credentials have been considered for the purpose of meeting the Qualification Requirements as per the RFP, no such Undertaking shall be required from the Technically / Financially Evaluated Entities.

11. Board resolutions, as per prescribed formats enclosed as Annexure – 11, duly certified by the Company Secretary or any Whole-time Director / Manager (supported by a specific Board Resolution), as applicable to the Bidder and mentioned hereunder,

    (a) Board resolution from the Bidding Company (and any investing Affiliate / Parent Company / Ultimate Parent Company) committing one hundred percent (100%) in aggregate of the equity requirement for the Project - Format-1 of **Annexure 11**;

    (b) Board resolutions from each of the Consortium Member of the Bidding Consortium (and any investing Affiliate / Parent Company / Ultimate Parent Company) together committing to one hundred percent (100%) in aggregate of equity requirement for the Project, in case Bidder is a Bidding Consortium - Format-1 of **Annexure 11**;

    (c) In either of the cases as in (a) or (b) above as applicable, Board resolutions as per Format 2 of **Annexure 11** for total equity investment commitment from the Technically / Financially Evaluated Entity(ies) whose technical / financial credentials had been considered for the purpose of meeting Qualification Requirements as per the RFP

    OR

    Board resolutions as per Format 2 of **Annexure 11** from the Parent Company or the Ultimate Parent Company for total equity investment commitment.

    Provided that such Board resolutions, as specified in (a) or (b) or (c) above, in case of a foreign entity, shall be supported by an unqualified opinion issued by an independent legal counsel practicing in the relevant country, stating that the Board resolutions are in compliance with the applicable laws of the respective jurisdictions of the issuing company and the authorizations granted therein are true and valid.

    For clarity sake, illustrations identifying which Board Resolution shall be applicable in typical cases are provided in **Annexure 11A**.

12. Format for Illustration of Affiliates at the most seven (7) days prior to Bid Deadline, duly certified by Company Secretary and supported by documentary evidence **(Annexure 12)**.

    Certified copy of the Register of Members / Demat Account Statement, Share Certificate, Annual Return filed with ROC etc. submitted as documentary evidence along with **Annexure 12.**

13. Disclosure as per **Annexure 13** regarding participation of any related companies in this bidding process.

14. Bid Bond, as per the prescribed format at **Annexure 14 ~~or~~** ~~Bid Security Declaration as per prescribed format at~~ ~~**Annexure 14A (as applicable)**~~;

15. Checklist for Technical Bid submission requirements as per **Annexure 16**.

16. Last three (3) financial years' unconsolidated / consolidated audited annual accounts / statements, as the case may be, of the Financially Evaluated Entity / Technical Evaluated Entity

17. Unconsolidated audited annual accounts of both the TEE and the Bidding Company/Lead member, as applicable, for the financial years in which financial closure was achieved and the financial year in which the said project was completed / commissioned.

18. Copy of the Memorandum and Articles of Association and certificate of incorporation or other organizational document (as applicable), including their amendments, certified by the Company Secretary of Bidding Company or each Member in case of a Consortium including Lead Member.

19. For each project listed in Annexure 7(D), certified true copy of the certificates of final acceptance and / or certificates of good operating performance duly issued by owners or clients for the project, duly signed by duly signed by authorized signatory.

In addition to the online submission of above formats through the electronic platform, the Bidder with lowest Final Offer will be required to submit original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure 6 (if applicable) and Annexure 14 before issuance of LoI. In case, there is a discrepancy between the online submission and physical documents, the bid would be out rightly rejected and the bidder shall be construed to have engaged in the fraudulent practice as defined in Clause 2.19.3 with consequences as mentioned in Clause 2.19.2.

2.5.3 Financial Bid (as per prescribed format at Annexure-21)

Financial Bid shall comprise of: (i) the Initial Offer; and (ii) the Final Offer. The Initial Offer is required to be submitted along with the Technical Bid. It is hereby clarified that the Financial Bid will comprise of two rounds. In the first round the Initial Offer of the responsive bids would be opened and Quoted Transmission Charges of Initial Offer shall be ranked on the basis of ascending order for determination of the Qualified Bidders as provided in Section-III of RFP.

In accordance with clause 2.5 of this RFP, the qualified Bidders shall be eligible to participate in the electronic reverse auction and submit their Final Offer.

The applicable ceiling for electronic reverse bidding shall be the lowest Quoted Transmission Charges discovered from the Initial Offer received from the Qualified Bidders. The Qualified Bidders shall be permitted to place their Final Offer on the electronic bidding platform, which is lower than zero point two five (0.25) % of the prevailing lowest Quoted Transmission Charges.

The initial period for conducting the e-reverse bidding should be 2 hours which will be extended by 30 minutes from the last received bid time, if the bid is received during the last 30 minutes of the scheduled or extended bid time. Subsequently, it will be extended again by 30 minutes from the latest received bid time.

The Bidders shall inter-alia take into account the following while preparing and submitting the Initial Offer and Final Offer of Financial Bid:-

a. The Bidders shall quote single annual Quoted Transmission Charges for a period of 35 years commencing from the Scheduled COD of the Project.

b. The Quoted Transmission Charges as per the format at Annexure-21 shall be inclusive of all charges and no exclusions shall be allowed. The Bidders shall take into account all costs including capital and operating, statutory taxes, duties, levies. Availability of the inputs necessary for operation and maintenance of the Project should be ensured by the TSP at the Project site and all costs involved in procuring the inputs (including statutory taxes, duties, levies thereof) at the Project site must be included in the Quoted Transmission Charges.

c. Annexure 21 duly digitally signed by authorized signatory.

2.5.4 Wherever information has been sought in specified formats, the Bidders shall fill in the details as per the prescribed formats and shall refrain from referring to any other document for providing any information required in the prescribed format.

2.5.5 Transmission Charges

2.5.5.1. The Transmission Charges shall be specified in the Transmission Service Agreement and shall be payable to the TSP in Indian Rupees only. The Bidders shall quote single Transmission Charges as per the format at Annexure – 21.

2.5.5.2. The Transmission Charges of the Selected Bidder shall be inserted in Schedule 5 of the Transmission Service Agreement.

2.5.6 Bidders may note that:

a) All the information and documents in Bid shall be submitted in English language only.

b) Bidders shall mention the name, designation, telephone number, fax number, email address of the authorized signatory and complete address of the Bidder in the covering letter.

c) All pages of the Bid submitted shall be initialed and stamped by the authorized signatory on behalf of the Bidder.

d) A Bidder shall submit only one Bid in the same bidding process, either individually as Bidding Company or as a Member of a Bidding Consortium.

e) The technical and financial capability of a particular company / particular project (Parent and/ or Affiliate) shall not be used directly or indirectly by more than one Bidder/ Member of a Bidding Consortium including Lead Member / Bidding Company.

f) This Request for Proposal (RFP) document is not transferable. The RFP document and the information contained therein is for the use only by the Bidder to whom it is issued. It may not be copied or distributed by the recipient to third parties (other than in confidence to the recipient's professional advisors). In the event that the recipient does not continue with its involvement in the Project, this RFP document must be kept confidential.

g) Though adequate care has been taken while preparing this RFP document, the Bidder shall satisfy himself that the document is complete in all respects. Intimation of any discrepancy shall be given to the BPC immediately. If no intimation is received from any Bidder within ten (10) days from the date of issue of RFP document, it shall be considered that the RFP document is complete in all respects and has been received by the Bidder.

h) Bids submitted by the Bidder and opened on scheduled date and time as stipulated in this RFP shall become the property of the BPC and BPC shall have no obligation to return the same to the Bidder.

i) If any Bidder conceals any material information or makes a wrong statement or misrepresents facts or makes a misleading statement in its Bid, in any manner whatsoever, the BPC reserves the right to reject such Bid or cancel the Letter of Intent, if issued. If such event is discovered after the Effective Date, consequences specified in Transmission Service Agreement shall apply.

j) If for any reason the Bid of the Bidder with the lowest Quoted Transmission Charges is not selected or Letter of Intent issued to such Selected Bidder is cancelled or such Bidder withdraws its Bids, the BPC may:-

i. Invite all the remaining Bidders to revalidate or extend their respective Bid Security, as necessary, and match the Bid of the Bidder with the lowest Quoted Transmission Charges (the "second round of bidding") with following cases:

- If in the second round of bidding, only one Bidder matches the Bid of the Bidder with lowest Quoted Transmission Charges, it shall be the Selected Bidder.

- If two or more Bidders match the Bid of the Bidder with the lowest Quoted Transmission Charges in the second round of bidding, then the Bidder whose Quoted Transmission Charges was lower as compared to other Bidder(s) in the first round of bidding shall be the Selected Bidder. For example, if the third and fifth lowest Bidders in the first round of bidding offer to match the Bid of the Bidder with lowest Quoted Transmission Charges in the second round of bidding, the said third lowest Bidder shall be the Successful Bidder.

- In the event that no Bidder offers to match the Bid of the Bidder with the lowest Quoted Transmission Charges in the second round of bidding, the BPC may, in its discretion, invite fresh Bids (the "third round of bidding") from all Bidders except the Bidder which quoted the lowest Quoted Transmission Charges in the first round of bidding. In case the Bidders are invited for the third round of bidding to revalidate or extend their Bid Security, as necessary, and offer fresh Bids, they shall be eligible for submission of fresh Bids provided, however, that in such third round of bidding only such Bids shall be eligible for consideration which are lower than the Quoted Transmission Charges of the second lowest Bidder in the first round of bidding; or;

ii. Annul the bid process; or

iii. Take any such measure as may be deemed fit in the sole discretion of the BPC[1]

k) The BPC may, at its sole discretion, ask for additional information / document and/or seek clarifications from a Bidder after the Bid Deadline, inter alia, for the purposes of removal of inconsistencies or infirmities in its Bid. However, no change in the substance of the Quoted Transmission Charges shall be sought or permitted by the BPC.

l) Non submission and/or submission of incomplete data/ information required under the provisions of RFP shall not be construed as waiver on the part of BPC of the obligation of the Bidder to furnish the said data / information unless the waiver is in writing.

m) Bidders shall familiarize itself with the procedures and time frames required to obtain all Consents, Clearances and Permits.

n) All Bidders are required to ensure compliance with the standards and codes mentioned in Clause 1.6.1.2.

o) BPC reserves the right to reject all Bids and/or annul the process of tariff based competitive bidding for selection of Bidder as TSP to execute the Project without assigning any reason. BPC shall not bear any liability, whatsoever, in this regard.

p) Foreign companies submitting the Bid are required to follow the applicable law in their country for execution of POA, Consortium Agreement and affixation of Common Seal (wherever required) and in such cases, their Bid should be supported by an unqualified opinion issued by an independent legal counsel practicing in the relevant country, stating that execution of such POA, Consortium Agreement and the authorizations granted therein are true and valid. Foreign companies executing POA outside India shall necessarily pay the adequate stamp charges in India as per the provisions of Stamp Act.

2.5.7 Bidders to inform themselves fully

2.5.7.1. The Bidders shall make independent enquiry and satisfy themselves with respect to all the required information, inputs, conditions and circumstances and factors that may have any effect on his Bid. Once the Bidders have submitted their Bids, the Bidders shall be deemed to have inspected and examined the site conditions (including but not limited to its surroundings, its geological condition and the adequacy of transport facilities to the site), the laws and regulations in force in India, the transportation facilities available in India, the grid conditions, the adequacy and conditions of roads, bridges, railway sidings, ports, etc. for unloading and/or transporting heavy pieces of material and has based its design, equipment size and fixed its price taking into account all such relevant conditions and also the risks, contingencies and other circumstances which may influence or affect the transmission of power. Accordingly, each Bidder acknowledges that, on being selected as Successful Bidder and on acquisition of one hundred percent (100%) of the equity shares of the …… (Insert the name of SPV), the TSP shall not be relieved from any of its obligations under the RFP Project Documents nor shall the TSP be entitled to any extension in Scheduled COD mentioned in this RFP or financial compensation for any reason whatsoever.

[1] BPC shall record reasons for the same.

2.5.7.2. In their own interest, the Bidders are requested to familiarize themselves with all relevant laws of India, including without limitation, the Electricity Act 2003, the Income Tax Act 1961, the Companies Act, 1956 / Companies Act, 2013 (as the case may be), Environment Protection Act 1986 and Forest (Conservation) Act, 1980, the Customs Act, the Foreign Exchange Management Act, Land Acquisition Act, 1894, the Indian Telegraph Act 1885, Labor & Employment Laws of India, [Insurance Act] the regulations/standards framed by the Commissions and CEA, all other related acts, laws, rules and regulations prevalent in India, as amended from time to time.

In addition to the above, the Bidders are required to familiarize themselves with all relevant technical codes and standards, including but not limited to the Grid Code / State Grid Code, Central Electricity Authority (Installation and Operations of Meters) Regulations, 2006, Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007, Central Electricity Regulatory Commission Grant of Connectivity, Long-term Access and Medium - Term Open Access in Inter-State Transmission and related matters) Regulations, 2009, Central Electricity Authority (Technical Standards for construction of Electrical Plants and Electric Lines) Regulation, 2010, Central Electricity Authority (Technical Standards for Communication System in Power System Operation) Regulations, 2020, Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2020 and other relevant Rules/ Regulations/ Guidelines issued by the Central Government, the CERC and the CEA and amendments thereof.

The BPC shall not entertain any request for clarifications from the Bidders regarding the above laws / acts / rules / regulations / standards. Non-awareness of the same shall not be a reason for the Bidder to request for extension in Bid Deadline. The Bidders undertake and agree that, before submission of their Bid, all such factors as generally brought out above, have been fully investigated and considered while submitting their Bids.

2.5.7.3. The Survey Report has been prepared in good faith, and on best endeavor basis. Neither BPC & Nodal Agency nor their employees or advisors/consultants make any representation or warranty, express or implied, or accept any responsibility or liability, whatsoever, in respect of any statements or omissions made in the Survey Report, or the accuracy, completeness or reliability of information contained therein, and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of such Survey Report, even if any loss or damage is caused to the Bidders by any act or omission on their part.

2.5.7.4. Bidders shall make best efforts and carry out its own due diligence upon survey report provided by BPC and shall consider all possible techno-commercial factors before submission of Bid. Bidders may also visit the route of the Transmission Lines associated with the Project and the surrounding areas and obtain / verify all information which they deem fit and necessary for the preparation of their Bid. Bidders may also carry out required surveys and field investigation for submission of their Bid. Bidders may also opt for any other route and is not bound to follow the route suggested in survey report provided by BPC.

2.5.7.5. Failure to investigate, examine and to inspect site or subsurface conditions fully shall not be grounds for a Bidder to alter its Bid after the Bid Deadline nor shall it relieve a Bidder from any responsibility for appropriately eliminating the difficulty or costs of successfully completing the Project.

2.5.7.6. The Selected Bidder shall obtain all necessary Consents, Clearances and Permits as required. The Bidders shall familiarize itself with the procedures and time frame required to obtain such Consents, Clearances and Permits.

2.5.7.7. The technical requirements of integrated grid operation are specified in the Indian Electricity Grid Code (IEGC). The Bidders should particularly acquaint themselves with the requirements of connection conditions, operating code for regional grids, scheduling and dispatch instructions/codes, etc. The Bidders are also advised to fully familiarize themselves with the real time grid conditions in the country. Information regarding grid parameters such as voltage and frequency is available on the websites of Regional / State Load Despatch Centers.

2.5.8 Minimum Equity holding/Equity Lock-in

2.5.8.1. (a) The aggregate equity share holding of the Selected Bidder, in the issued and paid up equity share capital of …… (Insert the name of SPV) shall not be less than Fifty one percent (51%) up to a period of (1) one year after COD of the Project;

(b) In case the Selected Bidder is a Bidding Consortium, then any Member (other than the Lead Member) of such Bidding Consortium shall be allowed to divest its equity as long as the other remaining Members (which shall always include the Lead Member) hold the minimum equity specified in (a) above.

(c) If equity is held by the Affiliates, Parent Company or Ultimate Parent Company, then subject to the second proviso of this Clause 2.5.8.1 (c), such Affiliate, Parent Company or Ultimate Parent Company shall be permitted to transfer its shareholding in …… (Insert the name of SPV) to another Affiliate or to the Parent Company / Ultimate Parent Company. If any such shareholding entity, qualifying as an Affiliate / Parent Company / Ultimate Parent Company, is likely to cease to meet the criteria to qualify as an Affiliate / Parent Company / Ultimate Parent Company, the shares held by such entity shall be transferred to another Affiliate / Parent Company / Ultimate Parent Company.

Provided that in case the Lead Member or Bidding Company is holding equity through Affiliate/s, Ultimate Parent Company or Parent Company, such restriction shall apply to such entities.

Provided further, that the aggregate equity share holding of the Bidding Consortium or a Bidding Company in the issued and paid up equity share capital of …… (Insert the name of SPV) shall not be less than fifty one percent (51%) up to a period of one (1) year after COD of the Project and the lead Member of the Consortium shall have the equity share holding not less than twenty six percent (26%). In case the Selected Bidder is a Bidding Consortium, then any Member (other than the Lead Member) of such Bidding Consortium shall be allowed to divest its equity as long as the other remaining Members (which shall always include the Lead Member) hold the minimum equity specified in (a) above.

(d) All transfer(s) of shareholding of …… (Insert the name of SPV) by any of the entities referred to above, shall be after prior written intimation to the Nodal Agency.

2.5.8.2. The Selected Bidder may invest in the equity share capital of …… (Insert the

name of SPV) through its Affiliate(s) or Ultimate Parent Company or Parent Company. Details of such investment will have to be specified in the Technical Bid as per Format 2 of Annexure 8 of the RFP. If the Selected Bidder so invests through any Affiliate(s) or Ultimate Parent Company or Parent Company, the Selected Bidder shall be liable to ensure that minimum equity holding/lock-in limits specified in Clause 2.5.8.1 and as computed as per the provisions of Clause 2.5.8.3 are still maintained.

2.5.8.3. For computation of effective Equity holding, the Equity holding of the Selected Bidder or its Ultimate Parent Company in such Affiliate(s) or Parent Company and the equity holding of such Affiliate (s) or Ultimate Parent Company in …… (Insert the name of SPV) shall be computed in accordance with the example given below:

If the Parent Company or the Ultimate Parent Company of the Selected Bidder A directly holds thirty percent (30%) of the equity in …… (Insert the name of SPV) then holding of Selected Bidder A in …… (Insert the name of SPV) shall be thirty percent (30%);

If Selected Bidder A holds thirty percent (30%) equity of the Affiliate and the Affiliate holds fifty percent (50%) equity in …… (Insert the name of SPV), then for the purposes of ascertaining the minimum equity/equity lock-in requirements specified above, the effective holding of Bidder A in …… (Insert the name of SPV) shall be fifteen percent (15%), (i.e., 30%* 50%);

2.5.8.4. The provisions as contained in this Clause 2.5.8 and Article 19.1 of the Transmission Service Agreement shall override the terms of the Consortium Agreement submitted by the Bidder as part of the RFP.

2.6 Project Schedule

2.6.1. All Elements of the Project are required to be commissioned progressively as per the schedule given in the following table;

Sl. No.	**Name of the Transmission Element**	**Scheduled COD**	**Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project**	**Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element**
1.	Creation of New 220 kV Bus Section (3rd) with 220 kV Bus Sectionaliser and 400/220 kV, 3x500 MVA ICT augmentation (7th, 8th & 9th) at Pachora PS terminated on 220 kV Bus Section (3rd)	24 months from effective date as per TSA	5.04%	Elements at sl. no. 1, 2a, 3 and 4 are pre-required for declaring the commercial operation (COD)
2.	**2a**. 3 Nos. 220 kV line bays for RE interconnection on Bus Section (3rd)		0.48%	
	2b. 1 No. 220 kV line bay for	31.03.2028	0.16%	Element at sl. No.

Sl. No.	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
	RE Interconnection of Purvah Green Power Pvt. Ltd. on Bus Section (3rd)	(as per start date requested by applicant)		2b can be commissioned separately subject to commissioning of elements at sl. no. 1, 2a, 3 and 4.
3.	Pachora PS – Rajgarh(PG) 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) along with associated line bays at both ends and 50 MVAr (Sw LR) on each ckt at both ends	24 months from effective date as per TSA	24.54%	Elements at sl. no. 1, 2a, 3 and 4 are pre-required for declaring the commercial operation (COD)
4.	Installation of 1x125 MVAr, 420 kV bus reactor at Pachora PS (400 kV Bus Section-II)		0.86%	
5.	Creation of New 220 kV Bus Section-II at Neemuch PS with Augmentation of transformation capacity by 3x500 MVA, 400/220 kV ICTs (3rd, 4th and 5th) at Neemuch S/s along with associated bays.		5.04%	All Elements are required for declaring the commercial operation (COD) of the subject scheme
6.	4 Nos. 220 kV Line bays at Neemuch PS for RE interconnection		0.64%	
7.	Neemuch PS – Pachora PS 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) alongassociated Line bays and 50 MVAr Switchable Line Reactor (Sw LR) on each ckt at both ends		26.26%	
8.	Establishment of 2x500 MVA, 400/220 kV S/s at Handiya alongwith 2x125 MVAr 420 kV Bus Reactors		7.41%	
9.	Pachora PS – Handiya 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) along with associated bays at Pachora PS end and 50 MVAr		25.55%	

Sl. No.	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
	Switchable Line Reactor (Sw LR) on each ckt at both ends			
10.	LILO of Khandwa(PG) – Itarsi(PG) 400 kV D/c (Twin Moose) line at Handiya S/s		3.38%	
11.	Installation of 1x125 MVAr, 420 kV bus reactor (2nd) at Neemuch PS		0.64%	

The payment of Transmission Charges for any Element irrespective of its successful commissioning on or before its Scheduled COD shall only be considered after successful commissioning of the Element(s) which are pre-required for declaring the commercial operation of such Element as mentioned in the above table.

Scheduled COD for overall Project: As per Detailed Scope.

Note: List of Element(s) along with the critical Element(s) to be provided by CEA

2.7 Due dates

2.7.1. The Bidders should submit the Bids online through the electronic bidding platform before the Bid Deadline i.e. on or before 1500 hours (IST) on 28.05.2025. In addition to the online submission, the Bidder with lowest Final Offer will be required to submit original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure 6 (if applicable) and Annexure 14 before issuance of LoI.

2.7.2. Important timelines are mentioned below:

Date	Event
24.03.2025	Issuance of RFP
14.04.2025	Submission of written clarifications/amendments, if any, on the RFP / RFP Project Documents by Bidders so as to reach BPC by 1700 hours. Such written clarifications/amendments shall be in the format provided in Annexure-20.
16.04.2025	Pre-Bid meeting(s)
02.05.2025	Issue of written clarifications and revised RFP documents
13.05.2025	Issue of final RFP Project Documents
28.05.2025	Submission of Bid (Online submission of Bid through electronic bidding portal)
28.05.2025	Opening of Technical Bid
05.06.2025	Short listing and announcement of Qualified Bidders on bidding portal
09.06.2025	Opening of Financial Bid - Initial Offer

Date	Event
10.06.2025	Electronic reverse auction (Financial Bid – Final Offer) for the Qualified Bidders.
13.06.2025	Submission of original hard copies of Annexure 3, Annexure 4, Annexure 6, as applicable and Annexure 14 by the bidder with lowest Final Offer
18.06.2025	Selection of Successful Bidder and issue of LOI
30.06.2025	Signing of RFP Project Documents and transfer of …… (Insert the name of SPV)

2.7.3. To enable BPC to meet the schedule, all Bidders are expected to respond expeditiously during the bidding process. If any milestone/activity falls on a day which is not a working day or which is a public holiday then the milestone/activity shall be achieved/ completed on the next working day.

2.8 Validity of the Bid

2.8.1. The Bid shall remain valid for a period of one hundred and eighty (180) days from the Bid Deadline. The BPC reserves the right to reject any Bid which does not meet aforementioned validity requirement.

2.8.2. The BPC may solicit the Bidders' consent for an extension of the period of validity of the Bid. The request and the response, thereafter, shall be in writing. In the event any Bidder refuses to extend its Bid validity as requested by the BPC, the BPC shall not be entitled to invoke the Bid Bond. A Bidder accepting the BPC's request for validity extension shall not be permitted to modify its Bid and such Bidder shall, accordingly, extend the validity of the Bid Bond as requested by the BPC within seven (7) days of such request, failing which the Bid shall not be considered as valid.

2.9 Method of Submission

2.9.1. Both the Technical and Financial Bids duly filled in, all formats and supporting shall be scanned and uploaded online through electronic bidding platform in the manner specified in Annexure A

2.9.2. It may be noted that Technical Bid shall not contain any information/document relating to Financial Bid. If Technical Bid contains any such information/documents, the BPC shall not be responsible for premature opening of the Financial Bid.

All pages of the Bid, except for the Bid Bond (Annexure 14) and any other document executed on non-judicial stamp paper, forming part of the Bid and corrections in the Bid, if any, must be signed by the authorized signatory on behalf of the Bidder. It is clarified that the same authorized signatory shall sign all pages of the Bid. However, any published document submitted in this regard shall be signed by the authorized signatory at least on the first and last page of such document.

2.9.3. No change or supplemental information to a Bid already submitted will be accepted after the Bid Deadline, unless the same is requested for by the BPC as per Clause 2.5.6 (k).

Provided that a Bidder shall always have the right to withdraw / modify its Bid before the Bid Deadline. No Technical Bid or Initial Offer shall be modified, substituted or withdrawn by the Bidder on or after the Bid Deadline.

2.10 Preparation cost

2.10.1. The Bidders shall be responsible for all the costs associated with the preparation of the Bid and participation in discussions and attending pre-bid meetings, and finalization and execution of the RFP Project Documents (other than the TSA), etc. BPC shall not be responsible in any way for such costs, regardless of the conduct or outcome of the process of tariff based competitive bidding for selection of Bidder as TSP as per Bidding Guidelines.

2.10.2. The cost of this RFP is Rupees Five Lakh Only (Rs. 5,00,000) or U.S. Dollar Seven Thousand Only (US$ 7,000) plus GST as per applicable rate, which shall be non-refundable. This amount shall be paid via electronic transfer to the following Bank Account:

Bank Name, Address & Branch	ICICI Bank 9A, Phelps Building, Inner Circle, Connaught Place, New Delhi-110001
Bank Account Name	REC Power Development & Consultancy Limited
Bank Account No	000705041275
Bank IFSC Code No	ICIC0000007

Immediately after issuance of RFP document, the Bidder shall submit the Pre-Award Integrity Pact in the format as prescribed in Annexure B, which shall be applicable for and during the bidding process, duly signed on each page by any whole-time Director / Authorized Signatory, duly witnessed by two persons, and shall be submitted by the Bidder in two (2) originals in a separate envelope, duly superscripted with Pre-Award Integrity Pact. The Bidder shall submit the Pre-Award Integrity Pact on non-judicial stamp paper of Rs. 100/- each duly purchased from the National Capital Territory of Delhi. In case the Bidder is in a consortium, the Pre-Award Integrity Pact shall be signed and submitted by each member of the Consortium separately.

2.11 Bid Bond

2.11.1. Each Bidder shall submit the Bid accompanied by Bid Bond issued by any of the Banks listed in Annexure-17. The Bid Bond shall be valid for a period of thirty (30) days beyond the validity of the Bid.

2.11.2. Subject to the provisions of Clause 2.15.5, the Bid Bond may be invoked by the BPC or its authorized representative, without any notice, demure, or any other legal process upon occurrence of any of the following:

- Bidder withdraws during the period of Bid Validity as specified in this RFP or as extended by mutual consent of the respective Bidder(s) and the BPC
- Failure to execute the Share Purchase Agreement as per the provisions of Clause 2.15.2; or
- Failure to furnish the Contract Performance Guarantee as per Clause 2.12; or
- Failure to acquire one hundred percent (100%) equity shares of …… (Insert the name of SPV), along with all its related assets and liabilities, in accordance with the provisions of Clause 2.15.2; or

- Failure to comply with the provisions of Clause 2.15.5 and Clause 2.15.6, leading to annulment of the award of the Project.

- Bidders submitting any wrong information or making any misrepresentation in their Bid as mentioned in Clause 2.5.6.

Intimation of the reasons of the invocation of the Bid Bond shall be given to the Selected Bidder by the BPC within three (3) working days after such invocation.

2.11.3. The Bid Bond of the Selected Bidder shall be returned on submission of the Contract Performance Guarantee as per Clause 2.12 and the relevant provisions of the Transmission Service Agreement.

2.11.4. The Bid Bond of all the Bidders, whose Bids are declared non-responsive, shall be returned within a period of thirty (30) days after the date on which the Financial Bids are opened.

2.11.5. The Bid Bond of all unsuccessful Bidders shall be returned and released by the BPC on the same day on which the …… (Insert the name of SPV) is transferred to the Selected Bidder. The Bid Bond of the Successful Bidder shall be returned on submission of Contract Performance Guarantee as per Clause 2.12 of this RFP and the provisions of the Transmission Service Agreement.

2.12 Contract Performance Guarantee

2.12.1. Within ten (10) days from the date of issue of the Letter of Intent, the Selected Bidder, on behalf of the TSP, will provide to the Nodal Agency the Contract Performance Guarantee for an amount of Rs. 84.40 Crore (Rupees Eighty-Four Crore Forty Lakh Only). The Contract Performance Guarantee shall be initially valid for a period up to three (3) months after the Scheduled COD of the Project and shall be extended from time to time to be valid for a period up to three (3) months after the COD of the Project and thereafter shall be dealt with in accordance with the provisions of the Transmission Service Agreement. The Contract Performance Guarantee shall be issued by any of the banks listed in Annexure-17.

2.12.2. In case the Selected Bidder is unable to obtain the Contract Performance Guarantee for the total amount from any one bank specified in Annexure-17, the Selected Bidder may obtain the same from not more than three (3) banks specified in Annexure-17.

2.13 Opening of Bids

2.13.1. Technical Bid will be opened by the Bid Opening Committee as per the following time schedule and in the office of Central Electricity Authority, in the online presence of Bidders' representatives who wish to attend:

Opening of Envelope (Technical Bid): 1530 hours (IST) on 28.05.2025

or such other dates as may be intimated by BPC to the Bidders.

In the event of any of above dates falling on a day which is not a working day or which is a public holiday, then the bids shall be opened on the next working day at the same venue and time.

Opening of Initial Offer: Initial Offer shall be opened by the Bid Opening Committee in presence of the Bid Evaluation Committee at 1530 hours (IST) on 09.06.2025 in the office of CEA.

2.13.2. The following information from each Bid will be read out to all the Bidders at the time of opening of Technical Bid:

- • Name of the Bidding Company / Consortium Members in case of Bidding Consortium.

Information to be provided after opening of Initial Offer:

Only the lowest Initial Offer (s) shall be communicated to all the Qualified Bidders to participate in the e-reverse bidding process. During the e-reverse bidding process only the lowest prevailing bid should be visible to all the bidders on the electronic platform.

2.14 Enquiries

Written clarifications on the RFP and other RFP Project Documents as per Clause 2.3 and 2.4 may be sought from:

Chief Executive Officer,
REC Power Development and Consultancy Limited
(A wholly owned subsidiary of REC Limited)
REC Corporate Head Quarter,
D Block, Plot No. I – 4,
Sec – 29 Gurugram – 122 001
Email: anilkperala@recpdcl.in & tbcb@recpdcl.in

2.15 Other Aspects

2.15.1. The draft of the Transmission Service Agreement has been attached to this RFP. In addition to above, the following documents have also been attached to this RFP:

a) Share Purchase Agreement

When the drafts of the above RFP Project Documents are provided by the BPC, these RFP Project Documents shall form part of this RFP as per Formats – 1 & 2 of Annexure 20.

Upon finalization of the RFP Project Documents after incorporating the amendments envisaged in Clause 2.4 of this RFP, all the finalized RFP Project Documents shall be provided by BPC to the Bidders at least fifteen (15) days prior to the Bid Deadline.

The Transmission Service Agreement and Share Purchase Agreement shall be signed in required number of originals so as to ensure that one (1) original is retained by each party to the Agreement(s) on the date of transfer of SPV.

2.15.2. Within ten (10) days of the issue of the Letter of Intent, the Selected Bidder shall:

a) provide the Contract Performance Guarantee in favour of the Nodal Agency as per the provisions of Clause 2.12;

b) execute the Share Purchase Agreement and the Transmission Service Agreement;

c) acquire, for the Acquisition Price, one hundred percent (100%) equity shareholding of …… (Insert the name of SPV) from REC Power Development and Consultancy Limited, who shall sell to the Selected Bidder, the equity shareholding of …… (Insert the name of SPV), along with all its related assets and liabilities;

Stamp duties payable on purchase of one hundred percent (100%) of the equity shareholding of …… (Insert the name of SPV), along with all its related assets and liabilities, shall also be borne by the Selected Bidder.

Provided further that, if for any reason attributable to the BPC, the above activities are not completed by the Selected Bidder within the above period of ten (10) days as mentioned in this Clause, such period of ten (10) days shall be extended, on a day for day basis till the end of the Bid validity period.

2.15.3. After the date of acquisition of the equity shareholding of …… (Insert the name of SPV), along with all its related assets and liabilities, by the Selected Bidder,

i. the authority of the BPC in respect of this Bid Process shall forthwith cease and any actions to be taken thereafter will be undertaken by the Nodal Agency,

ii. all rights and obligations of …… (Insert the name of SPV), shall be of the TSP,

iii. any decisions taken by the BPC prior to the Effective Date shall continue to be binding on the Nodal Agency and

iv. contractual obligations undertaken by the BPC shall continue to be fulfilled by the TSP.

v. Further, the TSP shall execute the Agreement(s) required, if any, under Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations as amended from time to time.

2.15.4. Within five (5) working days of the issue of the acquisition of the SPV by the Successful Bidder, the TSP shall apply to the Commission for grant of Transmission License and make an application to the Commission for the adoption of Transmission Charges, as required under Section – 63 of The Electricity Act 2003.

2.15.5. If the Selected Bidder / TSP fails or refuses to comply with any of its obligations under Clauses 2.15.2, 2.15.3 and 2.15.4, and provided that the other parties are willing to execute the Share Purchase Agreement and REC Power Development and Consultancy Limited is willing to sell the entire equity shareholding of …… (Insert the name of SPV), along with all its related assets and liabilities, to the Selected Bidder, such failure or refusal on the part of the Selected Bidder shall constitute sufficient grounds for cancellation of the Letter of Intent. In such cases, the BPC / its authorized representative(s) shall be entitled to invoke the Bid Bond of the Selected Bidder.

2.15.6. If the TSP fails to obtain the Transmission License from the Commission, it will constitute sufficient grounds for annulment of award of the Project.

2.15.7. The annulment of award, as provided in Clauses 2.15.5 and 2.15.6 of this RFP, will be done by the Government on the recommendations of National Committee on Transmission. However, before recommending so, National Committee on Transmission will give an opportunity to the Selected Bidder / TSP to present their view point.

2.15.8. The annulment of the award, under Clause 2.15.5 or 2.15.6 of this RFP, shall be sufficient grounds for blacklisting the bidder, whose award has been annulled, for a period of five years or more, as decided by the National Committee on Transmission, provided that the blacklisting shall be done only after giving the bidder an opportunity for showing cause.

2.16 Confidentiality

2.16.1. The parties undertake to hold in confidence this RFP and RFP Project Documents and not to disclose the terms and conditions of the transaction contemplated hereby to third parties, except:

a) to their professional advisors;

b) to their officers, contractors, employees, agents or representatives, financiers, who need to have access to such information for the proper performance of their activities;

c) disclosures required under Law, without the prior written consent of the other parties of the concerned agreements.

Provided that the TSP agrees and acknowledges that the Nodal Agency may at any time, disclose the terms and conditions of the RFP and RFP Project Documents to any person, to the extent stipulated under the Law or the Bidding Guidelines.

2.17 Right of the BPC to reject any Bid

BPC reserves the right to reject all or any of the Bids/ or cancel the RFP without assigning any reasons whatsoever and without any liability.

2.18 Non submission and/or submission of incomplete data/ information required under the provisions of RFP shall not be construed as waiver on the part of BPC of the obligation of the Bidder to furnish the said data / information unless the waiver is in writing.

2.19 Fraudulent and Corrupt Practices

2.19.1. The Bidders and their respective officers, employees, agents and advisers shall observe the highest standard of ethics during the Bid process and subsequent to the issue of the LoI Notwithstanding anything to the contrary contained herein, or in the LoI, the BPC shall reject a Bid, withdraw the LoI, as the case may be, without being liable in any manner whatsoever to the Bidder, if it determines that the Bidder has, directly or indirectly or through an agent, engaged in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice in the Bid process. In such an event, the BPC shall forfeit the Bid Bond, without prejudice to any other right or remedy that may be available to the BPC hereunder or otherwise.

2.19.2. Without prejudice to the rights of the BPC under Clause 2.19.1 hereinabove and the

rights and remedies which the BPC may have under the LoI, if a Bidder is found by the BPC to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice during the Bid process, or after the issue of the LoI, such Bidder & its Affiliates shall not be eligible to participate in any tender or RFP issued by any BPC for an indefinite period from the date such Bidder is found by the BPC to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practices, as the case may be.

2.19.3. For the purposes of this Clause 2.19, the following terms shall have the meaning hereinafter respectively assigned to them:

a) **"corrupt practice"** means (i) the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the actions of any person connected with the Bid process (for avoidance of doubt, offering of employment to or employing or engaging in any manner whatsoever, directly or indirectly, any official of the BPC who is or has been associated or dealt in any manner, directly or indirectly with the Bid process or the LoI or has dealt with matters concerning the Transmission Service Agreement or arising there from, before or after the execution thereof, at any time prior to the expiry of one year from the date such official resigns or retires from or otherwise ceases to be in the service of the BPC, shall be deemed to constitute influencing the actions of a person connected with the Bid Process); or (ii) engaging in any manner whatsoever, whether during the Bid Process or after the issue of the LoI or after the execution of the Transmission Service Agreement, as the case may be, any person in respect of any matter relating to the Project or the LoI or the Transmission Service Agreement, who at any time has been or is a legal, financial or technical adviser of the BPC in relation to any matter concerning the Project;

b) **"Fraudulent practice"** means a misrepresentation or omission of facts or suppression of facts or disclosure of incomplete facts, in order to influence the Bid process;

c) "Coercive practice" means impairing or harming, or threatening to impair or harm, directly or indirectly, any person or property to influence any person's participation or action in the Bid process;

d) "undesirable practice" means (i) establishing contact with any person connected with or employed or engaged by the BPC with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the Bid process; or (ii) having a Conflict of Interest; and

e) "Restrictive practice" means forming a cartel or arriving at any understanding or arrangement among Bidders with the objective of restricting or manipulating a full and fair competition in the Bid process.

SECTION - 3

EVALUATION OF THE TECHNICAL AND FINANCIAL BID

SECTION 3

1. EVALUATION OF BID

3.1. The evaluation process of Technical Bid comprises the following five steps:

Step I – Responsiveness check
Step II- Compliance with submission requirements
Step III– Evaluation of Technical Bids
Step IV– Evaluation of Financial Bids
Step V – Bidder Selection

3.2. STEP I – Responsiveness check

The Technical Bid submitted by the Bidder shall be initially scrutinized to establish "Responsiveness". Subject to clause 2.5.6 (k), any of the following conditions shall cause the Technical Bid to be "Non-responsive":

a) Technical Bid that are incomplete.

b) Technical Bid not signed by authorized signatory and / or stamped in the manner indicated in this RFP.

c) All pages of the Technical Bid submitted but not initialed by the authorized signatories on behalf of the Bidder.

d) Technical Bid not including the covering letter as per Annexure 1.

e) Technical Bid submitted by a Bidding Consortium not including the Consortium Agreement.

f) Technical Bid contains material inconsistencies in the information and documents submitted by the Bidder, affecting the Qualification Requirements.

g) Bidder submitting or participating in more than one Bid either as a Bidding Company or as a Member of Bidding Consortium.

h) More than one Member of the Bidding Consortium or a Bidding Company using the credentials of the same Parent/Affiliate.

i) Information not submitted in formats specified in the RFP.

j) Applicable Board resolutions, or any other document, as provided in Clause 2.5.2, not being submitted;

k) Bid not accompanied by a valid Bid Bond ~~or Bid Security Declaration, as applicable~~;

l) Non submission of power of attorney, supported by a Board resolution;

m) Bid validity being less than that required as per Clause 2.8 of this RFP;

n) Bid not containing Format-1 (Bidders' Undertakings) of Annexure-8;

o) Bidder having Conflict of Interest

p) The Bidder has not submitted a disclosure as per Annexure 13.

q) Bidders delaying in submission of additional information or clarifications sought by the BPC.

r) If the Bidder makes any misrepresentation as specified in Clause 3.7.

s) Bid being conditional in nature.

t) More than one Member of the Bidding Consortium or a Bidding Company using the credentials of the same Parent/Affiliate.

3.3. STEP II - Compliance with submission requirements

Each Bidder's Technical Bid shall be checked for compliance with the submission requirements set forth in this RFP before the evaluation of Technical Bid is taken up. Annexure 16 and Annexure 11A shall be used to check whether each Bidder meets the stipulated requirements.

3.4. STEP III -Evaluation of Technical Bid

Evaluation of Technical Bid will be carried out considering the information and documents furnished by the Bidders as required under this RFP. This step would involve technical and financial evaluation of the details/ documents furnished by the Bidding Company / Bidding Consortium in support of meeting the Qualification Requirements

3.4.1. Interpolation of financial data.

For the Qualification Requirements data provided by the Bidders in foreign currency, equivalent rupees of Networth will be calculated using bills selling exchange rates (card rate) USD/INR of State Bank of India prevailing on the date of closing of the accounts for the respective financial year as certified by their Banker.

For the purpose of calculating the aggregate capital expenditure/construction experience of the projects completed/ commissioned where such projects are executed outside India and capital expenditure is denominated in foreign currency, bills selling exchange rates (card rate) USD/INR of State Bank of India prevailing on the date of closing of the financial year in which the projects were completed and as certified by their Banker shall be considered.

For the projects executed in the current financial year bills selling (card rate) USD/INR of State Bank of India prevailing on seven (7) days prior to the last date of submission of Technical Bid and as certified by their Banker shall be considered.

For currency other than USD, Bidders shall convert such currency into USD as per the exchange rates certified by their Banker prevailing on the relevant date and used for such conversion. Such Bidders shall submit necessary certification from their Banker for the exchange rate used in the conversation.

If the exchange rate for any of the above dates is not available, the rate for the immediately available previous day shall be taken into account.

3.4.2. Bidders meeting the Qualification Requirements, subject to evaluation as specified in Clauses 3.2 to 3.4 shall be declared as Qualified Bidders and eligible for opening of Initial Offer.

3.4.3. The BPC shall upload the list of all Qualified Bidders and Non-Qualified Bidders on the bidding portal along with the reasons for non-qualification.

3.5. STEP IV - Evaluation of Financial Bids

3.5.1. The Bids which have been found Qualified by the BPC, based on the Steps I to III as specified above in Clauses 3.2.to 3.4, shall be opened and Quoted Transmission Charges of such Initial Offer shall be ranked on the basis of the ascending Initial Offer submitted by each Qualified Bidder.

Based on such ranking of the Qualified Bidders, in the first fifty per cent of the ranking (with any fraction rounded off to higher integer) or four Qualified Bidders, whichever is higher, shall qualify for participating in the electronic reverse auction.

Provided however, in case only one Bidder remains after the Evaluation of Technical Bid (Steps 1 to III) as per Clause 3.2 to 3.4, the Initial Offer of such Bidder shall not be opened and the matter shall be referred to the Government.

Provided that in the event the number of Qualified Bidders is between two and four, then each of the responsive Bidder shall be considered as Qualified Bidders.

Provided that in the event of identical Quoted Transmission Charges discovered from the Initial Offer having been submitted by one or more Bidders, all such Bidders shall be assigned the same rank for the purposes of determination of Qualified Bidders. In such cases, all Qualified Bidders who shares the same rank till 50% of the rank (with any faction rounded off to higher integer) determined above, shall qualify to participate in the electronic reverse auction stage. In case 50% of the rank is having less than four (4) Bidders and the rank of the fourth (4th) Bidder is shared by more than one Bidder, then all such all such Bidders who share the rank of the fourth Bidder shall qualify to participate in the electronic reverse auction.

3.5.2. The Financial Bids comprising of both Initial Offer and Final Offer submitted by the Bidders shall be scrutinized to ensure conformity with the provisions of Clause 2.5.3 of this RFP. Any Bid not meeting any of the requirements as per Clause 2.5.3 of this RFP may cause the Bid to be considered "Non-responsive", at the sole decision of the BPC. Financial Bid not in conformity with the requirement of SI. No. (c) of Clause 2.5.3 of this RFP shall be rejected.

3.5.3 The Bidders shall quote the single annual Quoted Transmission Charges as specified in the format at Annexure – 21.

3.6. STEP V - Bidder Selection

3.6.1. The prevailing lowest Quoted Transmission Charges discovered from Final Offers shall only be displayed during the e-reverse bidding and the Bidder quoting such Final Offer will always remain anonymous during the e-reverse bidding. The Bidder with the prevailing lowest Quoted Transmission Charges discovered from Final Offers at the close of the scheduled or extended period of e-reverse bidding as mentioned in clause 2.5 shall be

declared as the Successful Bidder, subject to verification of the original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure 6 (if applicable) and Annexure 14. The Letter of Intent shall be issued to such Successful Bidder in two (2) copies.

However, if no bid is received during the e-reverse bidding stage then the Bidder with lowest quoted initial transmission charges ("Initial Offer") during e-bidding stage shall be declared as the Successful Bidder, subject to verification of the original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure 6 (if applicable) and Annexure 14. The Letter of Intent shall be issued to such Successful Bidder in two (2) copies.

In case, there is a discrepancy between the online submission and physical documents, the bid would be out rightly rejected and the bidder shall be construed to have engaged in the fraudulent practice as defined in Clause 2.19.3 with consequences as mentioned in Clause 2.19.2. Further, in such a case, the provisions of Clause 2.5.6 (j) shall apply.

3.6.2. The Selected Bidder shall unconditionally accept the LoI, and record on one (1) copy of the LoI, "Accepted unconditionally", under the signature of the authorized signatory of the Successful Bidder and return such copy to the BPC within seven (7) days of issue of LoI.

3.6.3. If the Successful Bidder, to whom the Letter of Intent has been issued, does not fulfill any of the conditions specified in Clauses 2.15.2, 2.15.3 and Clause 2.15.4, then subject to Clause 2.15.5, the BPC reserves the right to annul the award of the Project and cancel the Letter of Intent. Further, in such a case, the provisions of Clause 2.5.6 (j) shall apply.

3.6.4. The BPC, in its own discretion, has the right to reject all Bids if the Quoted Transmission Charges are not aligned to the prevailing prices.

3.7. Misrepresentation by the Bidder

If the Bidder conceals any material information or makes a wrong statement or misrepresents facts or makes a misleading statement in the Technical Bid or Bid, as the case may be, in any manner whatsoever, in order to create circumstances for the acceptance of its Technical Bid/Bid, the BPC reserves the right to reject such Technical Bid/Bid, and/ or cancel the Letter of Intent, if issued. Further, in case Letter of Intent is cancelled, consequences as per provisions of the RFP shall follow.

3.8. Disposition of Technical Bid

3.8.1. Technical Bid found to be Non-responsive as per Clause **3.2,** due to any of the following conditions, shall be liable for rejection.

- Technical Bid that is incomplete.
- Technical Bid not signed by authorized signatory and / or stamped in the manner indicated in this RFP.
- All pages of the Technical Bid submitted but not initialed by the authorized signatories on behalf of the Bidder.
- Technical Bid not including the covering letter as per Annexure 1.
- Technical Bid contains material inconsistencies in the information and documents submitted by the Bidder, affecting the Qualification Requirements.
- Information not submitted in formats specified in the RFP.
- The Bidder has not submitted a disclosure as per Annexure 13**.**
- Bidders delaying in submission of additional information or clarifications sought by the BPC.

3.8.2. Technical Bid found to be Non-responsive as per Clause **3.2,** due to any of the following conditions, shall be rejected.

- Technical Bid not received by the scheduled date and time.
- Technical Bid submitted by a Bidding Consortium not including the Consortium Agreement.
- Bidder submitting or participating in more than one response either as a Bidding Company or as a Member of Bidding Consortium.
- More than one Member of the Bidding Consortium or a Bidding Company using the credentials of the same Parent/Affiliate.
- Technical Bid having Conflict of Interest.
- If the Bidder makes any misrepresentation as specified in Clause **3.7.**

3.9. BPC reserves the right to interpret the Bid in accordance with the provisions of this RFP document and make its own judgment regarding the interpretation of the same. In this regard, BPC shall have no liability towards any Bidder and no Bidder shall have any recourse to BPC with respect to the qualification process.

BPC shall evaluate Bid using the process specified in Clause 3.1 to 3.6, at its sole discretion. BPC's decision in this regard shall be final and binding.

SECTION - 4

ANNEXURES FOR BID

SECTION – 4

I. Formats for Bid

The following formats are required to be included in the Bidder's Technical and Financial Bid. These formats are designed to demonstrate the Bidder's compliance with the Qualification Requirements set forth in Clause 2.1 of Section – 2.

Technical Bid

1. Format for the Covering Letter
2. Format for Letter of Consent from Consortium Members
3. Format for evidence of authorized signatory's authority (Power of Attorney)
4. Format for Power of Attorney from to be provided by each of the other Members of the Consortium in favor of the Lead Member
5. Format for Bidder's composition and ownership structure and Format for Authorization
6. Format for Consortium Agreement
7. Formats for Qualification Requirement
8. Format of Bidders Undertaking and details of Equity Investment
9. Authorization from Parent/Affiliate of Bidding Company/Member of Bidding Consortium whose technical/financial capability has been used by the Bidding Company/Member of Bidding Consortium.
10. Undertaking from the Technically / Financially Evaluated Entity(ies) or from Ultimate Parent Company for equity investment
11. Format of Board Resolutions
12. Format for Illustration of Affiliates
13. Format for Disclosure
14. Format for Bid Bond

~~14A. Format for Bid Security Declaration~~

15. Format for Contract Performance Guarantee
16. Checklist for Technical Bid submission requirements
22. Format for Affidavit

In addition to the online submission, the Bidder with lowest Final Offer will be required to submit original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure 6 (if applicable) and Annexure 14 before issuance of LoI.

Financial Bid

21. Format for Financial Bid

II. The following formats are for the information to the Bidders to enable them to submit their Bid.

11A. Illustration For Applicable Board Resolution Requirements Under Clause 2.5.2
17. List of Banks
18. GRID Map of the Project
19. Format for clarification/amendments on the RFP/RFP Project Documents
20. Formats for RFP Project Documents

Bidder may use additional sheets to submit the information for its detailed Bid.

ANNEXURE 1 - COVERING LETTER

(The covering letter should be on the Letter Head of the Bidding Company/ Lead Member of the Consortium)

Date: ……
From: ……
……
……
Tel. No.: ….....
Fax No.: .....
E-mail address: .....

To,

Chief Executive Officer,
REC Power Development and Consultancy Limited
(A wholly owned subsidiary of REC Limited)
REC Corporate Head Quarter,
D Block, Plot No. I – 4,
Sec – 29 Gurugram – 122 001

Dear Sir,

Sub: **Bid for Selection of Bidder as Transmission Service Provider through tariff based competitive bidding process to establish Inter-State Transmission system for "Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II".**

1. Being duly authorized to present and act on behalf of M/s ……. (insert name of Bidding Company / Bidding Consortium) (hereinafter called the "Bidder") and having read and examined in detail the Request for Proposal (RFP) document, the undersigned hereby submit our Technical Bid with duly signed formats and Financial Bid (Initial Offer) as stipulated in RFP document for your consideration.

2. It is confirmed that our Bid is consistent with all the requirements of submission as stated in the RFP document and subsequent clarifications/amendments as per Clause 2.3 and 2.4 of RFP.

3. The information submitted in our Bid is complete, is strictly as per the requirements stipulated in the RFP document and is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our Bid.

4. We hereby agree and undertake to procure the products associated with the Transmission System as per provisions of Public Procurement (Preference to Make in India) orders issued by Ministry of Power vide orders No. 11/5/2018 - Coord. dated 28.07.2020 for transmission sector, as amended vide order No. A-1/2021-FSC- Part(5) dated 16.11.2021 and No.: P45021/2/2017-PP (BE-II)-Part-4 Vol.II dated 19.07.2024 issued by Ministry of Power for transmission sector, as may be further amended from time to time read with Department for Promotion of Industry and Internal Trade (DPIIT) orders in this regard.

We hereby also agree and undertake to comply with Department of Expenditure, Ministry of Finance revised OM dated 23.02.2023 issued in suppression of Order (Public Procurement No 1) bearing File No. 6/18/2019-PPD dated 23.07.2020, Order (Public Procurement No 2) bearing File No. 6/18/2019-PPD dated 23.07.2020 and Order (Public Procurement No. 3) bearing File No. 6/18/2019-PPD, dated 24.07.2020, Office Memorandum (OM) No. F.18/37/2020-PPD dated 08.02.2021, OM No. F.12/1/2021-PPD(Pt.) dated 02.03.2021, OM No. F.7/10/2021-PPD dated 08.06.2021 and Order (Public Procurement No 4) bearing File No. F.7/10/2021-PPD dated 23.02.2023 as amended from time to time, regarding public procurement from a bidder of a country, which shares land border with India.

5. We hereby agree to comply with Ministry of Power order no. 25-11/6/2018 – PG dated 02.07.2020 as amended from time to time.

6. We are herewith submitting legally binding board resolution for the total equity requirement of the Project.

7. We hereby confirm that in accordance with Clause 2.1.4 of the RFP, we are herewith submitting legally binding undertaking supported by a board resolution from the ……..(Insert name of Technically Evaluated Entity and/or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be) that all the equity investment obligations of …….. (Insert name of the Bidding Company) shall be deemed to be equity investment obligations of the …… (Insert name of Technically Evaluated Entity and/or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be) and in the event of any default by……. (Insert name of the Bidding Company), the same shall be met by ……. (Insert name of Technically Evaluated Entity and/or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be).

[Sl. No 7 to be inserted only in case the Bidder is a Bidding Company / Lead Member of a Consortium and has sought qualification on the basis of technical and financial capability of its Affiliate(s) and/or its Parent]

8. We confirm that there are no litigations or disputes against us, which materially affect our ability to fulfill our obligations with regard to the Project.

9. We hereby confirm that we shall continue to maintain compliance with Qualification Requirements till the execution of the Transmission Service Agreement. Further, in case we emerge as Selected Bidder for the Project, we shall continue to maintain compliance with Qualification Requirements till the COD of the Project.

10. We confirm that we have studied the provisions of relevant Indian laws and regulations required to enable us to build, own, operate and transfer the said Project and to prepare this Bid.

11. We hereby confirm that we shall abide unreservedly with BPC's decision in the qualification process for selection of Qualified Bidder and further warrant that under no circumstances we shall challenge either the BPC's decision or its right to make such decision at any time in the future.

12. We confirm that the Bid shall remain valid for a period of one eighty (180) days from the Bid Deadline.

13. The details of contact person are furnished as under:

Name: ……
Designation: ……
Name of the Company: ……
Address of the Bidder: ……
Phone Nos.: …….
Fax Nos.: …….
E-mail address: …….

14. Bid Bond

We have enclosed a Bid Bond of Rupees ……. Crores (Rs. …….) only or US$ ..... (…….US Dollars), in the form of bank guarantee no……[Insert number of the Bank Guarantee] dated…….[Insert Date of the Bank Guarantee] as per your proforma (Annexure-14) from…….[Insert name of bank providing Bid Bond] and valid up to ……in terms of Clause 2.11 of the RFP.

15. Acceptance

We hereby unconditionally and irrevocably agree and accept that the decision made by the BPC on any matter regarding or arising out of the RFP shall be binding on us. We hereby expressly waive any and all claims in respect of Bid process.

16. Familiarity With Relevant Indian Laws & Regulations

We confirm that we have studied the provisions of relevant Indian laws and regulations as required to enable us to submit this Bid and execute the RFP Project Documents (other than TSA), in the event of our selection as the TSP. We further undertake and agree that all such factors as mentioned in Clause 2.5.7 of RFP have been fully examined and considered while submitting the Bid.

It is confirmed that our Bid is consistent with all the requirements of submission as stated in the RFP and subsequent communications from BPC.

The information submitted in our Bid is complete, strictly as per the requirements stipulated in the RFP and is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our Bid.

We confirm that we have not taken any deviation so as to be deemed non-responsive with respect to the provisions stipulated at Clause 2.5.1, of this RFP.

Thanking you,

Yours sincerely,

…….
(Name and Signature of the authorized signatory in whose name Power of Attorney/ Board Resolution as per Clause 2.5.2 is issued)

Name: ……

Designation: ……
Address: ……

Date: …….
Place: ……

Company Rubber Stamp

ANNEXURE 2 - LETTER OF CONSENT FROM CONSORTIUM MEMBERS

(On the letter head of each Member of the Consortium including Lead Member)

Date: ……
From: ……
……
……
Tel. No.: ……
Fax No.: ……
E-mail address: ……..

To,

Chief Executive Officer,
REC Power Development and Consultancy Limited
(A wholly owned subsidiary of REC Limited)
REC Corporate Head Quarter,
D Block, Plot No. I – 4,
Sec – 29 Gurugram – 122 001

Dear Sir,

Sub: **Bid for Selection of Bidder as Transmission Service Provider through tariff based competitive bidding process to establish Inter-State Transmission system for "Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II" through tariff based competitive bidding process.**

We, the undersigned Member of …… (Insert name of the Bidding Consortium) have read, examined and understood the RFP document for the short-listing of Bidders as prospective TSP to Selection of Bidder as Transmission Service Provider through tariff based competitive bidding process to establish Inter-State Transmission system for **"Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II"** through tariff based competitive bidding process. We hereby confirm our concurrence with the Bid including in particular the Consortium Agreement submitted by ……. (Insert name of the Lead Member) in response to the RFP document.

We hereby confirm our commitment to participate in the said Bidding Consortium and invest ……. % of the total equity requirement for the Project as per the terms of the Consortium Agreement dated …… and board resolution for such investment commitment is enclosed herewith.

We hereby confirm that in accordance with Clause 2.1.4 of the RFP, we are enclosing legally binding undertaking supported by a board resolution from the ……. (Insert name of Technically Evaluated Entity and / or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be) that all the equity investment obligations of ……. (Insert name of the Member) shall be deemed to be equity investment obligations of the …… (Insert name of Technically Evaluated Entity and / or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be) and in the event of any default by……. (Insert name of the Member), the same shall be met

by……. (Insert name of Technically Evaluated Entity and / or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be). [Insert if applicable]

[To be inserted by the Lead Member only] We are also enclosing legally binding board resolution for the total equity requirement of the Project in case of any breach of any of the equity investment commitment by any of the Consortium Members, in line with the provisions of the Consortium Agreement dated ……. [Bidder to insert date of Consortium Agreement].

The details of contact person are furnished as under:

Name:	…….
Designation:	…….
Name of the Company:	…….
Address:	…….
Phone Nos.:	…….
Fax Nos.:	…….
E-mail address:	…….

Dated the ……. day of ……. of 20…

Thanking you,

Yours faithfully,

……
(Signature)

Name: …….
Designation: …….

(Signature, Name, Designation of Authorized Signatory of Consortium Member and Company's Seal)

ANNEXURE 3 - FORMAT FOR EVIDENCE OF AUTHORIZED SIGNATORY'S AUTHORITY (POWER OF ATTORNEY)

POWER OF ATTORNEY

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution. Foreign companies submitting bids are required to follow the applicable law in their country)

Know all men by these presents, We …….(name and address of the registered office of the Bidder) do hereby constitute, appoint and authorize Mr./Ms……(name and residential address) who is presently employed with us and holding the position of ……. as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our Bid for Selection of Bidder as Transmission Service Provider through tariff based competitive bidding process to establish Inter-State Transmission system for **"Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II"** through tariff based competitive bidding process in the country of India, including signing and submission of all documents related to the Bid, including, undertakings, letters, certificates, acceptances, clarifications, guarantees, etc., making representations to the BPC, and providing information / responses to the BPC, representing us in all matters before the BPC, and generally dealing with the BPC in all matters in connection with our Bid for the said Project till the completion of the bidding process in accordance with the RFP and signing of the Share Purchase Agreement by all the parties thereto.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

All the terms used herein but not defined shall have the meaning ascribed to such terms under the RFP.

For ……. [Insert name of the Bidder on whose behalf PoA is executed]

……..
(Signature)

Name: …….
Designation: …….

Accepted

……..……
(Signature of the Attorney)

Name: …….
Designation: ...……..
Address: .....
.....
(Name, Designation and Address of the Attorney)

Specimen signatures of attorney attested by the Executant

……
(Signature of the Executant)

……..
(Signature of Notary Public)

Place: ……
Date: ……

Notes:

1) To be executed by Bidding Company or the Lead Member, in the case of a Bidding Consortium, as the case maybe.

2) The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required, the same should be under common seal of the executant affixed in accordance with the applicable procedure. Further, the person whose signatures are to be provided on the power of attorney shall be duly authorized by the executant(s) in this regard.

3) Also, wherever required, the executant(s) should submit for verification the extract of the charter documents and documents such as a Board resolution / power of attorney, in favour of the Person executing this power of attorney for delegation of power hereunder on behalf of the executant(s).

4) In case of foreign Bidders, refer to clause 2.5.6 (p)

ANNEXURE 4 - FORMAT FOR POWER OF ATTORNEY TO BE PROVIDED BY EACH OF THE OTHER MEMBERS OF THE CONSORTIUM IN FAVOUR OF THE LEAD MEMBER

POWER OF ATTORNEY

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution. Foreign companies submitting bids are required to follow the applicable law in their country)

KNOW ALL MEN BY THESE PRESENTS THAT M/s……., having its registered office at ……..……., …..,..…and M/s ……..…. having its registered office at ……..….. , (Insert names and registered offices of all Members of the Consortium), the Members of Consortium, have formed a Bidding Consortium named ……. (insert name of the Consortium) (hereinafter called the **"Consortium"**) vide Consortium Agreement dated…….…….. and having agreed to appoint M/s……..… as the Lead Member of the said Consortium do hereby constitute, nominate and appoint M/s…….……..a company incorporated under the laws of …….……and having its Registered / Head Office at ……..…….as our duly constituted lawful Attorney (hereinafter called as **"Lead Member"**) which is one of the Members of the Consortium, to act as the Lead Member and our true and lawful attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to submission of Consortium's Bid for the Project, including signing and submission of the Bid and all documents related to the Bid, including, undertakings, letters, certificates, acceptances, clarifications, guarantees, etc, making representations to the BPC, and providing information / responses to the BPC, representing us and the Consortium in all matters before the BPC, and generally dealing with the BPC in all matters in connection with our Bid for the said Project, till completion of the bidding process in accordance with the RFP and signing of the Share Purchase Agreement by all the parties thereto.

It is expressly understood that in the event of the Consortium being selected as Successful Bidder, this Power of Attorney shall remain valid, binding and irrevocable until the Bidding Consortium achieves execution of all RFP Project Documents.

We, as the Member of the Consortium, agree and undertake to ratify and confirm all whatsoever the said Attorney/Lead Member has done on behalf of the Consortium Members pursuant to this Power of Attorney and the same shall bind us and deemed to have been done by us.

All the terms used herein but not defined shall have the meaning ascribed to such terms under the RFP.

IN WITNESS WHEREOF M/s ……., as the Member of the Consortium have executed these presents on this…….. day of .....

For and on behalf of
Consortium Member

……
(Signature of the Authorized Signatory)

Name: ……

Designation: ..……....
Place: ……
Date: ……..

Name: ……
Designation: ..……....
Place: ……
Date: ……..

Accepted
Specimen signatures of attorney attested

…….
(Signature)

……

……

(Signature of Notary Public)
……

(Name, Designation and Address of the Attorney)

Place: ……
Date: …….

Notes:

1. The mode of execution of the power of attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required, the same should be under common seal of the executant affixed in accordance with the applicable procedure. Further, the person whose signatures are to be provided on the power of attorney shall be duly authorized by the executant(s) in this regard.

2. Also, wherever required, the executant(s) should submit for verification the extract of the charter documents and documents such as a Board resolution / power of attorney, in favour of the Person executing this power of attorney for delegation of power hereunder on behalf of the executant(s).

3. In case of foreign Bidders, refer to clause 2.5.6 (p)

ANNEXURE 5 - FORMAT FOR BIDDER'S COMPOSITION AND OWNERSHIP STRUCTURE

1. Corporate Details:

Please provide the following information for the Bidder. If the Bidder is a Consortium, please provide this information for each Member including the Lead Member:

a. Company's Name, Address, and Nationality:

Name: ……

Address: ……
……
……

Website Address: ……..

Country of Origin: ……

b. Year Organized: ……..

c. Company's Business Activities: …….
.....

d. Status as a Bidder:

i. Bidding Company
ii. Lead Member of the Bidding Consortium
iii. Member of the Bidding Consortium

Note: tick the applicable serial number

e. Company's Local Address in India (if applicable):

…….
…….
…….

f. Name of the Authorized Signatory: .....

g. Telephone Number: …….

h. Email Address: …….

i. Telefax Number: …….

j. Please provide the following documents:

i. Copy of the Memorandum and Articles of Association and certificate of incorporation or other equivalent organizational document (as applicable), including their amendments, certified by the Company Secretary as **Attachment 1** for Bidding Company / each Member of Bidding Consortium including Lead Member.

ii. Authority letter (as per format for authorization given below) in favour of BPC from the Bidder/every Member of the Consortium authorizing BPC to seek reference from their respective bankers & others as **Attachment 2** as per Clause 2.1.6 of the RFP.

2. Details of Ownership Structure:

Equity holding of Bidding Company/ each Member of Bidding Consortium including Lead Member owning 10% or more of total paid up equity.

Name of the Bidding Company / Consortium Member: …….

Status of equity holding as on ……

Name of the Equity Holder	Type and No. of Shares owned	Extent of Voting Control (%)
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
....		

Notes:

1. The above table is to be filled in separately for each Consortium Member.
2. Status of equity holding should be provided not earlier than thirty (30) days prior to Bid Deadline.

For and on behalf of Bidding Company / Lead Member of the Bidding Consortium
M/s…….

……..
(Signature of authorized representative)
Name: ……..
Designation: ……

……..
(Stamp)

Date: ……
Place: ……

FORMAT FOR AUTHORISATION

(In case of Bidding Consortium, to be given separately by each Member)
(On Non – judicial stamp paper duly attested by notary public. Foreign companies submitting bids are required to follow the applicable law in their country)

The undersigned hereby authorize(s) and request(s) all our Bankers, including its subsidiaries and branches, any person, firm, corporation or authority to furnish pertinent information deemed necessary and requested by REC Power Development and Consultancy Limited to verify our Bid for Selection of Bidder as Transmission Service Provider through tariff based competitive bidding process to establish Inter-State Transmission system for **"Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II"** through tariff based competitive bidding process or regarding our project development experience, financial standing and general reputation.

For and on behalf of M/s……. (Insert Name of Bidding Company or Member of the Consortium)

.....
(Signature)

Name of Authorized Signatory: …….

(Signature and Name of the authorized signatory of the Company)

Place: ……
Date: ……

……..
(Company rubber stamp/seal)

…….
(Signature of Notary Public)

Place: ……
Date: ……

ANNEXURE 6 - FORMAT FOR CONSORTIUM AGREEMENT

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution. Foreign companies submitting bids are required to follow the applicable law in their country)

THIS CONSORTIUM AGREEMENT executed on this..... day of .....Two thousand.....between M/s....., a company incorporated under the laws of ..... and having its Registered Office at ..... (hereinafter called the "Party 1", which expression shall include its successors, executors and permitted assigns) and M/s.....a Company incorporated under the laws of ..... and having its Registered Office at ..... (hereinafter called the "Party n", which expression shall include its successors, executors and permitted assigns) and for the purpose of submitting the Bid, acquisition of …… (Insert the name of SPV) (in case of award) and entering into other Agreement(s) as specified in the RFP (hereinafter referred to as "Agreements") as may be entered into with the Nodal Agency.

WHEREAS, the BPC had invited Bid in response to RFP issued to …… (insert the name of purchaser of RFP) for Selection of Bidder as Transmission Service Provider through tariff based competitive bidding process to establish Inter-State Transmission system for **"Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II"**.

AND WHEREAS, Clause 2.2.4 of the RFP document stipulates that the Bidders qualifying on the strength of a Bidding Consortium will have to submit a legally enforceable Consortium Agreement in a format specified in the RFP document wherein the Consortium Members have to commit equity of a specific percentage in the Project.

AND WHEREAS, Clause 2.2.4 of the RFP document also stipulates that the Bidding Consortium shall provide along with the Bid, a Consortium Agreement as per prescribed format whereby the Consortium Members undertake to be liable for raising the required funds for its respective equity investment commitment as specified in Consortium Agreement.

NOW THEREFORE, THIS INDENTURE WITNESSTH AS UNDER:

In consideration of the above premises and agreement all the parties in this Consortium do hereby mutually agree as follows:

1. In consideration of the selection of the Consortium as the selected bidder by the BPC, we the Members of the Consortium and parties to the Consortium Agreement do hereby unequivocally agree that M/s..... (Insert name of the Lead Member), shall act as the Lead Member as defined in the RFP for self and agent for and on behalf of ……., ..., ..., ... (the names of all the other Members of the Consortium to be filled in here).

2. The Lead Member is hereby authorized by the Members of Consortium and parties to the Consortium Agreement to bind the Consortium and receive instructions for and on behalf of the Members.

3. Notwithstanding anything contrary contained in this Consortium Agreement, the Lead Member shall always be liable for the equity investment obligations of all the Consortium Members, i.e., for both its own equity contribution as well as the equity contribution of other Members.

4. The Lead Member shall be liable and responsible for ensuring the individual and collective commitment of each of the Members of the Consortium in discharging all their respective equity obligations. Each Consortium Member further undertakes to be individually liable for the performance of its part of the obligations without in any way limiting the scope of collective liability envisaged in this agreement.

5. Subject to the terms of this agreement, the share of each Member of the Consortium in the "issued equity share capital of the project company" shall be in the following proportion: (if applicable)

Name	Percentage of equity holding in the Project
Party 1	……..
……..	……..
Party n	……..
Total	**100%**

[**Note:** The percentage equity holding for any Consortium Member in the Project cannot be zero in the above table]

6. The Lead Member shall inter alia undertake full responsibility for liaising with lenders and mobilizing debt resources for the Project and achieving financial closure.

7. In case of any breach of any of the equity investment commitment by any of the Consortium Members, the Lead Member shall be liable for the consequences thereof.

8. Except as specified in the Agreement, it is agreed that sharing of responsibilities as aforesaid and equity investment obligations thereto shall not in any way be a limitation of responsibility of the Lead Member under these presents.

9. It is further specifically agreed that the financial liability for equity contribution of Lead Member shall, not be limited in any way so as to restrict or limit its liabilities. The Lead Member shall be liable irrespective of their scope of work or financial commitments.

10. It is expressly understood and agreed between the Members that the responsibilities and obligations of each of the Members shall be as delineated as annexed hereto as **Appendix-I,** forming integral part of this Agreement. It is further agreed by the Members that the above sharing of responsibilities and obligations shall not in any way be a limitation of joint and several responsibilities and liabilities of the Members, with regards to all matters relating to the Project.

11. It is clearly agreed that the Lead Member shall ensure performance under the Agreements and if one or more Consortium Members fail to perform its /their respective obligations under the Agreement(s), the same shall be deemed to be a default by all the Consortium Members.

12. This Consortium Agreement shall be construed and interpreted in accordance with the Laws of India and courts at **Delhi** alone shall have the exclusive jurisdiction in all matters relating thereto and arising there under.

13. It is hereby agreed that, the Lead Member shall furnish the bid bond, as stipulated in the RFP, on behalf of the Consortium Members.

14. It is hereby agreed that in case of selection of Bidding Consortium as the selected bidder, the parties to this Consortium Agreement do hereby agree that they shall furnish the contract performance guarantee on behalf of the TSP in favor of the Nodal Agency, as stipulated in the RFP and Transmission Service Agreement.

15. It is further expressly agreed that the Consortium Agreement shall be irrevocable and shall form an integral part of the RFP Project Document and shall remain valid till the execution of the Share Purchase Agreement, unless expressly agreed to the contrary by the Nodal Agency. Over the term of the Transmission Service Agreement, Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations as amended from time to time shall apply on the Consortium Members.

16. The Lead Member is authorized and shall be fully responsible for the accuracy and veracity of the representations and information submitted by the Consortium Members respectively from time to time in response to the RFP and for the purposes of the Project.

17. It is hereby expressly agreed between the parties to this Consortium Agreement that neither party shall assign or delegate its rights, duties or obligations under this Agreement except with the prior written consent of the Nodal Agency.

THIS CONSORTIUM AGREEMENT:

a. has been duly executed and delivered on behalf of each party hereto and constitutes the legal, valid, binding and enforceable obligation of each such party,

b. sets forth the entire understanding of the parties hereto with respect to the subject matter hereof;

c. may not be amended or modified except in writing signed by each of the parties and with prior written consent of the Nodal Agency.

IN WITNESS WHEREOF, the parties to the Consortium Agreement have, through their authorized representatives, executed these present on the Day, Month and Year first mentioned above.

For and on behalf of Consortium Member 1 (Party 1)
M/s…….

.....
(Signature of authorized signatory)

Name: …….
Designation: .....…….

Place: ……..
Date: ……

For and on behalf of Consortium Member n (Party n)
M/s…….

.....
(Signature of authorized signatory)

Name: ……
Designation: .....……...
Place: …….
Date: ……...

Attested:
……..
(Signature)
(Notary Public)

Place: …….
Date: …….

Note: In case of foreign Bidders, refer to clause 2.5.6 (p)

Appendix 1 to the Consortium Agreement:

Name of the Consortium Member	Responsibilities under the Consortium Agreement
M/s …… (Party 1)	
M/s ……	
M/s …… (Party n)	

ANNEXURE 7 A - FORMAT FOR QUALIFICATION REQUIREMENT

A. NET WORTH

To,
Chief Executive Officer,
REC Power Development and Consultancy Limited
(A wholly owned subsidiary of REC Limited)
REC Corporate Head Quarter,
D Block, Plot No. I – 4,
Sec – 29 Gurugram – 122 001

Dear Sir,

Sub: Bid for Selection of Bidder as Transmission Service Provider through tariff based competitive bidding process to establish Inter-State Transmission system for "Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II" through tariff based competitive bidding process

1. [Note: Applicable in case of Bidding Company]

We certify that the Financially Evaluated Entity(ies) had a Networth of Rs. …… Crore or equivalent USD* computed as per instructions in this RFP based on unconsolidated audited annual accounts (refer Note-2 below) of any of the last three (3) financial years as provided in Clause 2.2.3, immediately preceding the Bid Deadline. Also, the Networth of any of the last three (3) financial years is not negative.

Name of Financially Evaluated Entity(ies)	Relationship with Bidding Company**	Financial Year	Networth (Rs. Crore)
1. ……..			
2. ……..			
3. ……..			
….			
Total Networth			

*Equivalent USD shall be calculated as per provisions of Clause 3.4.1.
** The column for "Relationship with Bidding Company" is to be filled in only in case financial capability of Parent/Affiliate has been used for meeting Qualification Requirements.

2. [Note: Applicable in case of Bidding Consortium]

We certify that the Financially Evaluated Entity(ies) had a minimum Networth of Rs. …….. Crore or equivalent USD* computed as per instructions in the RFP and based on unconsolidated audited annual accounts (refer Note-2 below) of any of the last three (3) financial years as provided in Clause 2.2.3, immediately preceding the Bid Deadline. Also, the Networth of any of the last three (3) financial years is not negative.

Name of Consortium Member	Equity Commitment in the Project (%)	Networth of Member (Rs. Crore)	Networth Requirement to be met by Member in proportion to the Equity Commitment (Rs. Crore)	Whether the Member meets the Networth Requirement
(1)	(2)	(3) (As per table below)	(4)= (2 x Total Networth requirement for the Project)	(5)
1. ……				Yes / No
2. ……				Yes / No
..				Yes / No
Total Networth for financial requirement				

Member – I (Lead Member)

[Note: Similar particulars for each Member of the Consortium is to be furnished, duly certified by the Member's Statutory Auditors]

i. Name of Member: .....

ii. Total Networth requirement: Rs …… Crore

iii. Percentage of equity commitment for the Project by the Member: ……%

iv. Networth requirement for the Member***: Rs. ……. Crore

v. Financial year considered for the Member: …….

Name of Financially Evaluated Entity(ies)	Relationship** with Member of Consortium	Financial Year	Networth (Rs. Crore)
1. …….			
2. …….			
3. …….			
Total Networth			

* Equivalent USD shall be calculated as per provisions of Clause 3.4.1;

** The column for "Relationship with Member of Consortium" is to be filled in only in case the financial capability of Parent / Affiliate has been used for meeting Qualification Requirements;

*** Networth requirement to be met by Member should be in proportion to the equity commitment of the Member for the Project.

Yours faithfully

……
(Signature and name of the authorized signatory of the Company and Stamp)

Name: …….
Date: …….
Place: …….

……
(Signature and Stamp of statutory Auditors of Bidding Company / each Member of Consortium)

Name: …….
Date: …….
Place: …….

Date: …….

Notes:

1. Along with the above format, in a separate sheet, please provide details of computation of Networth of last three (3) financial years duly certified by Statutory Auditor.

2. Audited consolidated annual accounts of the Bidder may be used for the purpose of financial criteria provided the Bidder has at least 26% equity in each company whose accounts are merged in the audited consolidated accounts and provided further that the financial capability of such companies (of which accounts are being merged in the consolidated accounts) shall not be considered again for the purpose of evaluation of the Bid.

3. In case Bidder or a Member of Consortium takes recourse to its Parent/Affiliate for meeting technical / financial requirements, then the financial years considered for such purpose should be same for the Bidder / Member of Consortium and their respective Parent / Affiliate.

ANNEXURE 7B - FORMAT FOR TECHNICAL REQUIREMENT

To,

Chief Executive Officer,
REC Power Development and Consultancy Limited
(A wholly owned subsidiary of REC Limited)
REC Corporate Head Quarter,
D Block, Plot No. I – 4,
Sec – 29 Gurugram – 122 001

Dear Sir,

Sub: Bid for Selection of Bidder as Transmission Service Provider through tariff based competitive bidding process to establish Inter-State Transmission system for "Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II" through tariff based competitive bidding process

1. To be used by Bidder using the development experience in infrastructure sector

We certify that M/s. …….. (Insert name of Technically Evaluated Entity(ies)) have experience of development of projects in the Infrastructure sector in the last five (5) years whose aggregate capital expenditure is Rs. ……. Crore or equivalent USD*. We further certify that the capital expenditure of any single project considered for meeting the technical Qualification Requirement is not less than Rs. …… Crore or equivalent USD*. For this purpose, capital expenditure incurred on projects which have been either wholly completed / commissioned or partly completed projects put under commercial operation and for which operation has commenced till at least seven (7) days prior to the Bid Deadline has been considered.

The project(s) considered for the purpose of technical experience (as per table given below) have been executed and owned to the extent as indicated in the table below (to be atleast twenty – six percent (26%)) by the Bidding Company / Lead Member of the Consortium / our Parent / our Affiliate(s) [strike off whichever is not applicable] on operation of the projects.

This technical requirement has been calculated as per the instructions provided in the RFP on the basis of following projects:

Name of Company (which has executed the project at (3)) whose technical capability has been used for Qualification Requirement	Relationship** with Bidding Company / Lead Member	Project name	Nature of Project (BOOT, BOT, BOOM, DBFOT etc.)	Relevant Infrastructure sector	Date of Financial Closure of the Project (in DD / MM / YYYY)	Date of Completion / Commissioning / Commercial Operation of partly completed projects	Project cost (Rs. Crore)	Percentage Equity Holding of Company at (1) in Completed project(s)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
……		……. (Project 1)						
……		…….						
Total (Rs. Crore)								

* Equivalent USD shall be calculated as per provisions of Clause ____

** The column for "Relationship with Bidding Company / Lead Member" is to be filled in only in case technical capability of Parent/Affiliate has been used for meeting Qualification Requirements.

We further certify that the Company(ies) as indicated in column (1) of the above table, whose technical capability has / have been used for meeting the qualification requirement, has / have held shareholding respectively of atleast twenty – six percent (26%) from the date of financial closure till the date of commissioning / completion of the above project(s).

2. To be used by Bidder using construction experience in infrastructure sector.

We certify that M/s. …….. (Insert name of Technically Evaluated Entity(ies)) have received aggregate payments not less than Rs. ……. Crore or equivalent USD (calculated as per provisions in Clause 3.4.1) from its client(s) for construction works fully completed during the last 5(five) financial years. We further certify that the payment received from each project shall not be less than Rs. ……. Crore or equivalent USD (calculated as per provisions in Clause 3.4.1). For this purpose, payments received on projects that have been commissioned/completed at least seven (7) days prior to the Bid Deadline shall be considered. Further only the payments (gross) actually received, during such 5 (five) financial years shall qualify for purposes of computing the technical capacity.

We also confirm that construction works does not include cost of land supply of goods or equipment except when such goods or equipment form part of a turn-key construction contract/ EPC contract for the project.

This technical requirement has been calculated as per the instructions provided in the RFP on the basis of following projects:

Name of Company (which has executed the project at (3)) whose technical capability has been used for Qualification Requirement	Relationship** with Bidding Company / Lead Member	Project name	Nature of Project (EPC, Turnkey etc)	Relevant Infrastructure sector	Date of award of contract (in dd/mm/yy)	Date of Completion / Commissioning	Payment received (Rs. Crore)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
……		……. Project 1					
……		…….					
……		…….					
	Total (Rs. Crore)						

Yours faithfully

……..

(Signature and name of the authorized signatory of the Company and stamp)

Name: ……..
Date: ……..
Place: ……..

…….
(Signature and Stamp of statutory Auditors of Bidding Company/ Lead Member of Consortium)
Name: ……..
Date: ……..
Place: ……..

Date: …….

Notes:

1. Along with the above format, in a separate sheet, please provide details of computation of capital expenditure of projects duly certified by Statutory Auditor of the project company. In addition, the Statutory Auditor of the project company should also certify that the capital expenditure of projects commissioned or completed 7 days prior to Bid Deadline has been capitalized in the books of accounts.

   Additionally, in case construction experience is used, a certificate(s) from the statutory auditors stating the payments received and the concerned client(s) stating the works commissioned during the past 5 years in respect of the projects specified above. In case a particular job/ contract has been jointly executed by the Bidder (as part of a consortium), it should further support its claim for the share in work done for that particular job/ contract by producing a certificate from its statutory auditor or the client.

2. In case the accounts for the financial year in which the project claimed for meeting qualification requirement has been commissioned are not audited, the Bidder shall give declaration in this regard duly certified by its statutory auditor. In such a case, Bidder shall provide details of computation of capital expenditure of such project(s) duly certified by Statutory Auditor of the project company and the Statutory Auditor of the project company should also certify that the capital expenditure of projects commissioned or completed shall be capitalized in the books of accounts upon finalization.

3. The unconsolidated audited annual accounts of both the TEE and the Bidding Company / Lead Member for the respective financial years (financial years in which financial closure was achieved to the financial year in which the said project was completed / commissioned) should be submitted.

ANNEXURE 7C - FORMAT FOR TECHNICAL & FINANCIAL REQUIREMENT – RELATIONSHIP & DETAILS OF EQUITY SHAREHOLDING

[To be filled by Bidding Company / each Member of the Bidding Consortium including Lead Member if credentials of Parent and / or Affiliates have been used by them]

To,

Chief Executive Officer,
REC Power Development and Consultancy Limited
(A wholly owned subsidiary of REC Limited)
REC Corporate Head Quarter,
D Block, Plot No. I – 4,
Sec – 29 Gurugram – 122 001

Dear Sir,

Sub: Bid for Selection of Bidder as Transmission Service Provider through tariff based competitive bidding process to establish Inter-State Transmission system for "Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II" through tariff based competitive bidding process

We certify that M/s. ……. (insert name of the **Bidding Company / Consortium Members**) have considered the technical and financial capability of its Parent and / or Affiliates, for the purpose of meeting Qualification Requirements as per the instructions provided in the RFP. The name of Parent and / or Affiliate, nature of relationship(s) with such Parent and / or Affiliate and details of equity holding are as follows:

Name of Company whose credentials considered	Type of credentials considered (technical and / or financial)	Relationship with Bidding Company / Consortium Member (Parent / Affiliate)	Details of equity shareholding (refer notes below)
Company 1			
…….			
…….			
…….			
……..			

NOTES:

i. In case of Parent, the equity holding of the Parent in the Bidding Company / Member of the Bidding Consortium, including the Lead Member of the Consortium, need to be specified.

ii. In case of Affiliate under direct control of Bidder, the equity holding of the Bidding Company / Member of the Bidding Consortium, including the Lead Member of the Consortium in the Affiliate, needs to be specified.

iii. In case of Affiliate under common control of Parent, the equity holding of the Parent in the Affiliate of the Bidding Company / Member of the Bidding Consortium, including the Lead Member of the Consortium, needs to be specified.

iv. Relationship of Parent / Affiliate with Bidding Company / Member of Consortium to be at the most seven (7) days prior to the Bid Deadline (as per Clause 2.1.4 of RFP)

Yours faithfully

……
(Signature and name of the authorized signatory of the Company and stamp)

Name: ……
Date: ……
Place: ……

……
(Signature and Stamp of statutory Auditors of Bidding Company / each Member of Bidding Consortium)

Name: ……..
Date: ……..
Place: ……..

ANNEXURE 7D - ADDITIONAL INFORMATION FOR VERIFICATION OF FINANCIAL AND TECHNICAL CAPABILITIES OF BIDDERS.

……
(Name of Bidder (Bidding Company/ Bidding Consortium or Technically/Financially Evaluated Entity(ies))

(Note: In case of Consortium, details to be filled in by Lead Member for each Member of the Consortium including the Lead Member and in case of the qualification requirements of Technically / Financially Evaluated Entity(ies) being used, to be filled by each of such entity(ies)

i. Financial capability (Attachment 1):

1. Bidders shall attach unconsolidated / consolidated audited annual accounts, statements, as the case may be, (refer Clause 2.1.3) for the last three (3) financial years as Attachment 1. Such unconsolidated audited annual accounts shall include a Balance Sheet, Profit and Loss Account, Auditors Report and profit appropriation account.

ii. Technical capability (Attachment 2):

a. This attachment shall include details of projects completed/commissioned or partly completed projects for which commercial operation has commenced to be considered for the purpose of meeting Qualification Requirements.

1. To be used by Bidder using development experience in infrastructure sector

Particulars	Year 1	Year 2	Year 3	Year 4	Year 5
Name(s) of project(s) from Infrastructure sectors					
Location(s) including country(s) where project was set up					
Nature of Project					
Voltage level (if any)					
Capital cost of project(s) Rs. in Crore					
*Status of the project					
% of equity owned in the project(s)					

***Note 1:** Date of completion/commissioning/commercial operation to be mentioned

Note 2: For each project listed in the table, the Bidder shall furnish an executive summary including the following information:

- Project model, i.e., BOO, BOOT, BOOM;
- Debt financing and equity raised and provided by Bidder/Bidder's Parent/Bidder's Affiliate for the project, including names of lenders and investors;
- Size and type of installation;
- Technical data/information on major equipment installed

- Description of role performed by the Bidder/Bidder's Parent/Bidder's Affiliate on the project
- Clearances taken by the Bidder/Bidder's Parent/Bidder's Affiliate including but limited to right-of-way (RoW), forest clearance and other statutory / Govt. clearances.
- Cost data (breakdown of major components)
- Name of EPC and/or other major contractor
- Construction time for the project
- Names, addresses and contact numbers of owners of the projects
- Operating reliability over the past five (5) years or since date of commercial operation
- Operating environmental compliance history
- Names of supervisory entities or consultant, if any
- Date of commercial operation
- Total duration of operation

2. To be used by Bidder using construction experience in infrastructure sector

Particulars	Year 1	Year 2	Year 3	Year 4	Year 5
Name(s) of project(s) from Infrastructure sectors					
Location(s) including country(s) where project was set up					
Nature of Project					
Voltage level (if any)					
Revenue received Rs. in Crore					
*Status of the project					
% of equity owned in the project(s)					

***Note 1:** Date of completion/commissioning/commercial operation to be mentioned

Note 2: For each project listed in the table, the Bidder shall furnish an executive summary including the following information:

- Project model, i.e., EPC, Turnkey;
- Size and type of installation;
- Technical data/information on major equipment installed
- Description of role performed by the Bidder/Bidder's Parent/Bidder's Affiliate on the project
- Cost data (breakdown of major components)
- Name of sub-contractor
- Construction time for the project
- Names, addresses and contact numbers of owners of the projects
- Operating reliability over the past five (5) years or since date of commercial operation
- Operating environmental compliance history
- Names of supervisory entities or consultant, if any
- Date of commercial operation
- Total duration of operation

iii. Attachment-3:

a. For each project listed in Attachment 2 above, certificates of final acceptance and/or certificates of good operating performance duly issued by owners for the project and the same shall be certified as true by authorized signatory of the Bidding Company or the Lead Member of Consortium). In case the project listed in Attachment 2 is under BOOT / DBFOT mechanism, the certificates of final acceptance and/or certificates of good operating performance must be issued by the authority / independent engineer of the project as defined in the respective project agreement.

For and on behalf of Bidding Company/Consortium

M/s…….

…….
(Signature of authorized signatory)

Name: ……
Designation: ……
Date: ……
Place: ……

ANNEXURE 8 -UNDERTAKING AND DETAILS OF EQUITY INVESTMENT

Format 1: Bidders' Undertakings

[On the Letter Head of the Bidding Company/Lead Member of Bidding Consortium]

Date: .....

To,

Chief Executive Officer,
REC Power Development and Consultancy Limited
(A wholly owned subsidiary of REC Limited)
REC Corporate Head Quarter,
D Block, Plot No. I – 4,
Sec – 29 Gurugram – 122 001

Dear Sir,

Sub: Bidders' Undertakings in respect of Bid for Selection of Bidder as Transmission Service Provider through tariff based competitive bidding process to establish Inter-State Transmission system for "Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II"

We hereby undertake on our own behalf and on behalf of the TSP, that if selected as the Successful Bidder for the Project:

1. The Project shall comply with all the relevant electricity laws, codes, regulations, standards and Prudent Utility Practices, environment laws and relevant technical, operational and safety standards, and we shall execute any agreements that may be required to be executed as per law in this regard.

2. We confirm that the Project shall also comply with the standards and codes as per Clause 1.6.1.2 of the RFP and the TSP shall comply with the provisions contained in the Central Electricity Regulatory Commission Grant of Connectivity, Long-term Access and Medium-term Open Access in inter-state Transmission and related matters Open Access) Regulations, 2009.

3. We give our unconditional acceptance to the RFP dated 24.03.2025 issued by the BPC and the RFP Project Documents, as amended, and undertake to ensure that the TSP shall execute all the RFP Project Documents, as per the provisions of this RFP.

4. We have submitted the Bid on the terms and conditions contained in the RFP and the RFP Project Documents. Further, the Financial Bid submitted by us is strictly as per the format provided in Annexure 21 of the RFP, without mentioning any deviations, conditions, assumptions or notes in the said Annexure.

5. Our Bid is valid up to the period required under Clause 2.8 of the RFP.

6. Our Bid has been duly signed by authorized signatory and stamped in the manner and to the extent indicated in this RFP and the power of attorney / Board resolution in requisite format as per RFP has been enclosed with this undertaking.

7. We have assumed that if we are selected as the Successful Bidder, the provisions of the Consortium Agreement, to the extent and only in relation to equity lock in and our liability thereof shall get modified to give effect to the provisions of Clause 2.5.8 of this RFP and Article 18.1 of the Transmission Service Agreement. ***(Note:*** *This is applicable only in case of a Bidding Consortium)*

8. We confirm that our Bid meets the Scheduled COD of each transmission Element and the Project as specified below:

Sl. No.	**Name of the Transmission Element**	**Scheduled COD**	**Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project**	**Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element**
1.	Creation of New 220 kV Bus Section (3rd) with 220 kV Bus Sectionaliser and 400/220 kV, 3x500 MVA ICT augmentation (7th, 8th & 9th) at Pachora PS terminated on 220 kV Bus Section (3rd)	24 months from effective date as per TSA	5.04%	Elements at sl. no. 1, 2a, 3 and 4 are pre-required for declaring the commercial operation (COD)
2.	**2a**. 3 Nos. 220 kV line bays for RE interconnection on Bus Section (3rd)		0.48%	
	2b. 1 No. 220 kV line bay for RE Interconnection of Purvah Green Power Pvt. Ltd. on Bus Section (3rd)	31.03.2028 (as per start date requested by applicant)	0.16%	Element at sl. No. 2b can be commissioned separately subject to commissioning of elements at sl. no. 1, 2a, 3 and 4.
3.	Pachora PS – Rajgarh(PG) 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) along with associated line bays at both ends and 50 MVAr (Sw LR) on each ckt at both ends	24 months from effective date as per TSA	24.54%	Elements at sl. no. 1, 2a, 3 and 4 are pre-required for declaring the commercial operation (COD)
4.	Installation of 1x125 MVAr, 420 kV bus reactor at Pachora PS (400 kV Bus Section-II)		0.86%	

Sl. No.	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
5.	Creation of New 220 kV Bus Section-II at Neemuch PS with Augmentation of transformation capacity by 3x500 MVA, 400/220 kV ICTs (3rd, 4th and 5th) at Neemuch S/s along with associated bays.		5.04%	All Elements are required for declaring the commercial operation (COD) of the subject scheme
6.	4 Nos. 220 kV Line bays at Neemuch PS for RE interconnection		0.64%	
7.	Neemuch PS – Pachora PS 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) alongassociated Line bays and 50 MVAr Switchable Line Reactor (Sw LR) on each ckt at both ends		26.26%	
8.	Establishment of 2x500 MVA, 400/220 kV S/s at Handiya alongwith 2x125 MVAr 420 kV Bus Reactors		7.41%	
9.	Pachora PS – Handiya 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) along with associated bays at Pachora PS end and 50 MVAr Switchable Line Reactor (Sw LR) on each ckt at both ends		25.55%	
10.	LILO of Khandwa(PG) – Itarsi(PG) 400 kV D/c (Twin Moose) line at Handiya S/s		3.38%	
11.	Installation of 1x125 MVAr, 420 kV bus reactor (2nd) at Neemuch PS		0.64%	

We agree that the payment of Transmission Charges for any Element irrespective of its successful commissioning on or before its Scheduled COD shall only be considered after the

successful commissioning of Element(s) which are pre - required for declaring the commercial operation of such Element as mentioned in the above table.

Scheduled COD for the Project: As per detailed scope.

9. We confirm that our Financial Bid conforms to all the conditions mentioned in this RFP, and in particular, we confirm that:

   a. Financial Bid in the prescribed format of Annexure 21 has been submitted duly signed by the authorized signatory.

   b. Financial Bid is unconditional.

   c. Only one Financial Bid has been submitted.

10. We have neither made any statement nor provided any information in this Bid, which to the best of our knowledge is materially inaccurate or misleading. Further, all the confirmations, declarations and representations made in our Bid are true and accurate. In case this is found to be incorrect after our acquisition of …… (Insert the name of SPV), pursuant to our selection as Selected Bidder, we agree that the same would be treated as a TSP's Event of Default under Transmission Service Agreement, and relevant provisions of Transmission Service Agreement shall apply.

11. We confirm that there are no litigations or other disputes against us which materially affect our ability to fulfill our obligations with regard to the Project as per the terms of RFP Project Documents.

12. Power of attorney/ Board resolution as per Clause 2.5.2 is enclosed.

Signature and name of the authorized signatory of the Company and stamp of Bidding Company or Lead member of Consortium

Note:

1. In case of foreign Bidders, refer to clause 2.5.6 (p)

Format 2: Details of equity investment in Project

1.1.a Name of the Bidding Company/ Bidding Consortium:

1.1.b Name of the Lead Member in the case of a Bidding Consortium:

1.2 Investment details of the Bidding Company/Member of the Bidding Consortium investing in …… (Insert the name of SPV) as per Clause 2.5.8.2.

S. No.	**Name of the Bidding Company/ Member in case of a Bidding Consortium**	**Name of the Company investing in the equity of the** …… (Insert the name of SPV)	**Relationship with Bidding Company /Member of the Bidding Consortium**	**% of equity participation in the** …… (Insert the name of SPV)
(1)	(2)	(3)	(4)	(5)

TOTAL				100%

* In case the Bidder proposes to invest through its Affiliate(s) / Parent Company / Ultimate Parent Company, the Bidder shall declare shareholding pattern of such Affiliate(s) / Parent Company / Ultimate Parent Company and provide documentary evidence to demonstrate relationship between the Bidder and the Affiliate(s) / Parent Company / Ultimate Parent Company. These documentary evidences could be, but not limited to, demat account statement(s) / Registrar of Companies' (ROC) certification / share registry book, etc duly certified by Company Secretary.

Members of the Consortium or the Bidding Company making investment in the equity of the …… (Insert the name of SPV) themselves to fill in their own names in the column (3)

Signature and Name of authorized signatory in whose name power of attorney has been issued

Signature of authorized signatory

Name: …….

Designation: ……...

Date…….

Company rubber stamp

ANNEXURE 9 -AUTHORISATION FROM PARENT / AFFILIATE OF BIDDING COMPANY / MEMBER OF BIDDING CONSORTIUM WHOSE TECHNICAL / FINANCIAL CAPABILITY HAS BEEN USED BY THE BIDDING COMPANY / MEMBER OF BIDDING CONSORTIUM.

[On the Letter Head of the Parent /Affiliate]

Name: …….
Full Address: …….
Telephone No.: ……...
E-mail address: ……...
Fax / No.: ……

To

Chief Executive Officer,
REC Power Development and Consultancy Limited
(A wholly owned subsidiary of REC Limited)
REC Corporate Head Quarter,
D Block, Plot No. I – 4,
Sec – 29 Gurugram – 122 001

Dear Sir,

Sub: Authorization for use of Technical / Financial Capability of M/s……. (Insert name of Parent / Affiliate) by M/s …….. (Insert name of Bidding Company / Member of Bidding Consortium).

We refer to the RFP dated 24.03.2025 ('RFP') issued by you for Selection of Bidder as Transmission Service Provider through tariff based competitive bidding process to establish Inter-State Transmission system for **"Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II"**.

We confirm that M/s. ……. (Insert name of Bidding Company/ Consortium Member) has been authorized by us to use our technical and/or financial capability [strikeout whichever is not applicable] for meeting the Qualification Requirements for Selection of Bidder as Transmission Service Provider through tariff based competitive bidding process to establish Inter-State Transmission system for **"Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II"**.

We have carefully read and examined in detail the RFP including in particular, Clause 2.1.4 of the RFP, and we are also submitting legally binding undertaking supported by a board resolution that all the equity investment obligations of M/s……..…. (Insert Name of Bidding Company / Consortium Member), shall be deemed to be our equity investment obligations and in the event of any default the same shall be met by us.

For and on behalf of M/s……. (Insert Name of Parent / Affiliate)

……
(Signature and Name of the authorized signatory of the Company and stamp)

Name: …….
Date: …….
Place: …….

Notes:

1. The above undertaking can be furnished by Ultimate Parent of Technically Evaluated Entity or Financially Evaluated Entity, as the case maybe, if legally binding undertaking is also furnished by the Ultimate Parent on behalf of such Financially Evaluated Entity/Technically Evaluated Entity.

ANNEXURE 10- FORMAT OF UNDERTAKING BY TECHNICALLY / FINANCIALLY EVALUATED ENTITY / ULTIMATE PARENT COMPANY

[On the Letter Head of the Technically / Financially Evaluated Entity / Ultimate Parent Company]

Name: …….

Full Address: ……

Telephone No.: ……

E-mail address: ……

Fax/No.: ……..

To:

Chief Executive Officer,
REC Power Development and Consultancy Limited
(A wholly owned subsidiary of REC Limited)
REC Corporate Head Quarter,
D Block, Plot No. I – 4,
Sec – 29 Gurugram – 122 001

Sub: <u>Undertaking for equity investment</u>

Dear Sir,

We refer to the Request for Proposal dated 24.03.2025 ('RFP') issued by you regarding setting up for Selection of Bidder as Transmission Service Provider through tariff based competitive bidding process to establish Inter-State Transmission system for **"Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II"** Project on build, own, operate and transfer basis.

We have carefully read and examined in detail the RFP and the RFP Project Documents, including in particular, Clause 2.1.4 of the RFP and Clauses 2.5.2 and 2.5.8 of the RFP, regarding submission of an undertaking regarding the investment in the equity share capital of …… (Insert the name of SPV) and provisions for minimum equity holding and equity lock-in. We have also noted the amount of the equity investment required to be made in …… (Insert the name of SPV) by the …….
[Insert the name of the Bidder or the Consortium Member] for the Project.

In view of the above, we hereby undertake to you and confirm that in the event of failure of ……[Insert the name of the Bidder or the Consortium Member] to invest in full or in part, in the equity share capital of …… (Insert the name of SPV) as specified in the Bid, we shall invest the said amount not invested by……..[Insert the name of the Bidder or the Consortium Member] in …… (Insert the name of SPV) by purchase of existing shares or subscribing to the new shares of …… (Insert the name of SPV), as stipulated by you.

We have attached hereto certified true copy of the Board resolution whereby the Board of Directors of our Company has approved issue of this Undertaking by the Company.

All the terms used herein but not defined, shall have the meaning as ascribed to the said terms under the RFP.

Certified as true.

……..

(Signature and Name of the authorized signatory of the Company and stamp)

Note:

1. Wherever required, extract of the charter documents and documents such as a Board resolution should be submitted for verification.

ANNEXURE 11 - FORMATS FOR BOARD RESOLUTIONS

Format 1
Format of the Board resolution for the Bidding Company / each Member of the Consortium / investing Affiliate / Parent Company / Ultimate Parent Company, where applicable

[Reference Clause 2.5.2 of the RFP and the illustrations in Annexure 11A]

[Note: The following resolution no.1 needs to be passed by the Boards of each of the entity/(ies) making equity investment]

The Board, after discussion, at the duly convened Meeting on …….. [Insert date], with the consent of all the Directors present and in compliance of the provisions of the Companies Act, 1956/2013, passed the following Resolution:

1. RESOLVED THAT pursuant to the provisions of the Companies Act, 1956 / Companies Act 2013 (as the case may be) and compliance thereof and as permitted under the Memorandum and Articles of Association of the company, approval of the Board be and is hereby accorded for investment of…….% (……per cent) of the total equity share capital of …… (Insert the name of SPV) representing the entire amount proposed to be invested by the company for Selection of Bidder as Transmission Service Provider through tariff based competitive bidding process to establish Inter-State Transmission system for **"Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II"**, partly by acquisition of the existing equity shares from .....[Insert the name of the BPC] and / or partly by subscribing to the new equity shares, as per the terms of the RFP.

[Note: Equity investment obligations by the Bidding Company/each Member of the Bidding Consortium/investing Affiliate or Parent or Ultimate Parent should add up to 100%.]

[Note: In the event the Bidder is a Bidding Consortium, the following Board resolution no. 2 also needs to be passed by the Lead Member of the Bidding Consortium]

2. RESOLVED THAT approval of the Board be and is hereby accorded to contribute such further amount over and above the ……. percentage (__%) limit to the extent becoming necessary towards the total equity share in the …… (Insert the name of SPV), obligatory on the part of the company pursuant to the terms and conditions contained in the Consortium Agreement dated ……. executed by the company as per the provisions of the RFP.

[Note: In the event, the investing entity is an Affiliate or Parent or Ultimate Parent of the Bidder, the following Board resolution no. 3 shall also be passed by the Bidder]

3. FURTHER RESOLVED THAT the Board hereby acknowledges the Board Resolution(s) passed by the…….. [Name of the Affiliate(s)/ Parent / Ultimate Parent] regarding the investment of…….(….%) of the equity share capital requirements of …… (Insert the name of SPV), which is to be invested by the …….[Name of the Affiliate(s)/ Parent / Ultimate Parent] for the …… (Insert the name of SPV), partly by acquisition of the existing equity shares from _____[Name of BPC] and partly by subscribing to the new equity shares, as per the terms of the RFP.

[Note: The following resolution no. 4 is to be provided by the Bidding Company / Lead Member of the Consortium only]

4. FURTHER RESOLVED THAT MR/MS ……..be and is hereby authorized to take all the steps required to be taken by the Company for submission of the Bid, including in particular, signing of the Bid, making changes thereto and submitting amended Bid, all the documents related to the Bid, certified copy of this Board resolution or letter or undertakings etc, required to be submitted to BPC as part of the Bid or such other documents as may be necessary in this regard.

Certified True Copy

Company rubber stamp to be affixed

[Notes:

1) This certified true copy should be submitted on the letterhead of the Company, signed by the Company Secretary or any Whole Time Director/ Manager (supported by a specific board resolution) of the Bidding Company or the Lead Member of Consortium.

2) The contents of the format may be suitably re-worded indicating the identity of the entity passing the resolution, i.e., the Bidding Company, each Member of the Bidding Consortium.

3) This format may be modified only to the limited extent required to comply with the local regulations and laws applicable to a foreign entity submitting this resolution. For example, reference to Companies Act 1956 / Companies Act 2013 (as the case may be) may be suitably modified to refer to the law applicable to the entity submitting the resolution. However, in such case, the foreign entity shall submit an unqualified opinion issued by the legal counsel of such foreign entity, stating that the Board resolutions are in compliance with the applicable laws of the respective jurisdictions of the issuing company and the authorizations granted therein are true and valid.]

Format 2

Format for the Board resolution of Technically / Financially Evaluated Entity / Ultimate Parent Company (in case credentials of such TEE/ FEE has been utilized by the Bidding Company or Bidding Consortium)

The Board, after discussion, at the duly convened Meeting on ……. [Insert date], with the consent of all the Directors present and in compliance of the provisions of the Companies Act, 1956 / 2013, passed the following Resolution:

RESOLVED THAT pursuant to the provisions of the Companies Act, 1956 / Companies Act, 2013 (as the case may be) and compliance thereof and as permitted under the Memorandum and Articles of Association of the company, approval of the Board be and is hereby accorded for issuing an Undertaking to the BPC, in the format specified in the RFP issued by the BPC, draft of which is attached hereto and initialed by the Chairman whereby the company undertakes to invest …….percent (.... %) of the total equity share capital of …… (Insert the name of SPV) representing the entire amount proposed to be invested by ……[insert the name of the Bidder or Member] for the said Project, in case of failure of ……[Insert the name of the Bidder or Member] to make such investment".

FURTHER RESOLVED THAT .....,be and is hereby authorized to take all the steps required to be taken by the Company, including in particular, signing the said Undertaking, submitting the same to the BPC through ……[Insert name of Bidding Company/Lead Member of the Consortium] of all the related documents, certified copy of this Board resolution or letter, undertakings etc, required to be submitted to BPC as part of the Bid or such other documents as may be necessary in this regard.

Certified True Copy

Company rubber stamp to be affixed

Note:

1. This certified true copy should be submitted on the letterhead of the Company, signed by the Company Secretary or any Whole-time Director/Manager (supported by a specific board resolution) of Bidding Company or Lead Member of the Consortium.

2. The contents of the format may be suitably re-worded indicating the identity of the entity passing the resolution.

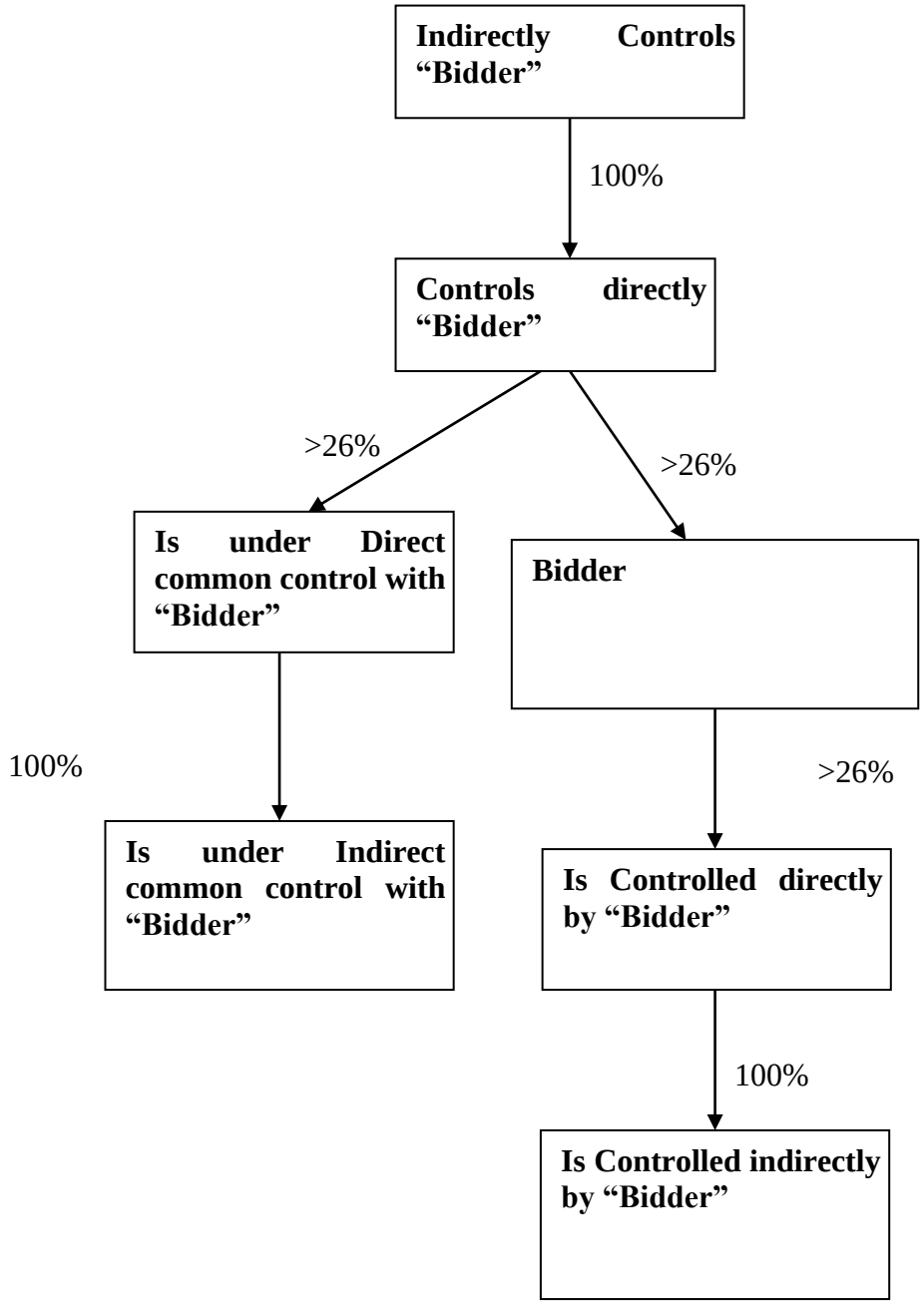
3. This format may be modified only to the limited extent required to comply with the local regulations and laws applicable to a foreign entity submitting this resolution. For example, reference to Companies Act 1956 / Companies Act 2013 (as the case may be) may be suitably modified to refer to the law applicable to the entity submitting the resolution. However, in such case, the foreign entity shall submit an unqualified opinion issued by the legal counsel of such foreign entity, stating that the Board resolutions are in compliance with the applicable laws of the respective jurisdictions of the issuing company and the authorizations granted therein are true and valid.

ANNEXURE 11A – ILLUSTRATION FOR APPLICABLE BOARD RESOLUTION REQUIREMENTS UNDER CLAUSE 2.5.2

Investor in the TSP	Entities (other than Bidder) whose credentials (financial and/or technical) used by the Bidder for meeting RFP criteria	Applicable Board Resolutions	Requirement of Undertaking (Annexure 10)
Bidder himself for 100% equity	None	a) Format 1 of Annexure 11 - Resolution: 1, 2 and 4 from the Bidder	None
Bidder himself for 100% equity	Affiliate and/or Parent Company and/or Ultimate Parent	a) Format 1 of Annexure 11 - Resolution: 1, 2, and 4 from the Bidder b) Format 2 of Annexure 11 by either Technically/ Financially Evaluated Entity(ies) whose credentials have been used, or Ultimate Parent. Provided, if the Bidder himself is the Ultimate Parent, then Format 2 need not be provided.	Yes, by either Technically / Financially Evaluated Entity(ies) Affiliate(s) whose credentials have been used, or Ultimate Parent. Provided, if the Bidder himself is the Ultimate Parent, then the undertaking need not be provided.
Bidder himself + others (Affiliate and/or Parent Company and/or Ultimate Parent) in aggregate holding 100% equity	None	a) Format 1 of Annexure 11 - Resolution: 1,2, 3 and4 from the Bidder. b) Format 1 of Annexure 11 - Resolution: 1 from the Affiliate and /or Parent and /or Ultimate Parent investing in the equity	None
Bidder himself + others (Affiliate and/or Parent Company and/or Ultimate Parent) in aggregate holding 100% equity	Affiliate and/or Parent Company and/or Ultimate Parent	a) Format 1 of Annexure 11 - Resolution: 1,2, 3 and 4 from the Bidder. b) Format 1 of Annexure 11 - Resolution: 1 from the Affiliate and/or Parent and/or Ultimate Parent investing in the equity	Yes, by either Parent/ Affiliate(s) whose credentials have been used, or Ultimate Parent

Investor in the TSP	Entities (other than Bidder) whose credentials (financial and/or technical) used by the Bidder for meeting RFP criteria	Applicable Board Resolutions	Requirement of Undertaking (Annexure 10)
		c) Format 2 of Annexure 11 by either Parent / Affiliate(s) whose credentials have been used and /or Ultimate Parent investing in the equity	

ANNEXURE 12 - FORMAT FOR ILLUSTRATION OF AFFILIATES



NOTE: Bidder to provide the illustration, as applicable in their case, duly certified by the Company Secretary and supported by documentary evidence in this regard.

ANNEXURE 13 - FORMAT FOR DISCLOSURE

[On the letter head of Bidding Company / Each Member in a Bidding Consortium]

Date: ……

DISCLOSURE

We hereby declare that the following companies with which we/ have direct or indirect relationship are also separately participating in this Bid process as per following details

S. No.	Name of the Company	Relationship
1.		
2.		
3.		

In case there is no such company please fill in the column "name of the company" as Nil.

Further we confirm that we don't have any Conflict of Interest with any other company participating in this bid process.

Certified as True

……..
(Signature)

Name: .....

Signature & Name of authorized signatory of the Company and Stamp

The above disclosure should be signed and certified as true by the authorized signatory of the Bidding Company or of the Member, in case of a Consortium).

ANNEXURE 14 - FORMAT OF THE BID BOND

FORMAT OF THE UNCONDITIONAL AND IRREVOCABLE BANK GUARANTEE FOR BID BOND

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution.)

In consideration of the .....[Insert name of the Bidder] submitting the Bid inter alia for establishing the Inter-State transmission system for _____[Name of Project] on build, own, operate and transfer basis, in response to the RFP dated _____ issued by _____[Name of BPC], and the Bid Process Coordinator (hereinafter referred to as BPC) agreeing to consider such Bid of ……. [Insert the name of the Bidder] as per the terms of the RFP, the [Insert name and address of the bank issuing the Bid Bond, and address of the Head Office] (hereinafter referred to as "Guarantor Bank") hereby agrees unequivocally, irrevocably and unconditionally to pay to _____[Name of BPC] or its authorized representative at _____[Address of BPC] forthwith on demand in writing from _____[Name of BPC] or any representative authorized by it in this behalf, any amount up to and not exceeding Rupees _____ Only (Rs _____ Crore), on behalf of M/s…….[Insert name of the Bidder].

This guarantee shall be valid and binding on the Guarantor Bank up to and including …… [Date to be inserted on the basis of Clause 2.11 of this RFP] and shall not be terminable by notice or any change in the constitution of the Guarantor Bank or by any other reasons whatsoever and our liability hereunder shall not be impaired or discharged by any extension of time or variations or alternations made, given, or agreed with or without our knowledge or consent, by or between concerned parties.

Our liability under this Guarantee is restricted to Rupees _____ Only (Rs ____ Crore). Our Guarantee shall remain in force until ……..[Date to be inserted on the basis of Clause 2.11 of this RFP]. _____[Name of BPC] or its authorized representative shall be entitled to invoke this Guarantee until …… [Insert Date, which is three sixty five days (365) days after the date in the preceding sentence]. The Guarantor Bank hereby expressly agrees that it shall not require any proof in addition to the written demand from _____[Name of BPC] or its authorized representative, made in any format, raised at the above mentioned address of the Guarantor Bank, in order to make the said payment to _____[Name of BPC] or its authorized representative.

The Guarantor Bank shall make payment hereunder on first demand without restriction or conditions and notwithstanding any objection, disputes, or disparities raised by the Bidder or any other person. The Guarantor Bank shall not require _____ [Name of BPC] or its authorized representative to justify the invocation of this BANK GUARANTEE, nor shall the Guarantor Bank have any recourse against _____[Name of BPC] or its authorized representative in respect of any payment made hereunder.

This BANK GUARANTEE shall be interpreted in accordance with the laws of India.

The Guarantor Bank represents that this BANK GUARANTEE has been established in such form and with such content that it is fully enforceable in accordance with its terms as against the Guarantor Bank in the manner provided herein.

This BANK GUARANTEE shall not be affected in any manner by reason of merger, amalgamation, restructuring or any other change in the constitution of the Guarantor Bank.

This BANK GUARANTEE shall be a primary obligation of the Guarantor Bank and accordingly _____[Name of BPC] or its authorized representative shall not be obliged before enforcing this BANK GUARANTEE to take any action in any court or arbitral proceedings against the Bidder, to make any claim against or any demand on the Bidder or to give any notice to the Bidder to enforce any security held by _____[Name of BPC] or its authorized representative or to exercise, levy or enforce any distress, diligence or other process against the Bidder.

Notwithstanding anything contained hereinabove, our liability under this Guarantee is restricted to Rupees _____ Only (Rs ____ Crore) and it shall remain in force until …… [Date to be inserted on the basis of Clause 2.11 of RFP], with an additional claim period of three hundred sixty five (365) days thereafter. We are liable to pay the guaranteed amount or any part thereof under this BANK GUARANTEE only if _____[Name of BPC] or its authorized representative serves upon us a written claim or demand.

In witness whereof the Bank, through its authorized officer, has set its hand and stamp on this…….. day of ..... at……

Witness:

1……. Signature: ……..
Name and Address Name: ……..……..

2. …….. Designation with Stamp:
Name and Address

Signature ……

Attorney as per power of attorney

No.……

For:
…… [Insert Name of the Bank]

Banker's Stamp and Full Address:

Dated this……day of……. 20……..

Notes:

1. The Stamp Paper should be in the name of the Executing Bank.

~~**ANNEXURE 14 A- FORMAT OF THE BID SECURITY DECLARATION [VALID TILL RFP ISSUED ON OR BEFORE 31.12.2021]**~~

ANNEXURE 15 - FORMAT FOR CONTRACT PERFORMANCE GUARANTEE

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution.
Foreign entities submitting Bids are required to follow the applicable law in their country)

In consideration of the …… [Insert name of the SPV or Selected Bidder on behalf of SPV or Lead Member in case of the Consortium, with address] agreeing to undertake the obligations under the Transmission Service Agreement dated …… and the other RFP Project Documents and the Nodal Agency and ……_[Name of BPC], agreeing to execute the RFP Project Documents with the Selected Bidder, regarding setting up the Project, the……[Insert name and address of the bank issuing the guarantee and address of the head office] (hereinafter referred to as "Guarantor Bank") hereby agrees unequivocally, irrevocably and unconditionally to pay to the Nodal Agency at…… [Insert Place and Address of the Nodal Agency indicated in TSA] forthwith on demand in writing from the Nodal Agency or any Officer authorized by it in this behalf, any amount up to and not exceeding Rupees……Crores (Rs…….) only [Insert the amount of the bank guarantee] on behalf of M/s…… [Insert name of the Selected Bidder / SPV].

This guarantee shall be valid and binding on the Guarantor Bank up to and including ……..and shall not be terminable by notice or any change in the constitution of the Bank or the term of the Transmission Service Agreement or by any other reasons whatsoever and our liability hereunder shall not be impaired or discharged by any extension of time or variations or alternations made, given, or agreed with or without our knowledge or consent, by or between parties to the respective agreement.

Our liability under this Guarantee is restricted to Rupees ……. Crores (Rs……) only. Our Guarantee shall remain in force until…… [Insert the date of validity of the Guarantee as per Clause 2.12.1 of the RFP]. The Nodal Agency shall be entitled to invoke this Guarantee up to three hundred sixty five (365) days of the last date of the validity of this Guarantee.

The Guarantor Bank hereby expressly agrees that it shall not require any proof in addition to the written demand from the Nodal Agency, made in any format, raised at the above mentioned address of the Guarantor Bank, in order to make the said payment to the Nodal Agency.

The Guarantor Bank shall make payment hereunder on first demand without restriction or conditions and notwithstanding any objection by _____[Name of SPV], …… [Insert name of the Selected Bidder], ……. [Insert name of the TSP] and/or any other person. The Guarantor Bank shall not require the Nodal Agency to justify the invocation of this BANK GUARANTEE, nor shall the Guarantor Bank have any recourse against the Nodal Agency in respect of any payment made hereunder.

This BANK GUARANTEE shall be interpreted in accordance with the laws of India.

The Guarantor Bank represents that this BANK GUARANTEE has been established in such form and with such content that it is fully enforceable in accordance with its terms as against the Guarantor Bank in the manner provided herein.

This BANK GUARANTEE shall not be affected in any manner by reason of merger, amalgamation, restructuring, liquidation, winding up, dissolution or any other change in the constitution of the Guarantor Bank.

This BANK GUARANTEE shall be a primary obligation of the Guarantor Bank and accordingly the Nodal Agency shall not be obliged before enforcing this BANK GUARANTEE to take any action in any court or arbitral proceedings against _____[Name of SPV] or the Selected Bidder, to make any claim against or any demand on _____[Name of SPV] or the Selected Bidder, as the case may be, or to give any notice to _____[Name of SPV] or the Selected Bidder, as the case may be, or to enforce any security held by the Nodal Agency or to exercise, levy or enforce any distress, diligence or other process against …….[Name of SPV] or the Selected Bidder, as the case may be.

The Guarantor Bank acknowledges that this BANK GUARANTEE is not personal to the Nodal Agency and may be assigned, in whole or in part, (whether absolutely or by way of security) by Nodal Agency to any entity to whom the Nodal Agency is entitled to assign its rights and obligations under the Transmission Service Agreement.

The Guarantor Bank hereby agrees and acknowledges that the Nodal Agency shall have a right to invoke this Bank Guarantee either in part or in full, as it may deem fit.

Notwithstanding anything contained hereinabove, our liability under this Guarantee is restricted to Rupees ……..Crores (Rs ……..) only and it shall remain in force until [Date to be inserted on the basis of Article 3.1.2 of TSA], with an additional claim period of three hundred sixty five (365) days thereafter. This BANK GUARANTEE shall be extended from time to time for such period, as may be desired by…… [Insert name of the Selected Bidder or Lead Member in case of the Consortium or SPV]. We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only if the Nodal Agency serves upon us a written claim or demand.

In witness where of:

Signature……..

Name: ……

Power of attorney No.: ……...
For:
…… [Insert Name of the Bank]
Banker's Seal and Full Address, including mailing address of the Head Office

Notes:
1. The Stamp Paper should be in the name of the Executing Bank.

ANNEXURE 16 – FORMAT OF CHECKLIST FOR TECHNICAL BID SUBMISSION REQUIREMENTS

[This format needs to be duly filled in, signed by the authorized signatory of the Bidder (Bidding Company / Lead Member in case of a Bidding Consortium) and submitted along with the Bidder's Technical Bid]

Technical Bid Submission Requirements	Response (Yes / No)
1. Format for the Covering Letter on the letterhead of Bidding Company or Lead Member of the Consortium, as applicable; 2. Format for Letter of Consent from each Consortium Member, including Lead Member, on their respective letterheads; 3. Format for evidence of authorized signatory's authority; 4. Board resolution from the Bidding Company / Lead Member of the Consortium in favour of the person executing the Power of Attorney as per **Annexure 3**; 5. Power of Attorney from each Consortium Member in favour of Lead Member to be provided by each of the other Members of the Consortium as per **Annexure 4**; 6. Board Resolution from each Member of the Consortium, other than the Lead Member, in favour of their respective authorized representatives for executing the POA, Consortium Agreement and signing of the requisite formats; 7. Format for Bidder's composition and ownership structure, along with status of equity holding (owning ten percent or more of the total paid up equity) not earlier than thirty (30) days prior to the Bid Deadline as per **Annexure 5**; 8. Consortium Agreement duly signed as per **Annexure 6**, along with Appendix-1, indicating the responsibilities and obligations of each Member of the Consortium; 9. Format for Qualification Requirement: a. Calculation sheets, detailing computation of Networth considered for meeting Qualifying Requirements, duly signed and stamped by the Statutory Auditor of the Bidding Company / each Member in case of a Bidding Consortium / FEE in cases where credentials of FEE is taken; b. Calculation sheets, detailing computation of capital expenditure of projects and revenue received in construction projects considered for meeting Qualification Requirements, duly signed and stamped by the Statutory Auditor of the Bidding Company / Lead Member in case of Bidding Consortium / TEE in cases where credentials of TEE is taken;	

Technical Bid Submission Requirements	Response (Yes / No)
c. Last financial year unconsolidated / consolidated audited annual accounts / statements, as the case may be, of the Financially Evaluated Entity / Technical Evaluated Entity d. Unconsolidated audited annual accounts of both the TEE and the Bidding Company/Lead member, as applicable, from the financial years in which financial closure was achieved till the financial year in which the said project was completed / commissioned. 10. Copy of the Memorandum and Articles of Association and certificate of incorporation or other organizational document (as applicable), including their amendments, certified by the Company Secretary of Bidding Company or each Member in case of a Consortium including Lead Member. 11. Attachment of **Annexure 7(D)**, detailing projects completed / commissioned and for which commercial operation has commenced including Executive Summary for each project. 12. For each project listed in the attachment above, certified true copy of the certificates of final acceptance and / or certificates of good operating performance duly issued by owners or clients for the project, duly signed by authorized signatory in support of technical capability as defined in Clause 2.1.2 of RFP. 13. Authority letter in favour of BPC from the Bidder/every Member of the Consortium authorizing the BPC to seek reference from their respective bankers & others. 14. Authorization from Parent / Affiliate of Bidding Company / Member of Bidding Consortium whose technical / financial capability has been used by the Bidding Company / Member of Bidding Consortium. 15. Initialing of all pages of Technical Bid by the Authorized Signatory in whose favour the POA (**Annexure 3**) has been executed. 16. Format for Illustration of Affiliates at the most seven (7) days prior to the Bid Deadline, duly certified by Company Secretary and supported by documentary evidence. 17. Certified copy of the Register of Members / Demat Account Statement, Share Certificate, Annual Return filed with ROC etc. submitted as documentary evidence along with **Annexure 12**. 18. Format for Disclosure by Bidding Company / each Member of the Consortium. 19. Format for Affidavit by the Bidding Company / each Member of the Consortium 20. Format for Authorization submitted in Non-Judicial stamp paper	

Technical Bid Submission Requirements	Response (Yes / No)
duly notarized.	
21. Bidders Undertaking and details of Equity Investment 22. Proof of Payment of RFP Fees 23. Bid Bond~~/ Bid Security Declaration (As applicable)~~ 24. Board Resolution as per Annexure 11 (If required)	

[**Note:** The checklist is not exhaustive. Bidders are required to submit all the information/documents as per requirement of RFP]

For and on behalf of Bidder

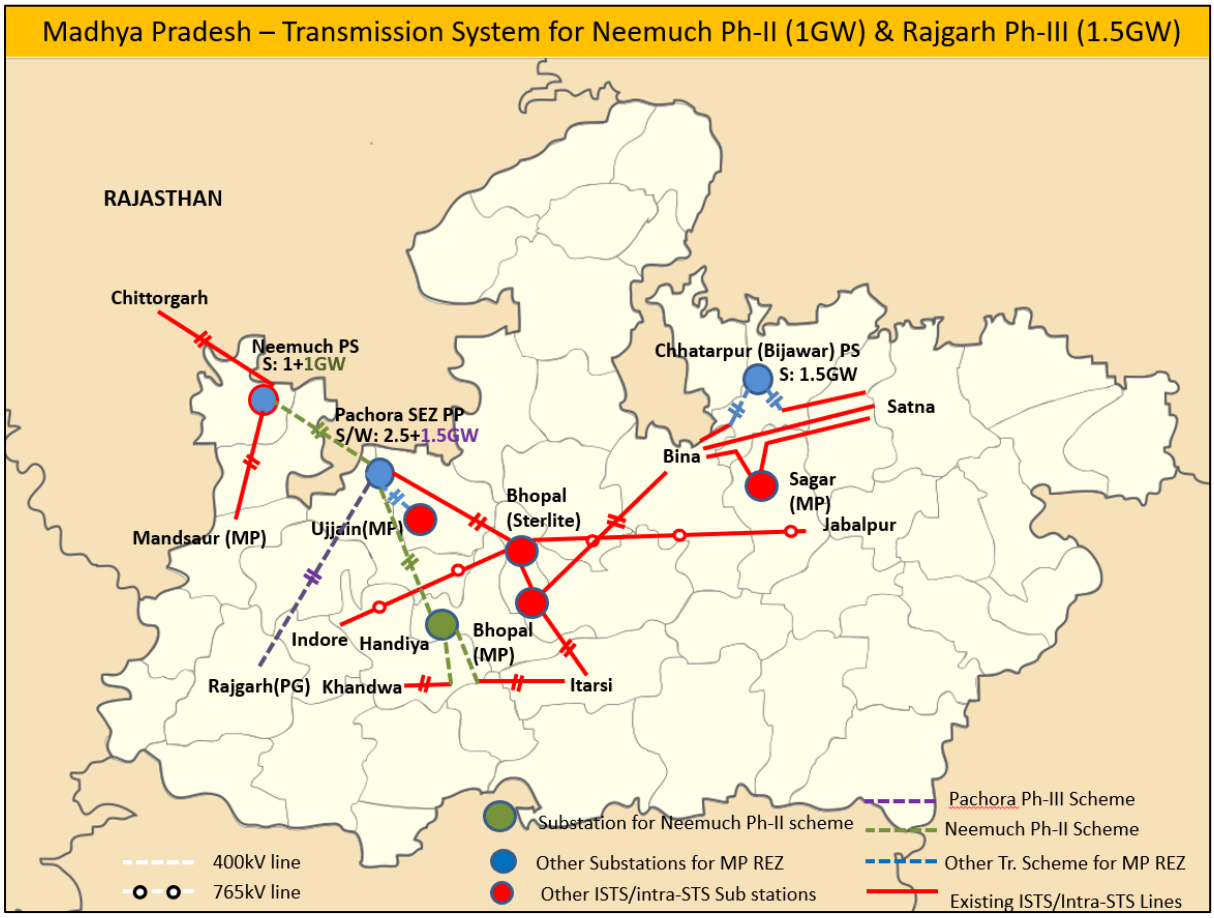
M/s. …….

……..
(Signature of authorized signatory)

ANNEXURE 17 – LIST OF BANKS

All Scheduled Commercial Banks as per Second Schedule of RBI Act-1934 and any amendments thereof.

ANNEXURE 18 - GRID MAP OF THE PROJECT



ANNEXURE 19 - FORMAT FOR CLARIFICATIONS / AMENDMENTS ON THE RFP / RFP PROJECT DOCUMENTS

S. No.	Name of the Document	Clause No. and Existing provision	Clarification required	Suggested text for the amendment	Rationale for the Clarification or Amendment

Signature ……

Name……...

For

Bidder's Rubber Stamp and Full Address.

(Note: This format shall be used for submission of requests for clarifications/ amendments on the draft RFP Project Documents as per the provisions of Clause 2.3.1)

ANNEXURE 20 - LIST FOR RFP PROJECT DOCUMENTS

ENCLOSURE 1: TRANSMISSION SERVICE AGREEMENT (Provided separately)

ENCLOSURE 2: SHARE PURCHASE AGREEMENT (Provided Separately)

ANNEXURE 21 - FORMAT FOR FINANCIAL BID

[To be uploaded online]

Quoted Transmission Charges ……..

Notes

1. The Bidders are required to ensure compliance with the provisions of Clause 2.5.3 of this RFP.

2. Quotes to be in Rupees Millions and shall be up to two (2) decimal points.

3. The contents of this format shall be clearly typed.

4. The Financial Bid shall be digitally signed by the authorized signatory in whose name power of attorney as per Clause 2.5.2 is issued.

5. Ensure only one value for annual Transmission Charges is quoted. The same charge shall be payable every year to TSP for the term of TSA.

ANNEXURE 22 – FORMAT FOR AFFIDAVIT

[On non-judicial stamp paper. Foreign companies submitting bids are required to follow the applicable law in their country]

AFFIDAVIT

We [including any of our Affiliate and Consortium Member & any of its Affiliate], hereby declare that as on Bid Deadline:

a. the Bidder & any of its Affiliate including any Consortium Member & any of its Affiliate, their directors or key personnel have not been barred or included in the blacklist by any government agency or authority in India, the government of the jurisdiction of the Bidder or Members where they are incorporated or the jurisdiction of their principal place of business, any international financial institution such as the World Bank Group, Asian Development Bank, African Development Bank, Inter-American Development Bank, Asian Infrastructure Investment Bank etc. or the United Nations or any of its agencies; or

b. the Bidder & any of its Affiliate including any Consortium Member & any of its Affiliate or their directors have not been convicted of any offence in India or abroad.

We further declare that following investigations are pending / no investigation is pending [strike off whichever is not applicable] against us [including any of our Consortium Member or Affiliate or Parent or Ultimate Parent or Affiliate] or CEO or any of our directors/ manager/key managerial personnel of the Applicant /Consortium Member or their Affiliates.

We further undertake to inform the BPC of any such matter as mentioned above on its occurrence after the date of this affidavit till the Effective Date.

We undertake that, in case, any information provided in relation to this affidavit is found incorrect at any time hereafter, our BID / Letter of Intent / contract (if entered) would stand rejected / recalled / terminated, as the case may be.

…….
Signature and Name of the authorized signatory of the Company Bidding Company / Lead Member of the Bidding Consortium

……..
(Signature of Notary Public)

Place: ……
Date: ……

Note: In case any investigation is pending against the Applicant, including any Consortium Member or Affiliate, or CEO or any of the directors/ manager/key managerial personnel of the

Applicant /Consortium /Member or their Affiliates, full details of such investigation including the name of the investigating agency, the charge/offence for which the investigation has been launched, name and designation of persons against whom the investigation has been launched and other relevant information should be disclosed under this affidavit.

ANNEXURE A

Technical Details with respect to electronic bidding

Registration Methodology

In order to submit online bids in the e-bidding process for selection of Transmission Service Provider, interested Bidders are required to register themselves with the e-procurement website of MSTC Limited namely www.mstcecommerce.com/eprochome/tsp/index.jsp. To register with the website, the Bidder is required to fill up the online form available under the link Register as Vendor in the above website and fill up the same and click on Submit.

During this process, the bidder shall create his user id and password and keep note of the same. The bidder shall ensure that the secrecy of his user id and password is maintained at all time and he/she shall alone be responsible for any misuse of the user id and password.

The bidder may check the details entered by it before final submission. On successful submission of the online registration Form, the bidder shall receive a confirmation mail in the registered email address advising the bidder to submit the following documents.

i. Self-attested Income Tax PAN Card. In case of a registered Company or Firm, the Firm's PAN card and in case of a proprietorship firm, proprietor's personal PAN card is required. In case of partnership firm, PAN of the firm and that of the authorized partner are to be submitted.
ii. Copy of the confirmation email Letter received from MSTC after successful completion of on-line registration.
iii. A non-refundable registration fee of Rs 10,000/- plus applicable GST to be paid online.

Please provide details of payment made like UTR No, remitting bank name, date of payment and amount in the covering letter.

The bidder shall have to submit all the above documents to MSTC Limited for verification and activation of their login ids. The bidders should send scanned copies of the above documents to the designated email id only which is given below.

tsp@mstcindia.co.in

It may be noted that bidders need not visit any of the offices of MSTC Limited for submission of the documents.

Contact persons of MSTC Limited:

Mr. Setu Dutt Sharma, 7878055855

Once the complete set of documents and requisite registration fee are received from a bidder, MSTC shall activate the bidder's login after verification / scrutiny of the documents. MSTC Limited reserves the right to call for additional documents from the bidder if needed and the bidder shall be obliged to submit the same.

On completion of the above stated registration process, a bidder shall be able to login to MSTC's website.

ANNEXURE B

Draft Pre-Award Integrity Pact

GENERAL

This pre-bid contract Agreement (herein after called the Integrity Pact) is made on …….. day of the month of ……. 20……., between, on one hand, ……. [Insert name of BPC] through Shri …….. [Insert Name & designation of representative of BPC] (hereinafter called the "Bid Process Coordinator/ BPC", which expression shall mean and include, unless the context otherwise requires, his successors in the office and assigns) of the First Part and M/s …… represented by Shri …….. [Insert Name & Designation of Authorized Signatory of the Bidder/ Lead Member of Consortium] (hereinafter called the "Bidder" which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Part.

WHEREAS the BPC is conducting the bidding process for Selection of Bidder as Transmission Service Provider through tariff based competitive bidding process to establish Inter-State Transmission system for **"**Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II**"** who will be responsible to set up the transmission project on build, own, operate and transfer (BOOT) basis and to provide Transmission Service.

WHEREAS the Bidder is a Private Company/Public Company/Government Undertaking/ Partnership, constituted in accordance with the relevant law in the matter and the BPC is a Public Sector Undertaking (PSU) performing its function on behalf of the Ministry of Power, Government of India.

NOW, THEREFORE,

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings during the complete bidding process with a view to:-

Enabling the BPC to select the bidder as TSP in conformity with the defined procedures by avoiding the high cost and the distortionary impact of corruption on public procurement, and

Enabling Bidder to abstain from bribing or indulging in any corrupt practice in order to

emerge as selected bidder by providing assurance to them that their competitors will also abstain from bribing and other practices and the BPC will commit to prevent corruption, in any form, by its officials by following transparent procedures.

The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

Commitments of BPC

1.1 The BPC undertakes that no official of the BPC, connected directly or indirectly with the bidding process, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the bidding process in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.

1.2 The BPC will, during the bidding stage, treat all bidders alike, and will provide to all bidders the same information and will not provide any such information to any particular bidder which could afford an advantage to that particular bidder in comparison to the other bidders.

1.3 All the officials of the BPC will report the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.

2. In case of any such preceding misconduct on the part of such official(s) is reported by the Bidder to the BPC with the full and verifiable facts and the same is *prima facie* found to be correct by the BPC, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the BPC and such a person shall be debarred from further dealings related to the bidding process. In such a case while an enquiry is being conducted by the BPC the proceedings under the bidding process would not be stalled.

Commitments of Bidder

3. The Bidder commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre award stage in order to emerge as Selected Bidder or in furtherance to secure it and in particular commits itself to the following: -

3.1 The Bidder will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BPC, connected directly or indirectly with the bidding process, or to any person,

organization or third party related to the bidding process in exchange for any advantage in the bidding, evaluation, contracting and implementation of the bidding process.

3.2 The Bidder further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BPC or otherwise in bidding process or for bearing to do or having done any act in relation to bidding process or any other contract with the Government for showing or forbearing to show favour or disfavour to any person in relation to the bidding process or any other contract with the Government.

3.3 The Bidder shall disclose the name and address of agents and representatives and Indian Bidder shall disclose their foreign principals or associates.

3.4 The Bidder shall disclose the payments to be made by them to agents/brokers or any other intermediary, in connection with this bid.

3.5 The Bidder further confirms and declares to the BPC that the Bidder has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the BPC or any of its functionaries, whether officially or unofficially for selection of Bidder as TSP, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.

3.6 The Bidder, either while presenting the bid or during pre-award negotiations or before signing the Share Purchase Agreement, shall disclose any payments he has made, is committed to or intends to make to officials of the BPC or their family members, agents, brokers or any other intermediaries in connection with the bidding process and the details of services agreed upon for such payments.

3.7 The Bidder will not collude with other parties interested in the bidding process to impair the transparency, fairness and progress of the bidding process.

3.8 The Bidder will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.

3.9 The Bidder shall not use improperly, for purpose of competition or personal gain, or pass on to others, any information provided by the BPC as part of the business relationship, regarding plans, technical proposal and business details, including information contained in any electronic data carrier. The Bidder also undertakes to exercise due and adequate care lest any such information is divulged.

3.10 The Bidder commits to refrain from giving any complaint directly or through any

other manner without supporting it with full and verifiable facts.

3.11 The Bidder shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.

3.12 The Bidder shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the BPC.

4. Previous Transgression

4.1 The Bidder declares that no previous transgression occurred in the last three years immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify Bidder's exclusion from the bidding process.

4.2 The Bidder agrees that if it makes incorrect statement on this subject, Bidder can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

5. Bid Bond (Security Deposit)

5.1 Along with the technical bid, the Bidder shall submit Bid Bond for an amount of Rs. ……. (as per the amount specified in Request for Proposal (RFP) Document) issued by …… [Insert Name of the Banks from the list provided in RFP Document] as Earnest Money/Security Deposit, with the BPC.

5.2 The Earnest Money/Security Deposit shall be valid & retained by the BPC for such period as specified in the RFP Document.

5.3 No interest shall be payable by the BPC to the Bidder on Earnest Money/Security Deposit for the period of its currency.

6. Sanctions for Violations

6.1 Any breach of the aforesaid provisions by the Bidder or any one employed by it or acting on its behalf (whether with or without the knowledge of the Bidder) shall entitle the BPC to take all or anyone of the following actions, wherever required: -

(i) To immediately call off the pre-award negotiations without assigning any reason or giving any compensation to the Bidder. However, the proceedings with the other Bidder (s) would continue.

(ii) The Bid Bond (in pre-award stage) shall stand forfeited either fully or partially,

as decided by the BPC and the BPC shall not be required to assign any reason therefore.

(iii) To immediately cancel the award, if already awarded, without giving any compensation to the Bidder.

(iv) To cancel all or any other contracts with the Bidder. The Bidder shall be liable to pay compensation for any loss or damage to the BPC resulting from such cancellation/rescission.

(v) To debar the Bidder from participation in any tender or RFP issued by any BPC for an indefinite period.

(vi) To recover all sums paid in violation of this Pact by Bidder to any middleman or agent or broker with a view to securing the award.

6.2 The BPC will be entitled to take all or any of the actions mentioned at para 6.1 (i) to (vi) of this Pact also on the Commission by the Bidder or anyone employed by it or acting on its behalf (whether with or without the knowledge of the Bidder), of an offence as defined in Chapter IX of the Indian Penal code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.

6.3 The decision of the BPC to the effect that a breach of the provisions of this Pact has been committed by the Bidder shall be final and conclusive on the Bidder. However, the Bidder can approach the Independent Monitor(s) appointed for the purposes of this Pact.

7. Independent Monitors

7.1 The BPC has appointed Independent Monitors (hereinafter referred to as Monitors) for this Pact in consultation with the Central Vigilance Commission (Names and Addresses of the Monitors to be given).

7.2 The task of the Monitors shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.

7.3 The Monitors shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.

7.4 Both the parties accept that the Monitors have the right to access all the documents relating to the project/procurement, including minutes of meetings.

7.5 As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the BPC.

7.6 The Bidder accepts that the Monitors has the right to access without restriction to all Project documentation of the BPC including that provided by the Bidder. The Monitor shall be under contractual obligation to treat the information and documents of the Bidder /Subcontractors(s) with confidentially. [As all the bid documents are with BPC only]

7.7 The BPC will provide to the Monitors sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the parties. The parties will offer to the monitor the option to participate in such meetings.

7.8 The Monitor will submit a written report to the designated Authority of the BPC/Secretary in the Department within 8 to 10 weeks from the date of reference or intimation to him by the BPC / Bidder and, should the occasion arise, submit proposals for correcting problematic situations.

8. Facilitation of Investigation

In case of any allegation of violation of any provisions of this Pact or payment of commission, the BPC or its agencies shall be entitled to examine all the documents including the Books of Accounts of the Bidder and the Bidder shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

9. Law and Place of Jurisdiction

This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the BPC.

10. Other Legal Actions

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the any extent law in force relating to any civil or criminal proceedings.

11. Validity

11.1 The validity of this Integrity Pact shall be from date of its signing and upto 6 months from the date of transfer of project specific SPV i.e. signing of Share Purchase Agreement with BPC. In case Bidder is unsuccessful, this Integrity Pact shall expire after 15 days from the date of transfer of project specific SPV to successful bidder.

11.2 Should one or several provisions of this Pact turn out to be invalid, the remainder of

this Pact shall remain valid. In this case, the parties will strive to come to an agreement to their original intentions.

12. The Parties hereby sign this Integrity Pact at on

Bid Process Coordinator (BPC)	BIDDER
Name of the Officer Designation Name of the BPC with address Witness: 1._____ 2. _____	Name of Whole time Director/Authorized Signatory Name of the Bidder with address Witness: 1._____ 2. _____

ANNEXURE C

Technical Specifications of Transmission System

SPECIFIC TECHNICAL REQUIREMENTS FOR TRANSMISSION LINE

The design, routing and construction of transmission lines shall be in accordance with Chapter V, Part A of CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations 2022, as amended from time to time. Other CEA Regulations/ guidelines as amended up to date and Ministry of Power (MoP) guidelines, as applicable, shall also be followed.

A.1.0 Selection of tower type shall be made as per CEA Regulations, however, in case lattice type towers are used, the following shall also be applicable:

A.2.0 Steel section of grade E 250 and/or grade E 350 as per IS 2062, only are permitted for use in towers, extensions, gantry structures and stub setting templates. For towers in snowbound areas, steel sections shall conform to Grade-C of IS-2062.

A.3.0 Towers shall be designed as per IS-802:2015, however the drag coefficient of the tower shall be as follows: -

Solidity Ratio	Drag Coefficient
Up to 0.05	3.6
0.1	3.4
0.2	2.9
0.3	2.5
0.4	2.2
0.5 and above	2.0

A.4.0 Transmission Service Provider (TSP) shall adopt any additional loading/ design criteria for ensuring reliability of the line, if so desired and /or deemed necessary.

A.5.0 Transmission line shall be designed considering wind zones as specified in wind map given in National Building Code 2016, Vol.1. The developer shall also make his own assessment of local wind conditions and frequent occurrences of High Intensity Winds (HIW) due to thunderstorms, dust storms, downburst etc. along the line route and wherever required, higher wind zone than that given in wind map shall be considered for tower design for ensuring reliability of line. Further, for transmission line sections passing within a distance of 50 km from the boundary of two wind zones, higher of the two wind zones shall be considered for design of towers located in such sections.

A.6.0 Selection of reliability level for design of tower shall be as per CEA Regulation (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations 2022, as amended from time to time.

A.7.0 A) In case of construction of transmission line of Voltage level of 400 kV and above, under crossing of the existing transmission line shall not be allowed. In the case where it is inevitable to under-cross the existing transmission line then TSP shall seek prior approval from Chief Electrical Inspector, CEA with detailed study ensuring that all statutory electrical clearances and Electric Field limit of 10 kV/m at 1 m and 1.8 m from ground level is not violated.

B) For power line crossing of 400 kV or above voltage level, large angle and dead end towers (i.e. D/DD/QD) shall be used on either side of power line crossing.

C) For power line crossing of 132 kV and 220 kV (or 230 kV) voltage level, angle towers (B/C/D/DB/DC/DD/ QB/QC/QD) shall be used on either side of power line crossing depending upon the merit of the prevailing site condition and line deviation requirement.

D) For power line crossing of 66 kV and below voltage level, suspension/tension towers shall be provided on either side of power line crossing depending upon the merit of the prevailing site condition and line deviation requirement.

E) For crossing of railway tracks, national highways and state highways, the rules/ regulations of appropriate authorities shall be followed.

A.8.0 The relevant conductor configuration shall be as follows: -

For (i) Neemuch PS – Pachora PS 400 kV D/C line

(ii) Pachora PS – Handiya 400 kV D/C line

(iii) Pachora PS – Rajgarh (PG) 400 kV DC line:

Type of conductor: ACSR / AAAC / AL59

Transmission line	**ACSR Conductor specified**	**EquivalentAAAC conductor based on 53% conductivity of Al Alloy**	**Equivalent minimum size of AL59 conductor based on 59% conductivity ofAL Alloy***	**Sub-conductor Spacing**
400 kV D/C (Quad Bundle) transmission lines	**Moose: Stranding** 54/3.53mm-Al + 7/3.53 mm- Steel, 31.77 mm diameter 528.5 mm^2, Aluminium area, Maximum DC	**Stranding details:** 61/3.55mm 31.95mm diameter; 604 mm^2 Aluminium alloy area Maximum DC Resistance at 20°C	**Stranding details:** 61/3.31mm 29.79 mm diameter; 525 mm^2 Aluminium alloy area Maximum DC Resistance at 20°C	457 mm

Transmission line	ACSR Conductor specified	EquivalentAAAC conductor based on 53% conductivity of Al Alloy	Equivalent minimum size of AL59 conductor based on 59% conductivity ofAL Alloy*	Sub-conductor Spacing
	Resistance at 20°C (Ω/km): 0.05552 Minimum UTS: 161.20 kN	(Ω/km): 0.05506 Minimum UTS: 159.80 kN	(Ω/km): 0.0566 Minimum UTS: 124.70 kN	

For LILO of Khandwa(PG) – Itarsi(PG) 400 kV D/C(Twin Moose) line at Handiya S/s

Type of conductor: ACSR / AAAC / AL59

Transmission line	ACSR Conductor specified	Equivalent AAAC conductor based on 53% conductivity of Al Alloy	Equivalent minimum size of AL59 conductor based on 59% conductivity of AL Alloy*	Sub-conductor Spacing
400 kV D/C (Twin Bundle) transmission line	**Moose:** **Stranding** 54/3.53 mm-Al + 7/3.53 mm- Steel, 31.77 mm diameter 528.5 mm^2, Aluminium area, Maximum DC Resistance at 20°C (Ω/km): 0.05552 Minimum UTS: 161.20 kN	**Stranding details:** 61/3.55 mm 31.95mm diameter; 604 mm^2 Aluminium alloy area Maximum DC Resistance at 20°C (Ω/km): 0.05506 Minimum UTS: 159.80 kN	**Stranding details:** 61/3.31 mm 29.79 mm diameter; 525 mm^2 Aluminium alloy area Maximum DC Resistance at 20°C (Ω/km): 0.0566 Minimum UTS: 124.70 kN	450 mm

Note:

*1. *To Select any size above the minimum, the sizes mentioned in the Indian*

standard IS-398(part-6) shall be followed.

2. *The transmission lines shall have to be designed for a maximum operating conductor temperature of 85 deg C.*

A.9.0 The required phase to phase spacing and horizontal spacing for 400 kV line shall be governed by the tower design as well as minimum live metal clearances for 400 kV voltage level under different insulator swing angles. However, the phase to phase spacing for 400 kV line shall not be less than 8 m.

A.10.0 All electrical clearances including minimum live metal clearance, ground clearance and minimum mid span separation between earth wire and conductor as given below shall be considered:

I. Minimum live metal clearances for 400 kV line:

(i) Under stationary conditions

From tower body: 3.05 m

(ii) Under swing conditions

Wind Pressure Condition	**Minimum Electrical Clearance**
a) Swing angle (22º)	3.05 m
b) Swing angle (44º)	1.86 m

(iii) Minimum ground clearance for 400 kV line: 8.84 m

(iv) Minimum mid span separation between earth-wire and conductor for 400 kV line: 9.0 m

A.11.0 The shielding angle shall not exceed 20 deg for 400 kV D/C transmission line.

A.12.0 The Fault current for design of line shall be 63 kA for 1 sec for 400 kV.

A.13.0 In case of 400 kV and above voltage class lines, at least one out of two earth wires shall be OPGW and second earth wire, if not OPGW, shall be either of Galvanized Stranded Steel (GSS) or Aluminium Alloy Conductor Steel Reinforced (AACSR) or any other suitable conductor type depending upon span length and other technical consideration.

A.14.0 Each tower shall be earthed such that tower footing impedance does not exceed 10 ohms. Pipe type or Counterpoise type earthing shall be provided in accordance with relevant IS. Additional earthing shall be provided on every 7 to 8 km distance for direct earthing of both shield wires. If site condition demands, multiple earthing or use of earthing enhancement compound shall be used.

A.15.0 Pile type foundation shall be used for towers located in river or creek bed or on bank of river having scourable strata or in areas where river flow or change in river course is anticipated, based on detailed soil investigation and previous years' maximum flood discharge of the river, maximum velocity of water, highest flood level, scour depth and anticipated change in course of river based on river morphology data of at least past 20 years to ensure availability and reliability of the transmission line.

A.16.0 Transmission line route shall be finalized, in consultation with appropriate authorities so as to avoid the habitant zones of endangered species and other protected species. Bird diverters, wherever required, shall be provided on the line. In order to optimize the route, use of GATISHAKTI platform shall also be made.

A.17.0 Wherever, transmission lines are passing through cyclone prone areas i.e. areas up to 60 km from coast following shall also be applicable:

a) Terrain category-I, with terrain roughness factor (K2) of 1.08 shall be considered for tower design for exposed open terrain with few or no obstruction which also includes open sea coasts, open stretch of water, desert and flat treeless plains

b) Importance factor for cyclonic region (K4) of 1.3 shall be considered for tower design.

c) The number of consecutive spans between the section points/ angle point shall not exceed 10 spans or 3 km instead of conventional practice of 15 spans or 5 km, in order to reduce the failure of such towers in coastal areas due to cascading effect. The section shall be terminated with tension tower/ angle tower and angle of deviation should be based on the site requirement.

A.18.0 Wherever, transmission lines are passing through cyclone prone areas (i.e. areas up to 60 km from coast)/ creek regions/ aggressive soil areas following shall also be applicable:

a) The fabricated tower parts and stubs shall have a minimum overall zinc coating of 900 g/m^2 of surface area except for plates and sections below 5 mm which shall have a minimum overall zinc coating of 610 g/m^2 of surface area. The average zinc coating for all sections and plates 5 mm and above shall be maintained as 127 microns and that for plates and sections below 5 mm shall be maintained as 87 microns.

b) Ready mix concrete of M30 Grade shall be used to avoid use of locally available saline water. However, design mix concrete of M30 Grade conforming to IS 456 with potable water can be used at locations where transportation of ready-mix concrete is not feasible. Minimum cement content in any case shall not be less than 330kg/m^3.

c) The surface of the reinforced steel shall be treated with epoxy-based coating to enhance corrosion performance of foundation. Use of epoxy coated reinforcement in foundation shall be as per IS 13620. In addition, two (2) coats of bituminous painting of minimum 1.6 kg/ m^2 per coat shall be applied on all exposed faces of foundation (i.e. pedestal and base slab).

d) Double coat 20 mm thick cement plaster shall be provided on all exposed concrete surface as well up to 300 mm below ground level to give protection to concrete surface from environmental and saline effect.

e) Before coping of chimney top portion, three coats of anti-corrosive paint of minimum 30-35 microns dry film thickness each shall be applied on the stub in

the 50mm coping portion as well as up to 350mm above CL portion.

A.19.0 The raised chimney foundation is to be provided in areas prone to flooding/water stagnation like paddy field /agricultural field and undulated areas to avoid direct contact of water with steel part of tower. The top of the chimney of foundation should be at least above High Flood Level (HFL) or the historical water stagnation/ logging level (based on locally available data) or above High Tide Level or 500 mm above Natural Ground level (whichever is higher).

A.20.0 Routing of transmission line through protected areas shall be avoided to the extent possible. In case, it is not possible to avoid protected areas, the towers of the transmission line up to 400 kV level which are installed in protected areas shall be designed for Multi-circuit (4 circuits) configuration of same voltage level considering reliability level of at least two (2). The top two circuits of these multi-circuit towers shall be used for stringing of the transmission line under present scope and the bottom two circuits shall be made available for stringing of any future transmission line of any transmission service providers/ State transmission utilities/Central transmission utilities passing through the same protected area. Further, the configuration and coordinates of such transmission towers shall be submitted to CEA, CTU and BPC by the TSP.

A.21.0 The TSP shall abide by the Guidelines of CEA w.r.t. shifting of transmission lines for NHAI projects and other projects.

A.22.0 Safety precautions in regards to gas/oil pipelines in vicinity of Transmission lines shall be taken in coordination with gas/ petroleum authorities.

A.23.0 The stringing of the transmission line in forest area shall be carried out through drone.

A.24.0 The tower shall be designed considering the porcelain Insulators with creepage factor of 31 mm/ kV irrespective of type of insulator used.

A.25.0 RoW width and Span in different terrain shall be as per Schedule VII of CEA (Technical Standards for Construction of Electrical plants and Electric Lines) Regulations 2022 and RoW guidelines issued vide CEA-PS-14-86/2/2019-PSETD Division dated 24.09.2024

SPECIFIC TECHNICAL REQUIREMENTS FOR SUBSTATION

The proposed Handiya SS shall be conventional Air Insulated Switchgear (AIS) type conforming to the requirements of CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2022, as amended from time to time.

The proposed extension of Neemuch PS, Pachora PS and Rajgarh SS shall be conventional AIS type conforming to the requirements of CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations 2022, as amended from time to time.

Other CEA Regulations/guidelines as amended up to date and MoP guidelines, as applicable, shall also be followed.

B.1.0 Salient features of Substation Equipment and Facilities

The design and specification of substation equipment are to be governed by the following factors:

B.1.1 Insulation Coordination

The system design parameters for substations/switchyards shall be as given below:

Sl. No.	**Description of parameters**	**400/220 kV Handiya SS (AIS)/ 400/220 kV Pachora PS Extn. (AIS)/ 400 kV Neemuch PS (AIS) Extn.**		**400 kV Rajgarh SS Extn. (AIS)**
		400 kV System	**220 kV System**	**400 kV System**
1.	System Operating Voltage	400 kV	220 kV	400 kV
2.	Maximum voltage of the system (rms)	420 kV	245 kV	420 kV
3.	Rated Frequency	50 Hz	50 Hz	50 Hz
4.	No. of Phases	3	3	3
5.	Rated Insulation Levels			
i)	Lightning Impulse withstand voltage for (1.2/50 micro sec.) • for Equipment other than Transformer and Reactor • for Insulator String	 1425 kVp 1550 kVp	 1050 kVp 1050 kVp	 1425 kVp 1550 kVp
ii)	Switching Impulse withstand voltage (250/2500 micro sec.) dry and wet	1050 kVp	--	1050 kVp
iii)	One minute power frequency dry withstand voltage (rms)	630 kV	--	630 kV

Sl. No.	Description of parameters	400/220 kV Handiya SS (AIS)/ 400/220 kV Pachora PS Extn. (AIS)/ 400 kV Neemuch PS (AIS) Extn.		400 kV Rajgarh SS Extn. (AIS)
		400 kV System	220 kV System	400 kV System
iv)	One minute power frequency dry and wet withstand voltage (rms)	--	460 kV	--
6.	Corona Extinction Voltage	320 kV	--	320 kV
7.	Max. radio interference voltage for frequency between 0.5 MHz and 2 MHz	1000 micro-volts at 266 kV rms	1000 micro-volts at 156 kV rms	1000 micro-volts at 266 kV rms
8.	Minimum creepage distance for insulator string/ longrod insulators/ outdoor bushings	13020 mm (31 mm/kV)	7595 mm (31 mm/kV)	13020 mm (31 mm/kV)
9.	Minimum creepage distance for switchyard equipment	10500 mm (25 mm/kV)	6125 mm (25 mm/kV)	10500 mm (25 mm/kV)
10.	Max. Fault Current	63 kA	50 kA	63 kA
11.	Duration of Fault	1 sec	1 sec	1 sec

B.1.2 Switching Scheme

The switching schemes, as mentioned below, shall be adopted at various voltage levels of substation/switchyard:

Substation	400 kV side	220 kV side
400/220 kV Handiya SS (AIS)	One and Half breaker	Double Main and Transfer
400/220 kV Neemuch PS (AIS) Extn.	One and Half breaker	Double Main and Transfer
400 kV Pachora PS (AIS) Extn.	One and Half breaker	Double Main and Transfer
400 kV Rajgarh SS (AIS) Extn.	One and Half breaker	---

Notes: -

i) *For one and half breaker switching scheme, any double circuit line consisting of two numbers of feeders and originating from the same transmission or generating switchyard shall not be terminated in one diameter.*

ii) *Two transformers of same HV rating shall not be connected in the same diameter and similarly two bus reactors of same HV rating shall also not be connected in the same diameter.*

iii) *A diameter in one and half breaker scheme is a set of 3 circuit breakers with associated isolators, earth switches, current transformers etc. for controlling 2 (two) numbers of feeders.*

iv) *Connection arrangement of Switchable Line reactors shall be such that it can be used as Line reactor as well as Bus reactor with suitable NGR bypass arrangement.*

v) *Space for 400 kV future line bays shall be kept considering provision of switchable line reactors.*

vi) ***Provision for Bus sectionalizer:***

One (1) set of bus sectionalizer for 400 kV means Two (2) Nos. of bus sectionalizer bays with associated Circuit Breakers, Isolators and Current Transformers for both buses.

One (1) set of bus sectionalizer for 220 kV means Two (2) Nos. of bus sectionalizer bays with associated Circuit Breakers, Isolators and Current Transformers for both buses.

vii) *TSP shall plan connectivity of line and transformer feeders to bus bar in such a way that all power can be evacuated successfully without crossing thermal limit at any point of bus-bar.*

viii) *For AIS type substation, TSP shall keep space provisions for future elements such that interconnection arrangement to the corresponding future bays can be done with overhead AIS type connection without any cable/ GIS duct.*

ix) **400/220 kV Handiya SS:**

400 kV Bus Sectionalization shall be with the following feeder distribution.

400 kV Bus Section-1	***400 kV Bus Section-2 (Future)***
a) 2 Nos. of present 400/220 kV ICT b) 2 Nos. of present 400 kV Bus Reactor c) 6 Nos. of Present 400 kV Lines d) *1 No. of Future 400/220 kV ICT*	*a) 3 Nos. of future 400/220 kV ICT* *b) 6 Nos. of future 400 kV Lines* *c) 2 Nos. of future 400 kV Bus Reactor*

x) **400/220 kV Pachora PS:** 400 kV D/C line, 400/220 kV, 3x500 MVA ICTs and 1x125 MVAr, 420 kV bus reactor shall be terminated at bus section-II of 400 kV level being implemented under Rajgarh Phase-II:1000MW scheme by M/s G R Infraprojects Ltd. at Pachora PS. Bay no. 421 as shown in attached SLD (Drg. No. REC/URJA/E-SYD-DRG/SLD-001 Rev 1) shall also be utilized for present scope of work.

xi) **400 kV Rajgarh SS:** Pachora PS – Rajgarh (PG) 400 kV D/C line shall be

terminated in existing half diameters for which main bays (bay Nos. 419 and 422 as shown in SLD drg. No. C/ENGG/WR/RAJGARH-EXTN/ICT-4/SLD, Rev 0) shall be constructed under present scope.

xii) In one and half breaker scheme, both main bay and tie bay shall be completed for controlling a feeder. Further, all associated interconnection work shall also be in the present scope of TSP.

B.2.0 Substation Equipment and Facilities (Voltage level as applicable):

The switchgear shall be designed and specified to withstand operating conditions and duty requirements. All equipment shall be designed considering the following capacity.

Sl. No	Description of bay	400/220 kV Handiya SS		400/220 kV Neemuch PS		400/220 kV Pachora PS		400 kV Rajgarh SS
		400 kV	220 kV	400 kV	220 kV	400 kV	220 kV	400 kV
1.	Bus Bar	4000 A	3000 A	4000 A	3000 A	4000 A	3000 A	4000 A
2.	Line bay	3150 A	1600 A	3150 A	1600 A	3150 A	1600 A	3150 A
3.	ICT bay	3150 A	1600 A	3150 A	1600 A	3150 A	1600 A	N/A
4.	Reactor bay	3150 A	N/A	3150 A	N/A	3150 A	N/A	3150A
5.	Bus Sectionaliser bay	N/A	N/A	N/A	3000 A	N/A	3000 A	N/A
6.	Bus Coupler Bay	N/A	3000 A	N/A	3000 A	N/A	3000 A	N/A
7.	Transfer Bus coupler bay	N/A	1600 A	N/A	1600 A	N/A	1600 A	N/A

B.2.1 400/220/33 kV, 3-phase Autotransformer

500 MVA, 400/220/33 kV, 3-phase autotransformer shall conform to CEA's "Standard Specifications and Technical Parameters for Transformers and Reactors (66 kV and above Voltage Class)" as amended up to date available on CEA website.

B.2.2 420 kV, 3- Phase Shunt Reactor

50 MVAr and 125 MVAr, 420 kV, 3-Phase Reactor shall conform to CEA's "Standard Specifications and Technical Parameters for Transformers and Reactors (66 kV and above voltage class)" as amended up to date available on CEA website.

The Ohmic value of NGR for Line Reactors shall be as follows:

Sl. No.	Line Name	Substation Name	NGR value (Ohm)

Sl. No.	Line Name	Substation Name	NGR value (Ohm)
1.	Neemuch PS – Pachora PS 400 kV D/C line with 50 MVAr Sw LR on each ckt at both ends	Pachora PS	500
2.		Neemuch (PG)	500
3.	Pachora PS – Handiya 400 kV D/C line with 50 MVAr Sw LR on each ckt at both ends	Pachora PS	500
4.		Handiya S/S	500
5.	Pachora PS – Rajgarh(PG) 400 kV D/C line with 50 MVAr Sw LR on each ckt at both ends	Pachora PS	500
6.		Rajgarh (PG)	500

B.2.3 400 kV and 220 kV AIS Substation equipment (as applicable)

B.2.3.1 Circuit Breakers (AIS)

The circuit breakers and accessories shall conform to IEC: 62271-100, IEC: 62271-1 and shall be of SF_6 Type. The circuit breakers shall be of class C2-M2 (as per IEC) with regard to restrike probability during capacitive current breaking and mechanical endurance. The rated break time shall not exceed 40 ms for 400 kV circuit breakers and 60 ms for 220 kV circuit breakers. The 400 kV and 220 kV circuit breakers shall be provided with single phase and three phase auto reclosing. Each breaker would have two sets of trip circuits, which would be connected to separate DC supplies for greater reliability. The Circuit breakers controlling 400 kV lines shall be provided with pre insertion closing resistor of about 400 ohm with 8 ms insertion time or Controlled Switching Device (CSD) for lines longer than 200 km length. The short line fault capacity shall be same as the rated capacity and this is proposed to achieve without use of opening resistors. The controlled switching device shall be provided in circuit breakers of switchable line reactor bay and in Main and Tie bay circuit breakers of line with non-switchable line reactors, Bus Reactors and Transformers of voltage class 400 kV and above.

B.2.3.2 Isolators (AIS)

The isolators shall comply with IEC 62271-102 in general. 400 kV and 220 kV isolators shall be double break type. All isolators and earth switches shall be motor operated. Earth switches shall be provided at various locations to facilitate maintenance. Isolator rated for 400 kV and 220 kV shall be of extended mechanical endurance class – M2 as per IEC-62271-102. Isolator rated for 220 kV shall be suitable for bus transfer current switching duty as per IEC-62271-102. Main blades and earth blades shall be interlocked and interlock shall be fail safe type. The 400 kV and 220 kV earth switch for line isolator shall be suitable for induced current switching duty as defined for Class-B.

B.2.3.3 Current Transformers (AIS)

Current Transformers shall comply with IEC 61869 in general. All ratios shall be obtained by secondary taps only. Generally, Current Transformers (CT) for 400 kV shall have six cores (four for protection and two for metering) and 220 kV Current Transformers shall have five cores (four for protection and one for metering). The burden and knee point voltage shall be in accordance with the requirements of the system including possible feeds for telemetry. The accuracy class for the protection core shall be PX and for the metering core it shall be 0.2S. The rated burden of cores shall be closer to the maximum burden requirement of the metering and protection system (not more than 20 VA for metering core) for better sensitivity and accuracy. The instrument security factor shall be less than five (5) for CTs up to 400 kV voltage class.

B.2.3.4 Capacitive Voltage Transformers (AIS)

Capacitive Voltage Transformers shall comply with IEC 61869 in general. These shall have three secondaries out of which two shall be used for protection and one for metering. The Accuracy class for protection cores shall be 3P and for metering core shall be 0.2. The Capacitive Voltage Transformers on lines shall be suitable for Carrier Coupling. The Capacitance of CVT for 400 kV and 220 kV shall be of 4400/8800 pF depending on PLCC requirements. The rated burden of cores shall be closer to the maximum burden requirement of metering and protection system (not more than 50 VA for metering core) for better sensitivity and accuracy.

B.2.3.5 Surge Arresters (AIS)

336 kV Station High (SH) duty and 216 kV Station Medium (SM) duty gapless type Surge Arresters with thermal energy (W_{th}) of minimum 12 kJ/kV and 7 kJ/kV conforming to IEC 60099-4 in general shall be provided for 420 kV and 245 kV systems respectively. Other characteristics of Surge Arrester shall be chosen in accordance with system requirements. Surge arresters shall be provided at line entrances, near transformers and reactors so as to achieve proper insulation coordination. Surge Arresters shall be provided with porcelain/ polymer housing fitted with pressure relief devices. A leakage current monitor with surge counter shall be provided with each surge arrester.

B.2.4 Protection Relaying and Control System

The protective relaying system proposed to be provided for transmission lines, auto-transformers, reactors and bus bars to minimize the damage to the equipment in the events of faults and abnormal conditions, is dealt in this section. All main protective relays shall be numerical type with IEC 61850 communication interface and should have interoperability during integration of numerical relays to communicate over IEC61850 protocol with RTU/SAS/IEDs of different OEMs. All numerical relays shall have built in disturbance recording feature.

The protection circuits and relays of transformer and reactor shall be electrically and

physically segregated into two groups each being independent and capable of providing uninterrupted protection even in the event of one of the protection groups failing, to obtain redundancy, and to take protection systems out for maintenance while the equipment remains in service.

a) Transmission Lines Protection

400 kV and 220 kV lines shall have Main-I numerical three zone distance protection scheme with carrier aided inter-tripping feature. 400 kV and 220 kV lines shall also have Main-II numerical distance protection scheme like Main-I but from different make that of Main-I. The Main-I and Main-II protection relays of same make may be provided only if they are of different hardware and manufacturing platform or different principle of operation.

However, Line Current Differential Relay (with back up distance protection feature) as Main–I and Main-II shall be considered at both ends for short lines (line length below 30 km) having Fibre Optic Communication Link. Differential relay at remote end shall be provided by the TSP. The associated power and control cabling and integration with SAS at remote end shall be provided by respective bay owners.

In case of 220 kV line bays for RE Generators, Line Current differential relay (with back up distance protection feature) as Main-I and Main-II shall be provided. Further, in such cases, the matching line current differential relay for remote end shall be provided by the TSP as loose supply.

In case of loop in loop out of transmission lines, the existing protection scheme shall be studied and suitable up-gradation (if required) shall be carried out.

Further, all 400 kV and 220 kV lines shall be provided with single and three phase auto-reclosing facility to allow reclosing of circuit breakers in case of transient faults. These lines shall also be provided with distance to fault locators to identify the location of fault on transmission lines.

All 400 kV and 220 kV lines shall also be provided with two stage over voltage protection. The over voltage protection and distance to fault locator may be provided as in-built feature of Main-I and Main-II protection relays. Auto reclose as built-in function of Bay Control Unit (BCU) is also acceptable.

The Main-I and Main-II protection relays shall be fed from separate DC sources and shall be mounted in separate panels.

For 400 kV and 220 kV transmission lines, directional IDMT earth fault relay should be provided as standalone unit or in-built feature of Main-I and Main -II feature.

b) Auto Transformer Protection

These shall have the following protections:

i) Numerical Differential Protection

ii) Numerical Restricted Earth Fault Protection

iii) Numerical Back-up Over-Current and Earth Fault Protection on High Voltage (HV) and Intermediate Voltage (IV) side

iv) Numerical Over Fluxing Protection on HV and IV side

v) Numerical Overload Alarm

Further, Numerical Back-up Over-current and earth fault protection on HV and IV side of autotransformer shall not be combined with other protective functions in the main relays and shall be independent relays. Besides these, power transformers shall also be provided with Buchholz relay, Magnetic Oil Gauge (MOG) with low oil level alarm, protection against high oil and winding temperature and pressure relief device etc.

Suitable monitoring, control (operation of associated circuit breaker and isolator) and protection for LT auxiliary transformer connected to tertiary winding of auto-transformer for the purpose of auxiliary supply shall be provided. The over current and other necessary protection shall be provided for the auxiliary transformer. These protection and control may be provided as built-in feature either in the bay controller to be provided for the auxiliary system or in the control and protection IEDs to be provided for autotransformer.

c) Reactor Protection

Reactor shall be provided with the following protections:

i) Numerical Differential Protection.

ii) Numerical Restricted Earth Fault Protection

iii) Numerical Back-up impedance protection

Besides these, reactors shall also be provided with Buchholz relay, Magnetic Oil Gauge (MOG) with low oil level alarm, protection against oil and winding temperatures and pressure relief device, etc.

d) Bus bar Protection

The high-speed low impedance type bus bar differential protection, which is essential to minimize the damage and maintain system stability at the time of bus bar faults, shall be provided for 400 kV and 220 kV buses. Duplicated bus bar protection is envisaged for 400 kV bus-bar protection. Bus bar protection scheme shall be such that it operates selectively for each bus and incorporate necessary features required for ensuring security. The scheme shall have complete bus bar protection for present as well as envisaged future bays i.e. input / output modules for future bays shall also be provided.

Bus Bar protection system for new substation shall be de-centralized (distributed) type.

The scheme shall have complete bus bar protection for present as well as envisaged future bays i.e. input/ output modules for future bays for the bus sections under present

scope and PUs shall be provided by the respective bay owners. In case, the bus section is provided, then each side of bus section shall have separate set of bus bar protection schemes.

For existing substations, the existing bus bar protection shall be augmented as per requirement.

e) Local Breaker Back up Protection

This shall be provided for each 400 kV and 220 kV circuit breakers and will be connected to de-energize the affected stuck breaker from both sides.

Notes:

1. *LBB and REF relays shall be provided separately from transformer differential relay.*
2. *LBB relay may also be provided as built-in protection function of distributed bus bar protection scheme; however in such case separate LBB relay shall be provided for tie bays (in case of One and Half breaker scheme).*
3. *Over fluxing and overload protection can be provided as built-in feature of differential relay.*
4. *In 400 kV switchyard, if spare bay of half diameter is identified as future, Tie CB relay panel shall be with Auto-reclosure feature.*

B.2.5 Substation Automation System

a) For all the new substations, state of art Substation Automation System (SAS) conforming to IEC-61850 shall be provided. The distributed architecture shall be used for Substation Automation System, where the controls shall be provided through Bay Control Units. The Bay Control Unit is to be provided bay wise for voltage level 220 kV and above. All Bay Control Units as well as protection units are normally connected through an Optical fibre high speed network. The control and monitoring of circuit breaker, dis-connector, re-setting of relays etc. can be done from Human Machine Interface (HMI) from the Control Room.

The functions of control, annunciation, disturbance recording, event logging and measurement of electrical parameters shall be integrated in the Substation Automation System.

At the new substations, the Substation Automation System (SAS) shall be suitable for operation and monitoring of the complete substation including proposed future bays/elements.

In the existing substations with Substation Automation System (SAS), augmentation of existing SAS shall be done for bays under present scope.

In the existing Substations where Substation automation is not provided, control functions shall be done through control panels.

Necessary gateway and modems (as required) shall be provided to send data to RLDC/SLDC as per their requirement and shall be provisioned with 2+2 redundancy i.e. 2 channels for Main Control Centre and 2 channels for Backup Control Centre. In order to meet this requirement, suitable redundancy at port and card level need to be ensured by the TSP to avoid any single point of failure which may lead to interruption in real-time grid operation. Accordingly, all the hardware for communication services of station as stated above shall support dual redundancy for data transmission of station to respective main and backup RLDCs. Any augmentation work at RLDC/SLDC is excluded from TSP's scope. However, all the configuration work at substation end required to send data to RLDC/SLDC shall be in the scope of TSP.

b) Time Synchronization Equipment

Time Synchronization Equipment complete in all respect including antenna, cable, processing equipment required to receive time signal through GPS or from National Physical Laboratory (NPL) through INSAT shall be provided at new substations. This equipment shall be used to synchronize SAS and IEDs etc.

B.3.0 Substation Support Facilities

Certain facilities required for the operation and maintenance of substations as described below shall be provided at the new substation. In existing substation, these facilities have already been provided and would be extended/ augmented as per requirement.

B.3.1 AC and DC power supplies

For catering the requirements of three phase and single phase AC supply and DC supply for various substation equipment (for present and future scope), the following arrangement is envisaged:-

i) For LT Supply at each new Substation, two (2) Nos. of auxiliary Transformers (minimum 630 kVA for substations with highest voltage rating as 400 kV) shall be provided which shall be fed from two independent sources as per CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007.

Metering arrangement with Special Energy Meters (SEMs) shall be provided by TSP at 33 kV tertiary of Transformer for drawing auxiliary supply at new substation. Such SEMs shall be provided by CTU at the cost of the TSP. Accounting of such energy drawn by the TSP shall be done by RLDC/RPC as part of Regional Energy Accounting.

Additionally, Active Energy Meters may be provided at the same point in the 33 kV tertiary of Transformer by local SEB/DISCOM for energy accounting.

ii) 2 sets of 220 V battery banks for control and protection and 2 sets of 48 V battery banks for PLCC/ communication equipment shall be provided at each new Substation. Each

battery bank shall have a float-cum-boost charger.

At new substation, sizing of 220 V battery and battery charger shall be done based on the number of bays specified (including future bays) as per CEA Regulations and relevant IS. 2 sets of 48 V battery banks for PLCC and communication equipment for present and future scope shall be provided at each new Substation with at least 10-hour battery backup and extended backup, if required. 48 V DC can be achieved from 220 V DC battery bank using adapter, if so desired by TSP, without compromising backup time.

iii) Suitable AC and DC distribution boards and associated LT Switchgear shall be provided at new substation.

For new substation, following switch boards shall be considered with duplicate supply with bus coupler/ sectionalizer and duplicate outgoing feeders except for Emergency lighting distribution board which shall have only one incoming feeder:

(a) 415 V Main Switchboard – 1 No.
(b) AC distribution board – 1 No.
(c) Main lighting distribution board – 1 No.
(d) Emergency lighting distribution board – 1 No.
(e) 220 Volt DC distribution board – 2 Nos.
(f) 48 Volt DC distribution board – 2 Nos.

Sizing of LT Switchgear shall be suitable to cater the requirement for all present and future bays. AC and DC distribution boards shall have equipped modules for all the feeders (including future as specified).

iv) At new Substation, one No. of DG set (minimum 250 kVA for substations with highest voltage rating as 400 kV shall be provided for emergency applications.

v) For substation extensions, existing facilities shall be augmented as required.

B.3.2 Fire Fighting System

Fire-fighting system for substation including Transformer and Reactor shall conform to CEA (Measures Relating to Safety and Electric Supply) Regulations, 2023 as amended time to time.

Further, adequate water hydrants and portable fire extinguishers shall be provided in the substations. The main header of the firefighting system shall be suitable for extension to bays covered under the future scope; necessary piping interface in this regard shall be provided.

At existing substations, the fire-fighting systems as available shall be extended to meet the additional requirements.

B.3.3 Oil evacuating, Filtering, Testing and Filling apparatus

To monitor the quality of oil for satisfactory performance of transformers, shunt reactors and for periodical maintenance necessary oil evacuating, filtering, testing and filling apparatus would be provided at new substations. Oil storage tanks of adequate capacities for storage of transformer oil would be provided.

Online Transformer Oil Drying Out System shall be provided in line with the provisions of Standard Specification and Technical Parameters for Transformers and Reactors (66 kV and above Voltage Class) as amended up to date available on CEA website.

B.3.4 Illumination

Normal and emergency AC and DC illumination shall be provided adequately in the control room and other buildings of the substation. The switchyard shall also be provided with adequate illumination.

The lighting of the entire control room building, fire-fighting pump house, other building (if any) and switchyard shall be done by LED based low power consumption luminaries.

B.3.5 Control Room

For the new substation, substation control room shall be provided to house substation work stations for station level control (SAS) along with its peripheral and recording equipment, AC and DC distribution boards, DC batteries and associated battery chargers, Fire Protection panels, Telecommunication panels and other panels as per requirements. Air conditioning shall be provided in the building as functional requirements. Main cable trenches from the control room shall have adequate space provision for laying of cables from the control room for all the future bays also.

At existing substations, the adequacy of size of control room shall be ascertained and the same shall be augmented as per requirement.

B.3.6 Control Concept

All the EHV circuit breakers in substation/switching stations shall be controlled and synchronized from the switchyard control room/remote control center. All the isolators shall have control from remote/local whereas the earth switches shall have local control only.

B.3.7 Visual Monitoring System (VMS) for watch and ward of substation premises:

Visual Monitoring System for effective watch and ward of substation premises shall cover all the transformers and reactors, all other major AIS Equipment (such as CB, isolators, CT, CVT, SA etc. as applicable), panel room, all the gates of switchyard and all entry and exit points of control room building and accordingly the location of cameras shall be decided. In addition to the gates of the switchyard, the cameras shall also be located around the boundaries at suitable locations. The camera shall be high-

definition color CCD camera with night vision feature. The VMS data partly/completely shall be recorded (minimum for 15 days) at least @25fps (or better) and stored on network video recorder. The system shall use video signals from various cameras installed at different locations, process them for viewing on workstations/monitors in the control room and simultaneously record all the cameras. The VMS data should go only to the intended personnel/facility and not to the remote server of the Camera (VMS supplier).

Mouse/keyboard controllers shall be used for pan, tilt, zoom and other functions of the desired camera. The Visual Monitoring System shall have provision of WAN connectivity for remote monitoring.

All camera recordings shall have Camera ID and location/area of recording as well as date/time stamp. The equipment should generally conform to Electromagnetic compatibility requirement for outdoor equipment in EHV substation.

Advisory on deployment of CCTV issued by Ministry of Electronics and Information Technology (MEITY) shall be followed.

At existing substations, the Visual Monitoring System if available shall be augmented as per existing or better specification as required.

B.4 General Facilities

a) Line Gantry/Towers are envisaged for bays under the present scope only. However, for adjacent future line bay, gantry/tower shall be designed for extension (considering Quad conductors for 400 kV and Twin conductor for 220 kV future lines) wherever applicable.

b) Bay extension works at existing substation shall be executed by TSP in accordance with the requirement/provisions mentioned above. However, interface points shall be considered keeping in view the existing design/arrangement at the substation.

c) TSP has to arrange for construction power and water on its own.

d) All outdoor steel structures including anchor/foundation bolts shall be fully galvanized. The weight of the zinc coating shall be at least 610 g/m^2, however, for coastal/creek regions it shall be at least 900 g/m^2. (if applicable)

e) In 400 kV switchyard, if spare bay of half diameter is identified as future, all the equipment for Tie and Future bay shall be designed considering the current rating of line bay i.e. 3150 A.

f) Boundary wall shall be brick masonry wall with RCC frame or Stone masonry wall or Precast RCC wall under present scope along the property line of complete substation area including future switchyard area to prevent encroachment and unauthorized access. Minimum height of the boundary wall shall be of 1.8 m from Finished Ground Level (FGL).

g) All electrical equipment shall be installed above the Highest Flood Level and where such equipment is not possible to be installed above Highest Flood Level, it shall be ensured that there is no seepage or leakage or logging of water.

h) As per CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations 2022/CEA Manual on Transmissions Planning criteria 2023, line approaching substation shall normally be perpendicular to the substation boundary for a stretch of 2-3 km. Accordingly, TSP shall ensure that line terminations at substations are arranged in a manner to avoid hindrance to future line terminations at the substations.

B.5 EXTENSION OF EXISTING SUBSTATION

The following drawings/details of existing substation are attached with the RfP documents for further engineering by the bidder.

Sl. No.	Drawing Title	Drawing No./Details	Rev. No.
A.	**400/220 kV Neemuch PS**		
1.0	Single Line Diagram	TB-1-418-316-001	02
2.0	General Arrangement	TB-1-418-316-001A	06
3.0	Earthmat Layout	TB-1-418-316-006	01
4.0	Visual Monitoring System		
5.0	Bus Bar Protection	GE Make	
6.0	Substation Automation System (SAS)	NEEMUCHS/S-SAS-ARCHITECTURE DRGS	04
B.	**400 kV Pachora PS**		
1.0	Single Line Diagram	REC/URJA/E-SYD-DRG/SLD-001	01
2.0	General Arrangement	-	
3.0	Earthmat Layout	-	
4.0	Visual Monitoring System	-	
5.0	Bus Bar Protection	-	
6.0	Substation Automation System (SAS)	-	
C.	**400 kV Rajgarh SS**		
1.0	Single Line Diagram	C/ENGG/WR/RAJGARH-	0

Sl. No.	Drawing Title	Drawing No./Details	Rev. No.
		EXTN/ICT-4/SLD	
2.0	General Arrangement	C/ENGG/WR/RAJGARH-EXTN/ICT-4/GA	0
3.0	Earthmat Layout	J-796/RAJGARH/E-DRD/EARTHMAT/PLAN/007	R1
4.0	Visual Monitoring System	Bidder may visit site for existing details.	
5.0	Bus Bar Protection	Make : ABB (HITACHI) Model: REB500	
6.0	Substation Automation System (SAS)	Make : ABB Model: MICROSCADA	

Note: The existing drawings provided above and in subsequent amendments to the RfP are as received from the developer of existing substation and provided only for reference. Bidders shall follow the RfP for scope of work. Actual site conditions may be different due to other schemes being executed or subsequent revisions by the developer. Therefore, Bidders are advised to visit the substation sites and acquaint themselves with the actual site conditions, layout, topography, infrastructure such as the requirement of roads, cable trench, drainage, boundary etc. and also the design philosophy.

LOCATION DETAILS OF EXISTING / UNDER CONSTRUCTION SUBSTATIONS

400/220 kV Pachora PS: 23°43'35.66"N, 76° 7'4.03"E

400/220 kV Neemuch PS: 25° 1'32.76"N, 75°13'41.27"E

400/200kV Rajgarh S/S: 22°40'56"N, 74°55'29"E

Note: *The above coordinates/location of substation indicated is approximate in the substation area. Exact coordinates for the corresponding bays/gantry for termination of the respective line may be verified & finalized in coordination with actual site.*

SPECIFIC TECHNICAL REQUIREMENTS FOR COMMUNICATION

The communication requirement shall be in accordance to CEA (Technical Standards for Communication System in Power System Operations) Regulations, 2020, CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2022, CERC (Communication System for inter-State transmission of electricity) Regulations, 2017, CEA (Cyber Security in Power Sector) Guidelines, 2021, and CERC Guidelines on "Interface Requirements" 2024, all above documents as amended from time to time.

The complete ISTS communication system commissioned by TSP under the RFP shall be the asset of ISTS and shall be available for usage of ISTS requirements as suggested by CTU from time to time.

The communication services viz. SCADA, VoIP, PMU, AGC & AMR (wherever applicable) have been identified as critical services and therefore shall be provisioned with 2+2 redundancy i.e. 2 channels for Main Control Centre and 2 channels for Backup Control Centre. In order to meet this requirement, suitable redundancy at port and card level need to be ensured by the TSP to avoid any single point of failure which may lead to interruption in real-time grid operation.

PMU to PDC communication (wherever required) shall be through 2 channels to the PDC (main) as there is no backup PDC at present.

Accordingly, all the hardware for communication services of station as stated above shall support dual redundancy for data transmission of station to respective main and backup RLDCs.

In order to meet the requirement for grid management and operation of substations, Transmission Service Provider (TSP) shall provide the following**:**

C.1.0 Pachora PS – Rajgarh(PG) 400 kV D/Cline (Quad ACSR/ AAAC/ AL59 Moose equivalent).

On Pachora PS – Rajgarh(PG) 400 kV D/CC line, TSP shall supply, install & commission One (1) No. OPGW cable containing 48 Fibres (48F) on one E/W peak and conventional earth wire on other E/W peak.

The TSP shall install this OPGW from gantry of Pachora PS up to the gantry of Rajgarh (PG) with all associated hardware including Vibration Dampers, mid-way & gantry Joint Boxes (called OPGW Hardware hereafter) and finally terminate in Joint Boxes at end Substations. The transmission line length is 180 kms (approx.) where repeater is not required to meet link budget requirement of Pachora PS – Rajgarh(PG)

link. However after survey link length may exceed to 220 kms. To meet link budget requirement of Pachora PS – Rajgarh(PG) link (including service loops and sag etc.) 1 set of FOTE at repeater station to be provided by TSP.

TSP shall finalize the location of repeater station depending upon the actual site conditions. Further TSP shall comply to the requirements mentioned as per **Appendix-F.1**

Maintenance of OPGW Cable, OPGW Hardware & repeater equipment & items associated with repeater shelter shall be the responsibility of TSP.

C.2.0 2 Nos. of 400 kV line bays at Pachora PS for termination of Pachora PS – Rajgarh(PG) 400 kV DC line.

C.3.0 2 Nos. of 400 kV line bays at Pachora PS for termination of Pachora PS – Neemuch PS 400 kV D/C line.

C.4.0 2 Nos. of 400 kV line bays at Pachora PS for termination of Pachora PS – Handiya 400 kV D/C line.

C.5.0 3 nos. 220kV line bays for RE interconnection on Bus Section (3rd)

C.6.0 1 No. 220 kV line bay for RE Interconnection of Purvah Green Power Pvt. Ltd. on Bus Section (3rd)

I. TSP shall supply, install & commission one or more no. FODP (336F or higher) alongwith panel and required Approach Cables (48F/24F) with all associated hardware fittings from gantry tower to Bay Kiosk and from the Bay Kiosk to Control room.

II. TSP shall supply, install & commission One or more STM-16 (FOTE) equipment alongwith panel/s supporting minimum **Nine (9)** directions with Multiplex Section Protection – 1+1 (MSP)with necessary interfaces to meet the voice and data communication requirement among Pachora PS, Rajgarh (PG), M/s Purvah Green Power and upcoming RE generators. S/s. These directions shall exclude protected (1+1) local patching among equipment (if any). The suitable DC Power Supply and backup to be provided for communication equipment.

III. FOTE/FODP panel shall be installed in the new Bay Kiosk/ Switchyard Panel Room (SPR). The FOTE under present scope shall be integrated by TSP with the existing FOTE at control room of Pachora PS which shall be communicating with respective control center. TSP to provide necessary FODP sub rack / Splice trays/ Patch cords etc. and optical interfaces/equipment in the existing

FOTE/FODP panels in control room for integration with the existing FOTE for onwards data transmission.

In case spare optical direction is not available in the existing FOTE at the control room, the TSP shall coordinate with station owner to reconfigure the directions in existing FOTE at control room. Alternatively, The TSP may integrate the FOTE under the present scope with existing FOTE in the nearby Kiosk connected to the control room FOTE (if available with spare direction). For this purpose, TSP shall provide necessary FODP sub rack / Splice trays/ Patch cords etc. and suitable optical interfaces/ equipment in the existing FOTE/FODP panels in another Kiosk (SPR).

IV. FOTE & FODP can be accommodated in same panel to optimize space.

V. The new communication equipment under the present scope shall be compatible for integration with existing regional level centralized NMS. The local configuration of the new communication equipment shall be the responsibility of TSP. The configuration work in the existing centralized NMS for integration of new Communication equipment shall be done by Regional ULDC Team, however all the necessary support in this regard shall be ensured by TSP.

The maintenance of all the communication equipment and software thereof including FOTE, PMU, FODP, approach cable, DCPS along with Battery Bank shall be the responsibility of TSP.

C.7.0 2 Nos. of 400 kV line bays at Rajgarh(PG) for termination of Pachora PS – Rajgarh(PG) 400 kV D/C line.

I. TSP shall supply, install & commission one or more no. FODP (144F or higher) along with panel and required Approach Cables (48F) with all associated hardware fittings from gantry tower to Bay Kiosk and from the Bay Kiosk to Control room.

II. TSP shall supply, install & commission One STM-16 (FOTE) equipment alongwith panel/s supporting minimum **three (3)** directions with MSP (Multiplex Section Protection – 1+1) with necessary interfaces to meet the voice and data communication requirement between **Pachora PS and Rajgarh (PG)** S/s. These directions shall exclude protected (1+1) local patching among equipment (if any). The suitable DC Power Supply and backup to be provided for communication equipment.

III. FOTE/FODP panel shall be installed in the new Bay Kiosk/ Switchyard Panel Room (SPR). The FOTE under present scope shall be integrated by TSP with the

existing FOTE at control room of **Rajgarh(PG)** S/s which shall be communicating with respective control center. TSP to provide necessary FODP sub rack / Splice trays/ Patch cords etc. and optical interfaces/equipment in the existing FOTE/FODP panels in control room for integration with the existing FOTE for onwards data transmission.

In case spare optical direction is not available in the existing FOTE at the control room, the TSP shall coordinate with station owner to reconfigure the directions in existing FOTE at control room. Alternatively, The TSP may integrate the FOTE under the present scope with existing FOTE in the nearby Kiosk connected to the control room FOTE (if available with spare direction). For this purpose, TSP shall provide necessary FODP sub rack / Splice trays/ Patch cords etc. and suitable optical interfaces/ equipment in the existing FOTE/FODP panels in another Kiosk (SPR).

IV. FOTE & FODP can be accommodated in same panel to optimize space.

V. The new communication equipment under the present scope shall be compatible for integration with existing regional level centralized NMS. The local configuration of the new communication equipment shall be the responsibility of TSP. The configuration work in the existing centralized NMS for integration of new Communication equipment shall be done by Regional ULDC Team, however all the necessary support in this regard shall be ensured by TSP.

The maintenance of all the communication equipment including FOTE, PMU, FODP, approach cable, DCPS alongwith Battery Bank shall be the responsibility of TSP.

C.8.0 Neemuch PS – Pachora PS 400 kV D/CC line (Quad ACSR/ AAAC/ AL59 Moose equivalent).

(I) On Pachora PS – Neemuch PS 400 kV D/c (Quad ACSR/ AAAC/ AL59 Moose equivalent) line, TSP shall supply, install & commission One (1) No. OPGW cable containing 48 Fibres (48F) on one E/W peak and conventional earth wire on other E/W peak.

(II) The TSP shall install this OPGW from gantry of **Pachora PS** up to the gantry of **Neemuch PS** with all associated hardware including Vibration Dampers, mid-way & gantry Joint Boxes (called **OPGW Hardware** hereafter) and finally terminate in Joint Boxes at end Substations. The transmission line length is **190 kms** (approx.) where repeater is not required to meet link budget requirement of **Pachora PS – Neemuch PS** link. However, after survey link length may exceed to 220 kms. To meet link budget requirement of **Pachora PS – Neemuch PS**

link (including service loops and sag etc.) 1 set of FOTE at repeater station to be provided by TSP.

(III) TSP shall finalize the location of repeater station depending upon the actual site conditions. Further TSP shall comply to the requirements mentioned as per **Appendix-F.1**

Maintenance of OPGW Cable, OPGW Hardware & repeater equipment & items associated with repeater shelter shall be the responsibility of TSP.

C.9.0 2 Nos. of 400 kV line bays at Neemuch PS for termination of Pachora PS – Neemuch PS 400 kV D/C line.

C.10.0 4 Nos. 220 kV Line bays at Neemuch PS for RE interconnection

I. TSP shall supply, install & commission one or more no. FODP (240F or higher) alongwith panel and required Approach Cables (48F/24F) with all associated hardware fittings from gantry tower to Bay Kiosk and from the Bay Kiosk to Control room.

II. TSP shall supply, install & commission One or more STM-16 (FOTE) equipment alongwith panel/s supporting minimum **Seven (7)** directions with MSP (Multiplex Section Protection – 1+1) with necessary interfaces to meet the voice and data communication requirement among **Pachora PS, Neemuch PS and upcoming RE generators.** S/s. These directions shall exclude protected (1+1) local patching among equipment (if any). The suitable DC Power Supply and backup to be provided for communication equipment.

III. FOTE/FODP panel shall be installed in the new Bay Kiosk/ Switchyard Panel Room (SPR). The FOTE under present scope shall be integrated by TSP with the existing FOTE at control room of **Neemuch PS** which shall be communicating with respective control center. TSP to provide necessary FODP sub rack / Splice trays/ Patch cords etc. and optical interfaces/equipment in the existing FOTE/FODP panels in control room for integration with the existing FOTE for onwards data transmission.

In case spare optical direction is not available in the existing FOTE at the control room, the TSP shall coordinate with station owner to reconfigure the directions in existing FOTE at control room. Alternatively, The TSP may integrate the FOTE under the present scope with existing FOTE in the nearby Kiosk connected to the control room FOTE (if available with spare direction). For this purpose, TSP shall provide necessary FODP sub rack / Splice trays/

Patch cords etc. and suitable optical interfaces/ equipment in the existing FOTE/FODP panels in another Kiosk (SPR).

IV. FOTE & FODP can be accommodated in same panel to optimize space.

V. The new communication equipment under the present scope shall be compatible for integration with existing regional level centralized NMS. The local configuration of the new communication equipment shall be the responsibility of TSP. The configuration work in the existing centralized NMS for integration of new Communication equipment shall be done by Regional ULDC Team, however all the necessary support in this regard shall be ensured by TSP.

The maintenance of all the communication equipment and software thereof including FOTE, PMU, FODP, approach cable, DCPS alongwith Battery Bank shall be the responsibility of TSP.

C.11.0 Establishment of 2x500 MVA, 400/220 kV S/s at Handiya <u>along</u>with 2x125MVAr 420 kV Bus Reactors.

(I) TSP shall supply, install & commission One or more no. FODP (336F or higher) alongwith panel and required approach Cables (48F/24F) with all associated hardware fittings from gantry tower to Control Room for all the incoming lines envisaged under the present scope.

(II) TSP shall supply, install & commission One or more STM-16 (FOTE) equipment alongwith panel/s supporting minimum **Eleven (11)** directions with MSP (Multiplex Section Protection – 1+1). These directions shall exclude protected (1+1) local patching among equipment (if any). Communication Equipment shall be provided with necessary interfaces to meet the voice and data communication requirement among **Handiya, Itarasi (PG), Khandwa (PG), Pachora PS and upcoming LILO of 220kV MPPTCL lines**. The suitable DC Power Supply and backup to be provided for communication equipment.

(III) FODP & FOTE equipment with panels shall be provided in Control Room of **Handiya S/s**. FOTE & FODP Eq can be accommodated in same panel to optimize space.

(IV) The new communication equipment under the present scope shall be compatible for integration with existing regional level centralized NMS. The local configuration of the new communication equipment shall be the responsibility of TSP. The configuration work in the existing centralized NMS for integration of new Communication equipment shall be done by Regional

ULDC Team, however all the necessary support in this regard shall be ensured by TSP.

(V) TSP shall supply, install & commission Firewall in redundant mode (1+1) in line with the specification attached at **Annexure F.1**.

(VI) The maintenance of all the communication equipment and software thereof including FOTE, FODP, approach cable, PMU, DCPS alongwith Battery Bank & Firewall shall be the responsibility of TSP.

C.12.0 Pachora PS – Handiya 400 kV D/C line (Quad ACSR/ AAAC/ AL59 Moose equivalent).

I. On Pachora PS – Handiya 400 kV D/C (Quad ACSR/ AAAC/ AL59 Moose equivalent) line, TSP shall supply, install & commission One (1) no. OPGW cable containing 48 Fibres (48F) on one E/W peak and conventional earth wire on other E/W peak.

II. The TSP shall install this OPGW from gantry of **Pachora PS** up to the gantry of **Handiya S/s** with all associated hardware including Vibration Dampers, mid-way & gantry Joint Boxes (called **OPGW Hardware** hereafter) and finally terminate in Joint Boxes at end Substations. The transmission line length is **190 kms** (approx.) where repeater is not required to meet link budget requirement of **Pachora PS – Handiya** link. However, after survey link length may exceed to 220 kms. To meet link budget requirement of Pachora PS – Handiya link (including service loops and sag etc.) 1 set of FOTE at repeater station to be provided by TSP.

III. TSP shall finalize the location of the repeater station depending upon the actual site conditions. Further TSP shall comply to the requirements mentioned as per **Appendix-F.1**

IV. Maintenance of OPGW Cable, OPGW Hardware & repeater equipment & items associated with repeater shelter shall be the responsibility of TSP.

C.13.0 LILO of Khandwa(PG) – Itarsi(PG) 400 kV D/C (Twin Moose) line at Handiya S/s .

On LILO of Khandwa(PG) – Itarsi(PG) 400 kV D/C(Twin Moose) line (length) at Handiya S/s , TSP shall supply, install & commission OPGW and earthwire as per Tower Configurations:

I. For Multi Circuit Tower Configuration: Two (2) No. OPGW cable containing 24 Fibres (24F) to be installed & commissioned by the TSP on both the Earthwire peaks

II. For Double Circuit Tower configuration (for both Loop In and Loop Out portion): One (1) No. OPGW cable containing 24 Fibres (24F) on one earthwire peak & conventional earthwire on other E/W peak for both Loop In and Loop Out Lines.

The TSP shall install OPGW cables from gantry of **Handiya S/s** up to the LILO tower with all associated hardware including Vibration Dampers, mid-way & gantry Joint Boxes (called OPGW Hardware hereafter) and finally terminate in Joint Boxes at **Handiya S/s**. The LILO line length is **22 kms (approx.)** After LILO, fiber length for links Itarasi (PG) to Handiya and Handiya to Khandwa (PG) may exceed to 220 kms. To meet link budget requirement of Itarasi (PG) to Handiya and Handiya to Khandwa (PG) link (including service loops and sag etc.) 1 set of FOTE at repeater station to be provided by TSP.

TSP shall finalize the location of repeater station depending upon the actual site conditions. Further TSP shall comply to the requirements mentioned as per **Appendix-F.1**

Maintenance of OPGW Cable, OPGW Hardware & repeater equipment & items associated with repeater shelter shall be the responsibility of TSP.

C.14.0 Specific Requirement for Phasor Measurement Units (PMUs)

TSP shall supply, install & commission required No. of Phasor Measurement Units (PMUs) PMUs at all the locations under the scope of TSP under this RFP as per CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2022 (along with all amendments if any), and all the applicable Regulations, Standards, Guidelines issued time to time. The signal list shall be as per the Annexure-I Part-B of CERC Guidelines on “Interface Requirements” 2024. These PMUs shall be provided with GPS clock and LAN switch and shall connect with LAN switch of control room of respective substations/ generating stations with Fibre Optic cable. These PMUs shall be connected with the FOTE at Substation/ generating stations for onwards data transmission to the PDC (Phasor Data Concentrator) located at respective RLDC. Configuration work in existing PDC at RLDC for new PMU integration shall be done by respective RLDC, however all the necessary support in this regard shall be ensured by TSP. The maintenance of all the PMUs and associated equipment shall be the responsibility of TSP.

Note: Existing Station owner/s to provide necessary support to integrate different equipment & applications of new extended bays with the existing substation e.g. Communication (through FOTE), Voice etc. for smooth operation and monitoring of new added grid elements.

Appendix-F.1

Repeater Requirements

- If the repeater location is finalized in the Control Room of a nearby substation, TSP shall provide 1 No. OPGW (96F/48F)as per OPGW in main line to accommodate all OPGW fibers of main line ,on a single Earthwire peak with OPGW Hardware & mid-way Joint Boxes etc. of the line crossing the main line and 1 no. Approach Cable (96F/48F)as per OPGW laid to accommodate all OPGW fibers of main line ,with all associated hardware fittings, to establish connectivity between crossing point of main transmission line up to the repeater equipment in substation control room.
  TSP shall co-ordinate for Space and DC power supply sharing for repeater equipment.
  TSP shall provide required FODP, FOTE (with STM-16 capacity) with suitable interfaces require for link budget of respective link.

  OR

- If the repeater location is finalized in the nearby substation premises, the TSP shall identify the Space for repeater shelter in consultation with station owner. Further TSP shall provide 1 No. OPGW (96F/48F) as per OPGW in main line to accommodate all OPGW fibers of main line, on a single Earthwire peak with OPGW Hardware & mid-way Joint Boxes etc. of the line crossing the main line and 1 No. Approach Cable (96F/48F)as per OPGW laid to accommodate all OPGW fibers of main line , with all associated hardware fittings, to establish connectivity between crossing point of main transmission line up to the substation where the repeater shelter is to be housed.
  TSP shall provide repeater shelter along with FODP, FOTE (with STM-16 capacity) with suitable interfaces require for link budget of respective link, reliable power supply provisioning for AC and DC supply, battery bank, Air Conditioner and other associated systems.

  OR

- If the repeater location is finalized on land near the transmission tower. TSP shall make the provisions for Land at nearby tower for repeater shelter. Further TSP shall provide required. Approach Cable (96F/48F)as per OPGW laid in main line to accommodate all OPGW fibers of main line, with all associated hardware fittings to establish connectivity up to the location of repeater shelter.
  TSP shall provide repeater shelter along with FODP, FOTE (with STM-16 capacity) with suitable interfaces require for link budget of respective link, reliable power

supply provisioning for AC and DC supply, battery bank, Air Conditioner and other associated systems

Maintenance of OPGW Cable and **OPGW Hardware**, repeater equipment & items associated with repeater shelter shall be responsibility of TSP.

Proposed Communication for Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II

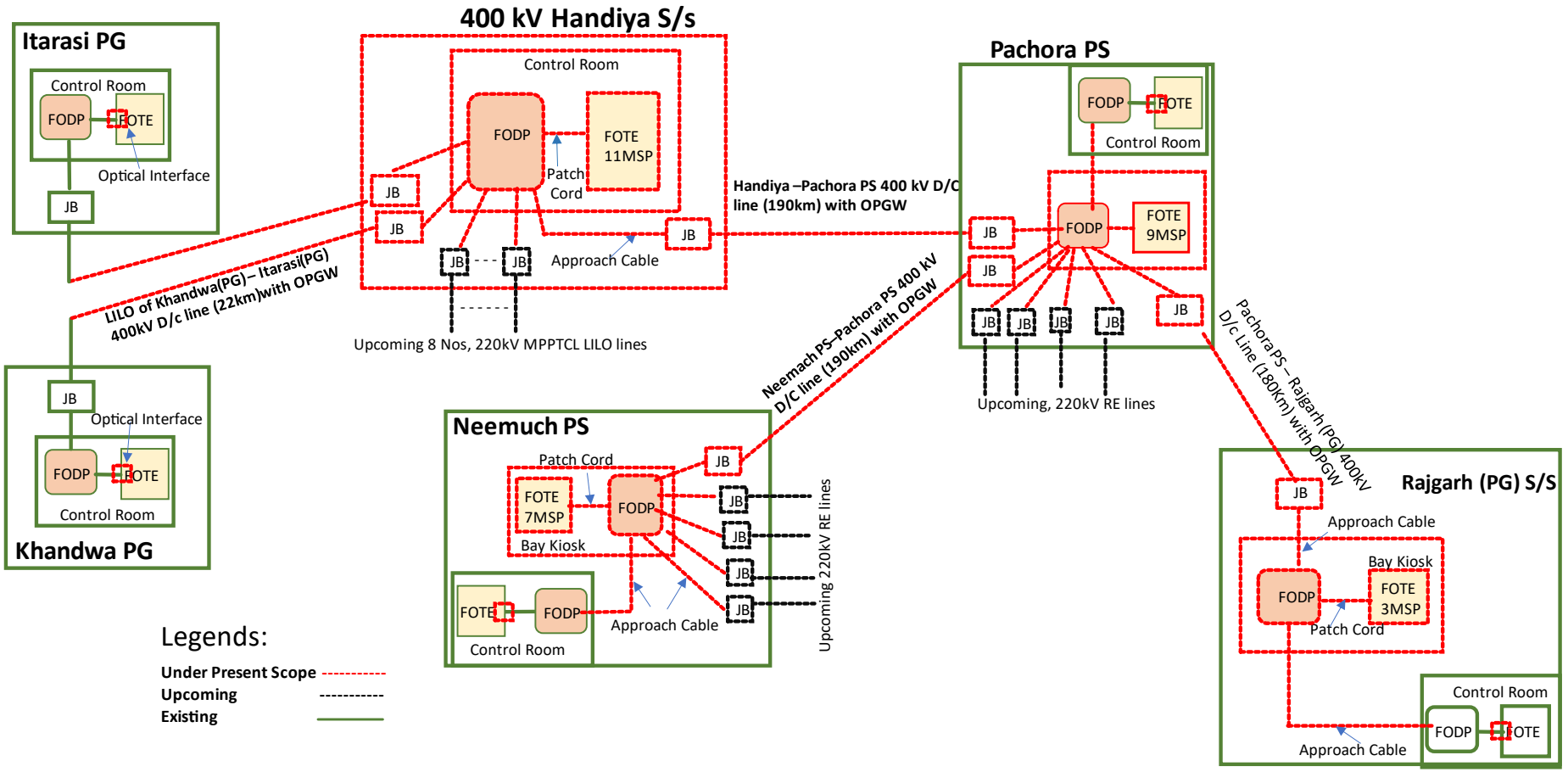


Figure F.1

Annexure-F.1

Next Generation Firewall (NGFW)

TSP shall provide 2 NGFW one in Main & another in Standby mode having electrical ethernet interfaces/ports and placed between FOTE & SAS gateway/s at the substation. All ethernet based applications shall be terminated in the firewall ports directly (e.g. PMU, AMR, VOIP, SAS/SCADA etc.). Each port of firewall shall work as a separate zone. Firewall shall be hardware based with features of Block/Allow/drop and IPSec VPN (network encryption).

The number of ports/interfaces in each firewall (i.e. Main & Standby) shall be minimum 16 nos. TSP shall provide either single firewall or multiple firewalls to meet this interfaces requirement, each for main as well as standby firewall. Minimum throughput of firewall shall be 300 Mbps.

The Firewall shall be managed/ configured as standalone at present and shall also have compatibility to manage/configure through Centralized Management Console (CMC) remotely in future.

Firewall shall be tested and certified for ISO15408 Common Criteria for least EAL4+. Further, the OEM must certify that it conforms to Secure Product Development Life Cycle requirements as per IEC62443-4-1. The firewall shall generate reports for NERC-CIP Compliance.

The specifications for the firewalls are given at **Annexure-F.2** and schematic diagram showing firewall placement given at **Figure F.2**.

Annexure F.2

Specifications of Next Generation Firewall (NGFW)

1. NGFW shall have following features including but not limited to:

   Encryption through IPSec VPN (Virtual Private Network), Deep Packet Inspection (DPI), Denial of service (DoS) and Distributed Denial of Service (DDoS) prevention, Port Block/ Allow, rules/ policies for block/allow, IP (Internet Protocol) & Media Access Control (MAC) spoofing protection, threat detection, Intrusion Prevention System (IPS), Anti-Virus, Anti-Spyware, Man In The Middle (MITM) attack prevention.

2. The proposed firewall shall be able to handle (alert, block or allow) unknown /unidentified applications e.g. unknown TCP & UDP packets. It shall have the provision to define application control list based on application group and/or list.

3. Firewall shall have feature and also have capability to update the definition/ Signatures of Anti-Virus online as well as offline. Firewall shall also be compatible to update the definitions/signatures through CMC. There shall be a defined process for security patching and firmware up-gradation. There shall be a feature to field validate firmware checksum. The same shall also be validated before using the OEM provided file/binary in the process of firmware up-gradation and security patching

4. Firewall shall have Management Console port to configure remotely.

5. Firewall shall be EMI/EMC compliant in Substation environment as per IEC 61850-3.

6. Firewall shall be rack mounted in existing standard equipment cabinets.

7. Firewall shall have support of SCADA applications (IEC-60870-5-104), ICCP, PMU (IEEE C37.118), Sub-Station Automation System (IEC 61850), Ethernet and other substation environment protocols.

8. Client based Encryption/ VPN must support different Operating System platforms e.g. Windows, Linux & Mac.

9. The solution must have content and comprehensive file detection policies, blocking the files as function of their types, protocols and directions.

10. Firewall shall have logging facility as per standard logs/events format. Firewall shall have features to export the generated/stored logs/events in csv (Comma Separated Value) and also any other standard formats for offline usage, analysis and compliance. Firewall shall have suitable memory architecture and solution to store and be enable to export all logs/events for a period of last 90 days at any given time.

11. Firewall shall have features and be compatible with local as well as central authentication system (RADIUS, LDAP, or TACACS+) for user account and access right management. It shall also have Role Based User management feature.

12. Firewall shall have the capability to configure sufficient number of VLANs.

13. Firewall shall have the capability to support sufficient number of sessions.
14. Firewall shall have provision to configure multiple IP Sec VPNs, at least 100 nos., (one-to-many or many-to-one). Shall support redundant operation with a similar router after creation of all the IP Sec VPN. IPSec VPN shall support encryption protocols as AES128, AES256 and hashing algorithms as MD5 and SHA1. IPSec VPN throughput shall support at least 300 Mbps
15. Firewall shall be capable of SNMP v3 for monitoring from Network Management system. It shall also have SNMPv3 encrypted authentication and access security
16. Firewall shall support in Active/Passive or Active-Active mode with High Availability features like load balancing, failover for firewall and IPsec VPN without losing the session connectivity.
17. Firewall should have integrated traffic shaping (bandwidth, allocation, prioritisation, etc.) functionality
18. Shall support simultaneous operation with both IPv4 and IPv6 traffic
19. Firewall shall be compatible with SNTP/NTP or any other standards for clock synchronization
20. Firewall shall have the features of port as well as MAC based security
21. Firewall shall support exporting of logs to a centralized log management system (e.g. syslog) for security event and information management.
22. Firewall time shall be kept synchronised to official Indian Timekeeping agency, time.nplindia.org.
23. Firewall product shall be provided with all applicable updates at least until 36 months since the applicable date of product shipping to the concerned utility.

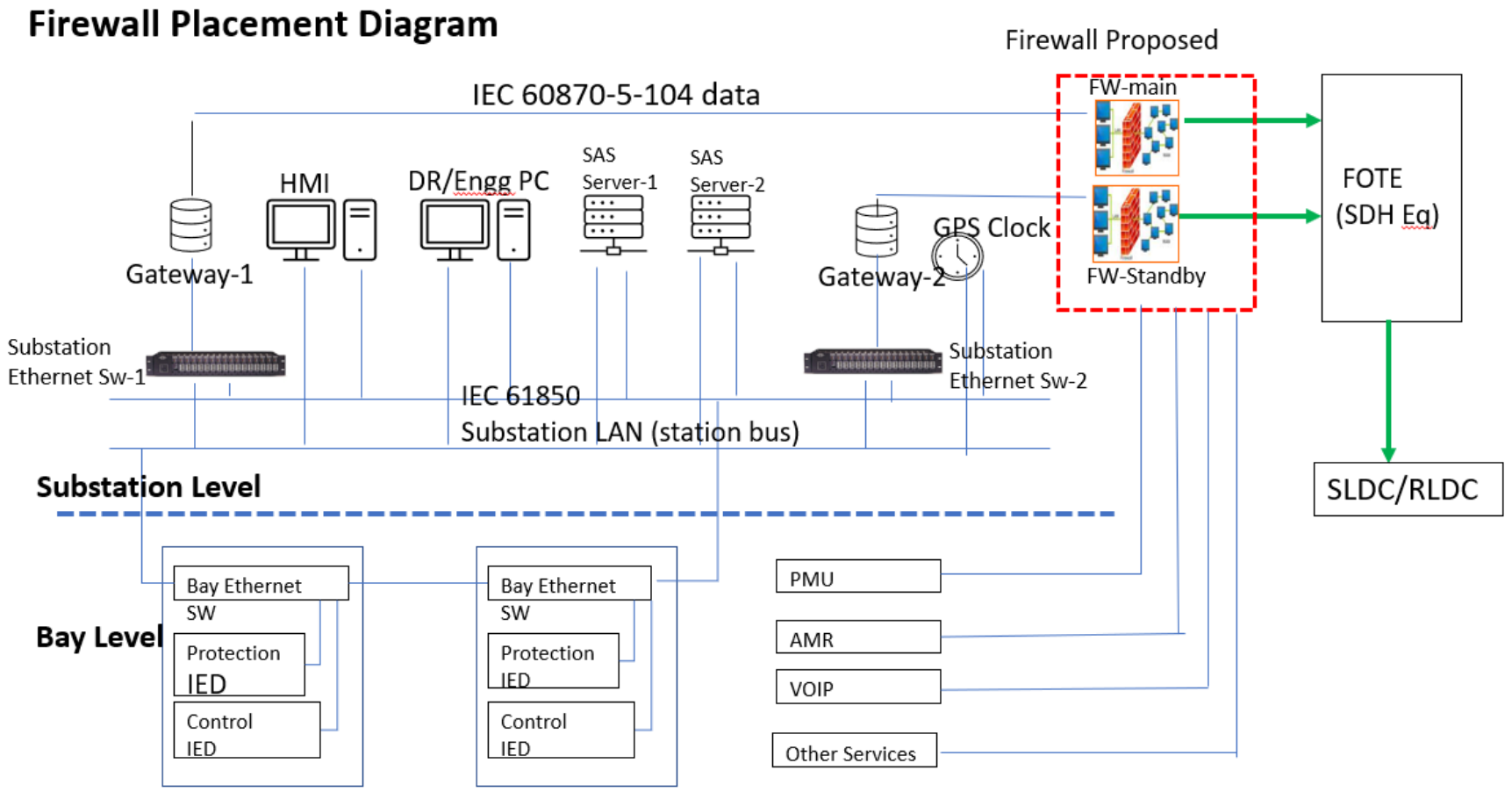

Firewall Placement Diagram
Firewall Proposed
IEC 60870-5-104 data
FW-main
FW-Standby
FOTE
(SDH Eq)
SLDC/RLDC
HMI
DR/Engg PC
SAS
Server-1
SAS
Server-2
GPS Clock
Gateway-1
Gateway-2
Substation
Ethernet Sw-1
Substation
Ethernet Sw-2
IEC 61850
Substation LAN (station bus)
Substation Level
Bay Level
Bay Ethernet
SW
Protection
IED
Control
IED
Bay Ethernet
SW
Protection
IED
Control
IED
PMU
AMR
VOIP
Other Services

Figure F.2

C.15.0 PLCC and PABX:

Power line carrier communication (PLCC) equipment complete for speech, tele-protection commands and data channels shall be provided on each transmission line. The PLCC equipment shall in brief include the following: -

- Coupling device, Coupling filters line traps, carrier terminals, protection couplers, HF cables, PABX (if applicable) and maintenance and testing instruments.
- At new substation, a telephone exchange (PABX) of 24 lines shall be provided at as means of effective communication among various buildings of the substation, remote end substations and with control centres (RLDC/ SLDC) etc.
- Coupling devices shall be suitable for phase-to-phase coupling for 400 kV Transmission lines. The pass band of coupling devices shall have sufficient margin for adding communication channel in future if required. Necessary protection devices for safety of personnel and low voltage part against power frequency voltages and transient over voltage shall also be provided.
- The line traps shall be broad band tuned suitable for blocking the complete range of carrier frequencies. Line Trap shall have necessary protective devices such as lightning arresters for the protection of tuning device. Decoupling network consisting of line traps and coupling capacitors may also be required at certain substation in case of extreme frequency congestion.
- The carrier terminals shall be of single side-band (SSB) amplitude modulation (AM) type and shall have 4 kHz band width. PLCC Carrier terminals and Protection couplers shall be considered for both ends of the line.
- **PLCC equipment for all the transmission lines covered under the scheme shall be provided by TSP. PLCC to be provided for following lines are under present scope:**

Sl. No	Line name	PLCC configuration
1	**Pachora PS – Rajgarh(PG) 400 kV D/c line**	1 set Analog PLCC + 1 set Digital Protection Coupler for each circuit at both ends.
2	**Neemuch PS – Pachora PS 400 kV D/C line**	1 set Analog PLCC + 1 set Digital Protection Coupler for each circuit at both ends.
3	**Pachora PS – Handiya 400 kV D/C line**	1 set Analog PLCC + 1 set Digital Protection Coupler for each circuit at both ends.
4	**Khandwa- Handiya 400 kV D/C line (formed after LILO)**	1 set Analog PLCC + 1 set Digital Protection Coupler for each circuit at both ends.
5	**Handiya- Itarsi 400 kV D/C Line (formed after LILO)**	1 set Analog PLCC + 1 set Digital Protection Coupler for each circuit at both ends.

- Further, CVT and Wave trap for all 400 kV and 220 kV line bays under present scope shall be provided by TSP.
- All other associated equipment like cabling, coupling device and HF cable shall also be provided by the TSP.
- Two (2) sets of 48 V battery banks for PLCC and communication equipment shall be provided at each new Substation with at least 10-hour battery backup and extended backup, if required.

Annexure – E

SPECIFIC TECHNICAL REQUIREMENTS FOR INTEGRATION OF COMMUNICATION EQUIPMENT WITH REGIONAL LEVEL NMS / REGIONAL UNMS:

The new communication equipment/ system for all the substations under the present scope shall be compatible for integration with existing regional level NMS system/ Centralized Supervision and Monitoring System (CSMS) i.e. Regional UNMS. The local configuration of the new communication equipment at the station end shall be the responsibility of TSP as per **Annexure E.1**. The configuration work in the existing centralized NMS/ CSMS at Control center end, for integration of new Communication equipment/ system shall be done by Regional ULDC Team/ NMT, however all the necessary support in this regard shall be ensured by TSP.

Annexure E.1

Requirement for integration of Communication Equipment with Regional UNMS:

1. TSP shall ensure that NMS/EMS/NE supplied by them is NBI compliant and all FCAPS functionality is supported in the NBI such as NE Inventory, Hardware Inventory – Shelf/Slot/Card/SFP/Port, Topology, Protections, Alarms, Performance-real time and periodic, Performance KPI parameters (E-1, STM, Ethernet) , Remote Configuration, Cross Connects, Trails and Circuits, Services Provisioning (NE), E-1 , STM, Ethernet , TX and RS Trace, loop back and details are published in the NBI guide for the configuration parameters.

2. TSP shall be obliged to provide/share all necessary documentations such as NBI Guide/MIB/IDL/WSDL/API files/ etc. for onward integration of their NMS/EMS/NE with regional UNMS.

3. The following support shall be provided by TSP for integration of their supplied equipment with regional UNMS:

    - Enabling and activating NBI license in their EMS/NMS and providing NBI login access along with User credentials
    - Assist in verifying NBI Connectivity with UNMS vendor for the successful communication and retrieval of data.
    - Assist in troubleshooting (if required) for NBI connectivity along with UNMS vendor for the communication and retrieval of data.

4. For standalone NE which is not integrated with any EMS/NMS, TSP shall provide modality of complete FCAPS data acquisition as above through industry standard programmatic methods and provide the CLI command manual.

Frequently Asked Queries:

1.0 Transmission Line:

1.1 Please clarify that whether shutdowns for crossing of existing transmission lines of POWERGRID/STUs/ Power Evacuation Lines from Generation Plants/ Any other Transmission Licensee will be given to TSP on chargeable basis or free of cost.

Reply: Shutdowns for crossing of existing transmission lines of POWERGRID/ STUs/ Power Evacuation Lines from Generation Plants/ Any other Transmission Licensee will be given to TSP by the concerned owner of the lines as per their own terms and conditions. As far as shutdown of ISTS lines are concerned the same can be availed by approaching respective Regional Power Committee.

1.2 We understand that the suggested swing angle criteria are applicable for Suspension Insulator in Suspension Tower. Further, you are requested to provide similar swing angle and clearance criteria for Pilot Insulator with Jumper and Jumper.

Reply: It is clarified that the swing angle criteria (as mentioned in RFP) for transmission lines is applicable for Suspension Insulator in Suspension Tower. Further, as per Clause 3.0 of Specific Technical Requirements for transmission lines, Transmission service Provider (TSP) shall adopt any additional loading/design criteria for ensuring reliability of the line, if so desired and /or deemed necessary.

1.3 We request you to kindly allow that use of diamond configuration at Power line crossings and the existing owner of the lines may be directed to allow the same for the successful bidders.

Reply: Power line crossing including Diamond configuration is responsibility of the TSP. TSP shall formally submit the profile of the crossing section to the owner of the existing line suggesting proposed crossing alternatives. The crossing will have to be carried out as per approval of owner of the existing line.

1.4 It is requested you to kindly provide present status of Forest Clearances if any transmission line corridor area falling in wildlife forest / reserve forest/ mangroves

Reply: Based on the preliminary route survey, the process of initiation of forest clearance for the forest stretches, if any, enroute the proposed line alignment will be initiated by way of writing letters to the concerned authority (ies). However, it may be noted that it will be the responsibility of TSP for obtaining forest clearance for the forest stretches as provided in the survey report and also for any forest area encountered during detailed survey.

1.5 For transmission line, no special requirement is specified for type of Insulator and creepage in RFP document. Hence it is understood that bidder can decide the type of insulator along with creepage requirement based on general CEA regulations and relevant standards. Kindly confirm.

Reply: The minimum specific creepage distances shall be decided for the pollution condition in the area of installation. It shall be as per CEA regulations and relevant standards.

2.0 Substation

2.1 We understand that space for storage of O&M spare shall be provided by existing owner within the station boundary without any cost. Kindly confirm.

Reply: Space for storage of O&M spares shall be arranged by TSP on its own.

2.2 We presume that the O&M for the end Termination bays will be in the scope of the TSP and TSP shall not be liable for any payment towards O&M to the existing owner of the substation. Kindly confirm.

Reply: Operation and maintenance of the bays is solely responsibility of the TSP. Further, TSP shall follow CEA's "Operation and Maintenance (O&M) guidelines and Standard Format for Memorandum of Understating between New TSP and Existing TSP" issued by CEA vide its letter No. I/28514/2023 dated 22.06.2023.

2.3 With reference to subject scheme of existing sub-station, we assumed following scope of work:

(a) We assumed internal road is available and need not to consider in the present scope of work.

(b) Drainage is available and need not to consider in the present scope of work.

(c) Cable trench extension in adjacent to Main cable trench only under present scope of work.

(d) Levelled area being provided by developer for bay extension.

Reply: Regarding requirement of internal road, drainage, cable trench, leveling of the bay extension area, bidder is advised to visit site and acquaint themselves with the provisions/facilities available at substation.

2.4 Kindly provide the soil investigation report of soil parameters of existing substation.

Reply: Bidder is advised to visit the substation site and ascertain the requisite parameters.

2.5 Kindly confirm, energy accounting of aux. power consumption. Whether it will be on chargeable basis or part of transmission loss.

Reply: It will be on chargeable basis.

2.6 We understand that VMS requirement is for unmanned stations only. For Manned stations VMS is not compulsory.

Reply: VMS shall be provided in line with requirements of RfP document.

2.7 It is understood that Construction water and power shall be provided free of cost to TSP by respective substation owner for construction of new bays.

Reply: Arrangement of construction power and water is in the scope of TSP.

2.8 It is understood that existing fire hydrant system shall be extended by the TSP for bay extension.

Reply: Existing fire hydrant system shall be extended from existing system (if required)

2.9 Please clarify that Status of land acquisition for Substations. Whether the lands have been acquired by BPC and will be transferred to TSP.

Reply: The acquisition of land for substation is in the scope of TSP.

2.10 We understood that no any dedicated metering CT and CVT required for Line/feeders. Further, we understood that requisite Energy meters for various 765 kV, 400 kV and 220 kV Feeders shall be provided and installed by CTU free of cost to TSP.

Reply: Dedicated metering CT and CVT are not required for line/feeders. Metering core of existing CT/CVT can be used provided accuracy class is matching with metering requirement. Requisite Special Energy Meters shall be provided and installed by CTU at the cost of TSP in C&P panel subject to space availability, else, in separate metering panel (to be provided by TSP at its cost).

2.11 A draft copy of the Connection Agreement may be furnished. A draft copy of the Connection Agreement may be furnished.

Reply: Web page link https://www.ctuil.in/formats_gna_transition

2.12 Please clarify whether the spare 765 kV single phase Reactor unit for Bus reactor shall be provided with 1ph 765 kV CB.

Reply: As per RfP, the spare 1-Ph reactor unit shall be utilized for all the bus and switchable line reactor banks (including for future reactor banks). Hence, 1ph 765 kV CB shall also be provided with spare 1-Ph reactor for utilizing with bus reactor as well as switchable line reactor.

2.13 It is understood that existing busbar protection have provision for future bays and also PUs are available for future bays. BPC to confirm availability of CU and PU for bays under present scope of work at existing substations. BPC may kindly confirm availability of communication ports for integrating new PUs with the existing CUs at existing substations.

Reply: Bus Bar Protection with Central Unit (CU) is required for new bus section as specified in RfP. Peripheral Units (PUs) shall be provided by the respective bay owner. Further, augmentation/replacement of existing CU, if required, to meet the system requirement shall also be provided for proper functioning of bus bar protection.

2.14 For SCADA, it is understood that necessary process I/O shall be available for future bays and accordingly license for same. BPC to confirm.

Reply: Necessary process I/O along with license shall be in the scope of the successful bidder.

2.15 No separate FF system is envisaged under the present scope of work for existing substation. BPC to confirm.

Reply: Existing fire-fighting systems shall be extended to meet the additional requirements under present scope.

2.16 PLCC for 220 kV Lines are not under the scope of TSP. BPC to Confirm.It is requested to provide Type of Coupling for 220 kV Transmission Lines under present scope.

Reply: PLCC for 220 kV line is in the scope of developer of the line.

Inter circuit coupling for 220 kV D/C and phase to phase coupling for 220 kV S/C shall be applicable for PLCC.

2.17 BPC is requested to confirm the availability of space in the existing control rooms at existing substation for execution of extension work under current project.

Reply: Switchyard Panel Rooms are generally required for AIS type substation and relay room are required for GIS type substation. Further, if needed, control room shall be augmented as per requirement.

3.0 Communication

3.1 What are the usage of OPGW, FOTE, PMU etc. under communication

requirement of RFP?

Reply: User shall be responsible for providing compatible equipment along with appropriate interface for uninterrupted communication with the concerned control center and shall be responsible for successful integration with the communication system provided by CTU.

Communication systems e.g. OPGW, FOTE etc. and PMU are required for grid operation through RLDC/SLDC, speech communication, tele-protection and tele-metering.

3.2 Is space for installation of communication panels are provided to TSP in existing Substations incase new bays are in the scope of TSP?

Reply: The space related issues are deliberated in the RfP itself. TSP to install FOTE/FODP panels in the new Bay Kiosk (Switchyard Panel Room (SPR)) / Bay Kisok/ Relay Panel Room (in case of GIS S/s). Further, TSP to connect and integrate the proposed FOTE with the existing FOTE in the control room to complete communication path upto RLDC.

In Case 132 kV Substation TSP shall accommodate the said panels either by extension of existing control room or other arrangements.

3.3 How is the OPGW laying done in case of LILO lines?

Reply: In case LILO lines are on same towers (e.g. both Line in and Line Out portion are on same towers, generally done LILO of S/C lines). Then 2x48F OPGW shall be required to install by TSP on both earthwire peak on 400 kV and 765 kV lines where two E/W peaks are available. On 220 kV and 132 kV lines where only one E/W peak is available TSP to install one no. 48F OPGW.

Incase LILO lines are on different towers (e.g. both Line In and Line Out portion are on different towers, generally done LILO of D/C lines). Then 1x48F OPGW shall be required to install by TSP on one earthwire peak and conventional earthwire on second earthwire peak, on both Line In and Line Out portion towers of 400 kV and 765 kV lines. On 220 kV and 132 kV lines where only one E/W peak is available TSP to install one no. 48F OPGW in place of conventional earthwire.

3.4 How is the OPGW laying done in case Multi circuit Towers?

Reply: In case two different lines are using common multi circuit portion for some distance (originating from different stations, may be terminating on same or on different stations). Two no. 48F OPGW to be installed on both E/W peaks for common M/C portion of 765 kV and 400 kV lines.

Incase 220/132 kV lines using multi circuit portion where single E/W peak is available one no. 48F may be installed for common multi circuit portion.

3.5 How PMUs are integrated for new bays at existing Substations?

Reply: PMU data of new bays to be provided in the ethernet port of switch at control room and thereafter to be connected with existing FOTE of existing substation to send data to PDC of RLDC by TSP. These PMUs shall be provided with GPS clock and LAN switch and shall connect with LAN switch of control room of respective substations with Fibre Optic cable

3.6 Is Spare direction available in existing FOTE for integration with new bay kiosk FOTE

Reply: The FOTE under present scope shall be integrated by TSP with the existing FOTE at control room of substation for onwards data transmission.

In case spare optical direction is not available in the existing FOTE at the control room, the TSP shall coordinate with station owner to reconfigure the directions in existing FOTE at control room.

3.7 What is the distance from LILO point to proposed substation for feasibility of repeater station?

Reply: Tentative Location of LILO point shall be as per survey report of BPC however exact location to be ascertained after detailed survey by TSP.

3.8 What is the make and model of existing OPGW in case LILO of main line at new substation?

Reply: All OPGW(alongwith optical fibers) meet Central Electricity Authority (Technical Standards for Communication System in Power System Operations) Regulations, 2020 and bidder shall install OPGW accordingly.

3.9 In case of LILO of existing line at new substation who shall provide PMUs at existing substation bays?

Reply: TSP to provide PMUs for all bays under their scope of RFP.

4.0 Planning :

4.1 Whether the Project/ Elements are eligible for early commissioning incentive as per MoP, GoI order dated 15.07.2015.?

Reply: Commissioning is to be done as per the timeline mentioned in RfP. However, early commissioning shall be treated as per applicable CERC Regulations/orders.

REC Power Development and Consultancy Limited
(Formerly known as REC Power Distribution Company Limited,
A wholly owned subsidiary of REC Limited, a 'Maharatna CPSE'
under Ministry of Power, Govt. of India)

REC Power Development

संदर्भ संख्या: RECPDCL/TBCB/Rajgarh-III & Neemuch-II/24-25/0307 दिनांक: 24.03.2025

सेक्रेटरी,
केन्द्रीय विद्युत विनियामक आयोग,
6वीं, 7वीं और 8वीं मंजिल, टावर-बी, वर्ल्ड ट्रेड सेंटर
नौरोजी नगर, तीसरा नई दिल्ली - 110029

Subject: Global Invitation for selection of Transmission Service Provider to establish "Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III" and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh- Phase II" **-Copy of RFP Notification.**

महोदय,

As you may kindly be aware that Ministry of Power, GoI Gazette notification no.1308 [F.No. 15/3/2018-Trans-Part (4)] dated 19.03.2025 wherein REC Power Development and Consultancy Limited has appointed as Bid Process Coordinator (BPC) by Ministry of Power, GoI for selection of Transmission Service Provider to establish transmission system on Build, Own, Operate & Transfer (BOOT) basis for the subject cited transmission project.

Accordingly, in accordance with the provision of Clause 4.2 of "Tariff Based Competitive Bidding Guidelines for Transmission Service" issued by Ministry of Power, GoI, we would like to intimate that the RFP process for the subject cited project has been initiated by way of global invitation in National/International newspapers on 23.03.2025 for selection of bidder as Transmission Service Provider. The important timelines in this regard is as below. :-

Sr. No.	Name of the Project	Last date of RFP Purchase	Last date for submission of response to RFP
1.	Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III" and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh- Phase II	27.05.2025	28.05.2025 up to 1500 Hrs (IST)

The RfP notification and RfP document for the above project has also been uploaded on our websites www.recindia.nic.in and www.recpdcl.in.

In this regard, we are forwarding one copy of Request for Proposal (RfP) document of the above transmission project for your kind information and reference please.

धन्यवाद,

भवदीय,
(अनिल कुमार पेराला)
मुख्य प्रबंधक (तकनीकी)

संलग्न: जैसा कि ऊपर बताया गया है

REC Power Development and Consultancy Limited
(Formerly known as REC Power Distribution Company Limited,
A wholly owned subsidiary of REC Limited, a 'Maharatna CPSE'
under Ministry of Power, Govt. of India)

REC Power Development

संदर्भ संख्या: RECPDCL/TBCB/Rajgarh-III & Neemuch-II/24-25/4203 दिनांक: 24.03.2025

निदेशक (पारेषण)
ऊर्जा मंत्रालय,
श्रमशक्ति भवन, रफी मार्ग,
नई दिल्ली-110001

Subject: Global Invitation for selection of Transmission Service Provider to establish Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III" and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh- Phase II" -**Copy of RFP Notification.**

महोदय,

As you may kindly be aware that Ministry of Power, GoI Gazette notification no. 1308 [F.No. 15/3/2018-Trans-Part (4)] dated 19.03.2025 wherein REC Power Development and Consultancy Limited has appointed as Bid Process Coordinator (BPC) by Ministry of Power, GoI for selection of Transmission Service Provider to establish transmission system on Build, Own, Operate & Transfer (BOOT) basis for the subject cited transmission project.

Accordingly, we would like to intimate you that RECPDCL has issued Global Invitation in National/International newspapers on 23.03.2025 for selection of TSP to establish Transmission system through Tariff Based Competitive Bidding Process following single stage two envelope process of "Request for Proposal" for above mentioned Transmission Project. The important timelines in this regard is as below: -

Sr. No.	Name of the Project	Last date of RFP Purchase	Last date of submission of response
1.	Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III" and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh- Phase II	27.05.2025	28.05.2025 up to 1500 Hrs (IST)

The RfP notification and RfP document for the above project has also been uploaded on our websites www.recindia.nic.in and www.recpdcl.in.

In line with provision of Clause 9 of 'Tariff Based Competitive Bidding Guidelines for Transmission Service', the RFP notification is also required to be published on MoP's website. Accordingly, we are attaching herewith Global Invitation (in English & Hindi) with a request to arrange uploading of the same on Ministry's website at the earliest.

In this regard, we are forwarding one copy of Request for Proposal (RfP) document of the above transmission project for your kind information and reference please.

धन्यवाद,

भवदीय,

24/03/25

(अनिल कुमार पेराला)
मुख्य प्रबंधक (तकनीकी)

संलग्न: जैसा कि ऊपर बताया गया है

प्रतिलिपि:

1. संयुक्त सचिव (पारेषण), विद्युत मंत्रालय, श्रम शक्ति भवन, रफी मार्ग, नई दिल्ली - 110 001

since *No Time to Die* in 2021.

Broccoli and Wilson retained creative control in the sale to Amazon, including final say over casting and direction, and they resisted ideas from Amazon Prime Video executives Mike Hopkins and Jennifer Salke, causing relations between the camps to deteriorate, according to people familiar with the situation.

The appointment of Pascal and Heyman came after Broccoli and Wilson finalised the deal announced last month, which will form a joint venture to house the James Bond intellectual property rights.

Under the terms of the venture, Broccoli and Michael G Wilson have so masterfully steered, with the "greatest sense of responsibility," said Courtenay Valenti, Amazon MGM Studios head of film.

Pascal and Heyman will face an early challenge in casting a new Bond.

Amazon executive chair Jeff Bezos hinted at the process last month, posting on social media platform X: "Who'd you pick as the next Bond?"

In a joint statement, the executives said they were "humbled" to follow in the footsteps of Broccoli and Wilson and "excited to keep the spirit of Bond very much alive as he embarks on his next adventure".

spending boom

Bretagne, a former supplier to carmaker Renault.

"The automotive industry is changing completely, the volumes of the Fonderie are shrinking dramatically, and there is no activity that can replace it so quickly as the defence industry," chief executive Jérôme Garnache-Creuillot told French TV. He said the Fonderie had the potential to make up to 3mn artillery shells a year.

It is not hard to see why companies are contemplating such a shift. Share prices of Europe's automotive sector are flat over the past three years, while defence stocks have more than quadrupled. But the defence sector is no panacea for Europe's industrial woes. Moving into military gear can be a time-consuming and costly process with many permits needed.

Some prominent industrialists question the logic of the shift. John Elkann, chair of Franco-Italian carmaker Stellantis, told the Italian parliament recently that the US and China had both strong car and defence sectors, meaning no choice needed to be made between the two. "We don't think the future of the car is the defence industry," he said.

Karlsson says he prefers to invest in companies that have civilian and defence applications, and to switch between them depending on demand.

One example is Arbenaut, a Finnish company that digitalises forests. "It is similar to pre-battlefield planning tools: how can you plan your communication lines, your logistics lines, where can you go with your vehicles, how can the enemy navigate through the area?" he asks. They are questions many more European companies will probably ask themselves in the rush to benefit from extra defence spending.

richard.milne@ft.com

furnaces until two less carbon-intensive electric arc furnaces are up and running. Unions have been concerned that the rapid closure of the blast furnaces would result in the loss of up to 2,000 jobs within months.

As part of the plan, however, unions wanted the government to provide an extra £200mn to help mitigate the expected carbon costs associated with keeping the blast furnaces running.

Jones told MPs that there was "no deadline" on the talks with the company.

Liam Byrne, chair of the business select committee, said it was "deeply troubling news".

Contracts & Tenders

REC POWER DEVELOPMENT AND CONSULTANCY LIMITED
(A wholly owned subsidiary of REC Ltd.)

GLOBAL INVITATION (Through e-Bidding Only)
FOR SELECTION OF TRANSMISSION SERVICE PROVIDER THROUGH TARIFF BASED COMPETITIVE BIDDING (TBCB) PROCESS ON BUILD, OWN, OPERATE AND TRANSFER (BOOT) BASIS FOR ISTS (INTER - STATE TRANSMISSION SYSTEM) PROJECT

REC Power Development and Consultancy Limited, New Delhi, India (a wholly owned subsidiary of REC Limited, a Maharatna Central Public Sector Undertaking) invites proposal for setting up of the below mentioned transmission project through TBCB process on Build, Own, Operate and Transfer (BOOT) basis following single stage two envelope process of 'Request for Proposal (RFP)'. Interested bidders may refer to the Request for Proposal (RFP) notifications and RFP documents available on our websites www.recpdcl.in & www.recindia.nic.in w.e.f. 24.03.2025.

The bidders may obtain the RFP documents on all working days between 1030 hours (IST) to 1800 hours (IST) from 24.03.2025 to one day prior to bid submission date on payment of non-refundable fee of Rs. 5,00,000/- (Rupees Five Lakh Only) or US$ 7000 (US Dollars Seven Thousand Only) + 18% GST as per details provided in the RFP documents available on the website www.recpdcl.in & www.recindia.nic.in. However in such cases interested parties can submit Response to RFP only on submission of non-refundable fee of Rs. 5,00,000/-(Rupees Five Lakh Only) or US$ 7000 (US Dollars Seven Thousand Only) + 18% GST as per details provided in the RFP document. The survey report & clarifications to RFP documents shall be issued to those bidders, who have obtained/purchased RFP documents by paying requisite fee. The important timelines in this regard are as follows:

Sr. No.	Name of Project	Last Date for Seeking Clarifications	Last Date for submission of Response to RFP	Date of Opening of Response to RFP
1.	Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II	14.04.2025	28.05.2025 up to 1500 Hrs (IST)	28.05.2025 at 1530 Hrs (IST)

All corrigenda, addenda, amendments, time extensions, etc. to the RFP will be hosted on our website www.recpdcl.in & www.recindia.nic.in. Bidders should regularly visit our websites to keep themselves updated.

Note: REC/PDCL reserves the right to cancel or modify the process without assigning any reason and without any liability. This is not an offer.

Chief Executive Officer
REC Power Development and Consultancy Ltd.
Core-4, SCOPE Complex, 7, Lodhi Road, New Delhi-110003 (India)

Bid Process Coordinator
REC Power Development and Consultancy Limited

An Initiative of
Ministry of Power, Government of India

In Initiative Partner
Central Electricity Authority

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सत्यमेव जयते

GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS

Central Registration Centre

Certificate of Incorporation

[Pursuant to sub-section (2) of section 7 and sub-section (1) of section 8 of the Companies Act, 2013 (18 of 2013) and rule 18 of the Companies (Incorporation) Rules, 2014]

I hereby certify that RAJGARH NEEMUCH POWER TRANSMISSION LIMITED is incorporated on this SEVENTEENTH day of JUNE TWO THOUSAND TWENTY FIVE under the Companies Act, 2013 (18 of 2013) and that the company is Company limited by shares

The Corporate Identity Number of the company is **U42202DL2025GOI450309**

The Permanent Account Number (PAN) of the company is **AAOCR7530D***

The Tax Deduction and Collection Account Number (TAN) of the company is **DELR52658E***

Given under my hand at Manesar this SEVENTEENTH day of JUNE TWO THOUSAND TWENTY FIVE

Certification signature by DS MINISTRY OF CORPORATE AFFAIRS , CRC MANESAR 2 <ROC.CRC@MCA.GOV.IN>, Validity Unknown

Digitally signed by DS MINISTRY OF CORPORATE AFFAIRS , CRC MANESAR 2
Date: 2025.06.17 18:52:24 IST

PRAMOD KUMAR

Assistant Registrar of Companies/ Deputy Registrar of Companies/ Registrar of Companies

For and on behalf of the Jurisdictional Registrar of Companies

Registrar of Companies

Central Registration Centre

Disclaimer: This certificate only evidences incorporation of the company on the basis of documents and declarations of the applicant(s). This certificate is neither a license nor permission to conduct business or solicit deposits or funds from public. Permission of sector regulator is necessary wherever required. Registration status and other details of the company can be verified on mca.gov.in

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

RAJGARH NEEMUCH POWER TRANSMISSION LIMITED

CORE-4, SCOPE COMPLEX, 7, LODHI ROAD, Lodi Road, New Delhi, South Delhi- 110003, Delhi

*as issued by Income tax Department

RAJGARH NEEMUCH POWER TRANSMISSION LIMITED

Core-4, Scope Complex,7, Lodhi Road, New Delhi-110003, India
CIN: U42202DL2025GOI450309 Email: spv@grinfra.com; Ph. No.: 0294-2487370

CERTIFIED TRUE COPY OF RESOLUTION PASSED BY BOARD OF DIRECTORS OF RAJGARH NEEMUCH POWER TRANSMISSION LIMITED IN THEIR MEETING HELD ON MONDAY, 29TH SEPTEMBER 2025 AT 2ND FLOOR, NOVUS TOWER, PLOT NO. 18, SECTOR 18, GURUGRAM, HARYANA-122015.

"**RESOLVED THAT** Mr. Ashwin Agarwal, Mr. Vivek Pratap Singh, Mr. Saurabh Kaushik and Mr. Pothiawala Afak Authorized Signatories of the Company be and are hereby severally authorized to sign and submit petitions, affidavits, agreements, declarations, undertakings, deeds, Bills and other documents in connection therewith or incidental thereto before Central Electricity Regulatory Commission (CERC) or Appellate Tribunal for Electricity (APTEL) or Regional Power Committees and Regional Load Dispatch Centers and other regulatory authorities for and on behalf of the Company.

RESOLVED FURTHER THAT the above Authorized Signatories be and are hereby further severally authorized:

(a) to issue notices, affidavit and other documents, communications to Long Term Transmission Customers and other Parties/ agencies.
(b) to file Petition, Affidavit, Notices and other documents before Regulatory Commission or other Electricity body, Appellate Tribunal for Electricity and Supreme Court for issues arising out of Transmission Service Agreement.
(c) to engage, appoint or remove any pleaders or advocates, and sign vakalatnamas, power of attorney for such engagement or appointment and (d) to file appeal and defend the interest of the Company."

Certified True Copy

For Rajgarh Neemuch Power Transmission Limited

Saurabh Kaushik
Additional Director
DIN: 10479173

RAJGARH NEEMUCH POWER TRANSMISSION LIMITED

Annexure P-4(Colly)

Form No. INC-33



Form language

(•) English ( ) Hindi

e-MOA (e-Memorandum of Association)
[Pursuant to Schedule I (see Sections 4 and 5) to the Companies Act, 2013)]

Refer instruction kit for filing the form

*All fields marked in * are mandatory*

*** Table applicable to company as notified under schedule I of the Companies Act, 2013**

(A - MEMORANDUM OF ASSOCIATION OF A COMPANY LIMITED BY SHARES
B - MEMORANDUM OF ASSOCIATION OF A COMPANY LIMITED BY GUARANTEE AND NOT HAVING A SHARE CAPITAL
C - MEMORANDUM OF ASSOCIATION OF A COMPANY LIMITED BY GUARANTEE AND HAVING A SHARE CAPITAL
D - MEMORANDUM OF ASSOCIATION OF AN UNLIMITED COMPANY AND NOT HAVING SHARE CAPITAL
E - MEMORANDUM OF ASSOCIATION OF AN UNLIMITED COMPANY AND HAVING SHARE CAPITAL)

A - MEMORANDUM OF ASSOCIATION OF A COMPANY LIMITED BY SHARES

Table A/B/C/D/E

1 The name of the company is

RAJGARH NEEMUCH POWER TRANSMISSION LIMITED

2 The registered office of the company will be situated in the State of

Delhi

3 (a) The objects to be pursued by the company on its incorporation are:

1.To plan, promote and develop an integrated and efficient power transmission system network in all its aspects including planning, investigation, research, design and engineering, preparation of preliminary, feasibility and definite project reports, construction, operation and maintenance of transmission lines, sub-stations, load dispatch stations and communication facilities and appurtenant works, coordination of integrated operation of regional and national grid system, execution of turn-key jobs for other utilities/organizations and wheeling of power in accordance with the policies, guidelines and objectives laid down by the Central Government from time to time.
2. To study, investigate, collect information and data, review operation, plan, research, design and prepare Report, diagnose operational difficulties and weaknesses and advise on the

remedial measures to improve, undertake development of new and innovative product connected with business of the Company as well as modernize existing EHV, HV lines and Sub-Stations.
3.To act as consultants, technical advisors, surveyors and providers of technical and other services to Public or Private Sector enterprises engaged in the planning, investigation, research, design and preparations of preliminary, feasibility and definite project reports, manufacture of power plant and equipment, construction, generation, operation and maintenance of power transmission system from power generating stations and projects, transmission and distribution of power.
4.To plan, promote, develop, erect and maintain, operate and otherwise deal in Telecommunication networks and services in all its aspects including planning, investigation, research, design and engineering, preparation of preliminary, feasibility and definite project reports: to purchase, sell, import, export, assemble, manufacture, install, commission, maintain, operate commercially whether on own or along with other, on lease or otherwise. These networks and for such purposes to set up and/ or install all requisite communications facilities and other facilities including fibre optic links, digital microwave links, communication cables, other telecommunication means, telephone and other exchanges, co-axial stations, microwave stations, repeater stations, security system databases, billing systems, subscriber management systems and other communication systems whether consisting of sound, visual impulse, or otherwise, existing or that may be developed or invented in the future and to

	manufacture, purchase, sell, import, export, assemble, take or give on lease/rental/subscription basis or by similar means or otherwise deal in all components and other support and ancillary hardware and software systems, accessories, parts and equipments etc. used in or in connection with the operation of the above communication systems and networks including to deal with telecommunication operations or directly with the general public, commercial companies or otherwise.
(b) *Matters which are necessary for furtherance of the objects specified in clause 3(a) are	1.To obtain license, approvals and authorization from Governmental Statutory and Regulatory Authorities, as may be necessary to carry out and achieve the Objects of the Company and connected matters which may seem expedient to develop the business interests of the Company in India and abroad. 2.To enter into any arrangement with the Government of India or with any State Government or with other authorities/ commissions, local bodies or public sector or private sector undertakings, Power Utilities, Financial Institutions, Banks, International Funding Agencies and obtain such charters, subsidies, loans, advances or other money, grants, contracts, rights, sanctions, privileges, licenses or concessions whatsoever (whether statutory or otherwise) which the Company may think it desirable to obtain for carrying its activities in furthering the interests of the Company or its members. 3.To enter into any agreement, contract or any arrangement for the implementation of the power generation, evacuation, transmission and distribution system and network with Power/ Transmission Utilities, State Electricity Boards, Vidhyut Boards, Transmission

Companies, Generation Companies,
Licensees, Statutory bodies, other organizations (whether in Private, Public or Joint Sector Undertaking) and bulk consumers of power etc.
4.To secure the payments of money, receivables on transmission and distribution of electricity and sale of fuel, as the case may be, to the State Electricity Boards, Vidyut Boards, Transmission Utilities, Generating Companies, Transmission Companies, Distribution Companies, State Governments, Licensees, statutory bodies, other
organizations (whether in Private, Public or Joint Sector Undertaking) and bulk consumers of power etc. through Letter of Credits/ESCROW and other security documents.
5.To coordinate with the Central Transmission Utility of electricity generated by it under the relevant provisions of Electricity Act 2003 and any amendments thereto.
6.Subject to provisions of Sections 73, 74, 179, 180 & 186 and other applicable provisions of the Companies Act, 2013 and rules made thereunder and subject to other laws or directives, if any, of SEBI/RBI, to borrow money in Indian rupees or foreign currencies and obtain foreign lines of credits/ grants/ aids etc. or to receive money or deposits from public for the purpose of the Company's business in such manner and on such terms and with such rights, privileges and obligations as the Company may think fit. The Company may issue bonds/ debentures whether secured or unsecured; bills of exchange, promissory notes or other securities, mortgage or charge on all or any of the immovable and movable properties, present or future and all or any of the uncalled capital for the time being of the Company as the

Company may deem fit and
To repay, redeem or pay off any such securities or charges.
7.To lend money on property or on mortgage of immovable properties or against Bank guarantee and to make advances of money against future supply of goods and services on such terms as the Directors may consider necessary and to invest money of the Company in such manner as the Directors may think fit and to sell, transfer or to deal with the same.
8.To own, possess, acquire by purchase, lease or otherwise rights, title and interests in and to, exchange or hire real estate, equipment, Transmission lines, lands, buildings, apartments, plants, equipment, machinery, fuel blocks and hereditaments of any tenure or descriptions situated in India or abroad or any estate or interest therein and any right over or connected with land so situated and turn the same to account in any manner as may seem necessary or convenient for the purpose of business of the Company and to hold, improve, exploit, reorganize,
manage, lease, sell,
exchange or otherwise dispose of the whole or any part thereof.
9.Subject to applicable provisions of Companies Act, 2013, to subscribe for, underwrite, or otherwise acquire, hold, dispose of and deal with the shares, stocks, debentures or other securities and titles of indebtedness or the right to participate in profits or other similar documents issued by any Government authority, Corporation or body or by any company or body of persons and any option or right in respect thereof.
10.To create any depreciation fund, reserve fund, sinking fund, insurance fund, gratuity, provident fund or any other fund, for depreciation or for repairing, improving extendingor

maintaining any of the properties of the Company or for any other purposes whatsoever conducive to the interests of the Company.

11.To acquire shares, stocks, debentures or securities of any company carrying on any business which this Company is entitled to carry on or acquisition of undertaking itself which may seem likely or calculated to promote or advance the interests of the Company and to sell or dispose of or transfer any such shares, stocks or securities and the acquired undertaking.

12.To enter into partnership or into any agreement for joint working, sharing or pooling profits, joint venture, amalgamation, union of interests, co-operation, reciprocal concessions or otherwise or amalgamate with any person or company carrying on or engaged in or about to carry on or engaged in any business or transaction in India or abroad which the Company is authorized to carry on or engage in any business undertaking having objects identical or similar to, as are being carried on by this Company.

13.To establish and maintain agencies, branch offices and local agencies, to procure business in any part of India and world and to take such steps as may be necessary to give the Company such rights and privileges in any part of the world as deemed proper in the interest of the Company.

14.To promote and undertake the formation of any institution or Company or subsidiary company or for any aforesaid objects intended to benefit the Company directly or indirectly and to coordinate, control and guide their activities.

15(a).To negotiate and enter into agreements and contracts with domestic and foreign companies,

persons or other organizations, banks and financial institutions, in relation to the business of the Company including that of technical know-how, import, export, purchase or sale of plant, machinery, equipment, tools, accessories and consumables, financial assistance and for carrying out all or any of the objects of the Company.
15(b). To negotiate and enter into
agreements and contracts for execution of turnkey jobs, works, supplies and export of plant, machinery, tools and accessories etc.
16.Upon and for the purpose of any issue of shares, debentures or any other securities of the Company, to enter into agreement with intermediaries including brokers, managers of issue/commission agents and underwriters and to provide for the remuneration of such persons for their services by way of payment in cash or issue of shares, debentures or other securities of the Company or by granting options to take the same or in any other manner as permissible under the law.
17.To enter into contracts of indemnity and get guarantee and allocations for the business of the Company.
18.To make arrangements for training of all categories of employees and to employ or otherwise engage experts, advisors, consultants etc. in the interest of achieving the Company's objects.
19.To promote conservation and protection of electricity from theft, safety of life and to protect environments including air, land and water etc.
20.To pay and provide for the remuneration, amelioration and welfare of persons employed or formerly employed by
the Company and their families providing for pension, allowances, bonuses, other payments or by creating for the

purpose from time to time the Provident Fund, Gratuity and other Funds or Trusts. Further to undertake building or contributing to the building or houses, dwellings or chawls by grants of money, or by helping persons employed by the Company to effect or maintain insurance on their lives by contributing to the payment of premium or otherwise and by providing or subscribing or contributing towards educational institutions, recreation, hospitals and dispensaries, medical and other assistance as the Company may deem fit.

21.To ensure any rights, properties, undertakings, contracts, guarantees or obligations or profits of the Company of every nature and kind in any manner with any person, firm, association, institution or company.

22.To distribute among members of the Company dividend including bonus shares out of profits, accumulated profits or funds and resources of the Company in any manner permissible under law.

23.To institute, conduct, defend, compound or abandon any legal proceedings by or against the Company or its officers or otherwise concerning the affairs of the Company and also to compound and to allow time for payment or satisfaction of any debts or recovery due, claims or demands by or against the Company and to refer any claims or demands by or against the Company or any differences arising in execution of contracts to conciliation and arbitration and to observe, comply with and/or challenge any awards preliminary, interim or final made
in any such arbitration.

24.To pay
out of the funds of the Company all costs, charges, expenses and preliminary and

incidental to the promotion, formation, establishment and registration of the Company or other expenses incurred in this regard.

25.Subject to provisions of Sections 181, 182 & 183 of Companies Act, 2013 to contribute money or otherwise assist to charitable, benevolent, religious, scientific national, defense, public or other institutions or objects or purposes.

26.To open an account or accounts with any individual, firm or company or with any bank bankers or shroofs and to pay into and withdraw money from such account or accounts.

27.To accept gifts, bequests, devises and donations from members and others and to make gifts to members and others of money, assets and properties of any kind.

28.To carry out all or any of the objects of the company and do all or any of the above things in any part of the world and either as principal, agent, contractor or trustee or otherwise and either alone or in conjunction with others.

29.To negotiate and/or enter into agreement and contract with individuals, companies, corporations, foreign or Indian, for obtaining or providing technical, financial or any other assistance for carrying on all or any of the objects of the Company and also for the purpose of activating, research, development of projects on the basis of know-how and/or financial participation and for technical collaboration, and to acquire or provide necessary formulate and patent rights for furthering the objects of the company.

30.To aid peculiarly or otherwise, any association, body or movement having for its object the solution, settlement or surmounting of industrial or labour problems or trouble or

the promotion of industry or trade.

31.Subject to the provisions of Companies Act, 2013 or any amendment or re-enactment thereof in the event of winding up to distribute among the members in specie any property of the Company or any proceeds of sale on disposal of any property in accordance with the provisions of the Act.

32.To do all such other things as may be deemed incidental or conducive to the attainment of the above Objects or any of them and to carry on any business which may seem to the Company capable of being conveniently carried in connection with any of the Company's Objects or calculated directly or indirectly to enhance the value of or render profitable any of the Company's property or rights.

33.To establish, provide, maintain and conduct or otherwise subsidies research laboratories and experimental workshops for scientific, technical or researches, experiments and to undertake and carry on directly or in collaboration with other agencies scientific and technical research experiments and tests of all kinds and to process, improve and invent new products and their techniques of manufacture and to promote, encourage, reward in every manner studies and research, scientific and technical investigations and inventions of any kind that may be considered likely to assist, encourage and promote rapid advances in technology, economies, import substitution or any business which the Company is authorized to carry on.

34.Subject to provisions of the Companies Act, 2013, to evolve scheme for restructuring or arrangement, to amalgamate or merge or to enter into partnership or into any consortium or arrangement for

sharing of profits, union of interests, co-operation, joint venture with any Person or Persons, partnership firm/firms, or company or companies carrying on or engaged in any operation capable of being conducted so conveniently in cooperation with the business of the Company or to benefit the Company or to the activities for which the Company has been established.

35.To apply for purchase, or otherwise acquire any trade marks, patents, brevets, inventions, licenses, concessions and the like, conferring any exclusive or nonexclusive or limited rights to use, or any secret or other information as to any invention which may be capable of being used for any of the purposes of the Company, or the acquisition of which may benefit the Company and to use, exercise, develop or grant licenses in respect of or otherwise turn to account the property, rights or information so acquired.

36.To sell, dispose or hive off an undertaking of the Company or any part thereof for such consideration as the Company may think fit and in particular for shares, debentures or securities of any other association, corporation or company.

37.To sell, improve, manage, develop, exchange, loan, lease or let, under-lease, sub - let, mortgage, dispose of, deal with in any manner, turn to account or otherwise deal with any rights or property of the Company.

4 The liability of the member(s) is limited, and this liability is limited to the amount unpaid if any, on the shares held by them.

5 Every member of the company undertakes to contribute:

(i) to the assets of the company in the event of its being wound up while he is a member, or within one year after he ceases to be a member, for payment of the debts and liabilities of the company or of such debts and liabilities as may have been contracted before he ceases to be a member; and

(ii) to the costs, charges and expenses of winding up (and for the adjustment of the rights of the contributories among themselves), such amount as may be required, not exceeding * [ ] rupees.

(iii) The share capital of the company is [500000] rupees, divided into

50000	Equity Share	Shares of	10	Rupees each	

6

☑ We, the several persons, whose names and address are subscribed, are desirous of being formed into a company in pursuance of this memorandum of association, and we respectively agree to take the number of shares in the capital of the company set against our respective names:

☐ I, whose name and address is given below, am desirous of forming a company in pursuance of this memorandum of association and agree to take all the shares in the capital of the company:

☐ We, the several persons, whose names and addresses are subscribed, are desirous of being formed into a company in pursuance of this memorandum of association:

Subscriber Details					
S. No.	***Name, Address, Description and Occupation**	**DIN / PAN / Passport number**	**No. of shares taken**	**DSC**	**Dated**
1	NAVITA DUBAL D/O PHOOL SINGH NOMINEE OF REC POWER DEVELOPMENT AND CONSULTANCY LIMITED R/O FLAT NO. 307, GAUR GANGA-1 APARTMENT, SECTOR-4, BEHIND VAISHALI METRO STATION, VAISHALI GHAZIABAD UTTAR PRADESH- 201010 OCCUPATION-SERVICE	A*N*D*9*2*	1 Equity,0 Preference		13/06/2025
2	CHILAKAMARRI VENKATA LAKSHAMANA CHARYULU S/O SRIMANNARAYAN CHARYULU CHILKAMARRI NOMINEE OF REC POWER DEVELOPMENT AND CONSULTANCY LIMITED R/O PLOT NO.1, NORTHSTAR AIRPORT BOULEVARD, TUKKAGUDA, MAHESHRAM MANDAL, RANGAREDDY DISTRICT, ANDRA PRADESH-501359 OCCUPATION-SERVICE	1*7*2*3*	1 Equity,0 Preference		13/06/2025
3	MUKUL AGARWAL S/O RAJESH KUMAR NOMINEE OF REC POWER DEVELOPMENT AND CONSULTANCY LIMITED R/O HOUSE NO. 767,SECOND FLOOR, ANSAL C-2BLOCK, NEAR WATER TANKANSAL PLAZA SECTOR-3 PALAM VIHAR, GURGAON- 1 22017, HARYANA OCCUPATION-SERVICE	1*3*2*8*	1 Equity,0 Preference		13/06/2025
4	JASPAL SINGH KUSHWAHAS/O MITHAI LAL KUSHWAHA NOMINEE OF REC POWER DEVELOPMENT AND CONSULTANCY LIMITED R/O C-64/FIRST FLOOR, JVTS GARDEN CHATTARPUR EXTENSION South West Delhi 110074 OCCUPATION-SERVICE	1*3*2*3*	1 Equity,0 Preference		13/06/2025
5	REC POWER DEVELOPMENT AND CONSULTANCY LIMITED, CORE-4, SCOPE COMPLEX, 7, LODHI ROAD, NEW DELHI-110003, THROUGH ITS CEO THANGARAJAN SUBASH CHANDIRA BOSH S/O SITHAN THANGARAJAN R/O APARTMENT NO S-2, MIDDLE PORTION 2-B, JANGPURA, MATHURA ROAD, NEWDELHI-110014, OCCUPATION-SERVICE	0*7*2*1*	49994 Equity,0 Preferenc		13/06/2025
6	ARVIND KUMAR S/O NAND KISHOR SINGH NOMINEE OF REC POWER DEVELOPMENT AND CONSULTANCY LIMITED R/O T4-8A, SAI VATIKA APARTMENT, SECTOR-63, FARIDABAD - 121004, OCCUPATION-SERVICE	1*3*2*3*	1 Equity,0 Preference		13/06/2025

7	ANIL KUMAR PERALA S/O VENKATESHAM NOMINEE OF REC POWER DEVELOPMENT AND CONSULTANCY LIMITED R/O A302 TARIKA APPARTMENT, SECTOR-43 GURGAON HARYANA-122001 OCCUPATION-SERVICE	B*V*P*1*2*	1 Equity,0 Preference		13/06/2025
Total shares taken			50000 Equity,0 Preference		

Signed before me

Membership type of the witness *(ACA/FCA/ACS/FCS/ACMA/FCMA)*	***Name of the witness**	***Address, Description and Occupation**	**DIN / PAN / Passport number / Membership number**	**DSC**	**Dated**
	VINAY KUMAR	A-805, NX BYTET-3, NX ONE, TECH ZONE - IV, GREATER NOIDA WEST -201318	4*2*9*		13/06/2025

7 Shri / Smt _____ _____ Of _____ resident of _____ aged _____ years shall be the nominee in the event of death of the sole member.

Form No. INC-34

e-AOA (e-Articles of Association)

[Pursuant to Section 5 of the Companies Act, 2013 and rules made thereunder read with Schedule I]



Form language

(•) English ( ) Hindi

Refer instruction kit for filing the form

*All fields marked in * are mandatory*

Table applicable to company as notified under schedule I of the Companies Act, 2013 *(F, G, H)*

F

Table F / G / H (basis on the selection of above-mentioned field) as notified under schedule I of the companies Act, 2013 is applicable to

(F – a company limited by shares
G– a company limited by guarantee and having a share capital
H – a company limited by guarantee and not having share capital)

F - A COMPANY LIMITED BY SHARES

The name of the company is

RAJGARH NEEMUCH POWER TRANSMISSION LIMITED

Check if not applicable	Check if altered	Article No.	Description
			Interpretation
☐	☑	I	• (1) In these regulations- (a)the Act means the Companies Act2013 (b) the sealmeans the common seal of the company. (2)Unless the context otherwise requireswords or expressions contained in these regulations shall bear the same meaningas in the Act or any statutory modification thereof in force at the date atwhich these regulations become binding on the company.(3)Public companymeans a company which-(a) is not a private company(b) has a minimum paid-upshare capital as maybe prescribed Provided that a company which is asubsidiary of a company not being a private company shall be deemed to bepublic company for the purposes of this Act even where such subsidiary companycontinues to be a private company inits articles.
			Share Capital and Variation of rights
☐	☐	II 1	• Subject to the provisions of the Act and these Articles the shares in the capital of the company shall be under the control of the Directors who may issue allot or otherwise dispose of the same or any of them to such persons in such proportion and on such terms and conditions and either at a premium or at par and at such time as they may from time to time think fit.
☐	☐	2	• Every person whose name is entered as a member in the register of members shall be entitled to receive within two months after incorporation in case of subscribers to the memorandum or after allotment or within one month after the application for the registration of transfer or transmission or within such other period as the conditions of issue shall be provided one certificate for all his shares without payment of any charges or several certificateseach for one or more of his sharesupon payment of twenty rupees for each certificate after the first. Every certificate shall be under the seal and shall specify the shares to which it relates and the amount paid - up thereon. In respect of any share or shares held

			jointly by several persons the company shall not be bound to issue more than one certificate and delivery of a certificate for a share to one of several joint holders shall be sufficient delivery to all such holders
☐	☐	3	• If any share certificate be worn out defaced mutilated or torn or if there be no further space on the back for endorsement of transfer then upon production and surrender thereof to the company a new certificate may be issued in lieu thereof and if any certificate is lost or destroyed then upon proof thereof to the satisfaction of the company and on execution of such indemnity as the company deem adequate a new certificate in lieu thereof shall be given. Every certificate under this Article shall be issued on payment of twenty rupees for each certificate. The provisions of Articles(2) and(3) shall mutatis mutandis apply to debentures of the company.
☐	☐	4	• Except as required by law no person shall be recognised by the company as holding any share upon any trust and the company shall not be bound by or be compelled in any way to recognise (even when having notice thereof) any equitable contingent future or partial interest in any share or any interest in any fractional part of a share or (except only as by these regulations or by law otherwise provided) any other rights in respect of any share except an absolute right to the entirety thereof in the registered holder.
☐	☐	5	• The company may exercise the powers of paying commissions conferred by sub-section (6) of section 40 provided that the rate per cent or the amount of the commission paid or agreed to be paid shall be disclosed in the manner required by that section and rules made thereunder. The rate or amount of the commission shall not exceed the rate or amount prescribed in rules made under sub-section (6) of section 40. The commission may be satisfied by the payment of cash or the allotment of fully or partly paid shares or partly in the one way and partly in the other.
☐	☐	6	• If at any time the share capital is divided into different classes of shares the rights attached to any class (unless otherwise provided by the terms of issue of the shares of that class) may subject to the provisions of section 48 and whether or not the company is being wound up be varied with the consent in writing of the holders of three-fourths of the issued shares of that class or with the sanction of a special resolution passed at a separate meeting of the holders of the shares of that class. To every such separate meeting the provisions of these regulations relating to general meetings shall mutatis mutandis apply but so that the necessary quorum shall be at least two persons holding at least one-third of the issued shares of the class in question.
☐	☐	7	• The rights conferred upon the holders of the shares of any class issued with preferred or other rights shall not unless otherwise expressly provided by the terms of issue of the shares of that class be deemed to be varied by the creation or issue of further shares ranking pari passu therewith.
☐	☐		• Subject to the provisions of section 55 any preference shares may with the sanction of an ordinary resolution

			be issued on the terms that they are to be redeemed on such terms and in such manner as the company before the issue of the shares may by special resolution determine.
			Lien
☐	☐	9	• The company shall have a first and paramount lienon every share (not being a fully paid share) for all monies (whether presently payable or not) called or payable at a fixed time in respect of that share and on all shares (not being fully paid shares) standing registered in the name of a single person for all monies presently payable by him or his estate to the companyProvided that the Board of directors may at any time declare any share to be wholly or in part exempt from the provisions of this clause. The companys lien if any on a share shall extend to all dividends payable and bonuses declared from time to time in respect of such shares.
☐	☐	10	• The company may sell in such manner as the Board thinks fit any shares on which the company has a lienProvided that no sale shall be madea unless a sum in respect of which the lien exists is presently payable or b until the expiration of fourteen days after a notice in writing stating and demanding payment of such part of the amount in respect of which the lien exists as is presently payable has been given to the registered holder for the time being of the share or the person entitled thereto by reason of his death or insolvency.
☐	☐	11	• To give effect to any such sale the Board may authorise some person to transfer the shares sold to the purchaser thereof The purchaser shall be registered as the holder of the shares comprised in any such transfer. The purchaser shall not be bound to see to the application of the purchase money nor shall his title to the shares be affected by any irregularity or invalidity in the proceedings in reference to the sale.
☐	☐	12	• The proceeds of the sale shall be received by the company and applied in payment of such part of the amount in respect of which the lien exists as is presently payable. The residue if any shall subject to a like lien for sums not presently payable as existed upon the shares before the sale be paid to the person entitled to the shares at the date of the sale.
			Calls on shares
☐	☐	13	• The Board may from time to time make calls upon the members in respect of any monies unpaid on their shares (whether on account of the nominal value of the shares or by way of premium) and not by the conditions of allotment thereof made payable at fixed timesProvided that no call shall exceed one-fourth of the nominal value of the share or be payable at less than one month from the date fixed for the payment of the last preceding call. Each member shall subject to receiving at least fourteen days notice specifying the time or times and place of payment pay to the company at the time or times and place so specified the amount called on his shares. A call may be revoked or postponed at the discretion of the Board.

☐ ☐	14	• A call shall be deemed to have been made at the time when the resolution of the Board authorizing the call was passed and may be required to be paid by instalments.
☐ ☐	15	• The joint holders of a share shall be jointly and severally liable to pay all calls in respect thereof.
☐ ☐	16	• If a sum called in respect of a share is not paid before or on the day appointed for payment thereof the person from whom the sum is due shall pay interest thereon from the day appointed for payment thereof to the time of actual payment at ten per cent per annum or at such lower rate if any as the Board may determine. The Board shall be at liberty to waive payment of any such interest wholly or in part.
☐ ☐	17	• Any sum which by the terms of issue of a share becomes payable on allotment or at any fixed date whether on account of the nominal value of the share or by way of premium shall for the purposes of these regulations be deemed to be a call duly made and payable on the date on which by the terms of issue such sum becomes payable. In case of non-payment of such sum all the relevant provisions of these regulations as to payment of interest and expenses forfeiture or otherwise shall apply as if such sum had become payable by virtue of a call duly made and notified.
☐ ☐	18	• The Board - a. may if it thinks fit receive from any member willing to advance the same all or any part of the monies uncalled and unpaid upon any shares held by him andb. upon all or any of the monies so advanced may (until the same would but for such advance become presently payable) pay interest at such rate not exceeding unless the company in general meeting shall otherwise direct twelve per cent per annum as may be agreed upon between the Board and the member paying the sum in advance.
		Transfer of shares
☐ ☐	19	• The instrument of transfer of any share in the company shall be executed by or on behalf of both the transferor and transferee. The transferor shall be deemed to remain a holder of the share until the name of the transferee is entered in the register of members in respect thereof.
☐ ☐	20	• The Board may subject to the right of appeal conferred by section 58 decline to register the transfer of a share not being a fully paid share to a person of whom they do not approve or any transfer of shares on which the company has a lien.
☐ ☐	21	• The Board may decline to recognise any instrument of transfer unlessa. the instrument of transfer is in the form as prescribed in rules made under sub-section (1) of section 56b. the instrument of transfer is accompanied by the certificate of the shares to which it relates and such other evidence as the Board may reasonably require to show the right of the transferor to make the transfer andc. the instrument of transfer is in respect of only one class of shares.
☐ ☐		• On giving not less than seven days previous notice in accordance with section 91 and rules made thereunder the registration of transfers may be suspended at such

			times and for such periods as the Board may from time to time determineProvided that such registration shall not be suspended for more than thirty days at any one time or for more than forty-five days in the aggregate in any year.
			Transmission of shares
☐	☐	23	• On the death of a member the survivor or survivors where the member was a joint holder and his nominee or nominees or legal representatives where he was a sole holder shall be the only persons recognised by the company as having any title to his interest in the shares Nothing in clause (i) shall release the estate of a deceased joint holder from any liability in respect of any share which had been jointly held by him with other persons.
☐	☐	24	• Any person becoming entitled to a share in consequence of the death or insolvency of a member may upon such evidence being produced as may from time to time properly be required by the Board and subject as hereinafter provided elect either to be registered himself as holder of the share or to make such transfer of the share as the deceased or insolvent member could have made. The Board shall in either case have the same right to decline or suspend registration as it would have had if the deceased or insolvent member had transferred the share before his death or insolvency.
☐	☐	25	• If the person so becoming entitled shall elect to be registered as holder of the share himself he shall deliver or send to the company a notice in writing signed by him stating that he so elects. If the person aforesaid shall elect to transfer the share he shall testify his election by executing a transfer of the share. All the limitations restrictions and provisions of these regulations relating to the right to transfer and the registration of transfers of shares shall be applicable to any such notice or transfer as aforesaid as if the death or insolvency of the member had not occurred and the notice or transfer were a transfer signed by that member.
☐	☐	26	• A person becoming entitled to a share by reason of the death or insolvency of the holder shall be entitled to the same dividends and other advantages to which he would be entitled if he were the registered holder of the share except that he shall not before being registered as a member in respect of the share be entitled in respect of it to exercise any right conferred by membership in relation to meetings of the company Provided that the Board may at any time give notice requiring any such person to elect either to be registered himself or to transfer the share and if the notice is not complied with within ninety days the Board may thereafter withhold payment of all dividends bonuses or other monies payable in respect of the share until the requirements of the notice have been complied with.
☑	☐		• In case of a One Person Company on the death of the sole member the person nominated by such member shall be the person recognised by the company as having title to all the shares of the member the nominee on becoming entitled to such shares in case of the members death shall be informed of such event by the

			Board of the company such nominee shall be entitled to the same dividends and other rights and liabilities to which such sole member of the company was entitled or liable on becoming member such nominee shall nominate any other person with the prior written consent of such person who shall in the event of the death of the member become the member of the company.
			Forfeiture of shares
☐	☐	28	• If a member fails to pay any call or instalment of a call on the day appointed for payment thereof the Board may at any time thereafter during such time as any part of the call or instalment remains unpaid serve a notice on him requiring payment of so much of the call or instalment as is unpaid together with any interest which may have accrued.
☐	☐	29	• The notice aforesaid shall name a further day (not being earlier than the expiry of fourteen days from the date of service of the notice) on or before which the payment required by the notice is to be made and state that in the event of non-payment on or before the day so named the shares in respect of which the call was made shall be liable to be forfeited.
☐	☐	30	• If the requirements of any such notice as aforesaid are not complied with any share in respect of which the notice has been given may at any time thereafter before the payment required by the notice has been made be forfeited by a resolution of the Board to that effect.
☐	☐	31	• A forfeited share may be sold or otherwise disposed of on such terms and in such manner as the Board thinks fit.At any time before a sale or disposal as aforesaid the Board may cancel the forfeiture on such terms as it thinks fit.
☐	☐	32	• A person whose shares have been forfeited shall cease to be a member in respect of the forfeited shares but shall notwithstanding the forfeiture remain liable to pay to the company all monies which at the date of forfeiture were presently payable by him to the company in respect of the shares. The liability of such person shall cease if and when the company shall have received payment in full of all such monies in respect of the shares.
☐	☐	33	• A duly verified declaration in writing that the declarant is a director the manager or the secretary of the company and that a share in the company has been duly forfeited on a date stated in the declaration shall be conclusive evidence of the facts therein stated as against all persons claiming to be entitled to the share The company may receive the consideration if any given for the share on any sale or disposal thereof and may execute a transfer of the share in favour of the person to whom the share is sold or disposed of The transferee shall thereupon be registered as the holder of the share and The transferee shall not be bound to see to the application of the purchase money if any nor shall his title to the share be affected by any irregularity or invalidity in the proceedings in reference to the forfeiture sale or disposal of the share.
☐	☐		• The provisions of these regulations as to forfeiture shall apply in the case of non-payment of any sum which by

			the terms of issue of a share becomes payable at a fixed time whether on account of the nominal value of the share or by way of premium as if the same had been payable by virtue of a call duly made and notified.
			Alteration of capital
☐	☐	35	• The company may from time to time by ordinary resolution increase the share capital by such sum to be divided into shares of such amount as may be specified in the resolution.
☐	☐	36	• Subject to the provisions of section 61 the company may by ordinary resolution consolidate and divide all or any of its share capital into shares of larger amount than its existing shares convert all or any of its fully paid-up shares into stock and reconvert that stock into fully paid-up shares of any denomination sub-divide its existing shares or any of them into shares of smaller amount than is fixed by the memorandum cancel any shares which at the date of the passing of the resolution have not been taken or agreed to be taken by any person.
☐	☐	37	• Where shares are converted into stock the holders of stock may transfer the same or any part thereof in the same manner as and subject to the same regulations under which the shares from which the stock arose might before the conversion have been transferred or as near thereto as circumstances admit Provided that the Board may from time to time fix the minimum amount of stock transferable so however that such minimum shall not exceed the nominal amount of the shares from which the stock arose. the holders of stock shall according to the amount of stock held by them have the same rights privileges and advantages as regards dividends voting at meetings of the companyand other matters as if they held the shares from which the stock arose but no such privilege or advantage (except participation in the dividends and profits of the company and in the assets on winding up) shall be conferred by an amount of stock which would not if existing in shares have conferred that privilege or advantage. such of the regulations of the company as are applicable to paid-up shares shall apply to stock and the words share and shareholder in those regulations shall include stock and stock-holder respectively.
☐	☐	38	• The company may by special resolution reduce in any manner and with and subject to any incident authorised and consent required by law it share capital any capital redemption reserve account or any share premium account.
			Capitalisation of profits
☐	☐		• The company in general meeting may upon the recommendation of the Board resolve that it is desirable to capitalise any part of the amount for the time being standing to the credit of any of the companys reserve accounts or to the credit of the profit and loss accountor otherwise available for distribution and that such sum be accordingly set free for distribution in the manner specified in clause (ii) amongst the members who would have been entitled thereto if distributed by way of dividend and in the same proportions. The sum aforesaid shall not be paid in cash but shall be applied subject to

			the provision contained in clause (iii) either in or towards paying up any amounts for the time being unpaid on any shares held by such members respectively paying up in full unissued shares of the company to be allotted and distributed credited as fully paid-up to and amongst such members in the proportions aforesaid partly in the way specified in sub-clause (A) and partly in that specified in sub-clause (B) A securities premium account and a capital redemption reserve account may for the purposes of this regulation be applied in the paying up of unissued shares to be issued to members of the company as fully paid bonus shares The Board shall give effect to the resolution passed by the company in pursuance of this regulation.
☐	☐	40	• Whenever such a resolution as aforesaid shall have been passed the Board shall make all appropriations and applications of the undivided profits resolved to be capitalised thereby and all allotments and issues of fully paid shares if any and generally do all acts and things required to give effect thereto. The Board shall have power to make such provisions by the issue of fractional certificates or by payment in cash or otherwise as it thinks fit for the case of shares becoming distributable in fractions and to authorise any person to enter on behalf of all the members entitled thereto into an agreement with the company providing for the allotment to them respectively credited as fully paid-up of any further shares to which they may be entitled upon such capitalisation or as the case may require for the payment by the company on their behalf by the application thereto of their respective proportions of profits resolved to be capitalised of the amount or any part of the amounts remaining unpaid on their existing shares Any agreement made under such authority shall be effective and binding on such members
			Buy-back of shares
☐	☐	41	• Notwithstanding anything contained in these articles but subject to the provisions of sections 68 to 70 and any other applicable provision of the Act or any other law for the time being in force the company may purchase its own shares or other specified securities.
			General meetings
☐	☐	42	• All general meetings other than annual general meeting shall be called extraordinary general meeting.
☐	☐	43	• The Board may whenever it thinks fit call an extraordinary general meeting. If at any time directors capable of acting who are sufficient in number to form a quorum are not within India any director or any two members of the company may call an extraordinary general meeting in the same manner as nearly as possible as that in which such a meeting may be called by the Board.
			Proceedings at general meetings
☐	☐	44	• No business shall be transacted at any general meeting unless a quorum of members is present at the time when the meeting proceeds to business. Save as otherwise provided herein the quorum for the general meetings shall be as provided in section 103.

☐	☐	45	• The chairperson if any of the Board shall preside as Chairperson at every general meeting of the company.
☐	☐	46	• If there is no such Chairperson or if he is not present within fifteen minutes after the time appointed for holding the meeting or is unwilling to act as chairperson of the meeting the directors present shall elect one of their members to be Chairperson of the meeting.
☐	☐	47	• If at any meeting no director is willing to act as Chairperson or if no director is present within fifteen minutes after the time appointed for holding the meeting the members present shall choose one of their members to be Chairperson of the meeting.
☑	☐	48	• In case of a One Person Company the resolution required to be passed at the general meetings of the company shall be deemed to have been passed if the resolution is agreed upon by the sole member and communicated to the company and entered in the minutes book maintained under section 118 such minutes book shall be signed and dated by the member the resolution shall become effective from the date of signing such minutes by the sole member.
			Adjournment of meeting
☐	☐	49	• The Chairperson may with the consent of any meeting at which a quorum is present and shall if so directed by the meeting adjourn the meeting from time to time and from place to place. No business shall be transacted at any adjourned meeting other than the business left unfinished at the meeting from which the adjournment took place. When a meeting is adjourned for thirty days or more notice of the adjourned meeting shall be given as in the case of an original meeting. Save as aforesaid and as provided in section 103 of the Act it shall not be necessary to give any notice of an adjournment or of the business to be transacted at an adjourned meeting.
			Voting rights
☐	☐	50	• Subject to any rights or restrictions for the time being attached to any class or classes of shares on a show of hands every member present in person shall have one vote and on a poll the voting rights of members shall be in proportion to his share in the paid-up equity share capital of the company.
☐	☐	51	• A member may exercise his vote at a meeting by electronic means in accordance with section 108 and shall vote only once.
☐	☐	52	• In the case of joint holders the vote of the senior who tenders a vote whether in person or by proxy shall be accepted to the exclusion of the votes of the other joint holders.For this purpose seniority shall be determined by the order in which the names stand in the register of members.
☐	☐	53	• A member of unsound mind or in respect of whom an order has been made by any court having jurisdiction in lunacy may vote whether on a show of hands or on a poll by his committee or other legal guardian and any such committee or guardian may on a poll vote by proxy.

☐	☐	54	• Any business other than that upon which a poll has been demanded maybe proceeded with pending the taking of the poll.
☐	☐	55	• No member shall be entitled to vote at any general meeting unless all calls or other sums presently payable by him in respect of shares in the company have been paid
☐	☐	56	• No objection shall be raised to the qualification of any voter except at the meeting or adjourned meeting at which the vote objected to is given or tendered and every vote not disallowed at such meeting shall be valid for all purposes. Any such objection made in due time shall be referred to the Chairperson of the meeting whose decision shall be final and conclusive.
			Proxy
☐	☐	57	• The instrument appointing a proxy and the power-of-attorney or other authority if any under which it is signed or a notarised copy of that power or authority shall be deposited at the registered office of the company not less than 48 hours before the time for holding the meeting or adjourned meeting at which the person named in the instrument proposes to vote or in the case of a poll not less than 24 hours before the time appointed for the taking of the poll and in default the instrument of proxy shall not be treated as valid.
☐	☐	58	• An instrument appointing a proxy shall be in the form as prescribed in the rules made under section 105
☐	☐	59	• A vote given in accordance with the terms of an instrument of proxy shall be valid notwithstanding the previous death or insanity of the principal or the revocation of the proxy or of the authority under which the proxy was executed or the transfer of the shares in respect of which the proxy is givenProvided that no intimation in writing of such death insanity revocation or transfer shall have been received by the company at its office before the commencement of the meeting or adjourned meeting at which the proxy is used.
			Board of Directors
☐	☑		• The day to day management of the business of the CompanyShall be vested with the Board of Directors of the Company or Such persons asmay be authorized by the Board from time to time The Board may exercise allsuch powers of the Company and do all such acts deeds and things as are notprohibited by the Act or any other law for the time being in force or by theMemorandum of Association of a Company and without prejudice to the foregoingshall be responsible for all policy matters and the supervision direction andcontrol of the conduct of the business affairs and operations of the Company(i) The first Directors of the Company shall be 1. NAVITA DUBAL 2. NEERAJKUMAR VIJAY SHARMA 3.AWANISH KUMAR BHARATI (ii)at every annual general meeting One third of such of the directors for the timebeing as are liable to retire by rotation or if their number is neither threenor a multiple of Three then the number nearest to one third shall retire from OfficeThe directors to retire by rotation at every annual general Meeting shall bethose who have been

		60	longest in office since their Last appointment but asbetween persons who became directors on the same day those who are to retireshall in default of and subject to any subject to any agreement amongthemselves be date remined by loti at annual general meeting at which adirector retires as afore said the company may fill up the vacancy by appointingtheir tiring director or some other person there to The Board of Directors ofthe Company shall consist of not less than but not more than Directors The appointmentof Directors including the Chairman Managing Director Whole Time Director Part timeDirector shall be done in the General Meetings in accordance with the provisionsof the Companies Act and Rules made there under and shall be eligible forappointment However till the Company is a Government Company REC PowerDevelopment and Consultancy Limited RECPDCL the holding company shall have thefull powers to recommend nominate the name of any Directors to be appointed onthe Board of the Company Further RECPDCL shall also have the power to removeany director from office at any time in its absolute discretion RECPDCL shallalso have the right to fill any vacancies in the office of director caused byremoval resignation death or otherwise Subject to provisions of the Act theCompany may bypassing their solution in General Meeting increased crease the maximumnumber of Directors and may alter their qualification Further the Company maysubject to the provisions of the Act remove any Director before the expirationof his period of office and appoint another person in place of him The Boardmay appoint any person to act as alternate director for a Director during the laters absence for a period of not less than three months from India and such appointmentshall have effect and such appointee whilst he holds office as an alternatedirector shall be entitled to notice of meeting of the Board and to attend andvote there at accordingly but he shall not require any qualification and shallipso facto vacate office if and when the absent Director returns to IndiaCasual vacancies among Directors may be filled by the Board of Directors at theirmeeting and any person so appointed shall hold the office as per the provisionof section of the Act Subject to the provisions of Section and other applicableprovisions if any of the Act the Board shall have power at any time and fromtime to time to appoint a person as an Additional Director but so that thetotal number of Directors shall not at any time exceed the maximum number fixedby these Articles The Additional Director so appointed shall retire from Officeat next annual General Meeting but shall be eligible for election by thecompany at that meeting as a Director
☐	☐	61	• The remuneration of the directors shall in so far as it consists of a monthly payment be deemed to accrue from day-to-day. In addition to the remuneration payable to them in pursuance of the Act the directors may be paid all travelling hotel and other expenses properly incurred by them in attending and returning from meetings of the Board of Directors or any committee thereof or general meetings of the company or in connection with the business of the company.
☐	☐	62	• The Board may pay all expenses incurred in getting up and registering the company.

☐	☐	63	• The company may exercise the powers conferred on it by section 88 with regard to the keeping of a foreign register and the Board may (subject to the provisions of that section) make and vary such regulations as it may think fit respecting the keeping of any such register.
☐	☐	64	• All cheques promissory notes drafts hundis bills of exchange and other negotiable instruments and all receipts for monies paid to the company shall be signed drawn accepted endorsed or otherwise executed as the case may be by such person and in such manner as the Board shall from time to time by resolution determine
☐	☐	65	• Every director present at any meeting of the Board or of a committee thereof shall sign his name in a book to be kept for that purpose.
☐	☐	66	• Subject to the provisions of section 149 the Board shall have power at any time and from time to time to appoint a person as an additional director provided the number of the directors and additional directors together shall not at any time exceed the maximum strength fixed for the Board by the articles. Such person shall hold office only up to the date of the next annual general meeting of the company but shall be eligible for appointment by the company as a director at that meeting subject to the provisions of the Act.
			Proceedings of the Board
☐	☐	67	• The Board of Directors may meet for the conduct of business adjourn and otherwise regulate its meetings as it thinks fit. A director may and the manager or secretary on the requisition of a director shall at any time summon a meeting of the Board.
☐	☐	68	• Save as otherwise expressly provided in the Act questions arising at any meeting of the Board shall be decided by a majority of votes. In case of an equality of votes the Chairperson of the Board if any shall have a second or casting vote.
☐	☐	69	• The continuing directors may act notwithstanding any vacancy in the Board but if and so long as their number is reduced below the quorum fixed by the Act for a meeting of the Board the continuing directors or director may act for the purpose of increasing the number of directors to that fixed for the quorum or of summoning a general meeting of the company but for no other purpose.
☐	☐	70	• The Board may elect a Chairperson of its meetings and determine the period for which he is to hold office. If no such Chairperson is elected or if at any meeting the Chairperson is not present within five minutes after the time appointed for holding the meeting the directors present may choose one of their number to be Chairperson of the meeting.
☐	☐	71	• The Board may subject to the provisions of the Act delegate any of its powers to committees consisting of such member or members of its body as it thinks fit. Any committee so formed shall in the exercise of the powers so delegated conform to any regulations that may be imposed on it by the Board.

☐	☐	72	• A committee may elect a Chairperson of its meetings. If no such Chairperson is elected or if at any meeting the Chairperson is not present within five minutes after the time appointed for holding the meeting the memberspresent may choose one of their members to be Chairperson of the meeting.
☐	☐	73	• A committee may meet and adjourn as it thinks fit. Questions arising at any meeting of a committee shall be determined by a majority of votes of the members present and in case of an equality of votes the Chairperson shall have a second or casting vote.
☐	☐	74	• All acts done in any meeting of the Board or of a committee thereof or by any person acting as a director shall notwithstanding that it may be afterwards discovered that there was some defect in the appointment of any one or more of such directors or of any person acting as aforesaid or that they or any of them were disqualified be as valid as if every such director or such person had been duly appointed and was qualified to be a director.
☐	☐	75	• Save as otherwise expressly provided in the Act a resolution in writing signed by all the members of the Board or of a committee thereof for the time being entitled to receive notice of a meeting of the Board or committee shall be valid and effective as if it had been passed at a meeting of the Board or committee duly convened and held.
☑	☐	76	• In case of a One Person Company where the company is having only one director all the businesses to be transacted at the meeting of the Board shall be entered into minutes book maintained under section 118 such minutes book shall be signed and dated by the director the resolution shall become effective from the date of signing such minutes by the director.
			Chief Executive Officer, Manager, Company Secretary or Chief Financial Officer
☐	☐	77	• Subject to the provisions of the Act A chief executive officer manager company secretary or chief financial officer may be appointed by the Board for such term at such remuneration and upon such conditions as it may think fit and any chief executive officer manager company secretary or chief financial officer so appointed may be removed by means of a resolution of the Board A director may be appointed as chief executive officer manager company secretary or chief financial officer
☐	☐	78	• A provision of the Act or these regulations requiring or authorising a thing to be done by or to a director and chief executive officer manager company secretary or chief financial officer shall not be satisfied by its being done by or to the same person acting both as director and as or in place of chief executive officer manager company secretary or chief financial officer.
			The Seal
☐	☐		• The Board shall provide for the safe custody of the seal. The seal of the company shall not be affixed to any instrument except by the authority of a resolution of the Board or of a committee of the Board authorised by it in

			that behalf and except in the presence of at least two directors and of the secretary or such other person as the Board may appoint for the purpose and those two directors and the secretary or other person aforesaid shall sign every instrument to which the seal of the company is so affixed in their presence.
			Dividends and Reserve
☐	☐	80	• The company in general meeting may declare dividends but no dividend shall exceed the amount recommended by the Board.
☐	☐	81	• Subject to the provisions of section 123 the Board may from time to time pay to the members such interim dividends as appear to it to be justified by the profits of the company.
☐	☐	82	• The Board may before recommending any dividend set aside out of the profits of the company such sums as it thinks fit as a reserve or reserves which shall at the discretion of the Board be applicable for any purpose to which the profits of the company may be properly applied including provision for meeting contingencies or for equalizing dividends and pending such application may at the like discretion either be employed in the business of the company or be invested in such investments (other than shares of the company) as the Board may from time to time thinks fit. The Board may also carry forward any profits which it may consider necessary not to divide without setting them aside as a reserve
☐	☐	83	• Subject to the rights of persons if any entitled to shares with special rights as to dividends all dividends shall be declared and paid according to the amounts paid or credited as paid on the shares in respect whereof the dividend is paid but if and so long as nothing is paid upon any of the shares in the company dividends may be declared and paid according to the amounts of the shares. No amount paid or credited as paid on a share in advance of calls shall be treated for the purposes of this regulation as paid on the share. All dividends shall be apportioned and paid proportionately to the amounts paid or credited as paid on the shares during any portion or portions of the period in respect of which the dividend is paid but if any share is issued on terms providing that it shall rank for dividend as from a particular date such share shall rank for dividend accordingly.
☐	☐	84	• The Board may deduct from any dividend payable to any member all sums of money if any presently payable by him to the company on account of calls or otherwise in relation to the shares of the company.
☐	☐	85	• Any dividend interest or other monies payable in cash in respect of shares may be paid by cheque or warrant sent through the post directed to the registered address of the holder or in the case of joint holders to the registered address of that one of the joint holders who is first named on the register of members or to such person and to such address as the holder or joint holders may in writing direct. Every such cheque or warrant shall be made payable to the order of the person to whom it is sent.

☐	☐	86	• Any one of two or more joint holders of a share may give effective receipts for any dividends bonuses or other monies payable in respect of such share.
☐	☐	87	• Notice of any dividend that may have been declared shall be given to the persons entitled to share therein in the manner mentioned in the Act.
☐	☐	88	• No dividend shall bear interest against the company.
			Accounts
☐	☐	89	• The Board shall from time to time determine whether and to what extent and at what times and places and under what conditions or regulations the accounts and books of the company or any of them shall be open to the inspection of members not being directors. No member (not being a director) shall have any right of inspecting any account or book or document of the company except as conferred by law or authorised by the Board or by the company in general meeting.
			Winding up
☐	☐	90	• Subject to the provisions of Chapter XX of the Act and rules made thereunder If the company shall be wound up the liquidator may with the sanction of a special resolution of the company and any other sanction required by the Act divide amongst the members in specie or kind the whole or any part of the assets of the company whether they shall consist of property of the same kind or not. For the purpose aforesaid the liquidator may set such value as he deems fair upon any property to be divided as aforesaid and may determine how such division shall be carried out as between the members or different classes of members. The liquidator may with the like sanction vest the whole or any part of such assets in trustees upon such trusts for the benefit of the contributories if he considers necessary but so that no member shall be compelled to accept any shares or other securities whereon there is any liability.
			Indemnity
☐	☐	91	• Every officer of the company shall be indemnified out of the assets of the company against any liability incurred by him in defending any proceedings whether civil or criminal in which judgment is given in his favour or in which he is acquitted or in which relief is granted to him by the court or the Tribunal.
			Others
☐	☐	92	•

Subscriber Details

S. No.	Subscriber Details				
	***Name, Address, Description and Occupation**	**DIN / PAN / Passport number**	***Place**	**DSC**	**Dated**
1	JASPAL SINGH KUSHWAHA S/O MITHAI LAL KUSHWAH	1*3*2*3*	NEW DELHI		13/06/2025

	A NOMINEE OF REC POWER DEVELOPMENT AND CONSULTANCY LIMITED R/O C-64/FIRST FLOOR, JVTS GARDEN CHATTARPUR EXTENSION South West Delhi 110074 OCCUPATION-SERVICE				
2	CHILAKAMARRI VENKATA LAKSHAMANA CHARYULU S/O SRIMANNARAYAN CHARYULU CHILKAMARRI NOMINEE OF REC POWER DEVELOPMENT AND CONSULTANCY LIMITED R/O PLOT NO.1, NORTHSTAR AIRPORT BOULEVARD, TUKKAGUDA, MAHESHRAM MANDAL, RANGA REDDY DISTRICT, ANDRA PRADESH- 501359 OCCUPATION-SERVICE	1*7*2*3*	NEW DELHI		13/06/2025
3	MUKUL AGARWAL S/O RAJESH KUMAR NOMINEE OF REC POWER DEVELOPMENT AND CONSULTANCY LIMITED R/O HOUSE NO. 767,SECOND FLOOR, ANSAL C-2BLOCK, NEAR WATER TANKANSAL PLAZA SECTOR-3 PALAM VIHAR, GURGAON- 1 22017, HARYANA OCCUPATION-SERVICE	1*3*2*8*	NEW DELHI		13/06/2025
4	ARVIND KUMAR S/O NAND KISHOR SINGH NOMINEE OF REC POWER DEVELOPMENT AND CONSULTANCY LIMITED R/O T4-8A, SAI VATIKA APARTMENT, SECTOR-63, FARIDABAD - 121004, OCCUPATION-SERVICE	1*3*2*3*	NEW DELHI		13/06/2025
5	ANIL KUMAR PERALA S/O VENKATESHAM NOMINEE OF REC POWER DEVELOPMENT AND CONSULTANCY LIMITED R/O A302 TARIKA APPARTMENT, SECTOR-43 GURGAON HARYANA-122001 OCCUPATION-SERVICE	B*V*P*1*2*	NEW DELHI		13/06/2025
6	NAVITA DUBAL D/O PHOOL SINGH NOMINEE OF REC POWER DEVELOPMENT AND CONSULTANCY LIMITED R/O FLAT NO. 307, GAUR GANGA-1 APARTMENT, SECTOR-4, BEHIND VAISHALI METRO STATION, VAISHALI GHAZIABAD UTTAR PRADESH- 201010 OCCUPATION-SERVICE	A*N*D*9*2*	NEW DELHI		13/06/2025
7	REC POWER DEVELOPMENT AND CONSULTANCY LIMITED, CORE-4, SCOPE COMPLEX, 7, LODHI ROAD, NEW D	0*7*2*1*	NEW DELHI		13/06/2025

	ELHI- 110003, THROUGH IT S CEO THANGARAJAN SUB ASH CHANDIRA BOSH S/O SITHAN THANGARAJAN R/ O APARTMENT NO S-2, MID DLE PORTION 2-B, JANGPU RA, MATHURA ROAD, NEWD ELHI-110014, OCCUPATION- SERVICE				

Signed before me						
Name Prefix *(ACA/FCA/ACS/ FCS/ACMA/ FCMA)*	***Name of the witness**	***Address, Description and Occupation**	***DIN / PAN / Passport number / Membership**	***Place**	**DSC**	**Dated**
FCA	VINAY KUM AR	A-805, NX BYTE T-3, NX ONE, TE CH ZONE - IV, G REATER NOIDA WEST -201318	4*2*9*	NEW DELH I		13/06/2025

Annexure P-5

SHARE PURCHASE AGREEMENT

BETWEEN

REC POWER DEVELOPMENT AND CONSULTANCY LIMITED

AND

RAJGARH NEEMUCH POWER TRANSMISSION LIMITED

AND

G R INFRAPROJECTS LIMITED

Dated: 29th September, 2025

सत्यमेव जयते

INDIA NON JUDICIAL

Government of National Capital Territory of Delhi

₹500

e-Stamp

Certificate No.	:	IN-DL62377282693283X
Certificate Issued Date	:	26-Sep-2025 01:06 PM
Account Reference	:	SELFPRINT (PU)/ dl-self/ NEHRU/ DL-DLH
Unique Doc. Reference	:	SUBIN-DLDL-SELF55410732316173X
Purchased by	:	REC POWER DEVELOPMENT AND CONSULTANCY
Description of Document	:	Article 5 General Agreement
Property Description	:	CORE-4,SCOPE COMPLEX, 7, LODHI ROAD, NEW DELHI-110003
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	RAJGARH NEEMUCH POWER TRANSMISSION LIMITED
Second Party	:	G R INFRAPROJECTS LIMITED
Stamp Duty Paid By	:	RAJGARH NEEMUCH POWER TRANSMISSION LIMITED
Stamp Duty Amount(Rs.)	:	500 (Five Hundred only)

SELF PRINTED CERTIFICATE TO BE VERIFIED BY THE RECIPIENT AT WWW.SHCILESTAMP.COM

IN-DL62377282693283X

Please write or type below this line

SHARE PURCHASE AGREEMENT

This **SHARE PURCHASE AGREEMENT** (**'Agreement'**) made on the 29th day of September, 2025 at New Delhi by and between:

REC POWER DEVELOPMENT AND CONSULTANCY LIMITED, a company incorporated under the Companies Act, 1956, vide CIN-U40101DL2007GOI165779 having its registered office at Core 4, SCOPE Complex, 7, Lodhi Road, New Delhi 110 003, India (hereinafter referred to as "**REC PDCL**", which expression shall, unless it be repugnant to the context or meaning thereof, be deemed to mean and include its successors and permitted assigns) of the **FIRST PART**;

RECPDCL RNPTL GRIL

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.

सत्यमेव जयते

INDIA NON JUDICIAL

Government of National Capital Territory of Delhi

₹500

e-Stamp

Certificate No.	:	IN-DL62374905133568X
Certificate Issued Date	:	26-Sep-2025 01:05 PM
Account Reference	:	SELFPRINT (PU)/ dl-self/ NEHRU/ DL-DLH
Unique Doc. Reference	:	SUBIN-DLDL-SELF55405482989742X
Purchased by	:	REC POWER DEVELOPMENT AND CONSULTANCY
Description of Document	:	Article 5 General Agreement
Property Description	:	CORE-4,SCOPE COMPLEX, 7, LODHI ROAD, NEW DELHI-110003
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	RAJGARH NEEMUCH POWER TRANSMISSION LIMITED
Second Party	:	G R INFRAPROJECTS LIMITED
Stamp Duty Paid By	:	RAJGARH NEEMUCH POWER TRANSMISSION LIMITED
Stamp Duty Amount(Rs.)	:	500 (Five Hundred only)

₹500

SELF PRINTED CERTIFICATE TO BE VERIFIED BY THE RECIPIENT AT WWW.SHCILESTAMP.COM

IN-DL62374905133568X

Please write or type below this line

AND

RAJGARH NEEMUCH POWER TRANSMISSION LIMITED a company incorporated under the Companies Act, 2013 vide CIN-U42202DL2025GOI450309, having its registered office at Core 4, SCOPE Complex, 7, Lodhi Road, New Delhi 110003, India (herein after referred to as "**Company**" which expression shall, unless repugnant to the context, mean and include its successors in interest) of the **SECOND PART**;

RECPDCL **RNPTL** **GRIL**

2

Statutory Alert:
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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.

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INDIA NON JUDICIAL

Government of National Capital Territory of Delhi

₹200

e-Stamp

Certificate No.	:	IN-DL62358116207180X
Certificate Issued Date	:	26-Sep-2025 12:54 PM
Account Reference	:	SELFPRINT (PU)/ dl-self/ NEHRU/ DL-DLH
Unique Doc. Reference	:	SUBIN-DLDL-SELF55370820576569X
Purchased by	:	REC POWER DEVELOPMENT AND CONSULTANCY
Description of Document	:	Article 5 General Agreement
Property Description	:	CORE-4,SCOPE COMPLEX, 7, LODHI ROAD, NEW DELHI-110003
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	RAJGARH NEEMUCH POWER TRANSMISSION LIMITED
Second Party	:	G R INFRAPROJECTS LIMITED
Stamp Duty Paid By	:	RAJGARH NEEMUCH POWER TRANSMISSION LIMITED
Stamp Duty Amount(Rs.)	:	200 (Two Hundred only)

₹200

SELF PRINTED CERTIFICATE TO BE VERIFIED BY THE RECIPIENT AT WWW.SHCILESTAMP.COM

IN-DL62358116207180X

Please write or type below this line

AND

G R INFRAPROJECTS LIMITED, a company incorporated under the Companies Act, 1956 vide CIN-L45201GJ1995PLC098652 and having its registered office at Revenue Block No. 223, Old Survey No. 384/1, 384/2, Palki and 384/3, Khata No. 464, Kochariya, Ahmedabad, Gujarat – 382220, India (hereinafter referred to as "**Selected Bidder**" which expression shall, unless repugnant to the context or meaning thereof, be deemed to mean and include its successors and permitted assigns) of the **THIRD PART.**

RECPDCL RNPTL GRIL

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.

WHEREAS:

A. Ministry of Power, Government of India, vide its Notification No. 1308 [F No. 15/03/2018- Trans- Part(4)] dated 19.03.2025 has appointed REC Power Development and Consultancy Limited to be the Bid Process Coordinator (BPC) for the purpose of selection of Bidder as Transmission Service Provider (TSP) to establish transmission system "**Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II**" through tariff based competitive bidding process (hereinafter referred to as the "Project").

B. In accordance with the Bidding Guidelines, the BPC had initiated a competitive bidding process through issue of RFP for selecting a Successful Bidder to build, own, operate and transfer the Project comprising of the Elements mentioned in **Schedule 2** of the TSA. BPC had initiated this process in accordance with and on the terms and conditions mentioned in the RFP Project Documents (as defined hereinafter).

C. BPC has incorporated the Company and has undertaken the preliminary studies, obtained certain approvals, etc. regarding the Project on behalf of the Company

D. REC PDCL along with the Nominees hold one hundred per cent (100%) of the total issued and paid up equity share capital of the Company.

E. Pursuant to the said Bid Process, G R Infraprojects Limited has been identified as the Selected Bidder vide Letter of Intent dated 27th August 2025 issued by the BPC in favour of the Selected Bidder.

F. As envisaged in the RFP, the Shares Seller (as defined hereinafter) has agreed to sell the Sale Shares (as defined hereinafter) to the Selected Bidder and the Selected Bidder has agreed to purchase the Sale Shares from the Shares Seller, subject to and on the terms and conditions set forth in this Agreement.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL COVENANTS AND AGREEMENTS SET FORTH IN THIS AGREEMENT AND FOR OTHER GOOD AND VALUABLE CONSIDERATION, THE PARTIES HEREBY AGREE AS FOLLOWS:

REC Power Development and Consultancy Limited Gurugram

Rajgarh Neemuch Power Transmission Limited New Delhi 110003 Core-4, Scope Complex-7, Lodhi Road

GR Infraprojects Limited

1. DEFINITIONS

1.1 Capitalised terms in this Agreement, unless defined in this Agreement shall, in so far as the context admits, have the same meaning in this Agreement as has been ascribed to them in the TSA.

1.2 Additionally, the following terms shall have the meaning hereinafter respectively assigned to them herein below:

(i) **"Acquisition Price"** shall mean INR 18,88,04,664 (Rupees Eighteen Crore Eighty-Eight Lakh Four Thousand Six Hundred Sixty-Four Only) which is the aggregate consideration payable by the Selected Bidder towards purchase of the Sale Shares at par and for taking over of all assets and liabilities of the Company as on the Closing Date subject to adjustment as per the audited accounts of the Company as on the Closing Date;

(ii) **"Agreement"** or **"the Agreement"** or **"this Agreement"** shall mean this Share Purchase Agreement and shall include the recitals and/or annexures attached hereto, and the contracts, certificates, disclosures and other documents to be executed and delivered pursuant hereto, if any, and any amendments made to this Agreement by the Parties in writing;

(iii) **"Bid Process"** shall mean the competitive bidding process initiated by the BPC, by issuance of RFP for selecting a Successful Bidder to build, own, operate and transfer the Project in accordance with and on the terms and conditions mentioned in the RFP Project Documents;

(iv) **"Board"** shall mean the board of directors of the Company;

(v) **"Closing Date"** shall mean a mutually agreed date between the Parties falling within the period as mentioned in clause 2.15.2 of RFP or on failure of such mutual agreement between the Parties shall be the date falling on the last date of such period;

(vi) "**Encumbrance**" shall mean any mortgage, pledge, lien, charge, security assignment, hypothecation, trust, encumbrance or any other agreement having the effect of creating security interest;

(vii) "**Letter of Intent**" shall have the meaning ascribed thereto under the Bid Documents;

(viii) "**Nominees**" shall mean the Persons, who are named in Annexure A of this Agreement, holding the Sale Shares as nominees of REC PDCL;

(ix) "**Party**" shall mean REC PDCL, Company and the Selected Bidder, referred to individually, and "Parties" shall mean REC PDCL, Company and the Selected Bidder collectively referred to, as relevant;

(x) "**Person**" shall include an individual, an association, a corporation, a partnership, a joint venture, a trust, an unincorporated organisation, a joint stock company or other entity or organisation, including a government or political subdivision, or an agency or instrumentality thereof, and/or any other legal entity;

(xi) "**RFP Project Documents**" shall mean the following documents, referred to collectively:

a. Transmission Service Agreement; and
b. this Agreement.

(xii) "**Representations and Warranties**" shall mean the representations and warranties mentioned in Clause 4 hereto;

(xiii) "**RoC**" shall mean the Registrar of Companies;

(xiv) "**Sale Shares**" shall mean 50,000 shares, representing one hundred percent (100%) of the total issued, subscribed and fully paid-up equity share capital of the Company held by the Shares Seller and Nominees as more particularly described in Annexure A attached hereto;

(xv) "**Shares**" shall mean the fully paid-up equity shares of Company, of face value Rs. 10 each;

(xvi) "**Shares Seller**" shall mean REC PDCL; and

(xvii) "**Transmission Service Agreement**" or "**TSA**" means the agreement titled 'Transmission Service Agreement' to be executed on 29th September, 2025 between Central Transmission Utility of India Limited (CTUIL) and Rajgarh Neemuch Power Transmission Limited, pursuant to which the TSP shall build, own, operate and transfer the Project and make available the assets of the Project on a commercial basis.

1.3 Interpretation Clause

Unless the context otherwise requires, the provisions of the TSA relating to the interpretation of the TSA shall apply to this Agreement as if they were set out in full in this Agreement and to this end are incorporated herein by reference.

2. TRANSFER OF SHARES

2.1 Subject to the terms and conditions of this Agreement, the Shares Seller agrees to sell and transfer to the Selected Bidder and the Selected Bidder hereby agrees to purchase from the Shares Seller, the Sale Shares free from Encumbrances together with all assets and liabilities of the Company with rights and benefits attached thereto in consideration of the Acquisition Price and the covenants, undertakings and the agreements of the Selected Bidder contained in this Agreement.

2.2 The Shares Seller hereby undertakes to cause the Nominees to transfer part of the Sale Shares held by them as nominees of the Shares Seller to the Nominees of Selected Bidder and execute any documents required to deliver good title to the Sale Shares to the Selected Bidder.

3. CLOSING

3.1 Prior to the Closing Date, the Selected Bidder shall provide to the Shares Seller, valid share transfer forms duly stamped with requisite amount of stamp duty payable on the transfer of the Sale Shares ("**Share Transfer Forms**").

3.2 On the Closing Date, the Shares Seller shall hand over to the Selected Bidder or its authorised representative, the original share certificates representing the Sale Shares ("**Sale Share Certificates**") executed by the Shares Seller and the Nominees, simultaneously against the Selected Bidder handing over to the Shares Seller, demand drafts drawn in favour of the Shares Seller or by confirmation of RTGS transfer in favour of the Shares Seller, for the Acquisition Price payable to it.

Provided that prior to the handing over of the Sale Share Certificates to the Selected Bidder as mentioned above, the Selected Bidder shall provide satisfactory evidence to REC PDCL that on the Closing Date, the Selected Bidder has furnished the Contract Performance Guarantee to Central Transmission Utility of India Limited (CTUIL) and is in a position to comply with all other requirements of Clause 2.15.2 of the RFP.

3.3 The Selected Bidder shall immediately upon receiving the Sale Share Certificates and the Share Transfer Forms, duly execute the Share Transfer Forms and duly lodge the Share Transfer Forms and the Share Certificates with the Company along with the names of its nominees to be appointed on the Board of the Company and the address within the jurisdiction of the Registrar of Companies of New Delhi and Haryana, which would be the new registered office of the Company. The Company shall, upon receipt of the said documents from the Selected Bidder, do the following:

(i) Immediately on the Closing Date convene a meeting of the Board, wherein the Board shall pass the following necessary resolutions:

(a) approving the transfer of the Shares constituting the Sale Shares from the Shares Seller and the Nominees to the name of the **G R Infraprojects Limited** and its nominees and transfer of all assets and liabilities of the Company as on Closing Date;

(b) approving the **G R Infraprojects Limited** and its nominees as the members of the Company and entering the name of the **G R Infraprojects Limited** and its nominees in the register of members.

(c) changing the address of the registered office of the Company to the new address as provided by the Selected Bidder as per clause 3.3 above.

(d) appointing the nominees of the Selected Bidder on the Board and accepting the resignations of the other existing Directors on the Board and the Chair of the meeting which was taken by one of the existing Directors shall be vacated and appointment of a new Chairman who shall be one of the newly appointed Director, for the rest of the meeting.

Immediately pursuant to the acceptance of resignation of the existing Directors and appointment of new Chairman, the newly constituted Board of Directors shall continue with the meeting and pass the following resolution:

(e) terminating all the authorizations granted regarding the business and/or operations of the Company or the operations of the bank accounts of the Company, with prospective effect; and

(f) acknowledging and accepting the terms and conditions as contained in the executed copies of the RFP Project Documents and to abide by the provisions contained therein.

(ii) Enter the name of the **G R Infraprojects Limited** and its nominees as the legal and beneficial owner of the Sale Shares, free of all Encumbrances, in the register of members of the Company;

(iii) Make the necessary endorsements on the Sale Share Certificates, indicating the name of the **G R Infraprojects Limited** and its nominees as the legal and beneficial owner of the Sale Shares evidenced there under;

(iv) Return the original Sale Share Certificates, duly endorsed in the name of the **G R Infraprojects Limited** and its nominees, to the **G R Infraprojects Limited** and its nominees, as the case may be or its authorized representative;

(v) Handover all the statutory registers and records, if any, of the Company to the Selected Bidder.

(vi) Handover certified true copies of the Board resolution passed by the Company as per (i) (a) to (i) (f) of Clause 3.3 (i) to the Central Transmission Utility of India Limited (CTUIL).

3.4 The Parties to this Agreement agree to take all measures that may be required to ensure that all the events contemplated in the **Clauses 3.1 to 3.3** above on the Closing Date are completed on the same day.

Notwithstanding the provisions of **Clause 3.3** hereto, all proceedings to be taken and all documents to be executed and delivered by the Parties at the Closing Date shall be deemed to have been taken and executed simultaneously and no proceedings shall be deemed to have been taken nor documents executed or delivered until all have been taken, executed and delivered.

3.5 The Selected Bidder hereby acknowledges and agrees that after the date of acquisition of one hundred percent (100%) of the Shares of the Company by the Selected Bidder as per Clause 3.3, (a) the authority of the BPC in respect of the Bid Process shall forthwith cease and any actions to be taken thereafter regarding the Bid Process will be undertaken by the Central Transmission Utility of India Limited (CTUIL) themselves, (b) all rights and obligations of the BPC shall cease forthwith, (c) all other rights and obligations of the Company shall be of the TSP and (d) any decisions taken by the BPC on behalf of the Company prior to the date of acquisition, shall continue to be binding on the Company and/or Central Transmission Utility of India Limited (CTUIL)as the case may be.

3.6 This Agreement shall be effective from the date of its signing by the Parties and shall remain in force until all the obligations of the respective Parties under Clause 3.3 hereto are fulfilled.

4. REPRESENTATIONS AND WARRANTIES

4.1 The Selected Bidder hereby represents and warrants to the Shares Seller that:

4.1.1 The Selected Bidder has full legal right, power and authority to enter into, execute and deliver this Agreement and to perform the obligations, undertakings and transactions set forth herein, and this Agreement has been duly and validly executed and delivered by the Selected Bidder and constitutes its legal, valid and binding obligations, enforceable against it in accordance with its terms;

4.1.2 The execution, delivery and performance of this Agreement by the Selected Bidder (i) will not violate or contravene any provision of the Memorandum of Association or Articles of the Selected Bidder, (ii) will not violate or contravene any law, statute, rule, regulation, licensing requirement, order, writ, injunction or decree of any court, governmental instrumentality or other regulatory, governmental or public body, agency or authority by which the Selected Bidder is bound or by which any of its and/or their properties or assets are bound, and (iii) except to the extent that the same have been duly and properly completed or obtained, will not require any filing with, or permit, consent or approval of or license from, or the giving of any notice to, any court, governmental instrumentality or other regulatory, governmental or public body, agency or authority, joint venture party, or any other entity or person whatsoever; and

4.1.3 The Selected Bidder is not restricted in any manner whatsoever, including without limitation, on account of any judicial or governmental order, action or proceeding, or any contractual obligation assumed by the Selected Bidder, from purchasing the Sale Shares from the Shares Seller in the manner provided for in this Agreement.

4.2 The Shares Seller hereby represents and warrants to the Selected Bidder that;

4.2.1 The Shares Seller and the Nominees are the legal and beneficial owners of the Sale Shares, free and clear of any Encumbrance and the delivery to the Selected Bidder of the Sale Shares pursuant to the provisions of this Agreement will transfer to the Selected Bidder a good title to the Sale Shares.

4.2.2 The Shares Seller has full legal right, power and authority to enter into, execute and deliver this Agreement and to perform the obligations, undertakings and transactions set forth herein. The execution, delivery and performance of this Agreement will not violate the Memorandum and Articles of Association of the Shares Seller or contravene any contract by which it is bound.

4.2.3 The Shares Seller has obtained requisite authorizations to sell and transfer the Sale Shares to the Selected Bidder. The Shares Seller also represent that it is not prevented from transferring and selling the Sale Shares. Also, to the best of its knowledge, the Sale Shares are not the subject matter of any claim or pending proceeding or threatened by any legal proceeding made by any third party.

4.3 Except as specified in Clause 4.2 above, the Shares Seller shall not be deemed to have, made any representation or warranty whatsoever, whether express or implied, in relation to the Sale Shares or Company, including but not limited to any implied warranty or representation as to the business or affairs of Company.

4.4 The Representations and Warranties are given as at the date of this Agreement except that where a Representation and Warranty is expressed to be made as at another date, the Representation and Warranty is given with respect to that date only.

4.5 Each Representation and Warranty is to be construed independently of the others and is not limited by reference to any other Warranty. The Representations, Warranties and undertakings contained in this **Clause 4** hereto or in any document delivered pursuant to or in connection with this Agreement are continuing in nature and shall survive the Closing Date for a period of one (1) year.

4.6 The Parties represent to each other that all Representations and Warranties provided herein by the respective Party shall be true as of Closing Date.

5. OBLIGATIONS OF THE SELECTED BIDDER

The Selected Bidder agrees that the Shares Seller shall not be liable in any manner, nor shall it assume any responsibility or liability whatsoever, in respect of the business of the Company and its operations or activities, arising after the Closing Date, to any Person or any authority, central, state, local or municipal or otherwise and the same shall be the sole responsibility of the Selected Bidder.

6. MISCELLANEOUS

6.1 NOTICES

a) All notices to be given under this Agreement shall be in writing and in the English language.

b) All notices must be delivered personally or by registered or certified mail or by recognised courier to the addresses below:

Selected Bidder: **G R Infraprojects Limited,**
GR One Plot No 7B, Sector-18, Maruti Industrial Complex, Gurugram, Haryana -122015, India.

REC PDCL: **REC Power Development and Consultancy Limited**
Core-4, SCOPE Complex, 7, Lodhi Road, New Delhi-110003

Company: **Rajgarh Neemuch Power Transmission Limited**
Core-4, SCOPE Complex, 7, Lodhi Road, New Delhi-110003

c) Any Party may by notice of at least fifteen (15) days to the other Parties change the address and / or addresses to which such notices and communications to it are to be delivered or mailed.

REC Power Development and Consultancy Limited Gurugram

Rajgarh Neemuch Power Transmission Limited New Delhi 110003 Core-4, Scope Complex-7, Lodhi Road

GR Infraprojects Limited

6.2 RESOLUTION OF DISPUTES

6.2.1 If any dispute arises between the Parties, in connection with the validity, interpretation, implementation or alleged breach of any provision of this Agreement ("Dispute"), the disputing Parties hereto shall endeavor to settle such Dispute amicably. The attempt to bring about an amicable settlement shall be considered to have failed if not resolved within sixty (60) days from the date of the Dispute.

6.2.2 If the Parties are unable to amicably settle the Dispute in accordance with Clause 6.2.1 within the period specified therein, any of the Parties shall be entitled to within thirty (30) days after expiry of the aforesaid period, refer the Dispute to the Chief Executive Officer/Director of REC PDCL and Chief Executive/ Managing Director of the Selected Bidder for resolution of the said Dispute. The attempt to bring about such resolution shall be considered to have failed if not resolved within thirty (30) days from the date of receipt of a written notification in this regard.

6.2.3 In the event the Dispute is not settled in accordance with Clause 6.2.2 above, any Party to the Dispute shall be entitled to serve a notice invoking this Clause and making a reference to a sole arbitrator. If the Parties to the Dispute cannot agree as to the appointment of the sole arbitrator within thirty (30) days of receipt of the notice of the Party making the reference, then the Shares Seller along with the Company shall appoint one arbitrator and the Selected Bidder shall appoint one arbitrator and the two arbitrators, so appointed shall appoint a third arbitrator. However, after the Closing Date, in such an event the Shares Seller shall appoint one arbitrator and the Selected Bidder along with the Company shall appoint one arbitrator and the two arbitrators, so appointed shall appoint the third arbitrator.

6.2.4 The place of the arbitration shall be New Delhi. The Arbitration proceedings shall be governed by the Arbitration and Conciliation Act, 1996.

6.2.5 The proceedings of arbitration shall be in English language.

6.2.6 The arbitrator's award shall be substantiated in writing. The arbitrators shall also decide on the costs of the arbitration proceedings. In case the arbitrators have not decided on the costs of the arbitration proceedings, each Party to the Dispute shall bear its own costs, in relation to the arbitration proceedings.

6.3 AUTHORISED PERSON

For the purposes of this Agreement, the Selected Bidder is represented by Mr. Saurabh Kaushik (Deputy General Manager), pursuant to an authorization granted to Mr. Saurabh Kaushik (Deputy General Manager) through necessary Board resolutions. Further, Mr. Saurabh Kaushik (Deputy General Manager) is also authorized by such resolutions to take any decision which may be required to be taken, do all acts and execute all documents which are or may be required by the Selected Bidder for the proper and effective fulfillment of the rights and obligations under this Agreement. Any action taken or document executed by Mr. Saurabh Kaushik (Deputy General Manager) shall be deemed to be acts done or documents executed by the Selected Bidder and shall be binding on the Selected Bidder.

6.4 RESERVATION OF RIGHTS

No forbearance, indulgence or relaxation or inaction by any Party at any time to require performance of any of the provisions of this Agreement shall in any way affect, diminish or prejudice the right of such Party to require performance of that provision, and any waiver or acquiescence by any Party of any breach of any of the provisions of this Agreement shall not be construed as a waiver or acquiescence of any continuing or succeeding breach of such provisions, a waiver of any right under or arising out of this Agreement or acquiescence to or recognition of rights other than that expressly stipulated in this Agreement.

6.5 CUMULATIVE RIGHTS

All remedies of either Party under this Agreement whether provided herein or conferred by statute, civil law, common law, custom or trade usage, are cumulative and not alternative and may be enforced successively or concurrently.

6.6 PARTIAL INVALIDITY

If any provision of this Agreement or the application thereof to any person or circumstance shall be invalid or unenforceable to any extent, the remainder of this Agreement and the application of such provision to persons or circumstances other than those as to which it is held invalid or unenforceable shall not be affected thereby, and each provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law. Any invalid or unenforceable provision of this Agreement shall be replaced with a provision, which is valid and enforceable and most nearly reflects the original intent of the unenforceable provision.

6.7 TERMINATION

If (i) the Closing does not occur on the Closing Date for any reason whatsoever, or (ii) the Letter of Intent is withdrawn or terminated for any reason, or (iii) due to termination of the TSA by the Central Transmission Utility of India Limited (CTUIL) in accordance with Article 3.3.2 or Article 13 of the TSA thereof, REC PDCL shall have a right to terminate this Agreement forthwith by giving a written notice to the other Parties hereto.

6.8 AMENDMENTS

No modification or amendment of this Agreement and no waiver of any of the terms or conditions hereof shall be valid or binding unless made in writing and duly executed by all the Parties.

6.9 ASSIGNMENT

This Agreement and the rights and liabilities hereunder shall bind and inure to the benefit of the respective successors of the Parties hereto, but no Party hereto shall assign or transfer its rights and liabilities hereunder to any other Person without the prior written consent of the other Parties, which will not be unreasonably withheld.

6.10 ENTIRE AGREEMENT

This Agreement constitutes the entire Agreement between the Parties with respect to the subject matter herein and supersedes and cancels any prior oral or written agreement, representation, understanding, arrangement, communication or expression of intent relating to the subject matter of this Agreement.

6.11 COSTS

Each of the Parties hereto shall pay their own costs and expenses relating to the negotiation, preparation and execution of this Agreement and the transactions contemplated by this Agreement.

The Selected Bidder shall be liable to bear and pay the costs in respect of this Agreement and transfer of Sale Shares.

6.12 RELATIONSHIP

None of the provisions of this Agreement shall be deemed to constitute a partnership between the Parties hereto and no Party shall have any authority to bind the other Party otherwise than under this Agreement or shall be deemed to be the agent of the other in any way.

6.13 GOVERNING LAW AND JURISDICTION

This Agreement shall be governed by and construed in accordance with the laws of India and shall be subject to the exclusive jurisdiction of the courts of Delhi.

6.14 COUNTERPARTS

This Agreement may be executed in counterparts by the Parties and each fully executed counterpart shall be deemed to be original.

6.15 CONFIDENTIALITY

The Parties undertake to hold in confidence and not to disclose the terms and conditions of the transaction contemplated hereby to third parties, except:

(a) to their professional advisors;

(b) to their officers, employees, agents or representatives, who need to have access to such information for the proper performance of their activities;

(c) disclosures required under Law;

without the prior written consent of the other Parties.

Provided that the Central Transmission Utility of India Limited (CTUIL) and REC PDCL may at any time, disclose the terms and conditions of transactions contemplated hereby to any person, to the extent stipulated under the law or the Bidding Guidelines.

6.16 INDEMNIFICATION

The Parties hereby agree that transfer of Sale Shares to the Selected Bidder shall vest all the rights, privileges, licenses, responsibilities, liabilities and other obligations pertaining to the Company in the Selected Bidder.

- The Selected Bidder hereby agrees that the Selected Bidder shall not be entitled to any claims or initiate any legal proceedings by itself or through the Transmission Service Provider against the Shares Seller, its directors, officers, employees and the subscribers including the members of any committees appointed by them in respect of any actions or decisions taken by any of them up to the Closing Date in furtherance of the Project referred to in recital A of this Agreement.

REC Power Development and Consultancy Limited Gurugram
RECPDCL

Rajgarh Neemuch Power Transmission Limited New Delhi 110003 Unit 4, Scope Complex-7, Lodhi Road
RNPTL

GR Infraprojects Limited
GRIL

- Further, the Selected Bidder hereby indemnifies and holds harmless at all times the Shares Seller against all past, present and future third party claims and liabilities arising out of actions or decisions taken by any of the persons or bodies referred to in Clause 6.3 up to the Closing Date in furtherance of the Project referred to above or otherwise concerning the Company. All such actions shall be defended by the Selected Bidder either itself or through the TSP at its own cost.

- The Parties hereby agree that the provisions of this clause shall survive the termination of this Agreement.

6.17 SURVIVAL

The provisions of Clause 1 (Definitions and Interpretation), Clause 4 (Representations and Warranties), Clause 6.2 (Resolution of Disputes), Clause 6.7 (Termination), Clause 6.15 (Confidentiality), Clause 6.16 (Indemnification) and other representations, warranties, covenants and provisions contained herein that by their nature are intended to survive, shall survive the termination of this Agreement

6.18 FORCE MAJEURE

No party shall be liable for its inability or delay in performing any of its obligations hereunder if such delay is caused by circumstances beyond the reasonable control of the party including delay caused through flood, riot, Act of God, lighting civil commotion, storm, tempest and earthquake.

IN WITNESS WHEREOF, THE PARTIES HERETO HAVE CAUSED THIS AGREEMENT TO BE DULY EXECUTED AND DELIVERED AS OF THE DAY AND YEAR FIRST ABOVE WRITTEN

REC Power Development and Consultancy Limited Gurugram

Rajgarh Neemuch Power Transmission Limited New Delhi 110003 Core-4, Scope Complex-7, Lodhi Road

GR Infraprojects Limited

SIGNED AND DELIVERED by the within named **REC POWER DEVELOPMENT AND CONSULTANCY LIMITED** by the hand of Sh. TSC Bosh, CEO

(Authorised pursuant to the resolution passed by its Board of Directors in its meeting held on 03rd September, 2025)

IN THE PRESENCE OF:

WITNESS:
(Name and address)

1. Vijay Kulkarni
Sr. G M & HoD (TBCB)

(Core-4, SCOPE Complex, 7, Lodhi Road, New Delhi-110003)

2. Anil Kumar Perala
Chief Manager (Engg.)

(Core-4, SCOPE Complex, 7, Lodhi Road, New Delhi-110003)

SIGNED AND DELIVERED by the within named **RAJGARH NEEMUCH POWER TRANSMISSION LIMITED** by the hand of Smt. Navita Dubal, Chairman

(Authorised pursuant to the resolution passed by its Board of Directors in its meeting held on 29th September, 2025)

WITNESS:
(Name and address)

(RAJ KUMAR SONKAR)
Sr. GM - HoD (Fin)

(Core-4, SCOPE Complex, 7, Lodhi Road, New Delhi-110003)

LITU MADAN ARORA
CM (CS)
RECPDCL

(Core-4, SCOPE Complex, 7, Lodhi Road, New Delhi-110003)

SIGNED AND DELIVERED by the within named **G R INFRAPROJECTS LIMITED** by the hand of Sh. Saurabh Kaushik (Deputy General Manager)

GR Infraprojects Limited

(Authorised pursuant to the resolution passed by its Board of Directors in its meeting held on 26th September, 2025)

WITNESS:
(Name and address)

1. BV Laxmi
Sr. Manager - BD & Tendering

GR One Plot No 7B, Sector-18, Maruti Industrial Complex, Gurugram, Haryana -122015, India.

2. Vikas Singla
AGM - Tendering

GR One Plot No 7B, Sector-18, Maruti Industrial Complex, Gurugram, Haryana -122015, India.

GR Infraprojects Limited

ANNEXURE A

DESCRIPTION OF THE SALE SHARES

S. NO.	NAME OF THE SHAREHOLDER(s)	NUMBER OF EQUITY SHARES HELD	PERCENTAGE OF THE TOTAL PAID UP EQUITY CAPITAL
1.	REC Power Development and Consultancy Limited	49,994	99.988
2.	Shri Jaspal Singh Kushwaha*	1	0.002
3.	Shri Mukul Agarwal*	1	0.002
4.	Shri Ch. V. Lakshmana Charyulu*	1	0.002
5.	Ms. Navita Dubal*	1	0.002
6.	Shri Arvind Kumar*	1	0.002
7.	Shri Anil Kumar Perala*	1	0.002
	Total	50,000	100.000

*** Held as nominee of REC PDCL.**

TRANSMISSION SERVICE AGREEMENT

FOR

DEVELOPMENT AND OPERATION OF INTER-STATE TRANSMISSION SYSTEM

FOR TRANSMISSION OF ELECTRICITY THROUGH TARIFF BASED COMPETITIVE BIDDING FOR

TRANSMISSION SYSTEM FOR EVACUATION OF POWER FROM RE PROJECTS IN RAJGARH (1500 MW) SEZ IN MADHYA PRADESH-PHASE III AND EVACUATION OF POWER FROM RE PROJECTS IN NEEMUCH (1000 MW) SEZ IN MADHYA PRADESH-PHASE II

BETWEEN THE

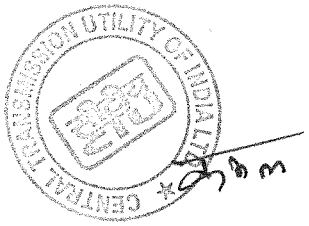
CENTRAL TRANSMISSION UTILITY OF INDIA LIMITED

(NODAL AGENCY)

AND

RAJGARH NEEMUCH POWER TRANSMISSION LIMITED

29th Sep.....,2025





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Bond

Indian-Non Judicial Stamp
Haryana Government

Date :20/08/2025

276

Transmission Service Agreement

Certificate No. G0T2025H4194

GRN No. 138458290

Stamp Duty Paid : ₹ 101
(Rs. Only)

Penalty :₹ 0
(Rs. Zero Only)

Deponent

Name: Central Transmission utility of India ltd

H.No/Floor : 2 Sector/Ward : 29 Landmark : Na

City/Village : Gurugram District : Gurugram State : Haryana

Phone : 98******10

Purpose : ARTICLE 5 GENERAL AGREEMENT **to be submitted at Concerned office**

THIS TRANSMISISON SERVICE AGREEMENT (hereinafter referred to as "TSA" or "Agreement" or "the Agreement" or "this Agreement") is made on the ..29th..... [Insert day] of..Sep..... [Insert month] of Two Thousand and Twenty-Five.

BETWEEN:

The Central Transmission Utility of India Limited, having its registered address at "Saudamini",1st Floor, Plot No. 2, Sector-29, Gurugram-122001, Haryana and correspondence address at 5th to10th Floor, Ircon International Tower, Tower no-1, Plot no -16 , Sector-32, Gurugram, Haryana-122003, acting as a Nodal Agency (referred to as the "Nodal Agency"), which expression shall unless repugnant to the context or meaning thereof include its successors, and permitted assigns) as Party of the one part;

AND

RAJGARH NEEMUCH POWER TRANSMISSION LIMITED, incorporated under the Companies Act, 2013, having its registered office at Core-4, Scope Complex 7, Lodhi Road Delhi, South Delhi, Delhi 110003 (herein after referred to as "Transmission Service Provider" or "TSP" or "ISTS Licensee", which expression shall unless repugnant to the context or meaning thereof include its successors, and permitted assigns) as Party of the other part;

("Nodal Agency" and "TSP" are individually referred to as "Party" and collectively as the "Parties")

New Delhi 110003

AND WHEREAS:

A) In accordance with the Bidding Guidelines, the Bid Process Coordinator (hereinafter referred to as BPC) had initiated a competitive e-reverse bidding process through issue of RFP for selecting a Successful Bidder to build, own, operate and transfer the Project comprising of the Elements mentioned in Schedule 1 (hereinafter referred to as the Project)

B) Pursuant to the said e-reverse bidding process, the BPC has identified the Successful Bidder, who will be responsible to set up the Project on build, own, operate and transfer basis to provide Transmission Service in accordance with the terms of this Agreement and the Transmission License.

C) The Selected Bidder has submitted the Contract Performance Guarantee and acquired one hundred percent (100%) of the equity shareholding of **Rajgarh Neemuch Power Transmission Limited** along with all its related assets and liabilities in terms of the provisions of the Share Purchase Agreement.

D) The TSP has agreed to make an application for a Transmission License to the Commission for setting up the Project on build, own, operate and transfer basis.

E) The TSP has further agreed to make an application to the Commission for the adoption of the Transmission Charges under Section 63 of the Electricity Act, 2003, along with a certification from the Bid Evaluation Committee in accordance with the Bidding Guidelines issued by Ministry of Power, Government of India.

F) The TSP has agreed to execute the agreement(s) required, if any, under Sharing Regulations within fifteen (15) days from the date of grant of Transmission License from the Commission.

G) The TSP agrees to the terms and conditions laid down under Sharing Regulations, for making available the ISTS and charge the Transmission Charges in accordance with the terms and conditions of Sharing Regulations.

H) The billing, collection and disbursement of the Transmission Charges by the CTU to the ISTS Licensee shall be governed as per Sharing Regulations.

I) The terms and conditions stipulated in the Transmission License issued by the Commission to the TSP shall be applicable to this Agreement and the TSP agrees to comply with these terms and conditions. In case of inconsistency between the Transmission License terms & conditions and the conditions of this Agreement, the conditions stipulated in the Transmission License granted by the Commission shall prevail.

NOW, THEREFORE, IN CONSIDERATION OF THE PREMISES AND MUTUAL AGREEMENTS, COVENANTS AND CONDITIONS SET FORTH HEREIN, IT IS HEREBY AGREED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS:

ARTICLE: 1

1 DEFINITIONS AND INTERPRETATIONS

1.1 Definitions:

1.1.1 The words / expressions used in this Agreement, unless as defined below or repugnant to the context, shall have the same meaning as assigned to them by the Electricity Act, 2003 and the rules or regulations framed there under including those issued / framed by the Commission (as defined hereunder), as amended or re-enacted from time to time or the General Clauses Act, failing which it shall bear its ordinary English meaning.

The words/expressions when used in this Agreement shall have the respective meanings as specified below:

"Acquisition Price" shall have the same meaning as defined in the Share Purchase Agreement;

"Act" or **"Electricity Act"** or **"Electricity Act 2003"** shall mean the Electricity Act, 2003 and any amendments made to the same or any succeeding enactment thereof;

"**Affiliate**" shall mean a company that either directly or indirectly

i. controls or

ii. is controlled by or

iii. is under common control with

a Bidding Company (in the case of a single company) or a Member (in the case of a Consortium) and "**control**" means ownership by one entity of at least twenty six percent (26%) of the voting rights of the other entity;

"Availability" in relation to the Project or in relation to any Element of the Project, for a given period shall mean the time in hours during that period the Project is capable to transmit electricity at its Rated Voltage and shall be expressed in percentage of total hours in the given period and shall be calculated as per the procedure contained in Appendix –IV to Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024, attached herewith in Schedule 6;

"Bid" shall mean technical bid and financial bid submitted by the Bidder, in response to the RFP, in accordance with the terms and conditions of the RFP;

"Bid Deadline" shall mean the last date and time for submission of the Bid in response to RFP, as specified in the RFP;

"Bidding Company" shall refer to such single company that has made a Response to RFP for the Project;

"Bidding Consortium / Consortium" shall refer to a group of companies that has collectively made a Response to RFP for the Project;

"Bid Documents" or **"Bidding Documents"** shall mean the RFP, along with all attachments thereto or clarifications thereof;

"Bidding Guidelines" shall mean the "Tariff Based Competitive Bidding Guidelines for Transmission Service" and "Guidelines for Encouraging Competition in Development of Transmission Projects" issued by Government of India, Ministry of Power under Section – 63 of the Electricity Act as amended from time to time;

"Bid Process Coordinator" or **"BPC"** shall mean a person or its authorized representative as notified by the Government of India, responsible for carrying out the process for selection of Bidder who will acquire Transmission Service Provider;

"Bill" shall mean any bill raised by the CTU on the DICs to recover the Transmission Charges pursuant to the Sharing Regulations;

"Business Day" shall mean a day other than Sunday or a statutory holiday, on which the banks remain open for business in the State in which the Nodal Agency's registered office is located and the concerned TSP are located;

"CEA" shall mean the Central Electricity Authority constituted under Section -70 of the Electricity Act;

"Change in law" shall have the meaning ascribed thereto in Article 12;

"Commercial Operation Date" or **"COD"** shall mean the date as per Article 6.2;

"Commission" or **"CERC"** shall mean the Central Electricity Regulatory Commission referred to in sub-section (1) of Section 76 of the Electricity Act, 2003 or its successors and assigns;

"Competent Court of Law" shall mean the Supreme Court or any High Court, or any tribunal or any similar judicial or quasi-judicial body in India that has jurisdiction to adjudicate upon issues relating to the Project;

"Connection Agreement" shall mean the agreement between the CTU or STU or any other concerned parties and the TSP, setting out the terms relating to the connection of the Project to the Inter-connection Facilities

and use of the Inter State Transmission System as per the provisions of the IEGC, as the case may be;

"Consultation Period" shall mean the period of sixty (60) days or such longer period as the Parties may agree, commencing from the date of issue of a TSP's Preliminary Notice or a Nodal Agency's Preliminary Termination Notice, as provided in Article 13 of this Agreement, for consultation between the Parties to mitigate the consequence of the relevant event having regard to all the circumstances;

"Consents, Clearances and Permits" shall mean all authorizations, licenses, approvals, registrations, permits, waivers, privileges, acknowledgements, agreements, or concessions required to be obtained from or provided by any concerned authority for the development, execution and operation of Project including without any limitation for the construction, ownership, operation and maintenance of the Transmission Lines and/or sub-stations;

"Construction Period" shall mean the period from (and including) the Effective Date of the Transmission Service Agreement up to (but not including) the COD of the Element of the Project in relation to an Element and up to (but not including) the COD of the Project in relation to the Project;

"Contractors" shall mean the engineering, procurement, construction, operation & maintenance contractors, surveyors, advisors, consultants, designers, suppliers to the TSP and each of their respective sub-contractors (and each of their respective successors and permitted assigns) in their respective capacities as such;

"Contract Performance Guarantee" shall mean the irrevocable unconditional bank guarantee, or insurance surety bond or Payment on Order Instrument submitted and to be submitted by the TSP or by the Selected Bidder on behalf of the TSP to the Nodal Agency from a bank mentioned in Annexure 17 of the RFP, in the form attached here to as Schedule 8 (for bank guarantee) or

Schedule 8A (for insurance surety bond issued by any of the insurance companies authorized by Insurance Regulatory and Development Authority of India), or

Schedule-8B (for Payment on Order Instrument issued by PFC/REC/IREDA, in accordance with Article 3 of this Agreement and which shall include the additional bank guarantee or insurance surety bond or Payment on Order Instrument furnished by the TSP under this Agreement;

"Contract Year", for the purpose of payment of Transmission Charges, shall mean the period beginning on the COD, and ending on the immediately succeeding March 31 and thereafter each period of 12 months beginning on April 1 and ending on March 31 provided that the last Contract Year shall end on the last day of the term of the TSA;

"CTU" or **"Central Transmission Utility"** shall have same meaning as defined in the Electricity Act, 2003;

"Day" shall mean a day starting at 0000 hours and ending at 2400 hours;

"D/C" shall mean Double Circuit;

"Designated ISTS Customers" or **"DICs"** shall have the meaning as ascribed in the Sharing Regulations;

"Dispute" shall mean any dispute or difference of any kind between the Parties, in connection with or arising out of this Agreement including any issue on the interpretation and scope of the terms of this Agreement as provided in Article 16;

"Effective Date" for the purposes of this Agreement, shall have the same meaning as per Article 2.1 of this Agreement;

"Electrical Inspector" shall mean a person appointed as such by the Government under sub-section (1) of Section 162 of the Electricity Act 2003 and also includes Chief Electrical Inspector;

"Electricity Rules 2005" shall mean the rules framed pursuant to the Electricity Act 2003 and as amended from time to time;

"Element" shall mean each Transmission Line or each circuit of the Transmission Lines (where there are more than one circuit) or each bay of Sub-station or switching station or HVDC terminal or inverter station of the Project, including ICTs, Reactors, SVC, FSC, etc. forming part of the ISTS, which will be owned, operated and maintained by the concerned ISTS Licensee, and which has a separate Scheduled COD as per Schedule 2 of this Agreement and has a separate percentage for recovery of Transmission Charges on achieving COD as per Schedule 5 of this Agreement;

"Event of Default" shall mean the events as defined in Article 13 of this Agreement;

"Expiry Date" shall be the date which is thirty five (35) years from the COD of the Project;

"Financial Closure" shall mean the first Business Day on which funds are made available to the TSP pursuant to the Financing Agreements;

"Financially Evaluated Entity" shall mean the company which has been evaluated for the satisfaction of the financial requirement set forth in the RFP;

"Financing Agreements" shall mean the agreements pursuant to which the TSP is to finance the Project including the loan agreements, security documents, notes, indentures, security agreements, letters of credit and other documents, as may be amended, modified, or replaced from time to time, but without in anyway increasing the liabilities of the Designated ISTS Customers / Nodal Agency;

"Financial Year" shall mean a period of twelve months at midnight Indian Standard Time (IST) between 1st April & 31st March;

"Force Majeure" and **"Force Majeure Event"** shall have the meaning assigned thereto in Article 11;

"GOI" shall mean Government of India;

"Grid Code" / **"IEGC"** shall mean the Grid Code specified by the Central Commission under Clause (h) of sub-section (1) of Section 79 of the Electricity Act;

"Independent Engineer" shall mean an agency/ company, appointed by Nodal Agency in accordance with the Guidelines for Encouraging Competition in Development of Transmission Projects.

"Indian Governmental Instrumentality" shall mean Government of India, Government of any State in India or any ministry, department, board, authority, agency, corporation, commission under the direct or indirect control of Government of India or any State Government or both, any political sub-division of any of them including any court or Commission or tribunal or judicial or quasi-judicial body in India but excluding the CTU, TSP and the Designated ISTS Customers;

"Insurances" shall mean the insurance cover to be obtained and maintained by the TSP in accordance with Article 9 of this Agreement;

"Interconnection Facilities" shall mean the facilities as may be set up for transmission of electricity through the use of the Project, on either one or both side of generating station's / CTU's / STU's / ISTS Licensee's /

Designated ISTS Customer's substations (as the case may be) which shall include, without limitation, all other transmission lines, gantries, sub-stations and associated equipment not forming part of the Project;

"ISTS Licensee" shall be the TSP under this Agreement, consequent to having been awarded a Transmission License by the CERC and shall be referred to as the TSP or the ISTS Licensee, as the context may require in this Agreement;

"Law" or "Laws" in relation to this Agreement, shall mean all laws including electricity laws in force in India and any statute, ordinance, rule, regulation, notification, order or code, or any interpretation of any of them by an Indian Governmental Instrumentality having force of law and shall include all rules, regulations, decisions and orders of the Commission;

"Lead Member of the Bidding Consortium" or "Lead Member" shall mean a company who commits at least 26% equity stake in the Project, meets the technical requirement as specified in the RFP and so designated by other Member(s) in Bidding Consortium;

"Lenders" means the banks, financial institutions, multilateral funding agencies, non-banking financial companies registered with the Reserve Bank of India (RBI), insurance companies registered with the Insurance Regulatory & Development Authority (IRDA), pension funds regulated by the Pension Fund Regulatory & Development Authority (PFRDA),mutual funds registered with Securities & Exchange Board of India (SEBI), etc., including their successors and assigns, who have agreed on or before COD of the Project to provide the TSP with the debt financing described in the capital structure schedule, and any successor banks or financial institutions to whom their interests under the Financing Agreements may be transferred or assigned;

Provided that, such assignment or transfer shall not relieve the TSP of its obligations to the Nodal Agency under this Agreement in any manner and shall also does not lead to an increase in the liability of the Nodal Agency;

"Lenders Representative" shall mean the person notified by the Lender(s) in writing as being the representative of the Lender(s) or the Security Trustee and such person may from time to time be replaced by the Lender(s) pursuant to the Financing Agreements by written notice to the TSP;

"Letter of Intent" or **"LOI"** shall have the same meaning as in the RFP;

"Member in a Bidding Consortium / Member" shall mean each company in the Bidding Consortium;

"Month" shall mean a period of thirty (30) days from (and excluding) the date of the event;

"Monthly Transmission Charges" for any Element of the Project, after COD of the Element till COD of the Project, and for the Project after COD of the Project, shall mean the amount of Transmission Charges as specified in Schedule 5 of this Agreement multiplied by no. of days in the relevant month and divided by no. of days in the year;

"National Load Despatch Centre" shall mean the centre established as per sub-section (1) of Section 26 of the Electricity Act 2003;

"**Nodal Agency**" shall mean CTU, which shall execute and implement the Transmission Service Agreement (TSA);

Provided that while taking major decisions, CTU shall consult CEA on technical matters and any other matter it feels necessary.

"Notification" shall mean any notification, issued in the Gazette of India;

"Operating Period" for any Element of the Project shall mean the period from (and including) the COD of such Element of the Project, up to (and including) the Expiry Date and for the Project, shall mean the period from (and including) the COD of the Project, up to (and including) the Expiry Date;

"**Parent Company**" shall mean an entity that holds at least twenty six percent (26%) of the paid - up equity capital directly or indirectly in the Bidding Company or in the Member in a Bidding Consortium, as the case may be;

"Payment on Order Instrument" shall mean Letter of Undertaking from Indian Renewable Energy Development Agency Limited (IREDA) or Power Finance Corporation Limited (PFC) or REC Limited (REC) [the three non-banking financial institutions under Ministry of New & Renewable Energy (MNRE)/ Ministry of Power (MoP)], to pay in case situation of default of Transmission Service Provider (TSP) in terms of tender conditions/ Power Purchase Agreement (PPA) arises.

Such Letter(s) will have same effect as that of a Bank Guarantee issued by any public sector bank. Such "Payment on Order instrument" would have terms and conditions similar to that of any Bank Guarantee given by any public sector bank and would promise to pay the Nodal Agency on demand within stipulated time. TSPs can seek such Letter(s) by offering due security to the above-mentioned three non-banking financial institutions mentioned above (IREDA, PFC & REC). Nodal Agency shall

not accept the instrument of 'Letter of Undertaking' as described above or in any other form, from any other non-banking financial institutions or bank, except IREDA, PFC & REC.

"Preliminary Termination Notice" shall mean a Nodal Agency's Preliminary Termination Notice as defined in Article 13 of this Agreement;

"Project" shall mean Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II, as detailed in Schedule 1 of this Agreement;

"**Project Assets**" shall mean all physical and other assets relating to and forming part of the Project including:

(a) rights over the Site for substations, ROW for transmission lines;

(b) tangible & intangible assets such as civil works and equipment including foundations, embankments, pavements, electrical systems, communication systems, relief centres, administrative offices, Sub-stations, software, tower and sub-stations designs etc;

(c) project facilities situated on the Site;

(d) all rights of the TSP under the project agreements;

(e) financial assets, such as receivables, security deposits etc;

(f) insurance proceeds; and

(g) Applicable Permits and authorisations relating to or in respect of the Transmission System;"

"Project Execution Plan" shall mean the plan referred to in Article 3.1.3(c) hereof;

"Prudent Utility Practices" shall mean the practices, methods and standards that are generally accepted internationally from time to time by electric transmission utilities for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation, repair and maintenance of the Project and which practices, methods and standards shall be adjusted as necessary, to take account of:

(i) operation, repair and maintenance guidelines given by the manufacturers to be incorporated in the Project,

(ii) the requirements of Law, and

(iii) the physical conditions at the Site;

(iv) the safety of operating personnel and human beings;

"Rated Voltage" shall mean voltage at which the Transmission System is designed to operate or such lower voltage at which the line is charged, for the time being, in consultation with the Central Transmission Utility;

"Rebate" shall have the meaning as ascribed to in Article 10.3 of this Agreement;

"RFP" shall mean Request for Proposal dated 24.03.2025 along with all schedules, annexures and RFP Project Documents attached thereto, issued by the BPC for tariff based competitive bidding process for selection of Bidder as TSP to execute the Project, including any modifications, amendments or alterations thereto;

"RFP Project Documents" shall mean the following documents to be entered into in respect of the Project, by the Parties to the respective agreements:

a. Transmission Service Agreement,

b. Share Purchase Agreement,

c. Agreement(s) required under Sharing Regulations and

d. Any other agreement as may be required;

"RLDC" shall mean the relevant Regional Load Dispatch Centre as defined in the Electricity Act, 2003, in the region(s) in which the Project is located;

"RPC" shall mean the relevant Regional Power Committee established by the Government of India for the specific Region(s) in accordance with the Electricity Act, 2003 for facilitating integrated operation of the Power System in that Region;

"Scheduled COD" in relation to an Element(s) shall mean the date(s) as mentioned in Schedule 2 as against such Element(s) and in relation to the Project, shall mean the date as mentioned in Schedule 2 as against such Project, subject to the provisions of Article 4.4 of this Agreement, or such date as may be mutually agreed among the Parties;

"Scheduled Outage" shall mean the final outage plan as approved by the RPC as per the provisions of the Grid Code;

"Selected Bid" shall mean the technical Bid and the Final Offer of the Selected Bidder submitted during e-reverse bidding, which shall be downloaded and attached in Schedule 7 on or prior to the Effective Date;

"Share Purchase Agreement" shall mean the agreement amongst REC Power Development and Consultancy Limited, **Rajgarh Neemuch Power Transmission Limited** and the Successful Bidder for the purchase of one hundred (100%) per cent of the shareholding of the **Rajgarh Neemuch Power Transmission Limited** for the Acquisition Price, by the Successful Bidder on the terms and conditions as contained therein;

"Sharing Regulations" shall mean the Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2020 and as amended from time to time;

"Site" in relation to a substation, switching station or HVDC terminal or inverter station, shall mean the land and other places upon which such station / terminal is to be established;

"SLDC" shall mean the State Load Despatch Centre established as per sub-section (1) of Section 31 of the Electricity Act 2003;

"STU" or **"State Transmission Utility"** shall be the Board or the Government company, specified as such by the State Government under sub-section (1) of Section 39 of the Electricity Act 2003;

"Successful Bidder" or **"Selected Bidder"** shall mean the Bidder selected pursuant to the RFP and who has to acquire one hundred percent (100%) equity shares of, **Rajgarh Neemuch Power Transmission Limited** along with all its related assets and liabilities, which will be responsible as the TSP to establish the Project on build, own, operate and transfer basis as per the terms of the TSA and other RFP Project Documents;

"TSP's Preliminary Notice" shall mean a notice issued by the TSP in pursuant to the provisions of Article 13.3 of this Agreement;

"Target Availability" shall have the meaning as ascribed hereto in Article 8.2 of this Agreement;

"Technically Evaluated Entity" shall mean the company which has been evaluated for the satisfaction of the technical requirement set forth in RFP;

"Termination Notice" shall mean a Nodal Agency's Termination Notice given by the Nodal Agency to the TSP pursuant to the provisions of Articles 3.3.2, 3.3.4, 4.4.2, 5.8, 13.2 and 13.3 of this Agreement for the termination of this Agreement;

"Term of Agreement" for the purposes of this Agreement shall have the meaning ascribed thereto in Article 2.2 of this Agreement;

"Transmission Charges" shall mean the Final Offer of the Selected Bidder during the e-reverse bidding and adopted by the Commission, payable to the TSP as per Sharing Regulations;

"Transmission License" shall mean the license granted by the Commission in terms of the relevant regulations for grant of such license issued under the Electricity Act;

"Transmission Service" shall mean making the Project available as per the terms and conditions of this Agreement and Sharing Regulations;

"Unscheduled Outage" shall mean an interruption resulting in reduction of the Availability of the Element(s) / Project (as the case may be) that is not a result of a Scheduled Outage or a Force Majeure Event.

"Ultimate Parent Company" shall mean an entity which owns at least twenty six percent (26%) equity in the Bidding Company or Member of a Consortium, (as the case may be) and in the Technically Evaluated Entity and / or Financially Evaluated Entity (as the case may be) and such Bidding Company or Member of a Consortium, (as the case may be) and the Technically Evaluated Entity and / or Financially Evaluated Entity (as the case may be) shall be under the direct control or indirectly under the common control of such entity;

1.2 **Interpretation:**

Save where the contrary is indicated, any reference in this Agreement to:

"Agreement" shall be construed as including a reference to its Schedules, Appendices and Annexures;

"Rupee", **"Rupees"** and **"Rs."** shall denote lawful currency of India;

"crore" shall mean a reference to ten million (10,000,000) and a **"lakh"** shall mean a reference to one tenth of a million (1,00,000);

"encumbrance" shall be construed as a reference to a mortgage, charge, pledge, lien or other encumbrance securing any obligation of any person or any other type of preferential arrangement (including, without limitation, title transfer and retention arrangements) having a similar effect;

"holding company" of a company or corporation shall be construed as a reference to any company or corporation of which the other company or corporation is a subsidiary;

"indebtedness" shall be construed so as to include any obligation (whether incurred as principal or surety) for the payment or repayment of money, whether present or future, actual or contingent;

"person" shall have the meaning as defined in Section 2 (49) of the Act;

"subsidiary" of a company or corporation (the holding company) shall be construed as a reference to any company or corporation:

(i) which is controlled, directly or indirectly, by the holding company, or

(ii) more than half of the issued share capital of which is beneficially owned, directly or indirectly, by the holding company, or

(iii) which is a subsidiary of another subsidiary of the holding company,

for these purposes, a company or corporation shall be treated as being controlled by another if that other company or corporation is able to direct its affairs and/or to control the composition of its board of directors or equivalent body;

"winding-up", **"dissolution"**, **"insolvency"**, or **"reorganization"** in the context of a company or corporation shall have the same meaning as defined in the Companies Act, 1956/ Companies Act, 2013 (as the case may be).

1.2.1 Words importing the singular shall include the plural and vice versa.

1.2.2 This Agreement itself or any other agreement or document shall be construed as a reference to this or to such other agreement or document as it may have been, or may from time to time be, amended, varied, novated, replaced or supplemented.

1.2.3 A Law shall be construed as a reference to such Law including its amendments or re-enactments from time to time.

1.2.4 A time of day shall, save as otherwise provided in any agreement or document be construed as a reference to Indian Standard Time.

1.2.5 Different parts of this Agreement are to be taken as mutually explanatory and supplementary to each other and if there is any inconsistency between or among the parts of this Agreement, they shall be interpreted in a harmonious manner so as to give effect to each part.

1.2.6 The tables of contents and any headings or sub-headings in this Agreement have been inserted for ease of reference only and shall not affect the interpretation of this Agreement.

1.2.7 All interest payable under this Agreement shall accrue from day to day and be calculated on the basis of a year of three hundred and sixty five (365) days.

1.2.8 The words "hereof" or "herein", if and when used in this Agreement shall mean a reference to this Agreement.

1.2.9 The contents of Schedule 7 shall be referred to for ascertaining accuracy and correctness of the representations made by the Selected Bidder in Article 17.2.1 hereof.

ARTICLE: 2

2 EFFECTIVENESS AND TERM OF AGREEMENT

2.1 Effective Date:

This Agreement shall be effective from later of the dates of the following events:

a. The Selected Bidder, on behalf of the TSP, has provided the Contract Performance Guarantee, as per terms of Article 3.1 of this Agreement; and

b. The Selected Bidder has acquired for the Acquisition Price, one hundred percent (100%) of the equity shareholding of REC Power Development and Consultancy Limited in, **Rajgarh Neemuch Power Transmission Limited** along with all its related assets and liabilities as per the provisions of the Share Purchase Agreement. and

c. The Agreement is executed and delivered by the Parties;

2.2 Term and Termination:

2.2.1 Subject to Article 2.2.3 and Article 2.4, this Agreement shall continue to be effective in relation to the Project until the Expiry Date, when it shall automatically terminate.

2.2.2 Post the Expiry Date of this Agreement, the TSP shall ensure transfer of Project Assets to CTU or its successors or an agency as decided by the Central Government at zero cost and free from any encumbrance and liability. The transfer shall be completed within 90 days of expiry of this Agreement failing which CTU shall be entitled to take over the Project Assets Suo moto.

2.2.3 This Agreement shall terminate before the Expiry Date in accordance with Article 13 or Article 3.3.2 or Article 3.3.4.

2.3 Conditions prior to the expiry of the Transmission License

2.3.1 In order to continue the Project beyond the expiry of the Transmission License, the TSP shall be obligated to make an application to the Commission at least two (2) years before the date of expiry of the Transmission License, seeking the Commission's approval for the extension of the term of the Transmission License up to the Expiry Date.

2.3.2 The TSP shall timely comply with all the requirements that may be laid down by the Commission for extension of the term of the Transmission License beyond the initial term of twenty-five (25) years & upto the Expiry Date and the TSP shall keep the Nodal Agency fully informed about the progress on its application for extension of the term of the Transmission License.

2.4 Survival:

The expiry or termination of this Agreement shall not affect any accrued rights, obligations/ roles and liabilities of the Parties under this Agreement, including the right to receive liquidated damages as per the terms of this Agreement, nor shall it effect the survival of any continuing obligations/ roles for which this Agreement provides, either expressly or by necessary implication, which are to survive after the Expiry Date or termination including those under Articles 3.3.3, 3.3.5, Article 9.3 (Application of Insurance Proceeds), Article 11 (Force Majeure), Article 13 (Events of Default and Termination), Article 14 (Liability & Indemnification), Article 16 (Governing Law & Dispute Resolution), Article 19 (Miscellaneous).

2.5 Applicability of the provisions of this Agreement

2.5.1 For the purpose of Availability, Target Availability and the computation of Availability, Incentive, Penalty, the provisions provided in this Agreement shall apply and any future modifications in the relevant Rules and Regulations shall not be applicable for this Project.

2.5.2 For the purposes of this Agreement for ISTS systems developed under the tariff based competitive bidding framework, the provisions relating to the definitions (Availability and COD), Article 3 (Contract Performance Guarantee and Conditions Subsequent), Article 5 (Construction of the Project), Article 6 (Connection and Commissioning of the Project), Article 8 (Target Availability and calculation of Availability), Article 11 (Force Majeure), Article 12 (Change in Law), Article 13 (Event of Default), Article 14 (Indemnification), Article 15 (Assignment and Charges), Articles 16.1, 16.2 and 16.4 (Governing Laws and Dispute Resolution) and Article 17 (representation and warranties of the ISTS Licensee) of this agreement shall supersede the corresponding provisions under Sharing Regulations.

ARTICLE: 3

3 CONDITIONS SUBSEQUENT

3.1 Satisfaction of conditions subsequent by the TSP

3.1.1 Within ten (10) days from the date of issue of Letter of Intent, the Selected Bidder, shall:

a. Provide the Contract Performance Guarantee, and

b. Acquire, for the Acquisition Price, one hundred percent (100%) equity shareholding of **Rajgarh Neemuch Power Transmission Limited** from REC Power Development and Consultancy Limited, who shall sell to the Selected Bidder, the equity shareholding of **Rajgarh Neemuch Power Transmission Limited** along with all its related assets and liabilities.

c. Execute this Agreement;

The TSP shall, within five (5) working days from the date of acquisition of SPV by the Selected Bidder, undertake to apply to the Commission for the grant of Transmission License and for the adoption of tariff as required under section-63 of the Electricity Act.

The Selected Bidder, on behalf of the TSP, will provide to the Central Transmission Utility of India Limited (being the Nodal Agency) the Contract Performance Guarantee for an amount of Rs. 84.40 Crore (Rupees Eighty Four Crore Forty Lakh Only).

3.1.2 The Contract Performance Guarantee shall be initially valid for a period up to three (3) months after the Scheduled COD of the Project and shall be extended from time to time to be valid for a period up to three (3) months after the COD of the Project. In case the validity of the Contract Performance Guarantee is expiring before the validity specified in this Article, the TSP shall, at least thirty (30) days before the expiry of the Contract Performance Guarantee, replace the Contract Performance Guarantee with another Contract Performance Guarantee or extend the validity of the existing Contract Performance Guarantee until the validity period specified in this Article.

3.1.3 The TSP agrees and undertakes to duly perform and complete the following activities within six (6) months from the Effective Date (except for c) below), unless such completion is affected due to any Force Majeure Event, or if any of the activities is specifically waived in writing by the Nodal Agency:

a. To obtain the Transmission License for the Project from the Commission;

b. To obtain the order for adoption of Transmission Charges by the Commission, as required under Section 63 of the Electricity Act 2003;

c. To submit to the Nodal Agency, CEA & Independent Engineer, the Project Execution Plan, immediately after award of contract(s) and maximum within one hundred and twenty (120) days from the Effective Date. Also, an approved copy each of Manufacturing Quality Plan (MQP) and Field Quality Plan (FQP) would be submitted to Independent Engineer & Nodal Agency in the same time period. The TSP's Project Execution Plan should be in conformity with the Scheduled COD as specified in Schedule 2 of this Agreement, and shall bring out clearly the organization structure, time plan and methodology for executing the Project, award of major contracts, designing, engineering, procurement, shipping, construction, testing and commissioning to commercial operation;

d. To submit to the Nodal Agency, CEA & Independent Engineer a detailed bar (GANTT) chart of the Project outlining each activity (taking longer than one Month), linkages as well as durations;

e. To submit to the Nodal Agency, CEA & Independent Engineer detailed specifications of conductor meeting the functional specifications specified in RFP;

f. To achieve Financial Closure;

g. To provide an irrevocable letter to the Lenders duly accepting and acknowledging the rights provided to the Lenders under the provisions of Article 15.3 of this Agreement and all other RFP Project Documents;

h. To award the Engineering, Procurement and Construction contract ("EPC contract") for the design and construction of the Project and shall have given to such Contractor an irrevocable notice to proceed; and

i. To sign the Agreement(s) required, if any, under Sharing Regulations.

3.2 Recognition of Lenders' Rights by the Nodal Agency

3.2.1 The Nodal Agency hereby accepts and acknowledges the rights provided to the Lenders as per Article 15.3 of this Agreement and all other RFP Project Documents.

3.3 Consequences of non-fulfilment of conditions subsequent

3.3.1 If any of the conditions specified in Article 3.1.3 is not duly fulfilled by the TSP even within three (3) Months after the time specified therein, then on and from the expiry of such period and until the TSP has satisfied all the conditions specified in Article 3.1.3, the TSP shall, on a monthly basis, be liable to furnish to Central Transmission Utility of India Limited (being the Nodal Agency) additional Contract Performance Guarantee of Rupees Eight Crore Forty Four Lakh Only (Rs. 8.44 Crore) within two (2) Business Days of expiry of every such Month. Such additional Contract Performance Guarantee shall be provided to Central Transmission Utility of India Limited (being the Nodal Agency) in the manner provided in Article 3.1.1 and shall become part of the Contract Performance Guarantee and all the provisions of this Agreement shall be construed accordingly. Central Transmission Utility of India Limited (being the Nodal Agency) shall be entitled to hold and / or invoke the Contract Performance Guarantee, including such additional Contract Performance Guarantee, in accordance with the provisions of this Agreement.

3.3.2 Subject to Article 3.3.4, if:

(i) the fulfilment of any of the conditions specified in Article 3.1.3 is delayed beyond nine (9) Months from the Effective Date and the TSP fails to furnish additional Contract Performance Guarantee to the Nodal Agency in accordance with Article 3.3.1 hereof; or

(ii) the TSP furnishes additional Performance Guarantee to the Nodal Agency in accordance with Article 3.3.1 hereof but fails to fulfil the conditions specified in Article 3.1.3 within a period of twelve (12) months from the Effective Date,

the Nodal Agency shall have the right to terminate this Agreement, by giving a Termination Notice to the TSP, in writing, of at least seven (7) days, with a copy to CEA and the Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement.

3.3.3 If the Nodal Agency elects to terminate this Agreement as per the provisions of Article 3.3.2, the TSP shall be liable to pay to the Nodal Agency an amount of Rs. 84.40 Crore (Rupees Eighty Four Crore Forty Lakh Only) as liquidated damages. The Nodal Agency shall be entitled to recover this amount of damages by invoking the Contract Performance Guarantee to the extent of liquidated damages, which shall be required by the Nodal Agency, and the balance shall be returned to TSP, if any.

It is clarified for removal of doubt that this Article shall survive the termination of this Agreement.

3.3.4 In case of inability of the TSP to fulfil the conditions specified in Article 3.1.3 due to any Force Majeure Event, the time period for fulfilment of the condition subsequent as mentioned in Article 3.1.3, may be extended for a period of such Force Majeure Event. Alternatively, if deemed necessary, this Agreement may be terminated by the Nodal Agency by giving a Termination Notice to the TSP, in writing, of at least seven (7) days, with a copy to CEA and the Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement and the Contract Performance Guarantee shall be returned as per the provisions of Article 6.5.1.

Provided, that due to the provisions of this Article 3.3.4, any increase in the time period for completion of conditions subsequent mentioned under Article 3.1.3, shall lead to an equal increase in the time period for the Scheduled COD. If the Scheduled COD is extended beyond a period of one hundred eighty (180) days due to the provisions of this Article 3.3.4, the TSP will be allowed to recover the interest cost during construction corresponding to the period exceeding one hundred eighty (180) days by adjustment in the Transmission Charges in accordance with Schedule 9.

3.3.5 Upon termination of this Agreement as per Articles 3.3.2 and 3.3.4, the Nodal Agency may take steps to bid out the Project again.

3.3.6 The Nodal agency, on the failure of the TSP to fulfil its obligations, if it considers that there are sufficient grounds for so doing, apart from invoking the Contract Performance Guarantee under para 3.3.3 may also initiate proceedings for blacklisting the TSP as per provisions of Article 13.2 of TSA.

3.4 Progress Reports

The TSP shall notify the Nodal Agency and CEA in writing at least once a Month on the progress made in satisfying the conditions subsequent in Articles 3.1.3.

ARTICLE: 4

4 DEVELOPMENT OF THE PROJECT

4.1 TSP's obligations in development of the Project:

Subject to the terms and conditions of this Agreement, the TSP at its own cost and expense shall observe, comply with, perform, undertake and be responsible:

a. for procuring and maintaining in full force and effect all Consents, Clearances and Permits, required in accordance with Law for development of the Project;

b. for financing, constructing, owning and commissioning each of the Element of the Project for the scope of work set out in Schedule 1 of this Agreement in accordance with:

i. the Electricity Act and the Rules made thereof;

ii. the Grid Code;

iii. the CEA Regulations applicable, and as amended from time to time, for Transmission Lines and sub-stations:

- the Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007;
- Central Electricity Authority (Technical Standards for construction of Electrical Plants and Electric Lines) Regulation, 2010;
- Central Electricity Authority (Grid Standard) Regulations, 2010;
- Central Electricity Authority (Safety requirements for construction, operation and maintenance of Electrical Plants and Electrical Lines) Regulation, 2011;
- Central Electricity Authority (Measures relating to Safety and Electricity Supply) Regulation, 2010;
- Central Electricity Authority (Technical Standards for Communication System in Power System Operation) Regulations, 2020.

iv. Safety/ security Guidelines laid down by the Government;

v. Prudent Utility Practices, relevant Indian Standards and the Law;

not later than the Scheduled COD as per Schedule 2 of this Agreement;

c. for entering into a Connection Agreement with the concerned parties in accordance with the Grid Code.

d. for owning the Project throughout the term of this Agreement free and clear of any encumbrances except those expressly permitted under Article 15 of this Agreement;

e. to co-ordinate and liaise with concerned agencies and provide on a timely basis relevant information with regard to the specifications of the Project that may be required for interconnecting the Project with the Interconnection Facilities;

f. for providing all assistance to the Arbitrators as they may require for the performance of their duties and responsibilities;

g. to provide to the Nodal Agency and CEA, on a monthly basis, progress reports with regard to the Project and its execution (in accordance with prescribed form) to enable the CEA to monitor and co-ordinate the development of the Project matching with the Interconnection Facilities;

h. to comply with Ministry of Power order no. 25-11/6/2018 – PG dated 02.07.2020 as well as other Guidelines issued by Govt. of India pertaining to this;

i. to procure the products associated with the Transmission System as per provisions of Public Procurement (Preference to Make in India) orders issued by Ministry of Power vide orders No. 11/5/2018 - Coord. dated 28.07.2020 for transmission sector, as amended from time to time read with Department for Promotion of Industry and Internal Trade (DPIIT) orders in this regard (Procuring Entity as defined in above orders shall deemed to have included Selected Bidder and/ or TSP).

Also, to comply with Department of Expenditure, Ministry of Finance vide Order (Public Procurement No 1) bearing File No. 6/18/2019-PPD dated 23.07.2020, Order (Public

Procurement No 2) bearing File No. 6/18/2019-PPD dated 23.07.2020 and Order (Public Procurement No. 3) bearing File No. 6/18/2019-PPD, dated 24.07.2020, as amended from time to time, regarding public procurement from a bidder of a country, which shares land border with India;

j. to submit to Nodal Agency information in the prescribed format [To be devised by Nodal Agency] for ensuring compliance to Article 4.1 i) above.

k. to comply with all its obligations undertaken in this Agreement.

4.2 Roles of the Nodal Agency in implementation of the Project:

4.2.1 Subject to the terms and conditions of this Agreement, the Nodal Agency shall be the holder and administrator of this Agreement and shall inter alia:

a. appoint an Independent Engineer within 90 days of the Effective Date

b. provide letters of recommendation to the concerned Indian Governmental Instrumentality, as may be requested by the TSP from time to time, for obtaining the Consents, Clearances and Permits required for the Project;

c. coordinate among TSP and upstream/downstream entities in respect of Interconnection Facilities; and

d. monitor the implementation of the Agreement and take appropriate action for breach thereof including revocation of guarantees, cancellation of Agreement, blacklisting etc

e. provide all assistance to the Arbitrators as required for the performance of their duties and responsibilities; and

f. perform any other responsibility (ies) as specified in this Agreement.

4.3 Time for Commencement and Completion:

a. The TSP shall take all necessary steps to commence work on the Project from the Effective Date of the Agreement and shall achieve Scheduled COD of the Project in accordance with the time schedule specified in Schedule 2 of this Agreement;

b. The COD of each Element of the Project shall occur no later than the Scheduled COD or within such extended time to which the TSP shall be entitled under Article 4.4 hereto.

4.4 Extension of time:

4.4.1 In the event that the TSP is unable to perform its obligations for the reasons solely attributable to the Nodal Agency, the Scheduled COD shall be extended, by a 'day to day' basis, subject to the provisions of Article 13.

4.4.2 In the event that an Element or the Project cannot be commissioned by its Scheduled COD on account of any Force Majeure Event as per Article 11, the Scheduled COD shall be extended, by a 'day to day' basis for a period of such Force Majeure Event. Alternatively, if deemed necessary, the Nodal Agency may terminate the Agreement as per the provisions of Article 13.4 by giving a Termination Notice to the TSP, in writing, of at least seven (7) days, with a copy to CEA and the Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement.

4.4.3 If the Parties have not agreed, within thirty (30) days after the affected Party's performance has ceased to be affected by the relevant circumstance, on how long the Scheduled COD should be deferred by, any Party may raise the Dispute to be resolved in accordance with Article 16.

4.5 Metering Arrangements:

4.5.1 The TSP shall comply with all the provisions of the IEGC and the Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006 as amended from time to time, with regard to the metering arrangements for the Project. The TSP shall fully cooperate with the CTU / STU / RLDC and extend all necessary assistance in taking meter readings.

4.6 Interconnection Facilities:

4.6.1 Subject to the terms and conditions of this Agreement, the TSP shall be responsible for connecting the Project with the interconnection point(s) specified in Schedule 1 of this Agreement. The Interconnection Facilities shall be developed as per the scope of work and responsibilities assigned in Schedule 1 of this Agreement. The Nodal Agency shall be responsible for coordinating to make available the Interconnection Facilities.

4.6.2 In order to remove any doubts, it is made clear that the obligation of the TSP within the scope of the project is to construct the Project as per Schedule-1 of this Agreement and in particular to connect it to the Interconnection Facilities as specified in this Agreement.

ARTICLE: 5

5 CONSTRUCTION OF THE PROJECT

5.1 TSP's Construction Responsibilities:

5.1.1 The TSP, at its own cost and expense, shall be responsible for designing, constructing, erecting, testing and commissioning each Element of the Project by the Scheduled COD in accordance with the Regulations and other applicable Laws specified in Article 4.1 of this Agreement.

5.1.2 The TSP acknowledges and agrees that it shall not be relieved from any of its obligations under this Agreement or be entitled to any extension of time or any compensation whatsoever by reason of the unsuitability of the Site or Transmission Line route(s).

5.1.3 The TSP shall be responsible for obtaining all Consents, Clearances and Permits related but not limited to road / rail / river / canal / power line / crossings, Power and Telecom Coordination Committee (PTCC), defence, civil aviation, right of way / way-leaves and environmental & forest clearances from relevant authorities required for developing, financing, constructing, maintaining/ renewing all such Consents, Clearances and Permits in order to carry out its obligations under this Agreement in general and shall furnish to the Nodal Agency such copy/ies of each Consents, Clearances and Permits, on demand. Nodal Agency shall provide letters of recommendation to the concerned Indian Governmental Instrumentality, as may be requested by the TSP from time to time for obtaining the Consents, Clearances and Permits required for the Project.

5.1.4 The TSP shall be responsible for:

(a) acquisition of land for location specific substations, switching stations or HVDC terminal or inverter stations. Also, the actual location of Greenfield substations (Switching Stations or HVDC Terminal or Inverter Stations) for a generation pooling substation and for load serving substations in the scope of TSP:

- For a Generation Pooling Substation shall not be beyond 3 Km radius of the location proposed by the BPC in their Survey Report.
- For Load Serving Substation within the scope of TSP shall not be beyond 5 Km radius of the location proposed by the BPC in their Survey Report.

- For an Intermediate Substation shall not be beyond 10 Km radius of the location proposed by the BPC in their Survey Report;

(b) final selection of Site including its geo-technical investigation;

(c) survey and geo-technical investigation of line route in order to determine the final route of the Transmission Lines;

(d) seeking access to the Site and other places where the Project is being executed, at its own risk and costs, including payment of any crop, tree compensation or any other compensation as may be required.

5.1.5 In case the Project involves any resettlement and rehabilitation, the resettlement and rehabilitation package will be implemented by the State Government authorities, for which the costs is to be borne by the TSP and no changes would be allowed in the Transmission Charges on account of any variation in the resettlement and rehabilitation cost. The TSP shall provide assistance on best endeavour basis, in implementation of the resettlement and rehabilitation package, if execution of such package is in the interest of expeditious implementation of the Project and is beneficial to the Project affected persons.

5.2 Appointing Contractors:

5.2.1 The TSP shall conform to the requirements as provided in this Agreement while appointing Contractor(s) for procurement of goods & services.

5.2.2 The appointment of such Contractor(s) shall neither relieve the TSP of any of its obligations under this Agreement nor make the Nodal Agency liable for the performance of such Contractor(s).

5.3 Monthly Progress Reporting:

The TSP shall provide to the CEA, Nodal Agency & Independent Engineer, on a monthly basis, progress reports along with likely completion date of each Element with regard to the Project and its execution (in accordance with prescribed form). The Nodal Agency/ CEA shall monitor the development of the Project for its timely completion for improving and augmenting the electricity system as a part of its statutory responsibility.

5.4 Quality of Workmanship:

The TSP shall ensure that the Project is designed, built and completed in a good workmanship using sound engineering and construction practices,

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and using only materials and equipment that are new and manufactured as per the MQP and following approved FQP for erection, testing & commissioning and complying with Indian /International Standards such that, the useful life of the Project will be at least thirty five (35) years from the COD of the Project.

The TSP shall ensure that all major substation equipment / component (e.g. transformers, reactors, Circuit Breakers, Instrument Transformers (IT), Surge Arresters (SA), Protection relays, clamps & connectors etc.), equipment in terminal stations of HVDC installations including Thyristor/ IGBT valves, Converter Transformers, smoothing reactors, Transformer bushings and wall bushings, GIS bus ducts, towers and gantry structures and transmission towers or poles and line materials (conductors, earthwire, OPGW, insulator, accessories for conductors, OPGW & earthwires, hardware fittings for insulators, aviation lights etc), facilities and system shall be designed, constructed and tested (Type test, Routine tests, Factory Acceptance Test (FAT)) in accordance with relevant CEA Regulations and Indian Standards. In case Indian Standards for any particular equipment/ system/ process is not available, IEC/ IEEE or equivalent International Standards and Codes shall be followed.

5.5 Progress Monitoring & Quality Assurance:

5.5.1 The Project Execution Plan submitted by the TSP in accordance with Article 3.1.3 c) shall comprise of detailed schedule of all the equipments/items /materials required for the Project, right from procurement of raw material till the dispatch from works and receipt at the site. Further, it should also include various stages of the construction schedule up to the commissioning of the Project.

5.5.2 Nodal Agency, CEA & Independent Engineer shall have access at all reasonable times to the Site and to the Manufacturer's works and to all such places where the Project is being executed.

5.5.3 Independent Engineer shall ensure conformity of the conductor specifications with the functional specifications specified in RFP.

5.5.4 The Independent Engineer shall monitor the following during construction of the Project:

a) Quality of equipments, material, foundation, structures and workmanship etc. as laid down in Article 5.4 and 6.1.4 of the TSA. Specifically, quality of Sub-station equipments, transmission line material and workmanship etc. would be checked in accordance with the Article 5.4.

b) Progress in the activities specified in Condition Subsequent

c) Verification of readiness of the elements including the statutory clearances & completion of civil works, fixing of all components and finalisation of punch points (if any) prior to charging of the elements

d) Progress of construction of substation and Transmission Lines

5.5.5 The progress shall be reviewed by the Independent Engineer against the Project Execution Plan. The Independent Engineer shall prepare its report on monthly basis and submit the same to Nodal Agency highlighting the progress achieved till the end of respective month vis-à-vis milestone activities, areas of concern, if any, which may result in delay in the timely completion of the Project. Based on the progress, Nodal Agency and/ or CEA shall issue written instructions to the TSP to take corrective measures, as may be prudent for the timely completion of the Project. In case of any deficiency, the Nodal Agency would be at liberty to take action in accordance with the procedure of this Agreement.

5.5.6 For any delay in commissioning any critical Element(s), as identified in Schedule 1 & Schedule 2 of this Agreement, beyond a period of 45 days shall lead to a sequestration of 10% of the Contract Performance Guarantee.

5.6 Site regulations and Construction Documents

The TSP shall abide by the Safety Rules and Procedures as mentioned in Schedule 3 of this Agreement

The TSP shall retain at the Site and make available for inspection at all reasonable times, copies of the Consents, Clearances and Permits, construction drawings and other documents related to construction.

5.7 Supervision of work:

The TSP shall provide all necessary superintendence for execution of the Project and its supervisory personnel shall be available to provide full-time superintendence for execution of the Project. The TSP shall provide skilled personnel who are experienced in their respective fields.

5.8 Remedial Measures:

The TSP shall take all necessary actions for remedying the shortfall in achievement of timely progress in execution of the Project, if any, as intimated by the Independent Engineer and/ or CEA and/ or the Nodal Agency. However, such intimation by the Independent Engineer and/ or CEA and/ or the Nodal Agency and the subsequent effect of such remedial measures carried out by the TSP shall not relieve the TSP of its obligations in the Agreement. Independent Engineer and/ or CEA and/ or

the Nodal Agency may carry out random inspections during the Project execution, as and when deemed necessary by it. If the shortfalls as intimated to the TSP are not remedied to the satisfaction of the CEA and/ or the Nodal Agency, this Agreement may be terminated by the Nodal Agency by giving a Termination Notice to the TSP, in writing, of at least seven (7) days, with a copy to CEA and the Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement.

ARTICLE: 6

6 CONNECTION AND COMMISSIONING OF THE PROJECT

6.1 Connection with the Inter-Connection Facilities:

6.1.1 The TSP shall give the RLDC(s), CTU, / STU, as the case may be, and any other agencies as required, at least sixty (60) days advance written notice of the date on which it intends to connect an Element of the Project, which date shall not be earlier than its Scheduled COD or Schedule COD extended as per Article 4.4.1 & 4.4.2 of this Agreement, unless mutually agreed to by Parties. Further, any preponing of COD of any element prior to Scheduled COD must be approved by the Nodal Agency.

6.1.2 The RLDC / SLDC (as the case may be) or the CTU / STU (as the case may be), for reasonable cause, including non-availability of Interconnection Facilities as per Article 4.2, can defer the connection for up to fifteen (15) days from the date notified by the TSP pursuant to Article 6.1.1, if it notifies to the TSP in writing, before the date of connection, of the reason for the deferral and when the connection is to be rescheduled. However, no such deferment on one or more occasions would be for more than an aggregate period of thirty (30) days. Further, the Scheduled COD would be extended as required, for all such deferments on "day to day" basis.

6.1.3 Subject to Articles 6.1.1 and 6.1.2, any Element of Project may be connected with the Interconnection Facilities when:

a. it has been completed in accordance with this Agreement and the Connection Agreement;

b. it meets the Grid Code, Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007 as amended from time to time and all other Indian legal requirements, and

c. The TSP has obtained the approval in writing of the Electrical Inspector certifying that the Element is ready from the point of view of safety of supply and can be connected with the Interconnection Facilities.

d. It has satisfactorily met all the testing requirements as per Articles 6.1.4

6.1.4 Site Acceptance Test (SAT)/ pre-commissioning tests of all major substation equipment, component, system, facilities shall be successfully carried out before commissioning. The Type tests, FAT and SAT reports should be available at the substation / terminal station of HVDC installations for ready reference of operation and maintenance staff and has to be made available to the Independent Engineer appointed for quality monitoring or their authorised representatives, as and when they wish to examine the same.

6.2 Commercial Operation:

6.2.1 An Element of the Project shall be declared to have achieved COD twenty four (24) hours following the connection of the Element with the Interconnection Facilities pursuant to Article 6.1 or seven (7) days after the date on which it is declared by the TSP to be ready for charging but is not able to be charged for reasons not attributable to the TSP subject to Article 6.1.2.

Provided that an Element shall be declared to have achieved COD only after all the Element(s), if any, which are pre-required to have achieved COD as defined in Schedule 2 of this Agreement, have been declared to have achieved their respective COD.

6.2.2 Once any Element of the Project has been declared to have achieved deemed COD as per Article 6.2.1 above, such Element of the Project shall be deemed to have Availability equal to the Target Availability till the actual charging of the Element and to this extent, TSP shall be eligible for the Monthly Transmission Charges applicable for such Element

6.3 Compensation for Direct Non Natural Force Majeure Event or Indirect Non Natural Force Majeure Event or Natural Force Majeure Event (affecting the Nodal Agency)

6.3.1 If the TSP is otherwise ready to connect the Element(s) of the Project and has given due notice, as per provisions of Article 6.1.1, to the concerned agencies of the date of intention to connect the Element(s) of the Project, where such date is not before the Scheduled COD, but is not able to connect the Element(s) of the Project by the said date specified in the notice, due to Direct Non Natural Force Majeure Event or Indirect Non Natural Force Majeure Event or Natural Force Majeure Event affecting the Nodal Agency, provided such Direct Non Natural Force Majeure Event or Indirect Non Natural Force Majeure Event or Natural Force Majeure Event affecting the Nodal Agency has continued for a period of more than three (3) continuous or non-continuous Months, the TSP shall,

until the effects of the Direct Non Natural Force Majeure Event or of Indirect Non Natural Force Majeure Event or Natural Force Majeure Event affecting the Nodal Agency no longer prevent the TSP from connecting the Element(s) of the Project, be deemed to have achieved COD relevant to that date and to this extent, be deemed to have been providing Transmission Service with effect from the date notified, and shall be treated as follows:

a. In case of delay due to Direct Non Natural Force Majeure Event, TSP is entitled for Transmission Charges calculated on Target Availability for the period of such events in excess of three (3) continuous or non continuous Months in the manner provided in (c) below.

b. In case of delay due to Indirect Non Natural Force Majeure Event or Natural Force Majeure Event affecting the Nodal Agency, TSP is entitled for payment for debt service which is due under the Financing Agreements, subject to a maximum of Transmission Charges calculated on Target Availability, for the period of such events in excess of three (3) continuous or non continuous Months in the manner provided in (c) below.

c. In case of delay due to Direct Non Natural Force Majeure Event or Indirect Non Natural Force Majeure Event or Natural Force Majeure Event affecting the Nodal Agency, the TSP is entitled for payments mentioned in (a) and (b) above, after commencement of Transmission Service, in the form of an increase in Transmission Charges. These amounts shall be paid from the date, being the later of a) the date of cessation of such Indirect Non Natural Force Majeure Event or Natural Force Majeure Event affecting the Nodal Agency and b) the completion of sixty (60) days from the receipt of the Financing Agreements by the Nodal Agency from the TSP.

   Provided such increase in Transmission Charges shall be so as to put the TSP in the same economic position as the TSP would have been in case the TSP had been paid amounts mentioned in (a) and (b) above in a situation where the Force Majeure Event had not occurred.

For the avoidance of doubt, it is clarified that the charges payable under this Article 6.3.1 shall be recovered as per Sharing Regulations.

6.4 Liquidated Damages for Delay in achieving COD of Project:

6.4.1 If the TSP fails to achieve COD of any Element of the Project or the Project, by the Element's / Project's Scheduled COD or such Scheduled

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COD as extended under Articles 4.4.1 and 4.4.3, then the TSP shall pay to the Nodal Agency, a sum equivalent to 3.33% of Monthly Transmission Charges applicable for the Element of the Project [in case where no Elements have been defined, to be on the Project as a whole] / Project, for each day of delay up to sixty (60) days of delay and beyond that time limit, at the rate of five percent (5%) of the Monthly Transmission Charges applicable to such Element / Project, as liquidated damages for such delay and not as penalty, without prejudice to any rights of the Nodal Agency under the Agreement.

6.4.2 The TSP's maximum liability under this Article 6.4 shall be limited to the amount of liquidated damages calculated in accordance with Article 6.4.1 for and up to six (6) months of delay for the Element or the Project.

Provided that, in case of failure of the TSP to achieve COD of the Element of the Project even after the expiry of six (6) months from its Scheduled COD, the provisions of Article 13 shall apply.

6.4.3 The TSP shall make payment to the Nodal Agency of the liquidated damages calculated pursuant to Article 6.4.1 within ten (10) days of the earlier of:

a. the date on which the applicable Element achieves COD; or

b. the date of termination of this Agreement.

The payment of such damages shall not relieve the TSP from its obligations to complete the Project or from any other obligation and liabilities under the Agreement.

6.4.4 If the TSP fails to pay the amount of liquidated damages to the Nodal Agency within the said period of ten (10) days, the Nodal Agency shall be entitled to recover the said amount of the liquidated damages by invoking the Contract Performance Guarantee. If the then existing Contract Performance Guarantee is for an amount which is less than the amount of the liquidated damages payable by the TSP to the Nodal Agency under this Article 6.3 and the TSP fails to make payment of the balance amount of the liquidated damages not covered by the Contract Performance Guarantee, then such balance amount shall be deducted from the Transmission Charges payable to the TSP. The right of the Nodal Agency to encash the Contract Performance Guarantee is without prejudice to the other rights of the Nodal Agency under this Agreement.

6.4.5 For avoidance of doubt, it is clarified that amount payable by TSP under this Article is over and above the penalty payable by TSP under Article 5.5.6 of this Agreement.

6.5 Return of Contract Performance Guarantee

6.5.1 The Contract Performance Guarantee as submitted by TSP in accordance with Article 3.1.1 shall be released by the Nodal Agency within three (3) months from the COD of the Project. In the event of delay in achieving Scheduled COD of any of the Elements by the TSP (otherwise than due to reasons as mentioned in Article 3.1.3 or Article 11) and consequent part invocation of the Contract Performance Guarantee by the Nodal Agency, Nodal Agency shall release the Contract Performance Guarantee, if any remaining unadjusted, after the satisfactory completion by the TSP of all the requirements regarding achieving the Scheduled COD of the remaining Elements of the Project. It is clarified that the Nodal Agency shall also return / release the Contract Performance Guarantee in the event of (i) applicability of Article 3.3.2 to the extent the Contract Performance Guarantee is valid for an amount in excess of Rs 84.40 Crore (Rupees Eighty Four Crore Forty Lakh Only), or (ii) termination of this Agreement by the Nodal Agency as mentioned under Article 3.3.4 of this Agreement.

6.5.2 The release of the Contract Performance Guarantee shall be without prejudice to other rights of the Nodal Agency under this Agreement.

ARTICLE: 7

7 OPERATION AND MAINTENANCE OF THE PROJECT

7.1 Operation and Maintenance of the Project:

The TSP shall be responsible for ensuring that the Project is operated and maintained in accordance with the regulations made by the Commission and CEA from time to time and provisions of the Act.

ARTICLE: 8

8 AVAILABILITY OF THE PROJECT

8.1 Calculation of Availability of the Project:

Calculation of Availability for the Elements and for the Project, as the case may be, shall be as per Appendix –IV to Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024, as applicable on the Bid Deadline and as appended in Schedule 6 of this Agreement.

8.2 Target Availability:

The Target Availability of each Element and the Project shall be 98%.

Payment of monthly Transmission charges based on actual availability will be calculated as per para 1.2 of Schedule 4 of this Agreement.

If the availability of any Element or the Project is below the Target Availability, for six consecutive months in a Contract Year, the DIC(s) or the Nodal Agency may issue a show cause notice to the TSP, asking them to show cause as to why the Transmission Service Agreement be not terminated, and if no satisfactory cause is shown it may terminate the Agreement. If the Nodal Agency is of the opinion that the transmission system is of critical importance, it may carry out or cause to carry the operation and maintenance of transmission system at the risk and cost of TSP.

ARTICLE: 9

9 INSURANCES

9.1 Insurance:

9.1.1 The TSP shall effect and maintain or cause to be effected and maintained during the Construction Period and the Operating Period, adequate Insurances against such risks, with such deductibles including but not limited to any third party liability and endorsements and co-beneficiary/insured, as may be necessary under

a. any of the Financing Agreements,

b. the Laws, and

c. in accordance with Prudent Utility Practices.

The Insurances shall be taken effective from a date prior to the date of the Financial Closure till the Expiry Date.

9.2 Evidence of Insurance cover:

9.2.1 The TSP shall furnish to the Nodal Agency copies of certificates and policies of the Insurances, as and when the Nodal Agency may seek from the TSP as per the terms of Article 9.1

9.3 Application of Insurance Proceeds:

9.3.1 Save as expressly provided in this Agreement, the policies of Insurances and the Financing Agreements, the proceeds of any insurance claim made due to loss or damage to the Project or any part of the Project shall be first applied to reinstatement, replacement or renewal of such loss or damage.

9.3.2 If a Natural Force Majeure Event renders the Project no longer economically and technically viable and the insurers under the Insurances make payment on a "total loss" or equivalent basis, the portion of the proceeds of such Insurance available to the TSP (after making admissible payments to the Lenders as per the Financing Agreements) shall be allocated only to the TSP. Nodal Agency and / or concerned Designated ISTS Customers shall have no claim on such proceeds of the Insurance.

9.3.3 Subject to the requirements of the Lenders under the Financing Agreements, any dispute or difference between the Parties as to whether the Project is no longer economically and technically viable due to a Force Majeure Event or whether that event was adequately covered in

accordance with this Agreement by the Insurances shall be determined in accordance with Article 16.

9.4 Effect on liability of the Nodal Agency / Designated ISTS Customers

9.4.1 The Nodal Agency and / or the Designated ISTS Customers shall have no financial obligations or liability whatsoever towards the TSP in respect of this Article 9.

ARTICLE: 10

10 BILLING AND PAYMENT OF TRANSMISSION CHARGES

10.1 Subject to provisions of this Article 10, the Monthly Transmission Charges shall be paid to the TSP, in Indian Rupees, on monthly basis as per the provisions of the Sharing Regulations, from the date on which an Element(s) has achieved COD until the Expiry Date of this Agreement, unless terminated earlier and in line with the provisions of Schedule 4 of this Agreement.

10.2 Calculation of Monthly Transmission Charges:

The Monthly Transmission Charges for each Contract Year including Incentive & Penalty payment shall be calculated in accordance with the provisions of Schedule 4 of this Agreement.

10.3 Rebate & Late Payment Surcharge:

The rebate and late payment surcharge shall be governed as per Sharing Regulations.

10.4 Disputed Bills, Default in payment by the Designated ISTS Customers & Annual Reconciliation:

Any Disputed Bill, Default in payment by the Designated ISTS Customers & Annual Reconciliation shall be governed as per Sharing Regulations.

ARTICLE: 11

11 FORCE MAJEURE

11.1 Definitions

11.1.1 The following terms shall have the meanings given hereunder.

11.2 Affected Party

11.2.1 An Affected Party means any Party whose performance has been affected by an event of Force Majeure.

11.2.2 Any event of Force Majeure shall be deemed to be an event of Force Majeure affecting the TSP only if the Force Majeure event affects and results in, late delivery of machinery and equipment for the Project or construction, completion, commissioning of the Project by Scheduled COD and/or operation thereafter;

11.3 Force Majeure

A 'Force Majeure' means any event or circumstance or combination of events and circumstances including those stated below that wholly or partly prevents or unavoidably delays an Affected Party in the performance of its obligations/ roles under this Agreement, but only if and to the extent that such events or circumstances are not within the reasonable control, directly or indirectly, of the Affected Party and could not have been avoided if the Affected Party had taken reasonable care or complied with Prudent Utility Practices:

(a) **Natural Force Majeure Events:**

i. act of God, including, but not limited to drought, fire and explosion (to the extent originating from a source external to the Site), earthquake, volcanic eruption, landslide, flood, cyclone, typhoon, tornado, or exceptionally adverse weather conditions, which are in excess of the statistical measures for the last hundred (100) years; and

ii. epidemic/ pandemic notified by Indian Governmental Instrumentality.

(b) **Non-Natural Force Majeure Events :**

i. Direct Non–Natural Force Majeure Events

- Nationalization or compulsory acquisition by any Indian

Governmental Instrumentality of any material assets or rights of the Affected Party; or

- the unlawful, unreasonable or discriminatory revocation of, or refusal to renew, any Consents, Clearances and Permits required by the Affected Party to perform their obligations/ roles under the RFP Project Documents or any unlawful, unreasonable or discriminatory refusal to grant any other Consents, Clearances and Permits required for the development/ operation of the Project, provided that a Competent Court of Law declares the revocation or refusal to be unlawful, unreasonable and discriminatory and strikes the same down; or

- any other unlawful, unreasonable or discriminatory action on the part of an Indian Governmental Instrumentality which is directed against the Project, provided that a Competent Court of Law declares the action to be unlawful, unreasonable and discriminatory and strikes the same down.

ii. Indirect Non - Natural Force Majeure Events

- act of war (whether declared or undeclared), invasion, armed conflict or act of foreign enemy, blockade, embargo, revolution, riot, insurrection, terrorist or military action; or

- radio active contamination or ionising radiation originating from a source in India or resulting from any other Indirect Non Natural Force Majeure Event mentioned above, excluding circumstances where the source or cause of contamination or radiation is brought or has been brought into or near the Site by the Affected Party or those employed or engaged by the Affected Party; or

- industry-wide strikes and labour disturbances, having a nationwide impact in India.

11.4 Force Majeure Exclusions

11.4.1 Force Majeure shall not include (i) any event or circumstance which is within the reasonable control of the Parties and (ii) the following conditions, except to the extent that they are consequences of an event of Force Majeure:

(a) Unavailability, late delivery, or changes in cost of the machinery,

equipment, materials, spare parts etc. for the Project;

(b) Delay in the performance of any Contractors or their agents;

(c) Non-performance resulting from normal wear and tear typically experienced in transmission materials and equipment;

(d) Strikes or labour disturbance at the facilities of the Affected Party;

(e) Insufficiency of finances or funds or the Agreement becoming onerous to perform; and

(f) Non-performance caused by, or connected with, the Affected Party's:

i. negligent or intentional acts, errors or omissions;

ii. failure to comply with an Indian Law; or

iii. breach of, or default under this Agreement or any Project Documents.

(g) Any error or omission in the survey report provided by BPC during the bidding process.

11.5 Notification of Force Majeure Event

11.5.1 The Affected Party shall give notice to the other Party of any event of Force Majeure as soon as reasonably practicable, but not later than seven (7) days after the date on which such Party knew or should reasonably have known of the commencement of the event of Force Majeure. If an event of Force Majeure results in a breakdown of communications rendering it unreasonable to give notice within the applicable time limit specified herein, then the Party claiming Force Majeure shall give such notice as soon as reasonably practicable after reinstatement of communications, but not later than one (1) day after such reinstatement.

Provided that, such notice shall be a pre-condition to the Affected Party's entitlement to claim relief under this Agreement. Such notice shall include full particulars of the event of Force Majeure, its effects on the Party claiming relief and the remedial measures proposed. The Affected Party shall give the other Party regular reports on the progress of those remedial measures and such other information as the other Party may reasonably request about the Force Majeure.

11.5.2 The Affected Party shall give notice to the other Party of (i) the cessation of the relevant event of Force Majeure; and (ii) the cessation of the effects of such event of Force Majeure on the performance of its rights or obligations/ roles under this Agreement, as soon as practicable after becoming aware of each of these cessations.

11.6 Duty to perform and duty to mitigate

To the extent not prevented by a Force Majeure Event, the Affected Party shall continue to perform its obligations/ roles as provided in this Agreement. The Affected Party shall use its reasonable efforts to mitigate the effect of any event of Force Majeure as soon as practicable.

11.7 Available Relief for a Force Majeure Event

Subject to this Article 11,

(a) no Party shall be in breach of its obligations/ roles pursuant to this Agreement to the extent that the performance of its obligations/ roles was prevented, hindered or delayed due to a Force Majeure Event;

(b) each Party shall be entitled to claim relief for a Force Majeure Event affecting its performance in relation to its obligations/ roles under Articles 3.3.4, 4.4.2 and 6.3.1 of this Agreement.

(c) For the avoidance of doubt, it is clarified that the computation of Availability of the Element(s) under outage due to Force Majeure Event, as per Article 11.3 affecting the TSP shall be as per Appendix –IV to Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 as on Bid Deadline. For the event(s) for which the Element(s) is/are deemed to be available as per Appendix –IV to Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024, then the Transmission Charges, as applicable to such Element(s), shall be payable as per Schedule 4, for the duration of such event(s).

(d) For so long as the TSP is claiming relief due to any Force Majeure Event under this Agreement, the Nodal Agency may, if it so desires, from time to time on one (1) day notice, inspect the Project and the TSP shall provide the Nodal Agency's personnel with access to the Project to carry out such inspections.

(e) For avoidance of doubt, the TSP acknowledges that for extension of Scheduled COD a period up to one hundred eighty (180) days due to Force Majeure event, no compensation on the grounds such as

interest cost, incident expenditure, opportunity cost will be made to the TSP. However, if Scheduled COD is extended beyond a period of one hundred eighty (180) days due to Force Majeure event, the TSP will be allowed to recover the interest cost during construction corresponding to the period exceeding one hundred eighty (180) days by adjustment in the Transmission Charges in accordance with Schedule 9.

ARTICLE: 12

12 CHANGE IN LAW

12.1 Change in Law

12.1.1 Change in Law means the occurrence of any of the following after the Bid Deadline resulting into any additional recurring / non-recurring expenditure by the TSP or any savings of the TSP:

- the enactment, coming into effect, adoption, promulgation, amendment, modification or repeal (without re-enactment or consolidation) in India, of any Law, including rules and regulations framed pursuant to such Law, subject to the provisions under Article 12.1.2;
- a change in the interpretation or application of any Law by any Indian Governmental Instrumentality having the legal power to interpret or apply such Law, or any Competent Court of Law;
- the imposition of a requirement for obtaining any Consents, Clearances and Permits which was not required earlier;
- a change in the terms and conditions prescribed for obtaining any Consents, Clearances and Permits or the inclusion of any new terms or conditions for obtaining such Consents, Clearances and Permits;
- any change in the licensing regulations of the Commission, under which the Transmission License for the Project was granted if made applicable by such Commission to the TSP;
- change in wind zone; or
- any change in tax or introduction of any tax made applicable for providing Transmission Service by the TSP as per the terms of this Agreement.

12.1.2 Notwithstanding anything contained in this Agreement, Change in Law shall not cover any change:

a) Taxes on corporate income; and

b) Withholding tax on income or dividends distributed to the shareholders of the TSP.

12.2 Relief for Change in Law

12.2.1 During Construction Period, the impact of increase/decrease in the cost of the Project on the Transmission Charges shall be governed by the formula given in Schedule 9 of this Agreement.

12.2.2 During the Operation Period:

During the operation period, if as a result of Change in Law, the TSP suffers or is benefited from a change in costs or revenue, the aggregate financial effect of which exceeds 0.30% (zero point three percent) of the Annual Transmission Charges in aggregate for a Contract Year, the TSP may notify so to the Nodal Agency and propose amendments to this Agreement so as to place the TSP in the same financial position as it would have enjoyed had there been no such Change in Law resulting in change in costs or revenue as aforesaid.

12.2.3 For any claims made under Articles 12.2.1 and 12.2.2 above, the TSP shall provide to the Nodal Agency documentary proof of such increase / decrease in cost of the Project / revenue for establishing the impact of such Change in Law.

In cases where Change in Law results in decrease of cost and it comes to the notice of Nodal Agency that TSP has not informed Nodal Agency about such decrease in cost, Nodal Agency may initiate appropriate claim.

12.3 Notification of Change in Law:

12.3.1 If the TSP is affected by a Change in Law in accordance with Article 12.1 and wishes to claim relief for such Change in Law under this Article 12, it shall give notice to Nodal Agency of such Change in Law as soon as reasonably practicable after becoming aware of the same.

12.3.2 The TSP shall also be obliged to serve a notice to the Nodal Agency even when it is beneficially affected by a Change in Law.

12.3.3 Any notice served pursuant to Articles 12.3.1 and 12.3.2 shall provide, amongst other things, precise details of the Change in Law and its estimated impact on the TSP.

12.4 Payment on account of Change in Law

12.4.1 The payment for Change in Law shall be through a separate Bill. However, in case of any change in Monthly Transmission Charges by reason of Change in Law, as determined in accordance with this Agreement, the Bills to be raised by the Nodal Agency after such change in Transmission Charges shall appropriately reflect the changed Monthly Transmission Charges.

ARTICLE: 13

13 EVENTS OF DEFAULT AND TERMINATION

13.1 TSP's Event of Default

The occurrence and continuation of any of the following events shall constitute a TSP Event of Default, unless any such TSP Event of Default occurs as a result of any non-fulfilment of its obligations as prescribed under this Agreement by the Nodal Agency or a Force Majeure Event:

a. After having taken up the construction of the Project, the abandonment by the TSP or the TSP's Contractors of the construction of the Project for a continuous period of two (2) months and such default is not rectified within thirty (30) days from the receipt of notice from the Nodal Agency in this regard;

b. The failure to commission any Element of the Project by the date falling six (6) months after its Scheduled COD unless extended by Nodal Agency as per provisions of this Agreement;

c. If the TSP:

i. assigns, mortgages or charges or purports to assign, mortgage or charge any of its assets or rights related to the Project in contravention of the provisions of this Agreement; or

ii. transfers or novates any of its obligations pursuant to this Agreement, in a manner contrary to the provisions of this Agreement;

Except where such transfer is in pursuance of a Law and

- it does not affect the ability of the transferee to perform, and such transferee has the financial and technical capability to perform, its obligations under this Agreement;
- is to a transferee who assumes such obligations under the Project and this Agreement remains effective with respect to the transferee;

d. If:

i. The TSP becomes voluntarily or involuntarily the subject of any bankruptcy or insolvency or winding up

proceedings and such proceedings remain uncontested for a period of thirty (30) days; or

ii. any winding up or bankruptcy or insolvency order is passed against the TSP; or

iii. the TSP goes into liquidation or dissolution or a receiver or any similar officer is appointed over all or substantially all of its assets or official liquidator is appointed to manage its affairs, pursuant to Law,

Provided that a dissolution or liquidation of the TSP will not be a TSP's Event of Default, where such dissolution or liquidation of the TSP is for the purpose of a merger, consolidation or reorganization with the prior approval of the Commission as per the provisions of Central Electricity Regulatory Commission (Procedure, terms and Conditions for grant of Transmission License and other related matters) Regulations, 2006 or as amended from time to time; or

e. Failure on the part of the TSP to comply with the provisions of Article 19.1 of this Agreement; or

f. the TSP repudiates this Agreement and does not rectify such breach even within a period of thirty (30) days from a notice from the Nodal Agency in this regard; or

g. after Commercial Operation Date of the Project, the TSP fails to achieve monthly Target Availability of 98%, for a period of six (6) consecutive months or within a non-consecutive period of six (6) months within any continuous aggregate period of eighteen(18) months except where the Availability is affected by Force Majeure Events as per Article 11; or

h. any of the representations and warranties made by the TSP in Article 17 of this Agreement being found to be untrue or inaccurate. Further, in addition to the above, any of the undertakings submitted by the Selected Bidder at the time of submission of the Bid being found to be breached or inaccurate, including but not limited to undertakings from its Parent Company / Affiliates related to the minimum equity obligation; or

i. the TSP fails to complete / fulfil all the activities / conditions within the specified period as per Article 3; or

j. except for the reasons solely attributable to Nodal Agency, the TSP is in material breach of any of its obligations under this Agreement and such material breach is not rectified by the TSP within thirty (30) days of receipt of notice in this regard from the Nodal Agency; or

k. the TSP fails to take the possession of the land required for location specific substations, switching stations or HVDC terminal or inverter stations and / or fails to pay the requisite price to the parties and / or any State Government authority from whom the land is acquired, within twelve (12) months from the Effective Date.

13.2 Termination Procedure for TSP Event of Default

a. Upon the occurrence and continuance of any TSP's Event of Default under Article 13.1 the Nodal Agency may serve notice on the TSP, with a copy to the CEA and the Lenders' Representative, of their intention to terminate this Agreement (a "Nodal Agency's Preliminary Termination Notice"), which shall specify in reasonable detail, the circumstances giving rise to such Nodal Agency's Preliminary Termination Notice.

b. Following the issue of a Nodal Agency's Preliminary Termination Notice, the Consultation Period shall apply and would be for the Parties to discuss as to what steps shall be taken with a view to mitigate the consequences of the relevant Event of Default having regard to all the circumstances.

c. During the Consultation Period, the Parties shall, save as otherwise provided in this Agreement, continue to perform their respective obligations/ roles under this Agreement, and the TSP shall not remove any material, equipment or any part of the Project, without prior consent of the Nodal Agency.

Following the expiry of the Consultation Period, unless the Parties shall have otherwise agreed to the contrary or the circumstances giving rise to Nodal Agency's Preliminary Termination Notice shall have ceased to exist or shall have been remedied, this Agreement may be terminated by the Nodal Agency by giving a Termination Notice to the TSP, in writing, of at least seven (7) days, with a copy to CEA and the Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement.

Further, the Nodal Agency may also initiate proceedings to blacklist the TSP & its Affiliates from participation in any RFP issued by BPCs for a period of 5 years.

13.3 Procedure for Nodal Agency's non-fulfilment of Role

a. Upon the Nodal Agency not being able to fulfil its role under Article 4.2, the TSP may serve notice on the Nodal Agency, with a copy to CEA and the Lenders' Representative (a "TSP's Preliminary Notice"), which notice shall specify in reasonable detail the circumstances giving rise to such non-fulfilment of role by the Nodal Agency.

b. Following the issue of a TSP's Preliminary Notice, the Consultation Period shall apply.

c. The Consultation Period would be for the Parties to discuss as to what steps shall be taken with a view to mitigate the consequences of the relevant non-fulfilment of role by the Nodal Agency including giving time extension to TSP, having regard to all the circumstances.

d. During the Consultation Period, both Parties shall, save as otherwise provided in this Agreement, continue to perform their respective obligations/ roles under this Agreement.

13.4 Termination due to Force Majeure

13.4.1 In case the Parties could not reach an agreement pursuant to Articles 3.3.4 and 4.4.2 of this Agreement and the Force Majeure Event or its effects continue to be present, the Nodal Agency shall have the right to cause termination of the Agreement. In case of such termination, the Contract Performance Guarantee shall be returned to the TSP as per the provisions of Article 6.5.1.

13.4.2 In case of termination of this Agreement, the TSP shall provide to the Nodal Agency the full names and addresses of its Contractors as well as complete designs, design drawings, manufacturing drawings, material specifications and technical information, as required by the Nodal Agency within thirty (30) days of Termination Notice.

13.5 Termination or amendment due to non-requirement of any Element or Project during construction

13.5.1 In case any Element or Project, which is under construction, is no longer required due to any reason whatsoever, the Nodal Agency may issue a notice to this effect to the TSP.

13.5.2 Nodal agency may also issue notice to the TSP seeking their response to the proposed termination/ amendment (as the case may be) of the Agreement. The Nodal Agency shall issue copy of such notice to Lenders. In the notice, Nodal Agency shall also include an assessment of the physical progress made by TSP in the Element/ Project (as the case may be) that is no longer required.

13.5.3 The TSP shall neither carry out further investment nor carry out any work on the Element/ Project (as the case may be) that is no longer required after delivery of the notice.

13.5.4 After taking into account the comments of the TSP, the Nodal Agency may terminate the Agreement or amend it if both Parties agree to the amendment.

13.6 Revocation of the Transmission License

13.6.1 The Commission may, as per the provisions of the Electricity Act, 2003, revoke the Transmission License of the ISTS Licensee. Further, in such a case, the Agreement shall be deemed to have been terminated.

13.7 Termination Payment

13.7.1 If Agreement is terminated on account of Force Majeure Events, non-requirement of any Element or Project during Construction, Nodal Agency's non-fulfilment of Role & TSP's Event of Default, the TSP shall be entitled for Termination Payment equivalent to valuation of Project Assets. Upon payment, the Nodal Agency shall take over the Project Assets.

ARTICLE: 14

14 LIABILITY AND INDEMNIFICATION

14.1 Indemnity

14.1.1 The TSP shall indemnify, defend and hold the Nodal Agency harmless against:

(a) any and all third party claims, actions, suits or proceedings against the Nodal Agency for any loss of or damage to property of such third party, or death or injury to such third party, arising out of a breach by the TSP of any of its obligations under this Agreement, except to the extent that any such claim, action, suit or proceeding has arisen due to a negligent act or omission, breach of this Agreement or non-fulfilment of statutory duty on the part of Nodal Agency; and

(b) any and all losses, damages, costs and expenses including legal costs, fines, penalties and interest actually suffered or incurred by the Nodal Agency from third party claims arising by reason of:

i. a breach by the TSP of any of its obligations under this Agreement, (provided that this Article 14 shall not apply to such breaches by the TSP, for which specific remedies have been provided for under this Agreement) except to the extent that any such losses, damages, costs and expenses including legal costs, fines, penalties and interest (together to constitute "Indemnifiable Losses") has arisen due to a negligent act or omission, breach of this Agreement or non-fulfilment of statutory duty on the part of the Nodal Agency, or

ii. any of the representations and warranties of the TSP under this Agreement being found to be inaccurate or untrue.

14.1.2 The Nodal Agency shall, in accordance with the Regulations framed by CERC in this regard, indemnify, defend and hold the TSP harmless against:

(a) any and all third party claims, actions, suits or proceedings against the TSP, for any loss of or damage to property of such third party, or death or injury to such third party, arising out of any material breach by the Nodal Agency of any of their roles under this Agreement, except to the extent that any such claim, action, suit or proceeding has arisen due to a negligent act or omission, breach of

this Agreement or breach of statutory duty on the part of the TSP, its Contractors, servants or agents; and

(b) any and all losses, damages, costs and expenses including legal costs, fines, penalties and interest ('Indemnifiable Losses') actually suffered or incurred by the TSP from third party claims arising by reason of:

i. any material breach by the Nodal Agency of any of its roles under this Agreement (provided that, this Article 14 shall not apply to such breaches by the Nodal Agency, for which specific remedies have been provided for under this Agreement), except to the extent that any such Indemnifiable Losses have arisen due to a negligent act or omission, breach of this Agreement or breach of statutory duty on the part of the TSP, its Contractors, servants or agents or

ii. any of the representations and warranties of the Nodal Agency under this Agreement being found to be inaccurate or untrue.

14.2 Patent Indemnity:

14.2.1

(a) The TSP shall, subject to the Nodal Agency's compliance with Article 14.2.1 (b), indemnify and hold harmless the Nodal Agency and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of whatsoever nature, including attorney's fees and expenses, which the Nodal Agency may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright or other intellectual property right registered or otherwise existing at the date of the Agreement by reason of the setting up of the Project by the TSP.

Such indemnity shall not cover any use of the Project or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Agreement, any infringement resulting from the misuse of the Project or any part thereof, or any products produced in association or combination with any other equipment, plant or materials not supplied by the TSP, pursuant to the Agreement.

(b) If any proceedings are brought or any claim is made against the Nodal Agency arising out of the matters referred to in Article

14.2.1(a), the Nodal Agency shall promptly give the TSP a notice thereof, and the TSP shall at its own expense take necessary steps and attend such proceedings or claim and any negotiations for the settlement of any such proceedings or claim. The TSP shall promptly notify the Nodal Agency of all actions taken in such proceedings or claims.

(c) If the TSP fails to notify the Nodal Agency within twenty-eight (28) days after receipt of such notice from the Nodal Agency under Article 14.2.1(b) above, that it intends to attend any such proceedings or claim, then the Nodal Agency shall be free to attend the same on their own behalf at the cost of the TSP. Unless the TSP has so failed to notify the Nodal Agency within the twenty eight (28) days period, the Nodal Agency shall make no admission that may be prejudicial to the defence of any such proceedings or claims.

(d) The Nodal Agency shall, at the TSP's request, afford all available assistance to the TSP in attending to such proceedings or claim, and shall be reimbursed by the TSP for all reasonable expenses incurred in so doing.

14.2.2

(a) The Nodal Agency, in accordance with the Regulations framed by CERC in this regard, subject to the TSP's compliance with Article 14.2.2(b) shall indemnify and hold harmless the TSP and its employees, officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs and expenses of whatsoever nature, including attorney's fees and expenses, which the TSP may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright or other intellectual property right registered or otherwise existing at the date of the Agreement by reason of the setting up of the Project by the TSP.

(b) If any proceedings are brought or any claim is made against the TSP arising out of the matters referred to in Article 14.2.2 (a) the TSP shall promptly give the Nodal Agency a notice thereof, and the Nodal Agency shall at its own expense take necessary steps and attend such proceedings or claim and any negotiations for the settlement of any such proceedings or claim. The Nodal Agency shall promptly notify the TSP of all actions taken in such proceedings or claims.

(c) If the Nodal Agency fails to notify the TSP within twenty-eight (28) days after receipt of such notice from the TSP under Article 14.2.2(b) above, that it intends to attend any such proceedings or claim, then the TSP shall be free to attend the same on its own behalf at the cost of the Nodal Agency. Unless the Nodal Agency has so failed to notify the TSP within the twenty (28) days period, the TSP shall make no admission that may be prejudicial to the defence of any such proceedings or claim.

(d) The TSP shall, at the Nodal Agency request, afford all available assistance to the Nodal Agency in attending to such proceedings or claim, and shall be reimbursed by the Nodal Agency for all reasonable expenses incurred in so doing.

14.3 Monetary Limitation of liability

14.3.1 A Party ("Indemnifying Party") shall be liable to indemnify the other Party ("Indemnified Party") under this Article 14 for any indemnity claims made in a Contract Year only up to an amount of Rupees Five Crore Sixty Three Lakh Only) Only (Rs. 5.63 Crore).

14.4 Procedure for claiming indemnity

14.4.1 Where the Indemnified Party is entitled to indemnification from the Indemnifying Party pursuant to Articles 14.1 or 14.2 the Indemnified Party shall promptly notify the Indemnifying Party of such claim, proceeding, action or suit referred to in Articles 14.1 or 14.2 in respect of which it is entitled to be indemnified. Such notice shall be given as soon as reasonably practicable after the Indemnified Party becomes aware of such claim, proceeding, action or suit. The Indemnifying Party shall be liable to settle the indemnification claim within thirty (30) days of receipt of the above notice.

Provided however that, if:

i. the Parties choose to contest, defend or litigate such claim, action, suit or proceedings in accordance with Article 14.4.3 below; and

ii. the claim amount is not required to be paid/deposited to such third party pending the resolution of the Dispute,

the Indemnifying Party shall become liable to pay the claim amount to the Indemnified Party or to the third party, as the case may be, promptly following the resolution of the Dispute, if such Dispute is not settled in favour of the Indemnified Party.

14.4.2 The Indemnified Party may contest, defend and litigate a claim, action, suit or proceeding for which it is entitled to be indemnified under Articles 14.1 or 14.2 and the Indemnifying Party shall reimburse to the Indemnified Party all reasonable costs and expenses incurred by the Indemnified Party. However, such Indemnified Party shall not settle or compromise such claim, action, suit or proceedings without first getting the consent of the Indemnifying Party, which consent shall not be unreasonably withheld or delayed.

14.4.3 An Indemnifying Party may, at its own expense, assume control of the defence of any proceedings brought against the Indemnified Party if it acknowledges its obligation to indemnify such Indemnified Party, gives such Indemnified Party prompt notice of its intention to assume control of the defence, and employs an independent legal counsel at its own cost that is reasonably satisfactory to the Indemnified Party.

14.5 Limitation on Liability

14.5.1 Except as expressly provided in this Agreement, neither the TSP nor the Nodal Agency nor their respective officers, directors, agents, employees or Affiliates (including, officers, directors, agents or employees of such Affiliates), shall be liable or responsible to the other Party or its Affiliates including its officers, directors, agents, employees, successors, insurers or permitted assigns for incidental, indirect or consequential, punitive or exemplary damages, connected with or resulting from performance or non-performance of this Agreement, or anything done in connection herewith, including claims in the nature of lost revenues, income or profits (other than payments expressly required and properly due under this Agreement), any increased expense of, reduction in or loss of transmission capacity or equipment used therefore, irrespective of whether such claims are based upon breach of warranty, tort (including negligence, whether of the Nodal Agency, the TSP or others), strict liability, contract, breach of statutory duty, operation of law or otherwise.

14.5.2 The Nodal Agency shall have no recourse against any officer, director or shareholder of the TSP or any Affiliate of the TSP or any of its officers, directors or shareholders for such claims excluded under this Article. The TSP shall also have no recourse against any officer, director or shareholder of the Nodal Agency, or any Affiliate of the Nodal Agency or any of its officers, directors or shareholders for such claims excluded under this Article.

14.6 Duty to Mitigate

The party entitled to the benefit of an indemnity under this Article 14 shall

take all reasonable measures to mitigate any loss or damage which has occurred. If the Party fails to take such measures, the other Party's liabilities shall be correspondingly reduced.

ARTICLE: 15

15 ASSIGNMENTS AND CHARGES

15.1 Assignments:

15.1.1 This Agreement shall be binding upon, and inure to the benefit of the Parties and their respective successors and permitted assigns. This Agreement shall not be assigned by any Party, except as provided in Article 15.3.

15.2 Permitted Charges:

15.2.1 Neither Party shall create or permit to subsist any encumbrance over all or any of its rights and benefits under this Agreement.

15.2.2 However, the TSP may create any encumbrance over all or part of the receivables, or the Project Assets of the Project in favour of the Lenders or the Lenders' Representative on their behalf, as security for amounts payable under the Financing Agreements and any other amounts agreed by the Parties.

Provided that:

i. the Lenders or the Lenders' Representative on their behalf shall have entered into the Financing Agreements and agreed in writing to the provisions of this Agreement; and

ii. any encumbrance granted by the TSP in accordance with this Article 15.2.2 shall contain provisions pursuant to which the Lenders or the Lender's Representative on their behalf agrees unconditionally with the TSP to release from such encumbrances upon payment by the TSP to the Lenders of all amounts due under the Financing Agreements.

15.2.3 Article 15.2.1 does not apply to:

a. liens arising by operation of law (or by an agreement evidencing the same) in the ordinary course of the TSP developing and operating the Project;

b. pledges of goods, the related documents of title and / or other related documents, arising or created in the ordinary course of the TSP developing and operating the Project; or

c. security arising out of retention of title provisions in relation to goods acquired in the ordinary course of the TSP developing and operating the Project.

15.3 Substitution Rights of the Lenders

15.3.1 The TSP would need to operate and maintain the Project under the provisions of this Agreement and cannot assign the Transmission License or transfer the Project or part thereof to any person by sale, lease, exchange or otherwise, without the prior approval of the Nodal Agency.

15.3.2 However, in the case of default by the TSP in debt repayments or in the case of default by the TSP as per Article 13 of this Agreement during the debt repayments, the Commission may, on an application from the Lenders, assign the Transmission License to the nominee of the Lenders subject to the fulfilment of the qualification requirements and provisions of the Central Electricity Regulatory Commission (Procedure, terms and Conditions for grant of Transmission License and other related matters) Regulations, 2006 and as amended from time to time.

ARTICLE: 16

16 GOVERNING LAW AND DISPUTE RESOLUTION

16.1 Governing Law:

This Agreement shall be governed by and construed in accordance with the Laws of India. Any legal proceedings in respect of any matters, claims or disputes under this Agreement shall be under the jurisdiction of appropriate courts in Delhi.

16.2 Amicable Settlement:

16.2.1 Either Party is entitled to raise any claim, dispute or difference of whatever nature arising under, out of or in connection with this Agreement, including its existence or validity or termination or whether during the execution of the Project or after its completion and whether prior to or after the abandonment of the Project or termination or breach of the Agreement by giving a written notice to the other Party, which shall contain:

(i) a description of the Dispute;

(ii) the grounds for such Dispute; and

(iii) all written material in support of its claim.

16.2.2 The other Party shall, within thirty (30) days of issue of notice issued under Article 16.2.1, furnish:

(i) counter-claim and defences, if any, regarding the Dispute; and

(ii) all written material in support of its defences and counter-claim.

16.2.3 Within thirty (30) days of issue of notice by the Party pursuant to Article 16.2.1, if the other Party does not furnish any counter claim or defense under Article 16.2.2, or thirty (30) days from the date of furnishing counter claims or defence by the other Party, both the Parties to the Dispute shall meet to settle such Dispute amicably. If the Parties fail to resolve the Dispute amicably within thirty (30) days from the later of the dates mentioned in this Article 16.2.3, the Dispute shall be referred for dispute resolution in accordance with Article 16.3.

16.3 Dispute Resolution:

All Disputes shall be adjudicated by the Commission.

16.4 Parties to Perform Obligations:

Notwithstanding the existence of any Dispute and difference referred to the Commission as provided in Article 16.3 and save as the Commission may otherwise direct by a final or interim order, the Parties hereto shall continue to perform their respective obligations/ roles (which are not in dispute) under this Agreement.

ARTICLE: 17

17 REPRESENTATION AND WARRANTIES

17.1 Representation and warranties of the Nodal Agency

17.1.1 The Nodal Agency hereby represents and warrants to and agrees with the TSP as follows and acknowledges and confirms that the TSP is relying on such representations and warranties in connection with the transactions described in this Agreement:

a. It has all requisite powers and authority to execute and consummate this Agreement;

b. This Agreement is enforceable against the Nodal Agency in accordance with its terms;

c. The consummation of the transactions contemplated by this Agreement on the part of Nodal Agency will not violate any provision of nor constitute a default under, nor give rise to a power to cancel any charter, mortgage, deed of trust or lien, lease, agreement, license, permit, evidence of indebtedness, restriction, or other contract to which the Nodal Agency is a Party or to which the Nodal Agency is bound, which violation, default or power has not been waived;

17.2 Representation and Warranties of the TSP:

17.2.1 The TSP hereby represents and warrants to and agrees with the Nodal Agency as follows and acknowledges and confirms that the Nodal Agency is relying on such representations and warranties in connection with the transactions described in this Agreement:

a. It has all requisite powers and has been duly authorized to execute and consummate this Agreement;

b. This Agreement is enforceable against it, in accordance with its terms;

c. The consummation of the transactions contemplated by this Agreement on the part of the TSP will not violate any provision of nor constitute a default under, nor give rise to a power to cancel any charter, mortgage, deed of trust or lien, lease, agreement, license, permit, evidence of indebtedness, restriction, or other contract to which the TSP is a Party or to which the TSP is bound which violation, default or power has not been waived;

d. The TSP is not insolvent and no insolvency proceedings have been instituted, nor threatened or pending by or against the TSP;

e. There are no actions, suits, claims, proceedings or investigations pending or, to the best of the TSP's knowledge, threatened in writing against the TSP at law, in equity, or otherwise, and whether civil or criminal in nature, before or by, any court, commission, arbitrator or governmental agency or authority, and there are no outstanding judgments, decrees or orders of any such courts, commission, arbitrator or governmental agencies or authorities, which materially adversely affect its ability to execute the Project or to comply with its obligations under this Agreement.

17.2.2 The TSP makes all the representations and warranties above to be valid as on the Effective Date of this Agreement.

ARTICLE: 18

18 INDEPENDENT ENGINEER

18.1 Appointment of Independent Engineer

The Nodal Agency shall appoint an agency/ company as Independent Engineer as per framework provided in the Guidelines for Encouraging Competition in Development of Transmission Projects for selection of Independent Engineer.

18.2 Roles and functions of Independent Engineer

The role and functions of the Independent Engineer shall include the following:

a. Progress Monitoring as required under this Agreement;

b. Ensuring Quality as required under this Agreement;

c. determining, as required under the Agreement, the costs of any works or services and/or their reasonableness during construction phase;

d. determining, as required under the Agreement, the period or any extension thereof, for performing any duty or obligation during construction phase;

e. determining, as required under the Agreement, the valuation of the Project Assets.

f. Assisting the Parties in resolution of Disputes and

g. Undertaking all other duties and functions in accordance with the Agreement.

18.3 Remuneration of Independent Engineer

The fee and charges of the Independent Engineer shall be paid by the Nodal Agency as per terms & conditions of appointment.

18.4 Termination of appointment

18.4.1 The Nodal Agency may, in its discretion, terminate the appointment of the Independent Engineer at any time, but only after appointment of another Independent Engineer.

18.4.2 If the TSP has reason to believe that the Independent Engineer is not discharging its duties and functions in a fair, efficient and diligent manner, it may make a written representation to the Nodal Agency and seek termination of the appointment of the Independent Engineer. Upon receipt of such representation, the Nodal Agency shall hold a tripartite meeting with the TSP and Independent Engineer for an amicable resolution, and the decision of Nodal agency is final. In the event that the appointment of the Independent Engineer is terminated hereunder, the Nodal Agency shall appoint forthwith another Independent Engineer.

18.5 Authorised signatories

The Nodal Agency shall require the Independent Engineer to designate and notify to the Nodal Agency up to 2 (two) persons employed in its firm to sign for and on behalf of the Independent Engineer, and any communication or document required to be signed by the Independent Engineer shall be valid and effective only if signed by any of the designated persons; provided that the Independent Engineer may, by notice in writing, substitute any of the designated persons by any of its employees.

ARTICLE: 19

19 MISCELLANEOUS PROVISIONS

19.1 Equity Lock-in Commitment:

19.1.1 The aggregate equity share holding of the Selected Bidder in the issued and paid-up equity share capital of **Rajgarh Neemuch Power Transmission Limited** shall not be less than Fifty one percent (51%) up to a period of one (1) year after COD of the Project.

Provided that, in case the Lead Member or Bidding Company is holding equity through Affiliate/s, Ultimate Parent Company or Parent Company, such restriction as specified above shall apply to such entities.

Provided further, that in case the Selected Bidder is a Bidding Consortium, the Lead Member shall continue to hold equity of at least twenty six percent (26%) upto a period of one (1) year after COD of the Project and any Member of such Bidding Consortium shall be allowed to divest its equity as long as the other remaining Members (which shall always include the Lead Member) hold the minimum equity specified above.

19.1.2 If equity is held by the Affiliates, Parent Company or Ultimate Parent Company of the Selected Bidder, then, subject to the second proviso to Article 19.1.1, such Affiliate, Parent Company or Ultimate Parent Company shall be eligible to transfer its shareholding in **Rajgarh Neemuch Power Transmission Limited** to another Affiliate or to the Parent Company / Ultimate Parent Company of the Selected Bidder. If any such shareholding entity, qualifying as an Affiliate / Parent Company / Ultimate Parent Company, is likely to cease to meet the criteria to qualify as an Affiliate / Parent Company / Ultimate Parent Company, the shares held by such entity shall be transferred to another Affiliate / Parent Company / Ultimate Parent Company of the Selected Bidder.

19.1.3 Subject to Article 19.1.1, all transfer(s) of shareholding of **Rajgarh Neemuch Power Transmission Limited** by any of the entities referred to in Article 19.1.1 and 19.1.2 above, shall be after prior written intimation to the Nodal Agency.

19.1.4 For computation of effective Equity holding, the Equity holding of the Selected Bidder or its Ultimate Parent Company in such Affiliate(s) or Parent Company and the equity holding of such Affiliate(s) or Ultimate Parent Company in **Rajgarh Neemuch Power Transmission**

Limited shall be computed in accordance with the example given below:

If the Parent Company or the Ultimate Parent Company of the Selected Bidder A directly holds thirty percent (30%) of the equity in **Rajgarh Neemuch Power Transmission Limited** then holding of Selected Bidder A in **Rajgarh Neemuch Power Transmission Limited** shall be thirty percent (30%);

If Selected Bidder A holds thirty percent (30%) equity of the Affiliate and the Affiliate holds fifty percent (50%) equity in **Rajgarh Neemuch Power Transmission Limited** then, for the purposes of ascertaining the minimum equity/equity lock-in requirements specified above, the effective holding of Bidder A in **Rajgarh Neemuch Power Transmission Limited** shall be fifteen percent (15%), (i.e., 30% x 50%)

19.1.5 The provisions as contained in this Article 19.1 shall override the terms of the consortium agreement submitted as part of the Bid.

19.1.6 The TSP shall be responsible to report to Nodal Agency, within thirty (30) days from the occurrence of any event that would result in any change in its equity holding structure from that which existed as on the date of signing of the Share Purchase Agreement. In such cases, the Nodal Agency would reserve the right to ascertain the equity holding structure and to call for all such required documents / information / clarifications as may be required.

19.2 Commitment of maintaining Qualification Requirement

19.2.1 The Selected Bidder will be required to continue to maintain compliance with the Qualification Requirements, as stipulated in RFP Document, till the COD of the Project. Where the Technically Evaluated Entity and/or the Financially Evaluated Entity is not the Bidding Company or a Member in a Bidding Consortium, as the case may be, the Bidding Company or Member shall continue to be an Affiliate of the Technically Evaluated Entity and/or Financially Evaluated Entity till the COD of the Project.

19.2.2 Failure to comply with the aforesaid provisions shall be dealt in the same manner as TSP's Event of Default as under Article 13 of this Agreement.

19.3 Language:

19.3.1 All agreements, correspondence and communications between the Parties relating to this Agreement and all other documentation to be prepared and supplied under the Agreement shall be written in English, and the Agreement shall be construed and interpreted in accordance with

English language.

19.3.2 If any of the agreements, correspondence, communications or documents are prepared in any language other than English, the English translation of such agreements, correspondence, communications or documents shall prevail in matters of interpretation.

19.4 Affirmation

The TSP and the Nodal Agency, each affirm that:

1. neither it nor its respective directors, employees, or agents has paid or undertaken to pay or shall in the future pay any unlawful commission, bribe, pay-off or kick-back; and
2. it has not in any other manner paid any sums, whether in Indian currency or foreign currency and whether in India or abroad to the other Party to procure this Agreement, and the TSP and the Nodal Agency hereby undertake not to engage in any similar acts during the Term of Agreement.

19.5 Severability

The invalidity or enforceability, for any reason, of any part of this Agreement shall not prejudice or affect the validity or enforceability of the remainder of this Agreement, unless the part held invalid or unenforceable is fundamental to this Agreement.

19.6 Counterparts

This Agreement may be executed in one or more counterparts, each of which shall be deemed an original and all of which collectively shall be deemed one and the same Agreement.

19.7 Breach of Obligations/ Roles

The Parties acknowledge that a breach of any of the obligations/ roles contained herein would result in injuries. The Parties further acknowledge that the amount of the liquidated damages or the method of calculating the liquidated damages specified in this Agreement is a genuine and reasonable pre-estimate of the damages that may be suffered by the non-defaulting Party in each case specified under this Agreement.

19.8 Restriction of Shareholders / Owners Liability

19.8.1 Parties expressly agree and acknowledge that none of the shareholders of the Parties hereto shall be liable to the other Parties for any of the

contractual obligations of the concerned Party under this Agreement.

19.8.2 Further, the financial liabilities of the shareholder(s) of each Party to this Agreement shall be restricted to the extent provided in the Indian Companies Act, 1956 / Companies Act, 2013 (as the case may be).

19.9 Taxes and Duties:

19.9.1 The TSP shall bear and promptly pay all statutory taxes, duties, levies and cess, assessed/levied on the TSP, its Contractors or their employees that are required to be paid by the TSP as per the Law in relation to the execution of the Project and for providing Transmission Service as per the terms of this Agreement.

19.9.2 The Nodal Agency shall be indemnified and held harmless by the TSP against any claims that may be made against the Nodal Agency in relation to the matters set out in Article 19.9.1.

19.9.3 The Nodal Agency shall not be liable for any payment of, taxes, duties, levies, cess whatsoever for discharging any obligation of the TSP by the Nodal Agency on behalf of TSP or its personnel, provided the TSP has consented in writing to the Nodal Agency for such work, for which consent shall not be unreasonably withheld.

19.10 No Consequential or Indirect Losses

The liability of the TSP shall be limited to that explicitly provided in this Agreement.

Provided that, notwithstanding anything contained in this Agreement, under no event shall the Nodal Agency or the TSP claim from one another any indirect or consequential losses or damages.

19.11 Discretion:

Except where this Agreement expressly requires a Party to act fairly or reasonably, a Party may exercise any discretion given to it under this Agreement in any way it deems fit.

19.12 Confidentiality

19.12.1 The Parties undertake to hold in confidence this Agreement and RFP Project Documents and not to disclose the terms and conditions of the transaction contemplated hereby to third parties, except:

(a) to their professional advisors;

(b) to their officers, contractors, employees, agents or representatives, financiers, who need to have access to such information for the proper performance of their activities; or

(c) disclosures required under Law,

without the prior written consent of the other Parties.

Provided that, the TSP agrees and acknowledges that the Nodal Agency, may, at any time, disclose the terms and conditions of the Agreement and the RFP Project Documents to any person, to the extent stipulated under the Law and the Competitive Bidding Guidelines.

19.13 Order of priority in application:

Save as provided in Article 2.5, in case of inconsistencies between the terms and conditions stipulated in Transmission License issued by the Commission to the TSP, agreement(s) executed between the Parties, applicable Law including rules and regulations framed thereunder, the order of priority as between them shall be the order in which they are placed below:

- terms and conditions of Transmission License;
- applicable Law, rules and regulations framed thereunder;
- this Agreement;
- Agreement(s), if any, under Sharing Regulations.

19.14 Independent Entity:

19.14.1 The TSP shall be an independent entity performing its obligations pursuant to the Agreement.

19.14.2 Subject to the provisions of the Agreement, the TSP shall be solely responsible for the manner in which its obligations under this Agreement are to be performed. All employees and representatives of the TSP or Contractors engaged by the TSP in connection with the performance of the Agreement shall be under the complete control of the TSP and shall not be deemed to be employees, representatives, Contractors of the Nodal Agency and nothing contained in the Agreement or in any agreement or contract awarded by the TSP shall be construed to create any contractual relationship between any such employees, representatives or Contractors and the Nodal Agency.

19.15 Amendments:

19.15.1 This Agreement may only be amended or supplemented by a written agreement between the Parties.

19.16 Waiver:

19.16.1 No waiver by either Party of any default or breach by the other Party in the performance of any of the provisions of this Agreement shall be effective unless in writing duly executed by an authorised representative of such Party.

19.16.2 Neither the failure by either Party to insist on any occasion upon the performance of the terms, conditions and provisions of this Agreement nor time or other indulgence granted by one Party to the other Parties shall act as a waiver of such breach or acceptance of any variation or the relinquishment of any such right or any other right under this Agreement, which shall remain in full force and effect.

19.17 Relationship of the Parties:

This Agreement shall not be interpreted or construed to create an association, joint venture, or partnership or agency or any such other relationship between the Parties or to impose any partnership obligation or liability upon either Party and neither Party shall have any right, power or authority to enter into any agreement or undertaking for, or act on behalf of, or to act as or be an agent or representative of, or to otherwise bind, the other Party.

19.18 Entirety:

19.18.1 This Agreement along with its sections, schedules and appendices is intended by the Parties as the final expression of their agreement and is intended also as a complete and exclusive statement of the terms of their agreement.

19.18.2 Except as provided in this Agreement, all prior written or oral understandings, offers or other communications of every kind pertaining to this Agreement or the provision of Transmission Service under this Agreement to the Nodal Agency by the TSP shall stand superseded and abrogated.

19.19 Notices:

19.19.1 All notices or other communications which are required to be given under this Agreement shall be in writing and in the English language

19.19.2 If to the TSP, all notices or communications must be delivered personally

or by registered post or facsimile or any other mode duly acknowledged to the addressee below:

Address	: Plot No-7B, Sector-18, Gurugram, Haryana
Attention	: Mr. Saurabh Kaushik
Email	: transmission@grinfra.com/nptl@grinfra.com
Fax. No.	:
Telephone No.	: 9810989675

19.19.3 If to the Nodal Agency, all notices or communications must be delivered personally or by registered post or facsimile or any other mode duly acknowledged to the addresses below:

(i) **Central Transmission Utility of India Limited (Nodal Agency)**

Address	: 5th to 10th Floor, IRCON International Tower, Tower no-1, Plot no-16, Sector-32, Gurugram, Haryana: 122003
Attention	: Ramachandra, Sr GM
Email	: ramachand@powergrid.in
Fax. No.	:
Telephone No.	: 9910378128

19.19.4 All notices or communications given by facsimile shall be confirmed by sending a copy of the same via post office in an envelope properly addressed to the appropriate Party for delivery by registered mail. All notices shall be deemed validly delivered upon receipt evidenced by an acknowledgement of the recipient, unless the Party delivering the notice can prove in case of delivery through the registered post that the recipient refused to acknowledge the receipt of the notice despite efforts of the postal authorities.

19.19.5 Any Party may by notice of at least fifteen (15) days to the other Party change the address and/or addresses to which such notices and communications to it are to be delivered or mailed.

19.20 Fraudulent and Corrupt Practices

19.20.1 The TSP and its respective officers, employees, agents and advisers shall observe the highest standard of ethics during the subsistence of this Agreement. Notwithstanding anything to the contrary contained in the Agreement, the Nodal Agency may terminate the Agreement without being liable in any manner whatsoever to the TSP, if it determines that the TSP has, directly or indirectly or through an agent, engaged in corrupt

practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice in the Bid process. In such an event, the Nodal Agency shall forfeit the Contract Performance Guarantee of the TSP, without prejudice to any other right or remedy that may be available to the Nodal Agency hereunder or subsistence otherwise.

19.20.2 Without prejudice to the rights of the Nodal Agency under Clause 19.20.1 hereinabove and the rights and remedies which the Nodal Agency may have under this Agreement, if a TSP is found by the Nodal Agency to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice during the Bid process, or after the issue of Letter of Intent (hereinafter referred to as LoI) or after the execution of the agreement(s) required under Sharing Regulations, the Nodal Agency may terminate the Agreement without being liable in any manner whatsoever to the TSP. Further, the TSP & its Affiliates shall not be eligible to participate in any tender or RFP issued by any BPC for an indefinite period from the date such TSP is found by the Nodal Agency to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practices, as the case may be.

19.20.3 For the purposes of this Clause 19.20, the following terms shall have the meaning hereinafter respectively assigned to them:

(a) **"corrupt practice"** means (i) the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the actions of any person connected with the Bid process (for avoidance of doubt, offering of employment to or employing or engaging in any manner whatsoever, directly or indirectly, any official of the BPC who is or has been associated or dealt in any manner, directly or indirectly with the Bid process or the LoI or has dealt with matters concerning the RFP Project Documents or arising there from, before or after the execution thereof, at any time prior to the expiry of one year from the date such official resigns or retires from or otherwise ceases to be in the service of the BPC, shall be deemed to constitute influencing the actions of a person connected with the Bid Process); or (ii) engaging in any manner whatsoever, whether during the Bid Process or after the issue of the LoI or after the execution of the RFP Project Documents, as the case may be, any person in respect of any matter relating to the Project or the LoI or the RFP Project Documents, who at any time has been or is a legal, financial or technical adviser of the BPC in relation to any matter concerning the Project;

(b) "**fraudulent practice**" means a misrepresentation or omission of facts or suppression of facts or disclosure of incomplete facts, in order to influence the Bid process;

(c) "**coercive practice**" means impairing or harming, or threatening to impair or harm, directly or indirectly, any person or property to influence any person's participation or action in the Bid process;

(d) "**undesirable practice**" means (i) establishing contact with any person connected with or employed or engaged by the BPC with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the Bid process; or (ii) having a Conflict of Interest; and

(e) "**restrictive practice**" means forming a cartel or arriving at any understanding or arrangement among Bidders with the objective of restricting or manipulating a full and fair competition in the Bid process;

19.21 Compliance with Law:

Despite anything contained in this Agreement but without prejudice to Article 12, if any provision of this Agreement shall be in deviation or inconsistent with or repugnant to the provisions contained in the Electricity Act, 2003, or any rules and regulations made there under, such provision shall be deemed to be amended to the extent required to bring it into compliance with the aforesaid relevant provisions as amended from time to time.

IN WITNESS WHEREOF, THE PARTIES HAVE CAUSED THIS AGREEMENT TO BE EXECUTED BY THEIR DULY AUTHORISED REPRESENTATIVES AS OF THE DATE AND PLACE SET FORTH ABOVE.

1. For and on behalf of TSP

(SAURABH KAUSHIK)
(DGM)

[Signature, Name, Designation and Address]

2. For and on behalf of .....[Insert name of the Nodal Agency]

[Signature, Name, Designation and Address]

KAMAL KUMAR JAIN
Senior General Manager
सेंट्रल ट्रांसमिशन यूटिलिटी ऑफ इंडिया लिमिटेड
CENTRAL TRANSMISSION UTILITY OF INDIA LIMITED
(पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड की पूर्ण स्वामित्व कंपनी)
(A wholly owned subsidiary of POWERGRID)
5th-10th Floor, Ircon International Tower-1, Plot No.-16, Sector-32, Gurugram-122001

WITNESSES:

1. For and on behalf of

: BPC

[Signature]

(Anil Kumar Perala)
Chief Manager (Engg)
REC PDCL, Gurugram

[Insert, Name, Designation and Address of the Witness]

2. For and on behalf of

: Nodal Agency

[Signature]

Sahil
(Engineer)

[Insert Name, Designation and Address of the Witness]

CENTRAL TRANSMISSION UTILITY OF INDIA LTD.

New Delhi 110003

SCHEDULES

Schedule: 1

Project Description and Scope of Project

Scope of the Project:

Sl. No.	Scope of the Transmission Scheme	Scheduled COD in months from Effective Date
1.	Creation of New 220 kV Bus Section (3rd) with 220 kV Bus Sectionaliser and 400/220 kV, 3x500 MVA ICT augmentation (7th, 8th & 9th) at Pachora PS terminated on 220 kV Bus Section (3rd) • 500 MVA 400/220 kV ICT – 3 Nos. • 400 kV ICT bay – 3 Nos. (on Section-II) • 220 kV ICT bay – 3 Nos. (on Section-III) • 220 kV Bus Sectionaliser bays – 1 set • 220 kV BC & TBC – 1 No. each	24 Months (29.09.2027)
2.	**2a**. 3 Nos. 220 kV line bays for RE interconnection on Bus Section (3rd) • 3 Nos. on Sec-III	
	2b. 1 No. 220 kV line bay for RE Interconnection of Purvah Green Power Pvt.Ltd. on Bus Section (3rd) • 1 No. on Sec-III	
3.	Pachora PS – Rajgarh (PG) 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) along with associated line bays at both ends and 50 MVAr Switchable Line Reactors (Sw LR) on each ckt at both ends • 400 kV line bays: 4 Nos. (2 at Rajgarh (PG) & 2 at Pachora PS) • 420 kV, Switchable Line Reactors (Sw LRs): 4 Nos. (2 at Rajgarh (PG) & 2 at Pachora PS) • Switching equipment for 400 kV line reactor- 4 Nos. (2 at Rajgarh (PG) & 2 at Pachora PS)	
4.	Installation of 1x125 MVAR, 420 kV bus reactor at Pachora PS (400 kV Bus Section- II) • 125 MVAr, 420 kV Bus reactor – 1 Nos. • 400 kV Bus reactor bay: 1 Nos	

Sl. No.	Scope of the Transmission Scheme	Scheduled COD in months from Effective Date
5.	Creation of New 220 kV Bus Section-II at Neemuch PS with Augmentation of transformation capacity by 3x500 MVA, 400/220 kV ICTs (3rd, 4th & 5th) at Neemuch S/s along with associated bays • 500 MVA 400/220 kV ICT – 3 Nos. • 400 kV ICT bay – 3 Nos. • 220 kV ICT bay – 3 Nos. (on Sec-II) • 220 kV Bus Sectionaliser bays – 1 set • 220 kV BC & TBC – 1 Nos. each	
6.	4 Nos. 220 kV Line bays at Neemuch PS for RE interconnection • 220 kV Bays – 4 Nos. on Sec-II	
7.	Neemuch PS – Pachora PS 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) along associated Line bays and 50 MVAr Switchable Line Reactor (Sw LR) on each ckt at both ends • 400 kV Line bays: 4 Nos. (2 at Neemuch PS & 2 at Pachora PS) • 420 kV, Switchable Line Reactors (Sw LRs): 4 Nos. (2 at Neemuch PS & 2 at Pachora PS) • Switching equipment for 400 kV line reactor- 4 Nos. (2 at Neemuch PS & 2 at Pachora PS)	
8.	Establishment of 2x500 MVA, 400/220 kV S/s at Handiya along with 2x125 MVAr 420 kV Bus Reactors • 400/220 kV ICTs: 2 Nos. • 400 kV ICT Bays: 2 Nos. • 220 kV ICT Bays: 2 Nos. • 400 kV Line bays: 6 Nos. • 220 kV line bays for MPPTCL – 8 Nos. • 125 MVAr, 420 kV Bus reactor – 2 Nos. • 400 kV Bus reactor bay: 2 Nos. • 220 kV TBC bay – 1 Nos. • 220 kV BC bay – 1 Nos. **Future provision (space for):** • 400 kV line bays along with switchable line reactors– 6 Nos. (Sec-II)	

Sl. No.	Scope of the Transmission Scheme	Scheduled COD in months from Effective Date
	• 400/220 kV ICT along with bays – 4 Nos. (1 Nos. on Sec-I & 3 Nos. on Sec-II) • 400 kV Bus Reactor along with bays: 2 Nos. (Sec-II) • 220 kV line bays: 8 Nos. (on Sec-II) • 400 kV Sectionalization bay: 1 set • 220 kV Sectionalization bay: 1 set • 220 kV TBC & BC: 1 Nos	
9.	Pachora PS – Handiya 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) along with associated bays at Pachora PS end and 50 MVAr Switchable Line Reactor (Sw LR) on each ckt at both ends • 400 kV bays: 2 Nos. (at Pachora PS) • 420 kV, Sw LRs: 4 Nos. (2 at Handiya & 2 at Pachora PS) • Switching equipment for 400 kV line reactor- 4 Nos. (2 at Handiya & 2 at Pachora PS)	
10.	LILO of Khandwa (PG) – Itarsi (PG) 400 kV D/c (Twin Moose) line at Handiya S/s • The Khandwa (PG) – Itarsi (PG) 400 kV D/c line is of Twin Moose configuration and LILO shall be of similar conductor configuration.	
11.	Installation of 1x125 MVAR, 420 kV bus reactor (2nd) at Neemuch PS • 125 MVAr, 420 kV Bus reactor – 1 Nos. • 400 kV Bus reactor bay: 1 Nos.	

Note:

1. *TSP (Existing) of Neemuch PS shall provide space for above scope of work (free of cost) at Neemuch PS.*
2. *The TSP shall coordinate with M/s GR Infra Projects (TSP of Pachora PS) for available land within Pachora PS (free of cost) and shall coordinate with RUMSL for acquisition of additional land as required for developing the scope of work at Pachora PS.*
3. *400kV lines (Pachora PS -Rajgarh, Neemuch - Pachora PS & Pachora PS – Handiya), 400/220 kV, 3x500 MVA ICTs & 1x125 MVAR, 420 kV bus reactor at Pachora PS under the subject scheme shall be terminated at bus section-II of 400KV level of Pachora PS being implemented under Rajgarh Phase-II:1000MW scheme by M/s GR Infra Projects Ltd.*

4. *MPPTCL to implement below scope of works in matching time-frame of Handiya (ISTS) S/s (as confirmed by MPPTCL vide e-mail dated 23.07.2024):*

Sl. No.	***Name of work***	***Line Length (Km)***
1.	LILO of both Circuit of Handia (MPPTCL) 220 to Bisonikala (TBCB) 220kV lines at Handia 400 (New ISTS S/s).	2x10Km (Approx)
2.	LILO of Itarsi (MP) to Handia (MPPTCL) 220kV line at Handia 400 (New ISTS S/s).	10Km (Approx)
3.	LILO of Itarsi (MP) to Barwaha (MP) 220kV line at Handia 400 (New ISTS S/s).	10Km (Approx)

5. ***Implementation timeframe****: 24 months from date of SPV transfer*

Project Description

a) Rajgarh (1500 MW) Phase III

The Government of India has set a target for establishing 500 GW non fossil generation capacity by 2030, out of which 2.5 GW REZ potential has been identified at Rajgarh (MP).

1. Phase-I of 1.5 GW involves establishment of Pachora PS with 3x500 MVA 400/220 kV ICTs and Pachora PS – Bhopal 400 kV D/c line which has been implemented by M/s G R Infraprojects Ltd. (Commissioned)
2. Phase-II (1 GW) involves ICT augmentation (4th, 5th & 6th) Pachora PS along with Pachora PS – Ujjan (MPPTCL) 400 kV D/c line which is presently under implementation by M/s G R Infraprojects Ltd. with SCOD of 14.02.2026.

In view of applications received for cumulative capacity of 4000 MW at Pachora PS, it was found prudent to expand the substation to its full capacity so as to accommodate applications being received beyond 2.5 GW at Pachora PS. The subject scheme shall enable evacuation of upto 4000 MW Power from RE Projects in Rajgarh (i.e. 1500 MW beyond 2500 MW) SEZ in Madhya Pradesh.

The subject transmission scheme includes Creation of New 220 kV Bus Section (3rd) with 220 kV Bus Sectionaliser and Augmentation of transformation capacity at Pachora PS by 3x500 MVA (7th, 8th & 9th) terminated on 220 kV Bus Section (3rd), 4 Nos. of 220 kV line bays at 220 kV Bus Section (3rd) of Pachora PS for termination of dedicated lines from various REGS projects, Pachora PS – Rajgarh(PG) 400 kV D/c line with 50 MVAr Switchable line reactors (Sw LR) on each ckt at both ends and 125 MVAR, 420 kV bus reactor at Pachora PS (400 kV Bus Section-II). The transmission scheme would facilitate integration of 1.5 GW power beyond 2.5 GW from various REGS projects in Rajgarh REZ (i.e., up to 4 GW).

b) Neemuch (1000 MW) Phase II

The Government of India has set a target for establishing 500 GW non fossil generation capacity by 2030, out of which 1 GW SEZ has been identified at Neemuch for which 2x500 MVA, 400/220 kV Neemuch PS is already commissioned by POWERGRID.

In view of applications received for cumulative capacity of 1970 MW at Neemuch PS, it was found prudent to expand the substations to its full capacity so as to accommodate applications being received beyond 1 GW at Neemuch PS. Out of this, 1020 MW applications are received for Neemuch Ph-II system. The present

scheme shall enable evacuation of upto 2000 MW Power from RE Projects in Neemuch (i.e. 1000 MW beyond 1000 MW) SEZ in Madhya Pradesh.

In view of applications received for cumulative capacity of 1970 MW at Neemuch PS, it was found prudent to expand the substations to its full capacity so as to accommodate applications being received beyond 1 GW at Neemuch PS. Out of this, 1020 MW applications are received for Neemuch Ph-II system. The present scheme shall enable evacuation of upto 2000 MW Power from RE Projects in Neemuch (i.e. 1000 MW beyond 1000 MW) SEZ in Madhya Pradesh.

Neemuch PS is an existing S/s of M/s Neemuch Transmission Ltd. (POWERGRID) which is connected with Chittorgarh (PG) and Mandsaur(MP) S/s at 400 kV level (implemented under Neemuch 1 GW scheme). The subject transmission scheme broadly includes augmentation of transformation capacity at Neemuch PS, creation of 400/220 kV Handiya substation, Neemuch PS – Pachora PS 400 kV D/c line, Pachora PS – Handiya 400 kV D/c line, LILO of Khandwa (PG) – Itarsi(PG) 400 kV D/c (Twin Moose) line at Handiya S/s as well as Installation of 1x125 MVAr, 420 kV Bus Reactor (2nd) at Neemuch PS.

The above two transmission schemes were deliberated and recommended to be implemented under TBCB route in the 24th NCT meeting held on 23.10.2024. Both the schemes were notified by MoP vide Gazette notification dated 12.12.2024. However, due to additional space requirement at Rajgarh (Pachora) PS for implementation of subject two schemes, M/s G.R. Infrastructure Limited (GRIL) informed that additional land (approx. 8.7 acres) adjacent to Pachora PS is necessary for the implementation of the above two schemes and is under possession of RUMSL (Rewa Ultra Mega Solar L.td.). Further, RUMSL has conveyed that land can be allotted in the vicinity of present Pachora ISTS S/s as per the terms of RUMSL.

Accordingly, the subject two schemes were deliberated in 26th NCT meeting held on 06.01.2025, wherein, it was recommended for clubbing of both the transmission schemes "Transmission system for Evacuation of Power from RE Projects (1500 MW) in Rajgarh SEZ in Madhya Pradesh-Phase III" and "Transmission system for Evacuation of Power from RE Projects (1000 MW) in Neemuch SEZ in Madhya Pradesh- Phase II" notified by MoP vide Gazette notification dated 12.12.2024 with provision for acquiring land for additional scope.

Subsequently, Ministry of Power vide Gazette notification dated 19.03.2025 has appointed RECPDCL as the BPC for implementation of the subject transmission scheme through TBCB route with an implementation time frame as per detailed scope

SPECIFIC TECHNICAL REQUIREMENTS FOR TRANSMISSION LINE

The design, routing and construction of transmission lines shall be in accordance with Chapter V, Part A of CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations 2022, as amended from time to time. Other CEA Regulations/ guidelines as amended up to date and Ministry of Power (MoP) guidelines, as applicable, shall also be followed.

A.1.0 Selection of tower type shall be made as per CEA Regulations, however, in case lattice type towers are used, the following shall also be applicable:

A.2.0 Steel section of grade E 250 and/or grade E 350 as per IS 2062, only are permitted for use in towers, extensions, gantry structures and stub setting templates. For towers in snowbound areas, steel sections shall conform to Grade-C of IS-2062.

A.3.0 Towers shall be designed as per IS-802:2015, however the drag coefficient of the tower shall be as follows: -

Solidity Ratio	Drag Coefficient
Up to 0.05	3.6
0.1	3.4
0.2	2.9
0.3	2.5
0.4	2.2
0.5 and above	2.0

A.4.0 Transmission Service Provider (TSP) shall adopt any additional loading/ design criteria for ensuring reliability of the line, if so desired and /or deemed necessary.

A.5.0 Transmission line shall be designed considering wind zones as specified in wind map given in National Building Code 2016, Vol.1. The developer shall also make his own assessment of local wind conditions and frequent occurrences of High Intensity Winds (HIW) due to thunderstorms, dust storms, downburst etc. along the line route and wherever required, higher wind zone than that given in wind map shall be considered for tower design for ensuring reliability of line. Further, for transmission line sections passing within a distance of 50 km from the boundary of two wind zones, higher of the two wind zones shall be considered for design of towers located in such sections.

A.6.0 Selection of reliability level for design of tower shall be as per CEA Regulation (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations 2022, as amended from time to time.

A.7.0 A) In case of construction of transmission line of Voltage level of 400 kV and above, under crossing of the existing transmission line shall not be allowed. In the case where it is inevitable to under-cross the existing transmission line then TSP shall seek prior approval from Chief Electrical Inspector, CEA with detailed study ensuring that all statutory electrical clearances and Electric Field limit of 10 kV/m at 1 m and 1.8 m from ground level is not violated.

B) For power line crossing of 400 kV or above voltage level, large angle and dead end towers (i.e. D/DD/QD) shall be used on either side of power line crossing.

C) For power line crossing of 132 kV and 220 kV (or 230 kV) voltage level, angle towers (B/C/D/DB/DC/DD/ QB/QC/QD) shall be used on either side of power line crossing depending upon the merit of the prevailing site condition and line deviation requirement.

D) For power line crossing of 66 kV and below voltage level, suspension/tension towers shall be provided on either side of power line crossing depending upon the merit of the prevailing site condition and line deviation requirement.

E) For crossing of railway tracks, national highways and state highways, the rules/ regulations of appropriate authorities shall be followed.

A.8.0 The relevant conductor configuration shall be as follows: -

For (i) Neemuch PS – Pachora PS 400 kV D/C line

(ii) Pachora PS – Handiya 400 kV D/C line

(iii) Pachora PS – Rajgarh (PG) 400 kV DC line:

Type of conductor: ACSR / AAAC / AL59

Transmission line	ACSR Conductor specified	Equivalent AAAC conductor based on 53% conductivity of Al Alloy	Equivalent minimum size of AL59 conductor based on 59% conductivity of AL Alloy*	Sub-conductor Spacing

400 kV D/C (Quad Bundle) transmission lines	**Moose: Stranding** 54/3.53mm-Al + 7/3.53 mm-Steel, 31.77 mm diameter 528.5 mm^2, Aluminium area, Maximum DC Resistance at 20°C (Ω/km): 0.05552 Minimum UTS: 161.20 kN	**Stranding details:** 61/3.55mm 31.95mm diameter; 604 mm^2 Aluminium alloy area Maximum DC Resistance at 20°C (Ω/km): 0.05506 Minimum UTS: 159.80 kN	**Stranding details:** 61/3.31mm 29.79 mm diameter; 525 mm^2 Aluminium alloy area Maximum DC Resistance at 20°C (Ω/km): 0.0566 Minimum UTS: 124.70 kN	457 mm

For LILO of Khandwa(PG) – Itarsi(PG) 400 kV D/C(Twin Moose) line at Handiya S/s

Type of conductor: ACSR / AAAC / AL59

Transmission line	**ACSR Conductor specified**	**Equivalent AAAC conductor based on 53% conductivity of Al Alloy**	**Equivalent minimum size of AL59 conductor based on 59% conductivity of AL Alloy***	**Sub-conductor Spacing**
400 kV D/C (Twin Bundle) transmission line	**Moose Stranding:** 54/3.53 mm-Al + 7/3.53 mm-Steel, 31.77 mm diameter 528.5 mm^2, Aluminium area,	**Stranding details:** 61/3.55 mm 31.95mm diameter; 604 mm^2 Aluminium alloy area Maximum	**Stranding details:** 61/3.31 mm 29.79 mm diameter; 525 mm^2 Aluminium alloy area Maximum DC	450 mm

	Maximum DC Resistance at 20°C (Ω/km): 0.05552	DC Resistance at 20°C (Ω/km): 0.05506	Resistance at 20°C (Ω/km): 0.0566	
	Minimum UTS: 161.20 kN	Minimum UTS: 159.80 kN	Minimum UTS: 124.70 kN	

Note:

1. **To Select any size above the minimum, the sizes mentioned in the Indian standard IS-398(part-6) shall be followed.*
2. *The transmission lines shall have to be designed for a maximum operatingconductor temperature of 85 deg C.*

A.9.0 The required phase to phase spacing and horizontal spacing for 400 kV line shall be governed by the tower design as well as minimum live metal clearances for 400 kV voltage level under different insulator swing angles. However, the phase to phase spacing for 400 kV line shall not be less than 8 m.

A.10.0 All electrical clearances including minimum live metal clearance, ground clearance and minimum mid span separation between earth wire and conductor as given below shall be considered:

I. **Minimum live metal clearances for 400 kV line:**

(i) Under stationary conditions

From tower body: 3.05 m

(ii) Under swing conditions

Wind Pressure Condition	Minimum Electrical Clearance
a) Swing angle (22°)	3.05 m
b) Swing angle (44°)	1.86 m

(iii) Minimum ground clearance for 400 kV line: 8.84 m

(iv) Minimum mid span separation between earth-wire and conductor for 400 kV line: 9.0 m

A.11.0 The shielding angle shall not exceed 20 deg for 400 kV D/C transmission line.

A.12.0 The Fault current for design of line shall be 63 kA for 1 sec for 400 kV.

A.13.0 In case of 400 kV and above voltage class lines, at least one out of two earth wires shall be OPGW and second earth wire, if not OPGW, shall be either of Galvanized Stranded Steel (GSS) or Aluminium Alloy Conductor Steel

Reinforced (AACSR) or any other suitable conductor type depending upon span length and other technical consideration.

A.14.0 Each tower shall be earthed such that tower footing impedance does not exceed 10 ohms. Pipe type or Counterpoise type earthing shall be provided in accordance with relevant IS. Additional earthing shall be provided on every 7 to 8 km distance for direct earthing of both shield wires. If site condition demands, multiple earthing or use of earthing enhancement compound shall be used.

A.15.0 Pile type foundation shall be used for towers located in river or creek bed or on bank of river having scourable strata or in areas where river flow or change in river course is anticipated, based on detailed soil investigation and previous years' maximum flood discharge of the river, maximum velocity of water, highest flood level, scour depth and anticipated change in course of river based on river morphology data of at least past 20 years to ensure availability and reliability of the transmission line.

A.16.0 Transmission line route shall be finalized, in consultation with appropriate authorities so as to avoid the habitant zones of endangered species and other protected species. Bird diverters, wherever required, shall be provided on the line. In order to optimize the route, use of GATISHAKTI platform shall also be made.

A.17.0 Wherever, transmission lines are passing through cyclone prone areas i.e. areas up to 60 km from coast following shall also be applicable:

a) Terrain category-I, with terrain roughness factor (K2) of 1.08 shall be considered for tower design for exposed open terrain with few or no obstruction which also includes open sea coasts, open stretch of water, desert and flat treeless plains

b) Importance factor for cyclonic region (K4) of 1.3 shall be considered for tower design.

c) The number of consecutive spans between the section points/ angle point shall not exceed 10 spans or 3 km instead of conventional practice of 15 spans or 5 km, in order to reduce the failure of such towers in coastal areas due to cascading effect. The section shall be terminated with tension tower/ angle tower and angle of deviation should be based on the site requirement.

A.18.0 Wherever, transmission lines are passing through cyclone prone areas (i.e. areas up to 60 km from coast)/ creek regions/ aggressive soil areas following shall also be applicable:

a) The fabricated tower parts and stubs shall have a minimum overall zinc coating of 900 g/m^2 of surface area except for plates and sections below 5 mm which shall have a minimum overall zinc coating of 610 g/m^2 of

surface area. The average zinc coating for all sections and plates 5 mm and above shall be maintained as 127 microns and that for plates and sections below 5 mm shall be maintained as 87 microns.

b) Ready mix concrete of M30 Grade shall be used to avoid use of locally available saline water. However, design mix concrete of M30 Grade conforming to IS 456 with potable water can be used at locations where transportation of ready-mix concrete is not feasible. Minimum cement content in any case shall not be less than 330kg/m^3.

c) The surface of the reinforced steel shall be treated with epoxy-based coating to enhance corrosion performance of foundation. Use of epoxy coated reinforcement in foundation shall be as per IS 13620. In addition, two (2) coats of bituminous painting of minimum 1.6 kg/ m^2 per coat shall be applied on all exposed faces of foundation (i.e. pedestal and base slab).

d) Double coat 20 mm thick cement plaster shall be provided on all exposed concrete surface as well up to 300 mm below ground level to give protection to concrete surface from environmental and saline effect.

e) Before coping of chimney top portion, three coats of anti-corrosive paint of minimum 30-35 microns dry film thickness each shall be applied on the stub in the 50mm coping portion as well as up to 350mm above CL portion.

A.19.0 The raised chimney foundation is to be provided in areas prone to flooding/water stagnation like paddy field /agricultural field and undulated areas to avoid direct contact of water with steel part of tower. The top of the chimney of foundation should be at least above High Flood Level (HFL) or the historical water stagnation/ logging level (based on locally available data) or above High Tide Level or 500 mm above Natural Ground level (whichever is higher).

A.20.0 Routing of transmission line through protected areas shall be avoided to the extent possible. In case, it is not possible to avoid protected areas, the towers of the transmission line up to 400 kV level which are installed in protected areas shall be designed for Multi-circuit (4 circuits) configuration of same voltage level considering reliability level of at least two (2). The top two circuits of these multi-circuit towers shall be used for stringing of the transmission line under present scope and the bottom two circuits shall be made available for stringing of any future transmission line of any transmission service providers/ State transmission utilities/Central transmission utilities passing through the same protected area. Further, the configuration and coordinates of such transmission towers shall be submitted to CEA, CTU and BPC by the TSP.

A.21.0 The TSP shall abide by the Guidelines of CEA w.r.t. shifting of transmission lines for NHAI projects and other projects.

A.22.0 Safety precautions in regards to gas/oil pipelines in vicinity of Transmission lines shall be taken in coordination with gas/ petroleum authorities.

A.23.0 The stringing of the transmission line in forest area shall be carried out through drone.

A.24.0 The tower shall be designed considering the porcelain Insulators with creepage factor of 31 mm/ kV irrespective of type of insulator used.

A.25.0 RoW width and Span in different terrain shall be as per Schedule VII of CEA (Technical Standards for Construction of Electrical plants and Electric Lines) Regulations 2022 and RoW guidelines issued vide CEA-PS-14-86/2/2019-PSETD Division dated 24.09.2024

SPECIFIC TECHNICAL REQUIREMENTS FOR SUBSTATION

The proposed **Handiya SS** shall be conventional Air Insulated Switchgear (AIS) type conforming to the requirements of CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2022, as amended from time to time.

The proposed extension of **Neemuch PS, Pachora PS and Rajgarh SS** shall be conventional AIS type conforming to the requirements of CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations 2022, as amended from time to time.

Other CEA Regulations/guidelines as amended up to date and MoP guidelines, as applicable, shall also be followed.

B.1.0 Salient features of Substation Equipment and Facilities

The design and specification of substation equipment are to be governed by the following factors:

B.1.1 Insulation Coordination

The system design parameters for substations/switchyards shall be as given below:

Sl. No.	Description of parameters	400/220 kV Handiya SS (AIS)/ 400/220 kV Pachora PS Extn. (AIS)/ 400 kV Neemuch PS (AIS) Extn.		400 kV Rajgarh SS Extn. (AIS)
		400 kV System	**220 Kv System**	**400 kV System**
1.	System Operating Voltage	400 kV	220 kV	400 kV
2.	Maximum voltage of the system (rms)	420 kV	245 kV	420 kV
3.	Rated Frequency	50 Hz	50 Hz	50 Hz
4.	No. of Phases	3	3	3
5.	Rated Insulation Levels			
i)	Lightning Impulse withstand voltage for (1.2/50 micro sec.) - for Equipment other than Transformer and Reactor - for Insulator String	1425 kVp 1550 kVp	1050 kVp 1050 kVp	1425 kVp 1550 kVp

Sl. No.	Description of parameters	400/220 kV Handiya SS (AIS)/ 400/220 kV Pachora PS Extn. (AIS)/ 400 kV Neemuch PS (AIS) Extn.		400 kV Rajgarh SS Extn. (AIS)
		400 kV System	220 Kv System	400 kV System
ii)	Switching Impulse withstand voltage (250/2500 micro sec.) dry and wet	1050 kVp	--	1050 kVp
iii)	One minute power frequency dry withstand voltage (rms)	630 kV	--	630 kV
iv)	One minute power frequency dry and wet withstand voltage (rms)	--	460 kV	--
6.	Corona Extinction Voltage	320 kV	--	320 kV
7.	Max. radio interference voltage for frequency between 0.5 MHz and 2 MHz	1000 micro-volts at 266 kV rms	1000 micro-volts at 156 kV rms	1000 micro-volts at 266 kV rms
8.	Minimum creepage distance for insulator string/ longrod insulators/ outdoor bushings	13020 mm (31 mm/kV)	7595 mm (31 mm/kV)	13020 mm (31 mm/kV)
9.	Minimum creepage distance for switchyard equipment	10500 mm (25 mm/kV)	6125 mm (25 mm/kV)	10500 mm (25 mm/kV)
10.	Max. Fault Current	63 kA	50 kA	63 kA
11.	Duration of Fault	1 sec	1 sec	1 sec

B.1.2 Switching Scheme

The switching schemes, as mentioned below, shall be adopted at various voltage levels of substation/switchyard:

Substation	400 kV side	220 kV side
400/220 kV Handiya SS (AIS)	One and Half breaker	Double Main and Transfer
400/220 kV Neemuch PS	One and Half breaker	Double Main and

(AIS) Extn.		Transfer
400 kV Pachora PS (AIS) Extn.	One and Half breaker	Double Main and Transfer
400 kV Rajgarh SS (AIS) Extn.	One and Half breaker	---

Notes: -

i) *For one and half breaker switching scheme, any double circuit line consisting of two numbers of feeders and originating from the same transmission or generating switchyard shall not be terminated in one diameter.*

ii) Two transformers of same HV rating shall not be connected in the same diameter and similarly two bus reactors of same HV rating shall also not be connected in the same diameter.

iii) A diameter in one and half breaker scheme is a set of 3 circuit breakers with associated isolators, earth switches, current transformers etc. for controlling 2 (two) numbers of feeders.

iv) Connection arrangement of Switchable Line reactors shall be such that it can be used as Line reactor as well as Bus reactor with suitable NGR bypass arrangement.

v) Space for 400 kV future line bays shall be kept considering provision of switchable line reactors.

vi) Provision for Bus sectionalizer:
One (1) set of bus sectionalizer for 400 kV means Two (2) Nos. of bus sectionalizer bays with associated Circuit Breakers, Isolators and Current Transformers for both buses.
One (1) set of bus sectionalizer for 220 kV means Two (2) Nos. of bus sectionalizer bays with associated Circuit Breakers, Isolators and Current Transformers for both buses.

vii) TSP shall plan connectivity of line and transformer feeders to bus bar in such a way that all power can be evacuated successfully without crossing thermal limit at any point of bus-bar.

viii) For AIS type substation, TSP shall keep space provisions for future elements such that interconnection arrangement to the corresponding future bays can be done with overhead AIS type connection without any cable/ GIS duct.

ix) 400/220 kV Handiya SS:

400 kV Bus Sectionalization shall be with the following feeder distribution.

400 kV Bus Section-1	*400 kV Bus Section-2 (Future)*
a. 2 Nos. of present 400/220 kV ICT	*a. 3 Nos. of future 400/220 kV ICT*
b. 2 Nos. of present 400 kV Bus Reactor	*b. 6 Nos. of future 400 kV Lines*
c. 6 Nos. of Present 400 kV Lines	*c. 2 Nos. of future 400 kV Bus Reactor*
d. 1 No. of Future 400/220 kV ICT	

x) **400/220 kV Pachora PS:** 400 kV D/C line, 400/220 kV, 3x500 MVA ICTs and 1x125 MVAr, 420 kV bus reactor shall be terminated at bus section-II of 400 kV level being implemented under Rajgarh Phase-II:1000MW scheme by M/s G R Infraprojects Ltd. at Pachora PS. Bay no. 421 as shown in attached SLD (Drg. No. REC/URJA/E-SYD-DRG/SLD-001 Rev 1) shall also be utilized for present scope of work.

xi) **400 kV Rajgarh SS:** Pachora PS – Rajgarh (PG) 400 kV D/C line shall be terminated in existing half diameters for which main bays (bay Nos. 419 and 422 as shown in SLD drg. No. C/ENGG/WR/RAJGARH-EXTN/ICT-4/SLD, Rev 0) shall be constructed under present scope.

xii) In one and half breaker scheme, both main bay and tie bay shall be completed for controlling a feeder. Further, all associated interconnection work shall also be in the present scope of TSP.

B.2.0 Substation Equipment and Facilities (Voltage level as applicable)::

The switchgear shall be designed and specified to withstand operating conditions and duty requirements. All equipment shall be designed considering the following capacity:

Sl. No	Description of bay	400/220 kV Handiya SS		400/220 kV Neemuch PS		400/220 kV Pachora PS		400 kV Rajgarh SS
		400 kV	220 kV	400 kV	220 kV	400 kV	220 kV	400 kV
1.	Bus Bar	4000 A	3000 A	4000 A	3000 A	4000 A	3000 A	4000 A
2.	Line bay	3150 A	1600 A	3150 A	1600 A	3150 A	1600 A	3150 A
3.	ICT bay	3150 A	1600 A	3150 A	1600 A	3150 A	1600 A	N/A
4.	Reactor bay	3150 A	N/A	3150 A	N/A	3150 A	N/A	3150A
5.	Bus	N/A	N/A	N/A	3000 A	N/A	3000 A	N/A

	Sectionaliser bay							
6.	Bus Coupler Bay	N/A	3000 A	N/A	3000 A	N/A	3000 A	N/A
7.	Transfer Bus coupler bay	N/A	1600 A	N/A	1600 A	N/A	1600 A	N/A

B.2.1 400/220/33kV, 3-phase Autotransformer

500 MVA, 400/220/33 kV, 3-phase autotransformer shall conform to CEA's "Standard Specifications and Technical Parameters for Transformers and Reactors (66 kV and above Voltage Class)" as amended up to date available on CEA website.

B.2.2 420 kV, 3- Phase Shunt Reactor

50 MVAr and 125 MVAr, 420 kV, 3-Phase Reactor shall conform to CEA's "Standard Specifications and Technical Parameters for Transformers and Reactors (66 kV and above voltage class)" as amended up to date available on CEA website.

The Ohmic value of NGR for Line Reactors shall be as follows:

Sl. No.	Line Name	Substation Name	NGR value (Ohm)
1.	Neemuch PS – Pachora PS 400 kV D/C line with 50 MVAr Sw LR on each ckt at both ends	Pachora PS	500
2.		Neemuch (PG)	500
3.	Pachora PS – Handiya 400 kV D/C line with 50 MVAr Sw LR on each ckt at both ends	Pachora PS	500
4.		Handiya S/S	500
5.	Pachora PS – Rajgarh(PG) 400 kV D/C line with 50 MVAr Sw LR on each ckt at both ends	Pachora PS	500
6.		Rajgarh (PG)	500

B.2.3 400 kV and 220 kV AIS Substation equipment (as applicable)

B.2.3.1 Circuit Breakers (AIS)

The circuit breakers and accessories shall conform to IEC: 62271-100, IEC: 62271-1 and shall be of SF_6 Type. The circuit breakers shall be of class C2-M2 (as per IEC) with regard to restrike probability during capacitive current breaking and mechanical endurance. The rated break time shall not exceed 40 ms for 400 kV circuit breakers and 60 ms for 220 kV circuit breakers. The 400 kV and 220 kV circuit breakers shall be provided with single phase and

three phase auto reclosing. Each breaker would have two sets of trip circuits, which would be connected to separate DC supplies for greater reliability. The Circuit breakers controlling 400 kV lines shall be provided with pre insertion closing resistor of about 400 ohm with 8 ms insertion time or Controlled Switching Device (CSD) for lines longer than 200 km length. The short line fault capacity shall be same as the rated capacity and this is proposed to achieve without use of opening resistors. The controlled switching device shall be provided in circuit breakers of switchable line reactor bay and in Main and Tie bay circuit breakers of line with non-switchable line reactors, Bus Reactors and Transformers of voltage class 400 kV and above

B.2.3.2 Isolators (AIS)

The isolators shall comply with IEC 62271-102 in general. 400 kV and 220 kV isolators shall be double break type. All isolators and earth switches shall be motor operated. Earth switches shall be provided at various locations to facilitate maintenance. Isolator rated for 400 kV and 220 kV shall be of extended mechanical endurance class – M2 as per IEC-62271-102. Isolator rated for 220 kV shall be suitable for bus transfer current switching duty as per IEC-62271-102. Main blades and earth blades shall be interlocked and interlock shall be fail safe type. The 400 kV and 220 kV earth switch for line isolator shall be suitable for induced current switching duty as defined for Class-B.

B.2.3.3 Current Transformers (AIS)

Current Transformers shall comply with IEC 61869 in general. All ratios shall be obtained by secondary taps only. Generally, Current Transformers (CT) for 400 kV shall have six cores (four for protection and two for metering) and 220 kV Current Transformers shall have five cores (four for protection and one for metering). The burden and knee point voltage shall be in accordance with the requirements of the system including possible feeds for telemetry. The accuracy class for the protection core shall be PX and for the metering core it shall be 0.2S. The rated burden of cores shall be closer to the maximum burden requirement of the metering and protection system (not more than 20 VA for metering core) for better sensitivity and accuracy. The instrument security factor shall be less than five (5) for CTs up to 400 kV voltage class.

B.2.3.4 Capacitive Voltage Transformers (AIS)

Capacitive Voltage Transformers shall comply with IEC 61869 in general. These shall have three secondaries out of which two shall be used for protection and one for metering. The Accuracy class for protection cores shall be 3P and for metering core shall be 0.2. The Capacitive Voltage Transformers on lines shall be suitable for Carrier Coupling. The Capacitance of CVT for 400 kV and 220

kV shall be of 4400/8800 pF depending on PLCC requirements. The rated burden of cores shall be closer to the maximum burden requirement of metering and protection system (not more than 50 VA for metering core) for better sensitivity and accuracy.

B.2.3.5 Surge Arresters (AIS)

336 kV Station High (SH) duty and 216 kV Station Medium (SM) duty gapless type Surge Arresters with thermal energy (W_{th}) of minimum 12 kJ/kV and 7 kJ/kV conforming to IEC 60099-4 in general shall be provided for 420 kV and 245 kV systems respectively. Other characteristics of Surge Arrester shall be chosen in accordance with system requirements. Surge arresters shall be provided at line entrances, near transformers and reactors so as to achieve proper insulation coordination. Surge Arresters shall be provided with porcelain/ polymer housing fitted with pressure relief devices. A leakage current monitor with surge counter shall be provided with each surge arrester.

B.2.4 Protection Relaying and Control System

The protective relaying system proposed to be provided for transmission lines, auto-transformers, reactors and bus bars to minimize the damage to the equipment in the events of faults and abnormal conditions, is dealt in this section. All main protective relays shall be numerical type with IEC 61850 communication interface and should have interoperability during integration of numerical relays to communicate over IEC61850 protocol with RTU/SAS/IEDs of different OEMs. All numerical relays shall have built in disturbance recording feature.

The protection circuits and relays of transformer and reactor shall be electrically and physically segregated into two groups each being independent and capable of providing uninterrupted protection even in the event of one of the protection groups failing, to obtain redundancy, and to take protection systems out for maintenance while the equipment remains in service.

A) TRANSMISSION LINES PROTECTION

400 kV and 220 kV lines shall have Main-I numerical three zone distance protection scheme with carrier aided inter-tripping feature. 400 kV and 220 kV lines shall also have Main-II numerical distance protection scheme like Main-I but from different make that of Main-I. The Main-I and Main-II protection relays of same make may be provided only if they are of different hardware and manufacturing platform or different principle of operation.

However, Line Current Differential Relay (with back up distance protection feature) as Main–I and Main-II shall be considered at both ends for short lines (line length below 30 km) having Fibre Optic Communication Link. Differential

relay at remote end shall be provided by the TSP. The associated power and control cabling and integration with SAS at remote end shall be provided by respective bay owners.

In case of 220 kV line bays for RE Generators, Line Current differential relay (with back up distance protection feature) as Main-I and Main-II shall be provided. Further, in such cases, the matching line current differential relay for remote end shall be provided by the TSP as loose supply.

In case of loop in loop out of transmission lines, the existing protection scheme shall be studied and suitable up-gradation (if required) shall be carried out.

Further, all 400 kV and 220 kV lines shall be provided with single and three phase auto- reclosing facility to allow reclosing of circuit breakers in case of transient faults. These lines shall also be provided with distance to fault locators to identify the location of fault on transmission lines.

All 400 kV and 220 kV lines shall also be provided with two stage over voltage protection. The over voltage protection and distance to fault locator may be provided as in-built feature of Main-I and Main-II protection relays. Auto reclose as built-in function of Bay Control Unit (BCU) is also acceptable.

The Main-I and Main-II protection relays shall be fed from separate DC sources and shall be mounted in separate panels.

For 400 kV and 220 kV transmission lines, directional IDMT earth fault relay should be provided as standalone unit or in-built feature of Main-I and Main -II feature.

B) AUTO TRANSFORMER PROTECTION

These shall have the following protections:

i) Numerical Differential Protection

ii) Numerical Restricted Earth Fault Protection

iii) Numerical Back-up Over-Current and Earth Fault Protection on High Voltage (HV) and Intermediate Voltage (IV) side

iv) Numerical Over Fluxing Protection on HV and IV side

v) Numerical Overload Alarm

Further, Numerical Back-up Over-current and earth fault protection on HV and IV side of autotransformer shall not be combined with other protective functions in the main relays and shall be independent relays. Besides these, power transformers shall also be provided with Buchholz relay, Magnetic Oil Gauge (MOG) with low oil level alarm, protection against high oil and winding temperature and pressure relief device etc.

Suitable monitoring, control (operation of associated circuit breaker and isolator) and protection for LT auxiliary transformer connected to tertiary winding of auto-transformer for the purpose of auxiliary supply shall be provided. The over current and other necessary protection shall be provided for the auxiliary transformer. These protection and control may be provided as built-in feature either in the bay controller to be provided for the auxiliary system or in the control and protection IEDs to be provided for autotransformer.

C) REACTOR PROTECTION

Reactor shall be provided with the following protections:

i) Numerical Differential Protection.

ii) Numerical Restricted Earth Fault Protection

iii) Numerical Back-up impedance protection

Besides these, reactors shall also be provided with Buchholz relay, Magnetic Oil Gauge (MOG) with low oil level alarm, protection against oil and winding temperatures and pressure relief device, etc.

D) BUS BAR PROTECTION

The high-speed low impedance type bus bar differential protection, which is essential to minimize the damage and maintain system stability at the time of bus bar faults, shall be provided for 400 kV and 220 kV buses. Duplicated bus bar protection is envisaged for 400 kV bus-bar protection. Bus bar protection scheme shall be such that it operates selectively for each bus and incorporate necessary features required for ensuring security. The scheme shall have complete bus bar protection for present as well as envisaged future bays i.e. input / output modules for future bays shall also be provided.

Bus Bar protection system for new substation shall be de-centralized (distributed) type.

The scheme shall have complete bus bar protection for present as well as envisaged future bays i.e. input/ output modules for future bays for the bus sections under present scope and PUs shall be provided by the respective bay owners. In case, the bus section is provided, then each side of bus section shall have separate set of bus bar protection schemes.

For existing substations, the existing bus bar protection shall be augmented as per requirement.

E) LOCAL BREAKER BACK UP PROTECTION

This shall be provided for each 400 kV and 220 kV circuit breakers and will be connected to de-energize the affected stuck breaker from both sides.

Notes:

1. *LBB and REF relays shall be provided separately from transformer differential relay.*
2. *LBB relay may also be provided as built-in protection function of distributed bus bar protection scheme; however in such case separate LBB relay shall be provided for tie bays (in case of One and Half breaker scheme).*
3. *Over fluxing and overload protection can be provided as built-in feature of differential relay.*
4. *In 400 kV switchyard, if spare bay of half diameter is identified as future, Tie CB relay panel shall be with Auto-reclosure feature.*

B.2.5 Substation Automation System

a) For all the new substations, state of art Substation Automation System (SAS) conforming to IEC-61850 shall be provided. The distributed architecture shall be used for Substation Automation System, where the controls shall be provided through Bay Control Units. The Bay Control Unit is to be provided bay wise for voltage level 220 kV and above. All Bay Control Units as well as protection units are normally connected through an Optical fibre high speed network. The control and monitoring of circuit breaker, dis-connector, re-setting of relays etc. can be done from Human Machine Interface (HMI) from the Control Room.

The functions of control, annunciation, disturbance recording, event logging and measurement of electrical parameters shall be integrated in the Substation Automation System.

At the new substations, the Substation Automation System (SAS) shall be suitable for operation and monitoring of the complete substation including proposed future bays/elements.

In the existing substations with Substation Automation System (SAS), augmentation of existing SAS shall be done for bays under present scope.

In the existing Substations where Substation automation is not provided, control functions shall be done through control panels.

Necessary gateway and modems (as required) shall be provided to send data to RLDC/SLDC as per their requirement and shall be provisioned with 2+2 redundancy i.e. 2 channels for Main Control Centre and 2 channels for Backup Control Centre. In order to meet this requirement, suitable redundancy at port and card level need to be ensured by the TSP to avoid any single point of failure which may lead to interruption in real-time grid operation. Accordingly, all the hardware for communication services of station as stated above shall support dual redundancy for data transmission of station to respective main and

backup RLDCs. Any augmentation work at RLDC/SLDC is excluded from TSP's scope. However, all the configuration work at substation end required to send data to RLDC/SLDC shall be in the scope of TSP.

b) Time Synchronization Equipment

Time Synchronization Equipment complete in all respect including antenna, cable, processing equipment required to receive time signal through GPS or from National Physical Laboratory (NPL) through INSAT shall be provided at new substations. This equipment shall be used to synchronize SAS and IEDs etc.

B.3.0 Substation Support Facilities

Certain facilities required for the operation and maintenance of substations as described below shall be provided at the new substation. In existing substation, these facilities have already been provided and would be extended/ augmented as per requirement.

B.3.1 AC and DC power supplies

For catering the requirements of three phase and single phase AC supply and DC supply for various substation equipment (for present and future scope), the following arrangement is envisaged:-

i) For LT Supply at each new Substation, two (2) Nos. of auxiliary Transformers (minimum 630 kVA for substations with highest voltage rating as 400 kV) shall be provided which shall be fed from two inde

ii) endent sources as per CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007.

Metering arrangement with Special Energy Meters (SEMs) shall be provided by TSP at 33 kV tertiary of Transformer for drawing auxiliary supply at new substation. Such SEMs shall be provided by CTU at the cost of the TSP. Accounting of such energy drawn by the TSP shall be done by RLDC/RPC as part of Regional Energy Accounting.

Additionally, Active Energy Meters may be provided at the same point in the 33 kV tertiary of Transformer by local SEB/DISCOM for energy accounting.

iii) 2 sets of 220 V battery banks for control and protection and 2 sets of 48 V battery banks for PLCC/ communication equipment shall be provided at each new Substation. Each battery bank shall have a float-cum-boost charger.

At new substation, sizing of 220 V battery and battery charger shall be done based on the number of bays specified (including future bays) as per CEA Regulations and relevant IS. 2 sets of 48 V battery banks for PLCC and

communication equipment for present and future scope shall be provided at each new Substation with at least 10-hour battery backup and extended backup, if required. 48 V DC can be achieved from 220 V DC battery bank using adapter, if so desired by TSP, without compromising backup time.

iv) Suitable AC and DC distribution boards and associated LT Switchgear shall be provided at new substation.

For new substation, following switch boards shall be considered with duplicate supply with bus coupler/ sectionalizer and duplicate outgoing feeders except for Emergency lighting distribution board which shall have only one incoming feeder:

(a) 415 V Main Switchboard – 1 No.
(b) AC distribution board – 1 No.
(c) Main lighting distribution board – 1 No.
(d) Emergency lighting distribution board – 1 No.
(e) 220 Volt DC distribution board – 2 Nos.
(f) 48 Volt DC distribution board – 2 Nos.

Sizing of LT Switchgear shall be suitable to cater the requirement for all present andfuture bays. AC and DC distribution boards shall have equipped modules for all the feeders (including future as specified).

v) At new Substation, one No. of DG set (minimum 250 kVA for substations with highest voltage rating as 400 kV shall be provided for emergency applications.

vi) For substation extensions, existing facilities shall be augmented as required.

B.3.2 Fire Fighting System

Fire-fighting system for substation including Transformer and Reactor shall conform to CEA (Measures Relating to Safety and Electric Supply) Regulations, 2023 as amended time to time.

Further, adequate water hydrants and portable fire extinguishers shall be provided in the substations. The main header of the firefighting system shall be suitable for extension to bays covered under the future scope; necessary piping interface in this regard shall be provided.

At existing substations, the fire-fighting systems as available shall be extended to meet the additional requirements.

B.3.3 Oil evacuating, Filtering, Testing and Filling apparatus

To monitor the quality of oil for satisfactory performance of transformers, shunt reactors and for periodical maintenance necessary oil evacuating, filtering, testing and filling apparatus would be provided at new substations. Oil storage tanks of adequate capacities for storage of transformer oil would be provided.

Online Transformer Oil Drying Out System shall be provided in line with the provisions of Standard Specification and Technical Parameters for Transformers and Reactors (66 kV and above Voltage Class) as amended up to date available on CEA website.

B.3.4 Illumination

Normal and emergency AC and DC illumination shall be provided adequately in the control room and other buildings of the substation. The switchyard shall also be provided with adequate illumination.

The lighting of the entire control room building, fire-fighting pump house, other building (if any) and switchyard shall be done by LED based low power consumption luminaries.

B.3.5 Control Room

For the new substation, substation control room shall be provided to house substation work stations for station level control (SAS) along with its peripheral and recording equipment, AC and DC distribution boards, DC batteries and associated battery chargers, Fire Protection panels, Telecommunication panels and other panels as per requirements. Air conditioning shall be provided in the building as functional requirements. Main cable trenches from the control room shall have adequate space provision for l
ying of cables from the control room for all the future bays also.

At existing substations, the adequacy of size of control room shall be ascertained and the same shall be augmented as per requirement.

B.3.6 Control Concept

All the EHV circuit breakers in substation/switching stations shall be controlled and synchronized from the switchyard control room/remote control center. All the isolators shall have control from remote/local whereas the earth switches shall have local control only.

B.3.7 Visual Monitoring System (VMS) for watch and ward of substation premises:

Visual Monitoring System for effective watch and ward of substation premises shall cover all the transformers and reactors, all other major AIS Equipment

(such as CB, isolators, CT, CVT, SA etc. as applicable), panel room, all the gates of switchyard and all entry and exit points of control room building and accordingly the location of cameras shall be decided. In addition to the gates of the switchyard, the cameras shall also be located around the boundaries at suitable locations. The camera shall be high-definition color CCD camera with night vision feature. The VMS data partly/completely shall be recorded (minimum for 15 days) at least @25fps (or better) and stored on network video recorder. The system shall use video signals from various cameras installed at different locations, process them for viewing on workstations/monitors in the control room and simultaneously record all the cameras. The VMS data should go only to the intended personnel/facility and not to the remote server of the Camera (VMS suppl
er).

Mouse/keyboard controllers shall be used for pan, tilt, zoom and other functions of the desired camera. The Visual Monitoring System shall have provision of WAN connectivity for remote monitoring.

All camera recordings shall have Camera ID and location/area of recording as well as date/time stamp. The equipment should generally conform to Electromagnetic compatibility requirement for outdoor equipment in EHV substation.

Advisory on deployment of CCTV issued by Ministry of Electronics and Information Technology (MEITY) shall be followed.

At existing substations, the Visual Monitoring System if available shall be augmented as per existing or better specification as required.

B.4 General Facilities

a) Line Gantry/Towers are envisaged for bays under the present scope only. However, for adjacent future line bay, gantry/tower shall be designed for extension (considering Quad conductors for 400 kV and Twin conductor for 220 kV future lines) wherever applicable.

b) Bay extension works at existing substation shall be executed by TSP in accordance with the requirement/provisions mentioned above. However, interface points shall be considered keeping in view the existing design/arrangement at the substation.

c) TSP has to arrange for construction power and water on its own.

d) All outdoor steel structures including anchor/foundation bolts shall be fully galvanized. The weight of the zinc coating shall be at least 610 g/m^2, however, for coastal/creek regions it shall be at least 900 g/m^2. (if applicable)

e) In 400 kV switchyard, if spare bay of half diameter is identified as future, all the equipment for Tie and Future bay shall be designed considering the current rating of line bay i.e. 3150 A.

f) Boundary wall shall be brick masonry wall with RCC frame or Stone masonry wall or Precast RCC wall under present scope along the property line of complete substation area including future switchyard area to prevent encroachment and unauthorized access. Minimum height of the boundary wall shall be of 1.8 m from Finished Ground Level (FGL).

g) All electrical equipment shall be installed above the Highest Flood Level and where such equipment is not possible to be installed above Highest Flood Level, it shall be ensured that there is no seepage or leakage or logging of water.

h) As per CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations 2022/CEA Manual on Transmissions Planning criteria 2023, line approaching substation shall normally be perpendicular to the substation boundary for a stretch of 2-3 km. Accordingly, TSP shall ensure that line terminations at substations are arranged in a manner to avoid hindrance to future line terminations at the substations.

B.5 EXTENSION OF EXISTING SUBSTATION

The following drawings/details of existing substation are attached with the RfP documents for further engineering by the bidder.

Sl. No.	Drawing Title	Drawing No./Details	Rev. No.
A.	**400/220 kV Neemuch PS**		
1.0	Single Line Diagram	TB-1-418-316-001	02
2.0	General Arrangement	TB-1-418-316-001A	06
3.0	Earthmat Layout	TB-1-418-316-006	01
4.0	Visual Monitoring System		
5.0	Bus Bar Protection	GE Make	
6.0	Substation Automation System (SAS)	NEEMUCHS/S-SAS-ARCHITECTURE DRGS	04
B.	**400 kV Pachora PS**		
1.0	Single Line Diagram	REC/URJA/E-SYD-DRG/SLD-001	01
2.0	General Arrangement	-	
3.0	Earthmat Layout	-	
4.0	Visual Monitoring System	-	
5.0	Bus Bar Protection	-	

Sl. No.	Drawing Title	Drawing No./Details	Rev. No.
6.0	Substation Automation System (SAS)	-	
C.	**400 kV Rajgarh SS**		
1.0	Single Line Diagram	C/ENGG/WR/RAJGARH-EXTN/ICT-4/SLD	0
2.0	General Arrangement	C/ENGG/WR/RAJGARH-EXTN/ICT-4/GA	0
3.0	Earthmat Layout	J-796/RAJGARH/E-DRD/EARTHMAT/PLAN/007	R1
4.0	Visual Monitoring System	Bidder may visit site for existing details.	
5.0	Bus Bar Protection	Make : ABB (HITACHI) Model: REB500	
6.0	Substation Automation System (SAS)	Make : ABB Model: MICROSCADA	

Note: The existing drawings provided above and in subsequent amendments to the RfP are as received from the developer of existing substation and provided only for reference. Bidders shall follow the RfP for scope of work. Actual site conditions may be different due to other schemes being executed or subsequent revisions by the developer. Therefore, Bidders are advised to visit the substation sites and acquaint themselves with the actual site conditions, layout, topography, infrastructure such as the requirements of roads, cable trench, drainage, boundary etc. and also the design philosophy.

LOCATION DETAILS OF EXISTING / UNDER CONSTRUCTION SUBSTATIONS

400/220 kV Pachora PS: 23°43'35.66"N, 76° 7'4.03"E

400/220 kV Neemuch PS: 25° 1'32.76"N, 75°13'41.27"E

400/200kV Rajgarh S/S: 22°40'56"N, 74°55'29"E

Note: *The above coordinates/location of substation indicated is approximate in the substation area. Exact coordinates for the corresponding bays/gantry for termination of the respective line may be verified & finalized in coordination with actual site.*

SPECIFIC TECHNICAL REQUIREMENTS FOR COMMUNICATION

The communication requirement shall be in accordance to CEA (Technical Standards for Communication System in Power System Operations) Regulations, 2020, CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2022, CERC (Communication System for inter-State transmission of electricity) Regulations, 2017, CEA (Cyber Security in Power Sector) Guidelines, 2021, and CERC Guidelines on "Interface Requirements" 2024, all above documents as amended from time to time.

The complete ISTS communication system commissioned by TSP under the RfP shall be the asset of ISTS and shall be available for usage of ISTS requirements as suggested by CTU from time to time.

The communication services viz. SCADA, AGC (wherever applicable), VoIP, AMR and PMU have been identified as critical services and therefore shall be provisioned with 2+2 redundancy i.e. 2 channels for Main Control Centre and 2 channels for Backup Control Centre. In order to meet this requirement, suitable redundancy at port and card level need to be ensured by the TSP to avoid any single point of failure which may lead to interruption in real-time grid operation.

PMU to PDC communication (wherever required) shall be through 2 channels to the PDC (main) as there is no backup PDC at present.

Accordingly, all the hardware for communication services of station as stated above shall support dual redundancy for data transmission of station to respective main and backup RLDCs.
In order to meet the requirement for grid management and operation of substations, Transmission Service Provider (TSP) shall provide the following:

C.1.0 Pachora PS – Rajgarh(PG) 400 kV D/Cline (Quad ACSR/ AAAC/ AL59 Moose equivalent).

On Pachora PS – Rajgarh(PG) 400 kV D/CC line, TSP shall supply, install & commission One (1) No. OPGW cable containing 48 Fibres (48F) on one E/W peak and conventional earth wire on other E/W peak.

The TSP shall install this OPGW from gantry of **Pachora PS** up to the gantry of **Rajgarh (PG)** with all associated hardware including Vibration Dampers, mid-way & gantry Joint Boxes (called **OPGW Hardware** hereafter) and finally terminate in Joint Boxes at end Substations. The transmission line length is **180 kms** (approx.) where repeater is not required to meet link budget requirement of **Pachora PS – Rajgarh(PG)** link. However after survey link length may exceed to 220 kms. To meet link budget requirement of Pachora PS – Rajgarh(PG) link (including service loops and sag etc.) 1 set of FOTE at repeater station to be provided by TSP.

TSP shall finalize the location of repeater station depending upon the actual site conditions. Further TSP shall comply to the requirements mentioned as per **Appendix-F.1**

Maintenance of OPGW Cable, OPGW Hardware & repeater equipment & items associated with repeater shelter shall be the responsibility of TSP.

C.2.0 2 Nos. of 400 kV lin

bays at Pachora PS for termination of Pachora PS – Rajgarh(PG) 400 kV DC line.

C.3.0 2 Nos. of 400 kV line bays at Pachora PS for termination of Pachora PS – Neemuch PS 400 kV D/C line.

C.4.0 2 Nos. of 400 kV line bays at Pachora PS for termination of Pachora PS – Handiya 400 kV D/C line.

C.5.0 3 nos. 220kV line bays for RE interconnection on Bus Section (3rd)

C.6.0 1 No. 220 kV line bay for RE Interconnection of Purvah Green Power Pvt. Ltd. on Bus Section (3rd)

(I) TSP shall supply, install & commission one or more no. FODP (336F or higher) alongwith panel and required Approach Cables (48F/24F) with all associated hardware fittings from gantry tower to Bay Kiosk and from the Bay Kiosk to Control room.

(II) TSP shall supply, install & commission One or more STM-16 (FOTE) equipment alongwith panel/s supporting minimum **Nine (9)** directions with Multiplex Section Protection – 1+1 (MSP)with necessary interfaces to meet the voice and data communication requirement among **Pachora PS, Rajgarh (PG), M/s Purvah Green Power and upcoming RE generators.** S/s. These directions shall exclude protected (1+1) local patching among equipment (if any). The suitable DC Power Supply and backup to be provided for communication equipment.

(III) FOTE/FODP panel shall be installed in the new Bay Kiosk/ Switchyard Panel Room (SPR). The FOTE under present scope shall be integrated by TSP with the existing FOTE at control room of **Pachora PS** which shall be communicating with respective control center. TSP to provide necessary FODP sub rack / Splice trays/ Patch cords etc. and optical interfaces/equipment in the existing FOTE/FODP panels in control room for integration with the existing FOTE for onwards data transmission.

In case spare optical direction is not available in the existing FOTE at the control room, the TSP shall coordinate with station owner to reconfigure the directions in existing FOTE at control room. Alternatively, The TSP

may integrate the FOTE under the present scope with existing FOTE in the nearby Kiosk connected to the control room FOTE (if available with spare direction). For this purpose, TSP shall provide necessary FODP sub rack / Splice trays/ Patch cords etc. and suitable optical interfaces/ equipment in the existing FOTE/FODP panels in another Kiosk (SPR).

(IV) FOTE & FODP can be accommodated in same panel to optimize space.

(V) The new communication equipment under the present scope shall be compatible for integration with existing regional level centralized NMS. The local configuration of the new communication equipment shall be the responsibility of TSP. The configuration work in the existing centralized NMS for integration of new Communication equipment shall be done by Regional ULDC Team, however all the necessary support in this regard shall be ensured by TSP.

The maintenance of all the communication equipment and software thereof including FOTE, PMU, FODP, approach cable, DCPS along with Battery Bank shall be the responsibility of TSP.

C.7.0 2 Nos. of 400 kV line bays at Rajgarh (PG) for termination of Pachora PS – Rajgarh (PG) 400 kV D/C line.

(I) TSP shall supply, install & commission one or more no. FODP (144F or higher) along with panel and required Approach Cables (48F) with all associated hardware fittings from gantry tower to Bay Kiosk and from the Bay Kiosk to Control room.

(II) TSP shall supply, install & commission One STM-16 (FOTE) equipment alongwith panel/s supporting minimum **three (3)** directions with MSP (Multiplex Section Protection – 1+1) with necessary interfaces to meet the voice and data communication requirement between **Pachora PS and Rajgarh (PG)** S/s. These directions shall exclude protected (1+1) local patching among equipment (if any). The suitable DC Power Supply and backup to be provided for communication equipment.

(III) FOTE/FODP panel shall be installed in the new Bay Kiosk/ Switchyard Panel Room (SPR). The FOTE under present scope shall be integrated by TSP with the existing FOTE at control room of **Rajgarh(PG)** S/s which shall be communicating with respective control center. TSP to provide necessary FODP sub rack / Splice trays/ Patch cords etc. and optical interfaces/equipment in the existing FOTE/FODP panels in control room for integration with the existing FOTE for onwards data transmission.

In case spare optical direction is not available in the existing FOTE at the control room, the TSP shall coordinate with station owner to reconfigure the directions in existing FOTE at control room. Alternatively, The TSP may integrate the FOTE under the present scope with existing FOTE in the nearby Kiosk connected to the control room FOTE (if available with spare direction). For this purpose, TSP shall provide necessary FODP sub rack / Splice trays/ Patch cords etc. and suitable optical interfaces/ equipment in the existing FOTE/FODP panels in another Kiosk (SPR).

(IV) FOTE & FODP can be accommodated in same panel to optimize space.

(V) The new communication equipment under the present scope shall be compatible for integration with existing regional level centralized NMS. The local configuration of the new communication equipment shall be the responsibility of TSP. The configuration work in the existing centralized NMS for integration of new Communication equipment shall be done by Regional ULDC Team, however all the necessary support in this regard shall be ensured by TSP.

The maintenance of all the communication equipment including FOTE, PMU, FODP, approach cable, DCPS alongwith Battery Bank shall be the responsibility of TSP.

C.8.0 Neemuch PS – Pachora PS 400 kV D/CC line (Quad ACSR/ AAAC/ AL59 Moose equivalent).

(I) On Pachora PS – Neemuch PS 400 kV D/c (Quad ACSR/ AAAC/ AL59 Moose equivalent) line, TSP shall supply, install & commission One (1) No. OPGW cable containing 48 Fibres (48F) on one E/W peak and conventional earth wire on other E/W peak.

(II) The TSP shall install this OPGW from gantry of Pachora PS up to the gantry of Neemuch PS with all associated hardware including Vibration Dampers, mid-way & gantry Joint Boxes (called OPGW Hardware hereafter) and finally terminate in Joint Boxes at end Substations. The transmission line length is 190 kms (approx.) where repeater is not required to meet link budget requirement of Pachora PS – Neemuch PS link. However, after survey link length may exceed to 220 kms. To meet link budget requirement of Pachora PS – Neemuch PS link (including service loops and sag etc.) 1 set of FOTE at repeater station to be provided by TSP.

(III) TSP shall finalize the location of repeater station depending upon the actual site conditions. Further TSP shall comply to the requirements mentioned as per **Appendix-F.1**

Maintenance of OPGW Cable, OPGW Hardware & repeater equipment & items associated with repeater shelter shall be the responsibility of TSP.

C.9.0 2 Nos. of 400 kV line bays at Neemuch PS for termination of Pachora PS – Neemuch PS 400 kV D/C line.

C.10.0 4 Nos. 220 kV Line bays at Neemuch PS for RE interconnection

(I) TSP shall supply, install & commission one or more no. FODP (240F or higher) alongwith panel and required Approach Cables (48F/24F) with all associated hardware fittings from gantry tower to Bay Kiosk and from the Bay Kiosk to Control room.

(II) TSP shall supply, install & commission One or more STM-16 (FOTE) equipment alongwith panel/s supporting minimum **Seven (7)** directions with MSP (Multiplex Section Protection – 1+1) with necessary interfaces to meet the voice and data communication requirement among **Pachora PS, Neemuch PS and upcoming RE generators.** S/s. These directions shall exclude protected (1+1) local patching among equipment (if any). The suitable DC Power Supply and backup to be provided for communication equipment.

(III) FOTE/FODP panel shall be installed in the new Bay Kiosk/ Switchyard Panel Room (SPR). The FOTE under present scope shall be integrated by TSP with the existing FOTE at control room of **Neemuch PS** which shall be communicating with respective control center. TSP to provide necessary FODP sub rack / Splice trays/ Patch cords etc. and optical interfaces/equipment in the existing FOTE/FODP panels in control room for integration with the existing FOTE for onwards data transmission.

In case spare optical direction is not available in the existing FOTE at the control room, the TSP shall coordinate with station owner to reconfigure the directions in existing FOTE at control room. Alternatively, The TSP may integrate the FOTE under the present scope with existing FOTE in the nearby Kiosk connected to the control room FOTE (if available with spare direction). For this purpose, TSP shall provide necessary FODP

sub rack / Splice trays/ Patch cords etc. and suitable optical interfaces/ equipment in the existing FOTE/FODP panels in another Kiosk (SPR).

(IV) FOTE & FODP can be accommodated in same panel to optimize space.

(V) The new communication equipment under the present scope shall be compatible for integration with existing regional level centralized NMS. The local configuration of the new communication equipment shall be the responsibility of TSP. The configuration work in the existing centralized NMS for integration of new Communication equipment shall be done by Regional ULDC Team, however all the necessary support in this regard shall be ensured by TSP.

The maintenance of all the communication equipment and software thereof including FOTE, PMU, FODP, approach cable, DCPS alongwith Battery Bank shall be the responsibility of TSP.

C.11.0 Establishment of 2x500 MVA, 400/220 kV S/s at Handiya alongwith 2x125MVAr 420 kV Bus Reactors.

(I) TSP shall supply, install & commission One or more no. FODP (336F or higher) alongwith panel and required approach Cables (48F/24F) with all associated hardware fittings from gantry tower to Control Room for all the incoming lines envisaged under the present scope.

(II) TSP shall supply, install & commission One or more STM-16 (FOTE) equipment alongwith panel/s supporting minimum **Eleven (11)** directions with MSP (Multiplex Section Protection – 1+1). These directions shall exclude protected (1+1) local patching among equipment (if any). Communication Equipment shall be provided with necessary interfaces to meet the voice and data communication requirement among **Handiya, Itarasi (PG), Khandwa (PG), Pachora PS and upcoming LILO of 220kV MPPTCL lines**. The suitable DC Power Supply and backup to be provided for communication equipment.

(III) FODP & FOTE equipment with panels shall be provided in Control Room of **Handiya S/s**. FOTE & FODP Eq can be accommodated in same panel to optimize space.

(IV) The new communication equipment under the present scope shall be compatible for integration with existing regional level centralized NMS. The local configuration of the new communication equipment shall be the responsibility of TSP. The configuration work in the existing

centralized NMS for integration of new Communication equipment shall be done by Regional ULDC Team, however all the necessary support in this regard shall be ensured by TSP.

(V) TSP shall supply, install & commission Firewall in redundant mode (1+1) in line with the specification attached at **Annexure F.1**.

(VI) The maintenance of all the communication equipment and software thereof including FOTE, FODP, approach cable, PMU, DCPS alongwith Battery Bank & Firewall shall be the responsibility of TSP.

C.12.0 Pachora PS – Handiya 400 kV D/C line (Quad ACSR/ AAAC/ AL59 Moose equivalent).

(I) On Pachora PS – Handiya 400 kV D/C (Quad ACSR/ AAAC/ AL59 Moose equivalent) line, TSP shall supply, install & commission One (1) no. OPGW cable containing 48 Fibres (48F) on one E/W peak and conventional earth wire on other E/W peak.

(II) The TSP shall install this OPGW from gantry of **Pachora PS** up to the gantry of **Handiya S/s** with all associated hardware including Vibration Dampers, mid-way & gantry Joint Boxes (called **OPGW Hardware** hereafter) and finally terminate in Joint Boxes at end Substations. The transmission line length is **190 kms** (approx.) where repeater is not required to meet link budget requirement of **Pachora PS – Handiya** link. However, after survey link length may exceed to 220 kms. To meet link budget requirement of Pachora PS – Handiya link (including service loops and sag etc.) 1 set of FOTE at repeater station to be provided by TSP.

(III) TSP shall finalize the location of the repeater station depending upon the actual site conditions. Further TSP shall comply to the requirements mentioned as per Appendix-F.1

(IV) Maintenance of OPGW Cable, OPGW Hardware & repeater equipment & items associated with repeater shelter shall be the responsibility of TSP.

C.13.0 LILO of Khandwa(PG) – Itarsi(PG) 400 kV D/C (Twin Moose) line at Handiya S/s .

On LILO of Khandwa(PG) – Itarsi(PG) 400 kV D/C(Twin Moose) line (length) at Handiya S/s , TSP shall supply, install & commission OPGW and earthwire as per Tower Configurations:

(i) For Multi Circuit Tower Configuration: Two (2) No. OPGW cable containing 24 Fibres (24F) to be installed & commissioned by the TSP on both the Earthwire peaks

(ii) For Double Circuit Tower configuration (for both Loop In and Loop Out portion): One (1) No. OPGW cable containing 24 Fibres (24F) on one earthwire peak & conventional earthwire on other E/W peak for both Loop In and Loop Out Lines.

The TSP shall install OPGW cables from gantry of **Handiya S/s** up to the LILO tower with all associated hardware including Vibration Dampers, mid-way & gantry Joint Boxes (called OPGW Hardware hereafter) and finally terminate in Joint Boxes at **Handiya S/s**. The LILO line length is **22 kms (approx.)** After LILO, fiber length for links Itarasi (PG) to Handiya and Handiya to Khandwa (PG) may exceed to 220 kms. To meet link budget requirement of Itarasi (PG) to Handiya and Handiya to Khandwa (PG) link (including service loops and sag etc.) 1 set of FOTE at repeater station to be provided by TSP.

TSP shall finalize the location of repeater station depending upon the actual site conditions. Further TSP shall comply to the requirements mentioned as per **Appendix-F.1**

Maintenance of OPGW Cable, OPGW Hardware & repeater equipment & items associated with repeater shelter shall be the responsibility of TSP.

C.14.0 Specific Requirement for Phasor Measurement Units (PMUs)

TSP shall supply, install & commission required No. of Phasor Measurement Units (PMUs) PMUs at all the locations under the scope of TSP under this RFP as per CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2022 (along with all amendments if any), and all the applicable Regulations, Standards, Guidelines issued time to time. The signal list shall be as per the Annexure-I Part-B of CERC Guidelines on "Interface Requirements" 2024. These PMUs shall be provided with GPS clock and LAN switch and shall connect with LAN switch of control room of respective substations/ generating stations with Fibre Optic cable. These PMUs shall be connected with the FOTE at Substation/ generating stations for onwards data transmission to the PDC (Phasor Data Concentrator) located at respective RLDC. Configuration work in existing PDC at RLDC for new PMU integration

shall be done by respective RLDC, however all the necessary support in this regard shall be ensured by TSP. The maintenance of all the PMUs and associated equipment shall be the responsibility of TSP.

Note: Existing Station owner/s to provide necessary support to integrate different equipment & applications of new extended bays with the existing substation e.g. Communication (through FOTE), Voice etc. for smooth operation and monitoring of new added grid elements.

Appendix-F.1

Repeater Requirements

- If the repeater location is finalized in the Control Room of a nearby substation, TSP shall provide 1 No. OPGW (96F/48F)as per OPGW in main line to accommodate all OPGW fibers of main line ,on a single Earthwire peak with OPGW Hardware & mid-way Joint Boxes etc. of the line crossing the main line and 1 no. Approach Cable (96F/48F)as per OPGW laid to accommodate all OPGW fibers of main line ,with all associated hardware fittings, to establish connectivity between crossing point of main transmission line up to the repeater equipment in substation control room.

  TSP shall co-ordinate for Space and DC power supply sharing for repeater equipment.

  TSP shall provide required FODP, FOTE (with STM-16 capacity) with suitable interfaces require for link budget of respective link.

  OR

- If the repeater location is finalized in the nearby substation premises, the TSP shall identify the Space for repeater shelter in consultation with station owner. Further TSP shall provide 1 No. OPGW (96F/48F) as per OPGW in main line to accommodate all OPGW fibers of main line, on a single Earthwire peak with OPGW Hardware & mid-way Joint Boxes etc. of the line crossing the main line and 1 No. Approach Cable (96F/48F)as per OPGW laid to accommodate all OPGW fibers of main line , with all associated hardware fittings, to establish connectivity between crossing point of main transmission line up to the substation where the repeater shelter is to be housed.

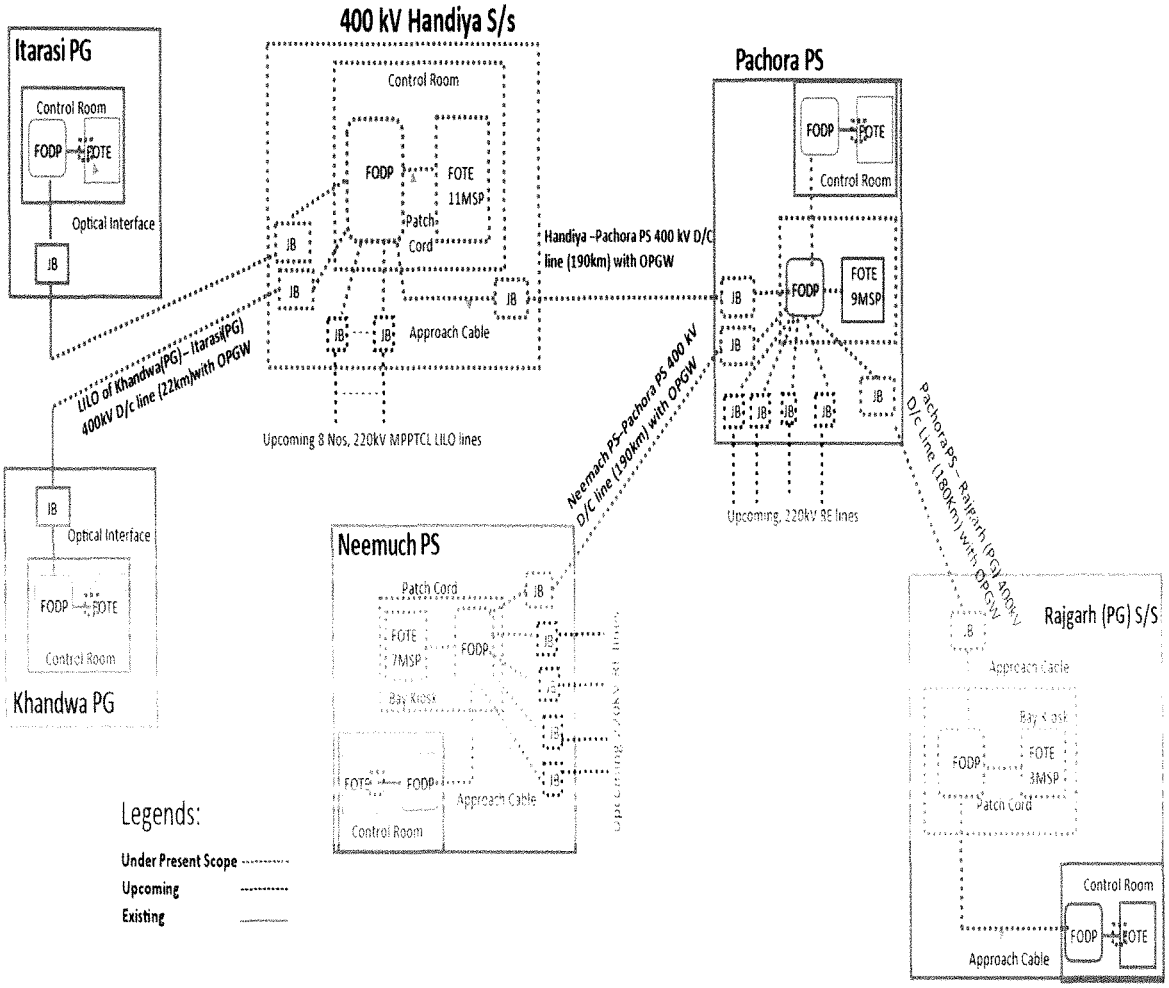
  TSP shall provide repeater shelter along with FODP, FOTE (with STM-16 capacity) with suitable interfaces require for link budget of respective link, reliable power supply provisioning for AC and DC supply, battery bank, Air Conditioner and other associated systems.

  OR

- If the repeater location is finalized on land near the transmission tower. TSP shall make the provisions for Land at nearby tower for repeater shelter. Further TSP shall provide required. Approach Cable (96F/48F)as per OPGW laid in main line to accommodate all OPGW fibers of main line,

with all associated hardware fittings to establish connectivity up to the location of repeater shelter.

Proposed Communication for Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II



TSP shall provide repeater shelter along with FODP, FOTE (with STM-16 capacity) with suitable interfaces require for link budget of respective link, reliable power supply provisioning for AC and DC supply, battery bank, Air Conditioner and other associated systems.

Maintenance of OPGW Cable and **OPGW Hardware**, repeater equipment & items associated with repeater shelter shall be responsibility of TSP.

Annexure-F.1

Next Generation Firewall (NGFW)

TSP shall provide 2 NGFW one in Main & another in Standby mode having electrical ethernet interfaces/ports and placed between FOTE & SAS gateway/s at the substation. All ethernet based applications shall be terminated in the firewall ports directly (e.g. PMU, AMR, VOIP, SAS/SCADA etc.). Each port of firewall shall work as a separate zone. Firewall shall be hardware based with features of Block/Allow/drop and IPSec VPN (network encryption).

The number of ports/interfaces in each firewall (i.e. Main & Standby) shall be minimum 16 nos. TSP shall provide either single firewall or multiple firewalls to meet this interfaces requirement, each for main as well as standby firewall. Minimum throughput of firewall shall be 300 Mbps.

The Firewall shall be managed/ configured as standalone at present and shall also have compatibility to manage/configure through Centralized Management Console (CMC) remotely in future.

Firewall shall be tested and certified for ISO15408 Common Criteria for least EAL4+. Further, the OEM must certify that it conforms to Secure Product Development Life Cycle requirements as per IEC62443-4-1. The firewall shall generate reports for NERC-CIP Compliance.

The specifications for the firewalls are given at **Annexure-F.2** and schematic diagram showing firewall placement given at **Figure F.2**.

Annexure F.2

Specifications of Next Generation Firewall (NGFW)

1. NGFW shall have following features including but not limited to:
Encryption through IPSec VPN (Virtual Private Network), Deep Packet Inspection (DPI), Denial of service (DoS) and Distributed Denial of Service (DDoS) prevention, Port Block/ Allow, rules/ policies for block/allow, IP (Internet Protocol) & Media Access Control (MAC) spoofing protection, threat detection, Intrusion Prevention System (IPS), Anti-Virus, Anti-Spyware, Man In The Middle (MITM) attack prevention.

2. The proposed firewall shall be able to handle (alert, block or allow) unknown
/unidentified applications e.g. unknown TCP & UDP packets. It shall have the provision to define application control list based on application group and/or list.

3. Firewall shall have feature and also have capability to update the definition/ Signatures of Anti-Virus online as well as offline. Firewall shall also be compatible to update the definitions/signatures through CMC. There shall be a defined process for security patching and firmware up-gradation. There shall be a feature to field validate firmware checksum. The same shall also be validated before using the OEM provided file/binary in the process of firmware up-gradation and security patching

4. Firewall shall have Management Console port to configure remotely.

5. Firewall shall be EMI/EMC compliant in Substation environment as per IEC 61850-3.

6. Firewall shall be rack mounted in existing standard equipment cabinets.

7. Firewall shall have support of SCADA applications (IEC-60870-5-104), ICCP, PMU (IEEE C37.118), Sub-Station Automation System (IEC 61850), Ethernet and other substation environment protocols.

8. Client based Encryption/ VPN must support different Operating System platforms e.g. Windows, Linux & Mac.

9. The solution must have content and comprehensive file detection policies, blocking the files as function of their types, protocols and directions.

10. Firewall shall have logging facility as per standard logs/events format. Firewall shall have features to export the generated/stored logs/events in csv (Comma Separated Value) and also any other standard formats for offline usage, analysis and compliance. Firewall shall have suitable memory architecture and solution to store and be enable to export all logs/events for a period of last 90 days at any given time.

11. Firewall shall have features and be compatible with local as well as central authentication system (RADIUS, LDAP, or TACACS+) for user account and access right management. It shall also have Role Based User management feature.

12. Firewall shall have the capability to configure sufficient number of VLANs.

13. Firewall shall have the capability to support sufficient number of sessions.

14. Firewall shall have provision to configure multiple IP Sec VPNs, at least 100 nos., (one-to-many or many-to-one). Shall support redundant operation with a similar router after creation of all the IP Sec VPN. IPSec VPN shall support encryption protocols as AES128, AES256 and hashing algorithms as MD5 and SHA1. IPSec VPN throughput shall support at least 300 Mbps

15. Firewall shall be capable of SNMP v3 for monitoring from Network Management system. It shall also have SNMPv3 encrypted authentication and access security

16. Firewall shall support in Active/Passive or Active-Active mode with High Availability features like load balancing, failover for firewall and IPsec VPN without losing the session connectivity.

17. Firewall should have integrated traffic shaping (bandwidth, allocation, prioritisation, etc.) functionality

18. Shall support simultaneous operation with both IPv4 and IPv6 traffic

19. Firewall shall be compatible with SNTP/NTP or any other standards for clock synchronization

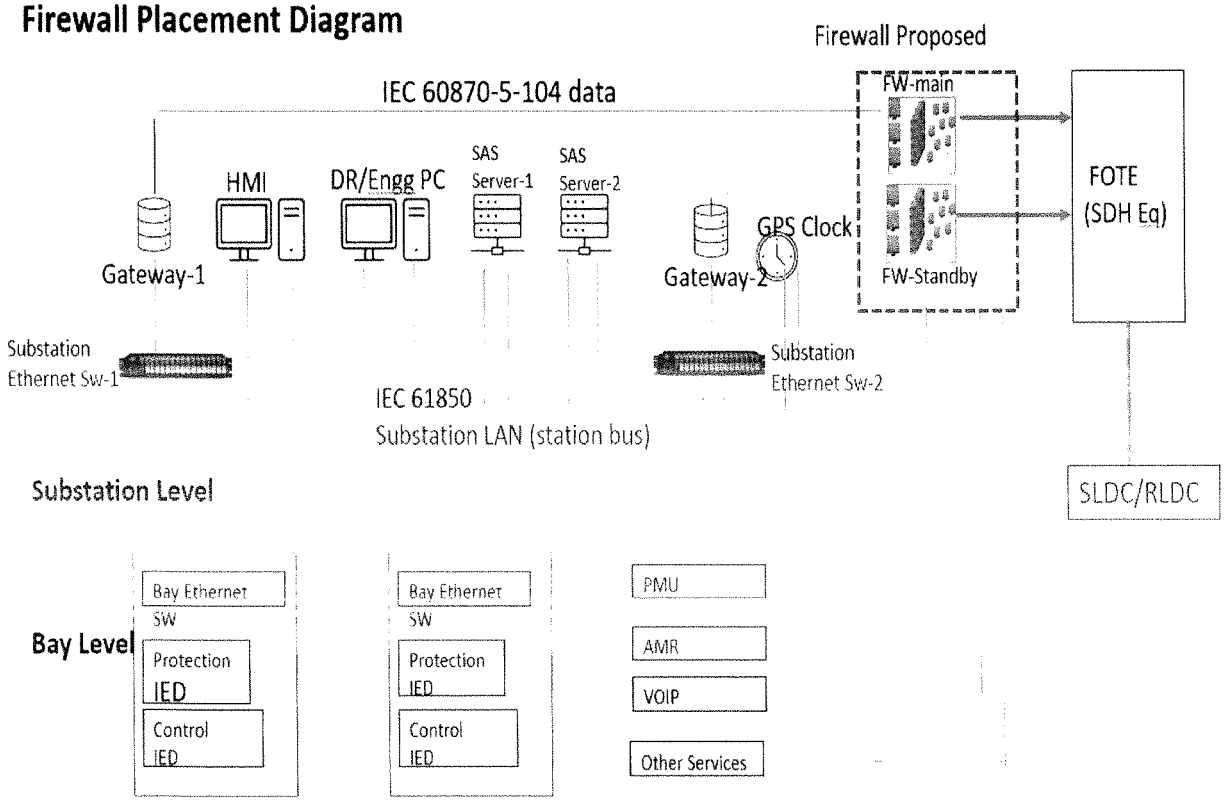
20. Firewall shall have the features of port as well as MAC based security

21. Firewall shall support exporting of logs to a centralized log management system (e.g. syslog) for security event and information management.

22. Firewall time shall be kept synchronised to official Indian Timekeeping agency, time.nplindia.org.

23. Firewall product shall be provided with all applicable updates at least until 36 months since the applicable date of product shipping to the concerned utility.

Firewall Placement Diagram



C.15.0 PLCC and PABX:

Power line carrier communication (PLCC) equipment complete for speech, tele-protection commands and data channels shall be provided on each transmission line. The PLCC equipment shall in brief include the following: -

- Coupling device, Coupling filters line traps, carrier terminals, protection couplers, HF cables, PABX (if applicable) and maintenance and testing instruments.
- At new substation, a telephone exchange (PABX) of 24 lines shall be provided at as means of effective communication among various buildings of the substation, remote end substations and with control centres (RLDC/ SLDC) etc.
- Coupling devices shall be suitable for phase-to-phase coupling for 400 kV Transmission lines. The pass band of coupling devices shall have sufficient margin for adding communication channel in future if required. Necessary protection devices for safety of personnel and low voltage part against power frequency voltages and transient over voltage shall also be provided.
- The line traps shall be broad band tuned suitable for blocking the complete range of carrier frequencies. Line Trap shall have necessary protective devices such as lightning arresters for the protection of tuning device. Decoupling network consisting of line traps and coupling capacitors may also be required at certain substation in case of extreme frequency congestion.
- The carrier terminals shall be of single side-band (SSB) amplitude modulation (AM) type and shall have 4 kHz band width. PLCC Carrier term
- nals and Protection couplers shall be considered for both ends of the line.
- PLCC equipment for all the transmission lines covered under the scheme shall be provided by TSP. PLCC to be provided for following lines are under present scope:

Sl. No	Line name	PLCC configuration
1	**Pachora PS Rajgarh(PG) 400 kV D/c line**	1 set Analog PLCC + 1 set Digital Protection Coupler for each circuit at both ends.
2	**Neemuch PS – Pachora PS 400 kV D/C line**	1 set Analog PLCC + 1 set Digital Protection Coupler for each circuit at both ends.
3	**Pachora PS – Handiya 400 kV D/C line**	1 set Analog PLCC + 1 set Digital Protection Coupler for each circuit at

Sl. No	Line name	PLCC configuration
		both ends.
4	**Khandwa- Handiya 400 kV D/C line (formed after LILO)**	1 set Analog PLCC + 1 set Digital Protection Coupler for each circuit at both ends.
5	**Handiya- Itarsi 400 kV D/C Line (formed after LILO)**	1 set Analog PLCC + 1 set Digital Protection Coupler for each circuit at both ends.

- Further, CVT and Wave trap for all 400 kV and 220 kV line bays under present scope shall be provided by TSP.
- All other associated equipment like cabling, coupling device and HF cable shall also be provided by the TSP.
- Two (2) sets of 48 V battery banks for PLCC and communication equipment shall be provided at each new Substation with at least 10-hour battery backup and extended backup, if required.

Annexure – E

SPECIFIC TECHNICAL REQUIREMENTS FOR INTEGRATION OF COMMUNICATION EQUIPMENT WITH REGIONAL LEVEL NMS / REGIONAL UNMS:

The new communication equipment/ system for all the substations under the present scope shall be compatible for integration with existing regional level NMS system/ Centralized Supervision and Monitoring System (CSMS) i.e. Regional UNMS. The local configuration of the new communication equipment at the station end shall be the responsibility of TSP as per **Annexure E.1**. The configuration work in the existing centralized NMS/ CSMS at Control center end, for integration of new Communication equipment/ system shall be done by Regional ULDC Team/ NMT, however all the necessary support in this regard shall be ensured by TSP.

Annexure – E.1

Requirement for integration of Communication Equipment with Regional UNMS:

1. TSP shall ensure that NMS/EMS/NE supplied by them is NBI compliant and all FCAPS functionality is supported in the NBI such as NE Inventory, Hardware Inventory – Shelf/Slot/Card/SFP/Port, Topology, Protections, Alarms, Performance- real time and periodic, Performance KPI parameters (E-1, STM, Ethernet) , Remote Configuration, Cross Connects, Trails and Circuits, Services Provisioning (NE), E-1 , STM, Ethernet , TX and RS Trace, loop back and details are published in the NBI guide for the configuration parameters.
2. TSP shall be obliged to provide/share all necessary documentations such as NBI Guide/MIB/IDL/WSDL/API files/ etc. for onward integration of their NMS/EMS/NE with regional UNMS.
3. The following support shall be provided by TSP for integration of their supplied equipment with regional UNMS:
   - Enabling and activating NBI license in their EMS/NMS and providing NBI login access along with User credentials
   - Assist in verifying NBI Connectivity with UNMS vendor for the successful communication and retrieval of data.
   - Assist in troubleshooting (if required) for NBI connectivity along with UNMS vendor for the communication and retrieval of data.
4. For standalone NE which is not integrated with any EMS/NMS, TSP shall provide modality of complete FCAPS data acquisition as above through industry standard programmatic methods and provide the CLI command manual.

Frequently Asked Queries:

1.0 Transmission Line:

1.1 Please clarify that whether shutdowns for crossing of existing transmission lines of POWERGRID/STUs/ Power Evacuation Lines from Generation Plants/ Any other Transmission Licensee will be given to TSP on chargeable basis or free of cost.

Reply: Shutdowns for crossing of existing transmission lines of POWERGRID/ STUs/ Power Evacuation Lines from Generation Plants/ Any other Transmission Licensee will be given to TSP by the concerned owner of the lines as per their own terms and conditions. As far as shutdown of ISTS lines are concerned the same can be availed by approaching respective Regional Power Committee.

1.2 We understand that the suggested swing angle criteria are applicable for Suspension Insulator in Suspension Tower. Further, you are requested to provide similar swing angle and clearance criteria for Pilot Insulator with Jumper and Jumper.

Reply: It is clarified that the swing angle criteria (as mentioned in RFP) for transmission lines is applicable for Suspension Insulator in Suspension Tower. Further, as per Clause 3.0 of Specific Technical Requirements for transmission lines, Transmission service Provider (TSP) shall adopt any additional loading/design criteria for ensuring reliability of the line, if so desired and /or deemed necessary.

1.3 We request you to kindly allow that use of diamond configuration at Power line crossings and the existing owner of the lines may be directed to allow the same for the successful bidders.

Reply: Power line crossing including Diamond configuration is responsibility of the TSP. TSP shall formally submit the profile of the crossing section to the owner of the existing line suggesting proposed crossing alternatives. The crossing will have to be carried out as per approval of owner of the existing line.

1.4 It is requested you to kindly provide present status of Forest Clearances

if any transmission line corridor area falling in wildlife forest / reserve forest/ mangroves.

Reply: Based on the preliminary route survey, the process of initiation of forest clearance for the forest stretches, if any, enroute the proposed line alignment will be initiated by way of writing letters to the concerned authority (ies). However, it may be noted that it will be the responsibility of TSP for obtaining forest clearance for the forest stretches as provided in the survey report and also for any forest area encountered during detailed survey.

1.5 For transmission line, no special requirement is specified for type of Insulator and creepage in RFP document. Hence it is understood that bidder can decide the type of insulator along with creepage requirement based on general CEA regulations and relevant standards. Kindly confirm.

Reply: The minimum specific creepage distances shall be decided for the pollution condition in the area of installation. It shall be as per CEA regulations and relevant standards.

2.0 Substation

2.1 We understand that space for storage of O&M spare shall be provided by existing owner within the station boundary without any cost. Kindly confirm.

Reply: Space for storage of O&M spares shall be arranged by TSP on its own.

2.2 We presume that the O&M for the end Termination bays will be in the scope of the TSP and TSP shall not be liable for any payment towards O&M to the existing owner of the substation. Kindly confirm.

Reply: Operation and maintenance of the bays is solely responsibility of the TSP. Further, TSP shall follow CEA's "Operation and Maintenance (O&M) guidelines and Standard Format for Memorandum of Understating between New TSP and Existing TSP" issued by CEA vide its letter No. I/28514/2023 dated 22.06.2023.

2.3 With reference to subject scheme of existing sub-station, we assumed following scope of work:

(a) We assumed internal road is available and need not to consider in the present scope of work.

(b) Drainage is available and need not to consider in the present scope of work.

(c) Cable trench extension in adjacent to Main cable trench only under present scope of work.

(d) Levelled area being provided by developer for bay extension.

Reply: Regarding requirement of internal road, drainage, cable trench, leveling of the bay extension area, bidder is advised to visit site and acquaint themselves with the provisions/facilities available at substation.

2.4 Kindly provide the soil investigation report of soil parameters of existing substation.

Reply: Bidder is advised to visit the substation site and ascertain the requisite parameters.

2.5 Kindly confirm, energy accounting of aux. power consumption. Whether it will be on chargeable basis or part of transmission loss.

Reply: It will be on chargeable basis.

2.6 We understand that VMS requirement is for unmanned stations only. For Manned stations VMS is not compulsory.

Reply: VMS shall be provided in line with requirements of RfP document.

2.7 It is understood that Construction water and power shall be provided free of cost to TSP by respective substation owner for construction of new bays.

Reply: Arrangement of construction power and water is in the scope of TSP.

2.8 It is understood that existing fire hydrant system shall be extended by the TSP for bay extension.

Reply: Existing fire hydrant system shall be extended from existing system (if required)

2.9 Please clarify that Status of land acquisition for Substations. Whether the lands have been acquired by BPC and will be transferred to TSP.

Reply: The acquisition of land for substation is in the scope of TSP.

2.10 We understood that no any dedicated metering CT and CVT required for Line/feeders. Further, we understood that requisite Energy meters for various 765 kV, 400 kV and 220 kV Feeders shall be provided and installed by CTU free of cost to TSP.

Reply: Dedicated metering CT and CVT are not required for line/feeders. Metering core of existing CT/CVT can be used provided accuracy class is matching with metering requirement. Requisite Special Energy Meters shall be provided and installed by CTU at the cost of TSP in C&P panel subject to space availability, else, in separate metering panel (to be provided by TSP at its cost).

2.11 A draft copy of the Connection Agreement may be furnished. A draft copy of the Connection Agreement may be furnished.

Reply: Web page link https://www.ctuil.in/formats_gna_transition

2.12 Please clarify whether the spare 765 kV single phase Reactor unit for Bus reactor shall be provided with 1ph 765 kV CB.

Reply: As per RfP, the spare 1-Ph reactor unit shall be utilized for all the bus and switchable line reactor banks (including for future reactor banks). Hence, 1ph 765 kV CB shall also be provided with spare 1-Ph reactor for utilizing with bus reactor as well as switchable line reactor.

2.13 It is understood that existing busbar protection have provision for future bays and also PUs are available for future bays. BPC to confirm availability of CU and PU for bays under present scope of work at existing substations. BPC may kindly confirm availability of communication ports for integrating new PUs with the existing CUs at existing substations.

Reply: Bus Bar Protection with Central Unit (CU) is required for new bus section as specified in RfP. Peripheral Units (PUs) shall be provided by the respective bay owner. Further, augmentation/replacement of existing CU, if required, to meet the system requirement shall also be provided for proper functioning of bus bar protection.

2.14 For SCADA, it is understood that necessary process I/O shall be available for future bays and accordingly license for same. BPC to confirm.

Reply: Necessary process I/O along with license shall be in the scope of the successful bidder.

2.15 No separate FF system is envisaged under the present scope of work for

existing substation. BPC to confirm.

Reply: Existing fire-fighting systems shall be extended to meet the additional requirements under present scope.

2.16 PLCC for 220 kV Lines are not under the scope of TSP. BPC to Confirm.It is requested to provide Type of Coupling for 220 kV Transmission Lines under present scope.

Reply: PLCC for 220 kV line is in the scope of developer of the line.

Inter circuit coupling for 220 kV D/C and phase to phase coupling for 220 kV S/C shall be applicable for PLCC.

2.17 BPC is requested to confirm the availability of space in the existing control rooms at existing substation for execution of extension work under current project.

Reply: Switchyard Panel Rooms are generally required for AIS type substation and relay room are required for GIS type substation. Further, if needed, control room shall be augmented as per requirement.

3.0 Communication

3.1 What is the usage of OPGW, FOTE, PMU etc. under communication requirement of RfP?

Reply: User shall be responsible for providing compatible equipment along with appropriate interface for uninterrupted communication with the concerned control center and shall be responsible for successful integration with the communication system provided by CTU.

Communication systems e.g. OPGW, FOTE etc. and PMU are required for grid operation through RLDC/SLDC, speech communication, tele-protection and tele-metering.

3.2 Is space for installation of communication panels are provided to TSP in existing Substations incase new bays are in the scope of TSP?

Reply: The space related issues are deliberated in the RFP itself. TSP to install FOTE/FODP panels in the new Bay Kiosk (Switchyard Panel Room (SPR)) / Bay Kisok/ Relay Panel Room (in case of GIS S/s). Further, TSP to connect and integrate the proposed

FOTE with the existing FOTE in the control room to complete communication path upto RLDC.

In Case 132 kV Substation TSP shall accommodate the said panels either by extension of existing control room or other arrangements.

3.3 How is the OPGW laying done in case of LILO lines?

Reply: In case LILO lines are on same towers (e.g. both Line in and Line Out portion are on same towers, generally done LILO of S/C lines). Then 2x24F OPGW shall be required to install by TSP on both earthwire peak on 400 kV and 765 kV lines where two E/W peaks are available. On 220 kV and 132 kV lines where only one E/W peak is available TSP to install one No. 48F OPGW.

Incase LILO lines are on different towers (e.g. both Line In and Line Out portion are on different towers, generally done LILO of D/C lines). Then 1x24F OPGW shall be required to install by TSP on one earthwire peak and conventional earthwire on second earthwire peak, on both Line In and Line Out portion towers of 400 kV and 765 kV lines. On 220 kV and 132 kV lines where only one E/W peak is available TSP to install one No. 24F OPGW in place of conventional earthwire.

3.4 How is the OPGW laying done in case Multi circuit Towers?

Reply: In case two different lines are using common multi circuit portion for some distance (originating from different stations, may be terminating on same or on different stations). Two No. 24F OPGW to be installed on both E/W peaks for common M/C portion of 765 kV and 400 kV lines.

Incase 220/132 kV lines using multi circuit portion where single E/W peak is available one No. 48F may be installed for common multi circuit portion.

3.5 How PMUs are integrated for new bays at existing Substations?

Reply: PMU data of new bays to be provided in the ethernet port of switch at control room and thereafter to be connected with existing FOTE of existing substation to send data to PDC of RLDC by TSP. These PMUs shall be provided with GPS clock and LAN switch and shall connect with LAN switch of control room of respective substations with Fibre Optic cable.

3.6 Is Spare direction available in existing FOTE for integration with new

CENTRAL TRANSMISSION UTILITY OF INDIA LTD.
New Delhi 110003

bay kiosk FOTE

Reply: The FOTE under present scope shall be integrated by TSP with the existing FOTE at control room of substation for onwards data transmission.

In case spare optical direction is not available in the existing FOTE at the control room, the TSP shall coordinate with station owner to reconfigure the directions in existing FOTE at control room.

3.7 What is the distance from LILO point to proposed substation for feasibility of repeater station?

Reply: Tentative Location of LILO point shall be as per survey report of BPC however exact location to be ascertained after detailed survey by TSP.

3.8 What is the make and model of existing OPGW in case LILO of main line at new substation?

Reply: All OPGW (alongwith optical fibers) meet Central Electricity Authority (Technical Standards for Communication System in Power System Operations) Regulations, 2020 and bidder shall install OPGW accordingly.

3.9 In the case of LILO of existing line at new substation who shall provide PMUs at existing substation bays?

Reply: TSP to provide PMUs for all bays under their scope of RfP.

4.0 Planning:

4.1 Whether the Project/ Elements are eligible for early commissioning incentive as per MoP, GoI order dated 15.07.2015.?

Reply: Commissioning is to be done as per the timeline mentioned in RfP. However, early commissioning shall be treated as per applicable CERC Regulations/orders.

Schedule: 2

Scheduled COD

[Note: As referred to in the definition of "Element", "Scheduled COD", and in Articles 3.1.3 (c), 4.1 (b) and 4.3 (a) of this Agreement]

Sl. No.	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
1.	Creation of New 220 kV Bus Section (3rd) with 220 kV Bus Sectionaliser and 400/220 kV, 3x500 MVA ICT augmentation (7th, 8th & 9th) at Pachora PS terminated on 220 kV Bus Section (3rd)	24 months from effective date as per TSA (29.09.2027)	5.04%	Elements at Sl. No.1, 2a,3 and 4 are pre-required for declaring the commercial operation (COD)
2.	2a. 3 Nos. 220 kV line bays for RE interconnection on Bus Section (3rd)		0.48%	
	2b. 1 No. 220 kV line bay for RE Interconnection of Purvah Green Power Pvt. Ltd. on Bus Section (3rd)		0.16%	Elements at Sl. No. 2b can be commissioned separately subject to commissioning of elements at 1, 2a,3 and 4
3.	Pachora PS – Rajgarh(PG) 400 kV D/c line (Quad ACSR/ AAAC/		24.54%	Elements at Sl. No.1, 2a,3 and 4 are pre-required for declaring the

	AL59 Moose equivalent) along with associated line bays at both ends and 50 MVAr (Sw LR) on each ckt at both ends			commercial operation (COD)
4.	Installation of 1x125 MVAr, 420 kV bus reactor at Pachora PS (400 kV Bus Section-II)		0.86%	
5.	Creation of New 220 kV Bus Section-II at Neemuch PS with Augmentation of transformation capacity by 3x500 MVA, 400/220 kV ICTs (3rd, 4th and 5th) at Neemuch S/s along with associated bays.		5.04%	All Elements are required for declaring the commercial operation (COD) of the subject scheme
6.	4 Nos. 220 kV Line bays at Neemuch PS for RE interconnection		0.64%	
7.	Neemuch PS – Pachora PS 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) along associated Line bays and 50 MVAr Switchable Line Reactor (Sw LR) on each ckt at both ends		26.26%	
8.	Establishment of 2x500 MVA, 400/220 kV S/s at		7.41%	

	Handiya alongwith 2x125 MVAr 420 kV Bus Reactors			
9.	Pachora PS – Handiya 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) along with associated bays at Pachora PS end and 50 MVAr Switchable Line Reactor (Sw LR) on each ckt at both ends		25.55%	
10.	LILO of Khandwa (PG) – Itarsi (PG) 400 kV D/c (Twin Moose) line at Handiya S/s		3.38%	
11.	Installation of 1x125 MVAr, 420 kV bus reactor (2nd) at Neemuch PS		0.64%	

The payment of Transmission Charges for any Element, irrespective of its successful commissioning on or before its Scheduled COD, shall only be considered after successful commissioning of the Element(s), which are prerequired for declaring the commercial operation of such Element as mentioned in the above table.

Scheduled COD for the Project is: As per detailed scope.

Schedule: 3

Safety Rules and Procedures

[Note: As referred to in Articles 5.6 of this Agreement]

1: **Site Regulations and Safety:**

The TSP shall establish Site regulations within sixty (60) days from fulfilment of conditions subsequent, as per Prudent Utility Practices setting out the rules to be observed till expiry of the Agreement at the Site and shall comply therewith.

Such Site regulations shall include, but shall not be limited to, rules in respect of security, safety of the Project, gate control, sanitation, medical care, and fire prevention, public health, environment protection, security of public life, etc.

Copies of such Site regulations shall be provided to the Nodal Agency and the CEA for the purpose of monitoring of the Project.

2: **Emergency Work:**

In cases of any emergency, the TSP shall carry out all necessary remedial work as may be necessary.

If the work done or caused to be done by any entity , other than the TSP, the TSP shall, reimburse the actual costs incurred, to the other Party carrying out such remedial works.

3: **Site Clearance:**

In the course of execution of the Agreement, the TSP shall keep the Site reasonably free from all unnecessary obstruction, storage, remove any surplus materials, clear away any wreckage, rubbish and temporary works from the Site, and remove any equipment no longer required for execution of the Agreement. After completion of all Elements of the Project, the TSP shall clear away and remove all wreckage, rubbish and debris of any kind from the Site, and shall leave the Site clean and safe.

4: **Watching and Lighting:**

The TSP shall provide and maintain at its own expense all lighting, fencing, and watching when and where necessary for the proper construction, operation, maintenance / repair of any of the Elements of the Project, or for the safety of the owners and occupiers of adjacent property and for the safety of the public, during such maintenance / repair.

Schedule: 4

Computation of Transmission Charges

1.1 General

The Monthly Transmission Charges to be paid to the TSP for providing Transmission Service for any Contract Year during the term of the Agreement shall be computed in accordance with this Schedule and paid as per Sharing Regulations.

Illustration regarding payment of Transmission Charges under various scenarios (considering definitions of Contract Year, Expiry Date & Monthly Transmission Charges above) is as below: -

Illustration-1: In case the Project Elements achieve COD as per Schedule

Quoted Transmission Charges: **Rs. 140 Million**

Completion Schedule:

Element No.	Completion Schedule in Months	Scheduled CoD of the Element	Actual CoD of the Element	% Charges recoverable on Scheduled CoD of the Element
Element 1	28	1-Feb-2018	1-Feb-2018	25%
Element 2	38	1-Dec-2018	1-Dec-2018	75%

Tariff Payable as follows:

Transmission Charges for Element 1			**Transmission Charges for Element 2**		
1-Feb-18 to 31-Mar-18	140 X 25% X ((28+31)/365)	5.65		--	0.00
1-Apr-18 to 30-Nov-18	140 X 25% X (244/365)	23.39		--	0.00
1-Dec-18 to 31-Mar-19	140 X 100% X (121/365)				46.41
2	140 X 100% X 1				140
3	140 X 100% X 1				140
4	140 X 100% X 1				140
5	140 X 100% X 1				140
.....					
.....					
36 (1-Apr to 30-Nov)	140 X 100% X (244/365)				93.59

Illustration-2: In case of extension of Scheduled COD as per Article 4.4.1 & 4.4.2 of this Agreement

Quoted Transmission Charges: **Rs. 140 Million**

Completion Schedule:

Element No.	Completion Schedule in Months	Scheduled CoD of the Element	Actual CoD of the Element	% Charges recoverable on Scheduled CoD of the Element
Element 1	20	1-Feb-2018	1-Jul-2018	25%
Element 2	28	1-Oct-2018	1-Dec-2018	75%

Tariff Payable as follows:

Transmission Charges for Element 1			**Transmission Charges for Element 2**		
1-Feb-18 to 31-Mar-18	--	0.00		--	0.00
1-Apr-18 to 30-Jun-18	--	0.00		--	0.00
1-Jul-18 to 30-Nov-18	140 X 25% X (153/365)	14.67		--	0.00
1-Dec-18 to 31-Mar-19	140 X 100% X (121/365)				46.41
2	140 X 100% X 1				140
3	140 X 100% X 1				140
4	140 X 100% X 1				140
5	140 X 100% X 1				140
.....					
.....					
36 (1-Apr to 30-Nov)	140 X 100% X (244/365)				93.59

Illustration-3: In case of delay in achieving COD of Project & all individual Elements (COD of the Project achieved in Contract Year 1)

Quoted Transmission Charges: **Rs. 140 Million**

Completion Schedule:

Element No.	Completion Schedule in Months	Scheduled CoD of the Element	Actual CoD of the Element	% Charges recoverable on Scheduled CoD of the

				Element
Element 1	20	1-Feb-2018	1-Dec-2018	25%
Element 2	28	1-Oct-2018	1-Dec-2018	75%

Tariff Payable as follows:

Transmission Charges for Element 1			**Transmission Charges for Element 2**		
1-Feb-18 to 31-Mar-18	--	0.00		--	0.00
1-Apr-18 to 30-Sept-18	--	0.00		--	0.00
1-Oct-18 to 30-Nov-18	--	0.00	1-Oct-18 to 30-Nov-18	--	0.00
1-Dec-18 to 31-Mar-19	140 X 100% X (121/365)				46.41
2	140 X 100% X 1				140
3	140 X 100% X 1				140
4	140 X 100% X 1				140
5	140 X 100% X 1				140
.....					
.....					
36 (1-Apr to 30-Nov)	140 X 100% X (244/365)				93.59

Illustration-4: In case of delay in achieving COD of Project & all individual Elements (COD of the Project achieved in Contract Year other than Contact Year 1)

Quoted Transmission Charges: **Rs. 140 Million**

Completion Schedule:

Element No.	Completion Schedule in Months	Scheduled CoD of the Element	Actual CoD of the Element	% Charges recoverable on Scheduled CoD of the Element
Element 1	38	1-Oct-2019	1-May-2020	25%
Element 2	38	1-Oct-2019	1-May-2020	75%

Tariff Payment to be paid as:

Transmission Charges for Element 1			**Transmission Charges for Element 2**		
1-Oct-19 to 31-Mar-20	--	0.00	1-Oct-19 to 31-Mar-20	--	0.00
1-Apr-20 to 30-Apr-20	-	0.00	1-Apr-20 to 30-Apr-20	-	0.00
1-May-20 to 31-Mar-21	140 X 100% X (335/365)				128.49
2	140 X 100% X 1				140
3	140 X 100% X 1				140
4	140 X 100% X 1				140
5	140 X 100% X 1				140
.....					
.....					
36 (1-Apr to 30-Apr)	140 X 100% X (30/ 365)				11.51

Illustration5: In case of delay in achieving COD of Element but Project COD achieved on time

Quoted Transmission Charges: **Rs. 140 Million**

Completion Schedule:

Element No.	Completion Schedule in Months	Scheduled CoD of the Element	Actual CoD of the Element	% Charges recoverable on Scheduled CoD of the Element
Element 1	20	1-Feb-2018	1-Jul-2018	25%
Element 2	30	1-Dec-2018	1-Dec-2018	75%

Tariff Payable as follows:

Transmission Charges for Element 1			Transmission Charges for Element 2		
1-Feb-18 to 31-Mar-18	--	0.00		--	0.00
1-Apr-18 to 30-Jun-18	--	0.00		--	0.00
1-Jul-18 to 30-Nov-18	140 X 25% X (153/365)	14.67		--	0.00
1-Dec-18 to 31-Mar-19	140 X 100% X (121/365)				46.41
2	140 X 100% X 1				140
3	140 X 100% X 1				140
4	140 X 100% X 1				140
5	140 X 100% X 1				140
.....					
.....					
36 (1-Apr to 30-Nov)	140 X 100% X (244/365)				93.59

Illustration-6: In case of early commissioning of Project

Quoted Transmission Charges: **Rs. 140 Million**

Completion Schedule:

Element No.	Completion Schedule in Months	Scheduled CoD of the Element	Actual CoD of the Element	% Charges recoverable on Scheduled CoD of the Element
Element 1	38	1-Oct-2019	1-Jul-2019	25%
Element 2	38	1-Oct-2019	1-Jul-2019	75%

Tariff Payment to be paid as:

Transmission Charges for Element 1	**Transmission Charges for Element 2**	
1-July-19 to 31-Mar-20	140 X 100% X (274/365)	105.09
2	140 X 100% X 1	140
3	140 X 100% X 1	140
4	140 X 100% X 1	140
5	140 X 100% X 1	140
.....		
.....		
36 (1-Apr to 30-Jun)	140 X 100% X (91/365)	34.91

Illustration-7: In case of early commissioning of an element

Quoted Transmission Charges: **Rs. 140 Million**
Completion Schedule:

Element No.	Completion Schedule in Months	Scheduled CoD of the Element	Actual CoD of the Element	% Charges recoverable on Scheduled CoD of the Element
Element 1	38	1-Oct-2019	1-Apr-2019	25%
Element 2	38	1-Jul-2019	1-Jul-2019	75%

Tariff Payment to be paid as:

Transmission Charges for Element 1			**Transmission Charges for Element 2**		
1-Apr-2019 to 30-Jun-19	140 X 25% X (91/365)	8.72	1-Apr-2019 to 30-Jun-19	--	0.00
1-July-19 to 31-Mar-20	140 X 100% X (274/ 365)				105.09
2	140 X 100% X 1				140
3	140 X 100% X 1				140
4	140 X 100% X 1				140
5	140 X 100% X 1				140
.....					
.....					
36 (1-Apr-30-Jun)	140 X 100% X (91/365)				34.91

The Transmission Charges shall be payable on monthly basis as computed above.

1.2 Computation of Monthly Transmission Charges

The Monthly Transmission Charges for any month m in a Contract Year n shall be calculated as below:

For AC System:

a. If Actual Transmission System Availability for the month m of contract year n is greater than or equal to 98% and less than or equal to 98.5%;

Monthly Transmission Charges MTC(m) = Tmn *1

a. If Actual Transmission System Availability for the month m of contract year n exceeds 98.5% and less than or equal to 99.75%;

Monthly Transmission Charges MTC(m) = Tmn * (AA/ 98.5%)

c. If Actual Transmission System Availability for the month m of contract year n is greater than 99.75%;

Monthly Transmission Charges MTC(m) = Tmn * (99.75% / 98.5%)

d. If Actual Transmission System Availability for the month m of contract year n is less than 98%and greater than or equal to 95.00%;

Monthly Transmission Charges MTC(m) = Tmn * (AA/ 98%)

e. If Actual Transmission System Availability for the month m of contract year falls below 95%;

Monthly Transmission Charges MTC(m) = Tmn * (AA/ 98%) - 0.02 * (Tmn * (AA/ 95%)

For DC System:

a. If Actual Transmission System Availability for the month m of contract year n is greater than or equal to 95% and less than or equal to 96%;

Monthly Transmission Charges MTC(m) = Tmn *1

b. If Actual Transmission System Availability for the month m of contract year n exceeds 96% and less than or equal to 99.75%;

Monthly Transmission Charges MTC(m) = Tmn * (AA/ 96%)

c. If Actual Transmission System Availability for the month m of contract year n is greater than 99.75%;

Monthly Transmission Charges MTC(m) = Tmn * (99.75% / 96%)

d. If Actual Transmission System Availability for the month m of contract year n is less than 95% and greater than or equal to 92.00%;

Monthly Transmission Charges MTC(m) = Tmn * (AA/ 95%)

e. If Actual Transmission System Availability for the month m of contract year falls below 92%;

Monthly Transmission Charges MTC(m) = Tmn * (AA/ 95%) - 0.02 * (Tmn * (AA/ 92%)

where:

- AA is the actual Availability, as certified by RPC, as per procedure provided in Schedule 6.
- m is the month in Contract Year 'n'

- Tmn= Transmission Charges for the month 'm' in Contract Year 'n' = (=Transmission Charge/ no. of days in the Year n)* no. of days in month m

Provided, no Transmission Charges shall be paid during the period for which the RLDC has not allowed the operation of the Element/Project due to the failure of the TSP to operate it as per the provisions of the Grid Code.

1.3 RLDC Fee & Charges

The payment of RLDC fee & charges, in accordance with relevant regulations of CERC, shall be the responsibility of the TSP.

Schedule: 5

Quoted Transmission Charges

[Quoted Transmission Charges from Annexure - 21 of the RFP of the Selected Bidder to be inserted here]

[To be incorporated from the Bid of the Selected Bidder submitted during the e-reverse auction after its selection]

Quoted Annual Transmission Charges: Rs. 3670.73 Million

Proportionate Transmission Charges payable for each Element of the Project:

Sl. No.	Name of the Transmission Element	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
1.	Creation of New 220 kV Bus Section (3rd) with 220 kV Bus Sectionaliser and 400/220 kV, 3x500 MVA ICT augmentation (7th, 8th & 9th) at Pachora PS terminated on 220 kV Bus Section (3rd)	5.04%	Elements at Sl. No.1, 2a,3 and 4 are pre-required for declaring the commercial operation (COD)
2.	2a. 3 Nos. 220 kV line bays for RE interconnection on Bus Section (3rd)	0.48%	
	2b. 1 No. 220 kV line bay for RE Interconnection of Purvah Green Power Pvt. Ltd. on Bus Section (3rd)	0.16%	Elements at Sl. No. 2b can be commissioned separately subject to commissioning of elements at 1, 2a,3 and 4
3.	Pachora PS – Rajgarh(PG) 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) along with associated line bays at both ends and 50 MVAr (Sw LR) on each ckt at both ends	24.54%	Elements at Sl. No.1, 2a,3 and 4 are pre-required for declaring the commercial operation (COD)

4.	Installation of 1x125 MVAr, 420 kV bus reactor at Pachora PS (400 kV Bus Section-II)	0.86%	
5.	Creation of New 220 kV Bus Section-II at Neemuch PS with Augmentation of transformation capacity by 3x500 MVA, 400/220 kV ICTs (3rd, 4th and 5th) at Neemuch S/s along with associated bays.	5.04%	All Elements are required for declaring the commercial operation (COD) of the subject scheme
6.	4 Nos. 220 kV Line bays at Neemuch PS for RE interconnection	0.64%	
7.	Neemuch PS – Pachora PS 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) along associated Line bays and 50 MVAr Switchable Line Reactor (Sw LR) on each ckt at both ends	26.26%	
8.	Establishment of 2x500 MVA, 400/220 kV S/s at Handiya alongwith 2x125 MVAr 420 kV Bus Reactors	7.41%	
9.	Pachora PS – Handiya 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) along with associated bays at Pachora PS end and 50 MVAr Switchable Line Reactor (Sw LR) on each ckt at both ends	25.55%	
10.	LILO of Khandwa(PG) – Itarsi(PG) 400 kV D/c (Twin Moose) line at Handiya S/s	3.38%	
11.	Installation of 1x125 MVAr, 420 kV bus reactor (2nd) at Neemuch PS	0.64%	

Schedule: 6

Appendix IV of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations 2024

Procedure for Calculation of Transmission System Availability Factor for a Month

1. Transmission system availability factor for nth calendar month ("TAFPn") shall be calculated by the respective transmission licensee, verified by the concerned Regional Load Dispatch Centre (RLDC) and certified by the Member-Secretary, Regional Power Committee of the region concerned, separately for each AC and HVDC transmission system and grouped according to sharing of transmission charges. In the case of the AC system, transmission System Availability shall be calculated separately for each Regional Transmission System and inter-regional transmission system. In the case of the HVDC system, transmission System Availability shall be calculated on a consolidated basis for all inter-state HVDC systems.

2. Transmission system availability factor for nth calendar month ("TAFPn") shall be calculated by considering the following:

   i) **AC transmission lines**: Each circuit of AC transmission line shall be considered as one element;

   ii) **Inter-Connecting Transformers (ICTs):** Each ICT bank (three single-phase transformers together) shall form one element;

   iii) **Static VAR Compensator (SVC):** SVC, along with SVC transformer, shall form one element;

   iv) **Bus Reactors or Switchable line reactors:** Each Bus Reactors or Switchable line reactors shall be considered as one element;

   v) **HVDC Bi-pole links:** Each pole of the HVDC link, along with associated equipment at both ends, shall be considered as one element;

   vi) **HVDC back-to-back station:** Each block of the HVDC back-to-back station shall be considered as one element. If the associated AC line (necessary for the transfer of inter-regional power through the HVDC back-to-back station) is not available, the HVDC back-to-back station block shall also be considered unavailable;

   vii) **Static Synchronous Compensation ("STATCOM"):** Each STATCOM shall be considered as a separate element.

3. The Availability of the AC and HVDC portion of the Transmission system shall be calculated by considering each category of transmission elements as under:

TAFPn (in %) for AC system:

$$= \frac{(o \text{ X } AVo)+(p \text{ X } AVp) + (q \text{ X } AVq) + (r \text{ X } AVr)+(u \text{ X } AVu)}{(o + p + q + r+u)} \text{x} 100$$

Where,

o	=	Total number of AC lines.
AVo	=	Availability of o number of AC lines
p	=	Total number of bus reactors/switchable line reactors
AVp	=	Availability of p number of bus reactors/switchable line reactors
q1	=	Total number of ICTs
AVq	=	Availability of q number of ICTs
r	=	Total number of SVCs
AVr	=	Availability of r number of SVCs
u	=	Total number of STATCOM
AVu	=	Availability of u number of STATCOM

TAFMn (in %) for HVDC System:

$$= \frac{\sum_{x=1}^{s} Cxbp\ (act) \text{ X } AVxbp + \sum_{y=1}^{t} Cy\ (act)btb \text{ X } AVybtb}{\sum_{x=1}^{s} Cxbp + \sum_{y=1}^{t} Cybtb} \text{x} 100$$

Where

Cxbp(act)	=	Total actual operated capacity of xth HVDC pole
Cxbp	=	Total rated capacity of xth HVDC pole
AVxbp	=	Availability of xth HVDC pole
Cybtb(act)	=	Total actual operated capacity of yth HVDC back-to-back station block
Cybtb	=	Total rated capacity of yth HVDC back-to-back station block
AVybtb	=	Availability of yth HVDC back-to-back station block
s	=	Total no of HVDC poles
t	=	Total no of HVDC Back to Back blocks

4. The availability for each category of transmission elements shall be calculated based on the weightage factor, total hours under consideration and non-available hours for each element of that category. The formulae for calculation of the Availability of each category of the transmission elements are as per **Appendix-V**. The weightage factor for each category of transmission elements shall be considered as under:

    (a) For each circuit of the AC line – The number of sub-conductors in the line multiplied by ckt-km;

    (b) For each HVDC pole- The rated MW capacity x ckt-km;

    (c) For each ICT bank – The rated MVA capacity;

    (d) For SVC- The rated MVAR capacity (inductive and capacitive);

    (e) For Bus Reactor/switchable line reactors – The rated MVAR capacity;

    (f) For HVDC back-to-back stations connecting two Regional grids- Rated MW capacity of each block; and

    (g) For STATCOM – Total rated MVAR Capacity.

5. The transmission elements under outage due to the following reasons shall be deemed to be available:

    i. Shut down availed for maintenance of another transmission scheme or construction of new element or renovation/upgradation/additional capitalization in an existing system approved by the Commission. If the other transmission scheme belongs to the transmission licensee, the Member Secretary, RPC may restrict the deemed availability period to that considered reasonable by him for the work involved. In case of a dispute regarding deemed availability, the matter may be referred to the Chairperson, CEA, within 30 days.

    ii. Switching off of a transmission line to restrict over-voltage and manual tripping of switched reactors as per the directions of the concerned RLDC.

    iii. Shut down of a transmission line due to the Project(s) of NHAI, Railways and Border Road Organization, including for shifting or modification of such transmission line or any other infrastructure project approved by Ministry of Power. Member Secretary, RPC may restrict the deemed availability period to that considered reasonable by him for the work involved; Provided that apart from the deemed availability, any other costs involved in the process of such shutdown of transmission line shall not be borne by the DICs.

Provided that such deemed availability shall be considered only for the period for which DICs are not affected by the shutdown of such transmission line.

6. For the following contingencies, the outage period of transmission elements, as certified by the Member Secretary, RPC, shall be excluded from the total time of the element under the period of consideration for the following contingencies:

   i) Outage of elements due to force majeure events beyond the control of the transmission licensee. However, whether the same outage is due to force majeure (not design failure) will be verified by the Member Secretary, RPC. A reasonable restoration time for the element shall be considered by the Member Secretary, RPC, and any additional time taken by the transmission licensee for restoration of the element beyond the reasonable time shall be treated as outage time attributable to the transmission licensee. Member Secretary, RPC may consult the transmission licensee or any expert for estimation of reasonable restoration time. Circuits restored through ERS (Emergency Restoration System) shall be considered as available;

   ii) Outage caused by grid incident/disturbance not attributable to the transmission licensee, e.g. faults in a substation or bays owned by another agency causing an outage of the transmission licensee's elements, and tripping of lines, ICTs, HVDC, etc., due to grid disturbance. However, if the element is not restored on receipt of direction from RLDC while normalizing the system following grid incident/disturbance within reasonable time, the element will be considered not available for the period of outage after issuance of RLDC's direction for restoration;

   iii) The outage period which can be excluded for the purpose of sub-clause (i) and (ii) of this clause shall be declared as under:

   a. Maximum up to one month by the Member Secretary, RPC;

   b. Beyond one month and up to three months after the decision at RPC;

   c. Beyond three months by the Commission for which the transmission license shall approach the Commission along with reasons and steps taken to mitigate the outage and restoration timeline.

7. Time frame for certification of transmission system availability: (1) The following schedule shall be followed for certification of availability by the Member Secretary of the concerned RPC:
   - Submission of outage data along with documentary proof (if any) and TAFPn calculation by Transmission Licensees to RLDC/ constituents

– By the 5th of the following month;

- Review of the outage data by RLDC / constituents and forward the same to respective RPC – by 20th of the month;
- Issue of availability certificate by respective RPC – by the 3rd of the next month.

Appendix-V

FORMULAE FOR CALCULATION OF AVAILABILITY OF EACH CATEGORY OF TRANSMISSION ELEMENTS

For AC transmission system

AVo(Availability of o no. of AC lines) = $\frac{\sum_{i=1}^{o} Wi(Ti - TNAi)/Ti}{\sum_{i=1}^{o} Wi}$

AVq(Availability of q no. of ICTs) = $\frac{\sum_{k=1}^{q} Wk(Tk - TNAk)/Tk}{\sum_{k=1}^{q} Wk}$

AVr(Availability of r no. of SVCs) = $\frac{\sum_{l=1}^{r} Wl(Tl - TNAl)/Tl}{\sum_{l=1}^{r} Wl}$

AVp(Availability of p no. of Switched Bus reactors) = $\frac{\sum_{m=1}^{p} Wm(Tm - TNAm)/Tm}{\sum_{m=1}^{p} Wm}$

AVu(Availability of u no. of STATCOMs) = $\frac{\sum_{n=1}^{u} Wn(Tn - TNAn)/Tn}{\sum_{n=1}^{u} Wn}$

AV_{xbp}(Availability of an individual HVDC pole) = $\frac{(Tx - TN)}{Tx}$

AV_{ybtb} (Availability of an individual HVDC Back-to-back Blocks) = $\frac{(Ty - TNAy)}{Ty}$

For the HVDC transmission system

For the new HVDC commissioned but not completed twelve months;

For first 12 months: [(AV_{xbp} or AV_{ybb})x95%/85%], subject to a ceiling of 95%.

Where,

o	=	Total number of AC lines;
AVo	=	Availability of o number of AC lines;
p	=	Total number of bus reactors/switchable line reactors;
AVp	=	Availability of p number of bus reactors/switchable line reactors;
q	=	Total number of ICTs;
AVq	=	Availability of q number of ICTs;
r	=	Total number of SVCs;
AVr	=	Availability of r number of SVCs;.
U	=	Total number of STATCOM;
AVu	=	Availability of u number of STATCOMs;
W*i*	=	Weightage factor for *i*th transmission line;
W*k*	=	Weightage factor for *k*th ICT;
W*l*	=	Weightage factors for inductive & capacitive operation of *l*th SVC;
Wm	=	Weightage factor for mth bus reactor;
Wn	=	Weightage factor for nth STATCOM.

T*i*, , T*k*, T*l*,	The total hours of ith AC line, kth ICT, lth SVC, *m*th Switched Bus Reactor
T*m*, T*n*, T*x*, T*y*	& nth STATCOM, xth HVDC pole, yth HVDC back-to-back blocks during the period under consideration (excluding time period for outages not attributed to transmission licensee for the reasons given in Para 5 of the procedure)
T_{NAi} ,T_{NAk}	The non-availability hours (excluding the time period for outages not T_{NAi}, T_{NAm}, attributable to transmission licensee taken as deemed availability as T_{NAn}, T_{NAx}, T_{NAy} per Para 5 of the procedure) for ith AC line, *k*th ICT, lth SVC , *m*th Switched Bus Reactor, nth STATCOM, xth HVDC pole and ythHVDC back-to-back block.

Schedule: 7

Entire Bid (both financial bid and technical bid) of the Selected Bidder to be attached here

Bid Dated 04.07.2025 & 13.08.2025 shall be an integral part of this agreement.

Schedule: 8

Contract Performance Guarantee

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution. Foreign entities submitting Bids are required to follow the applicable law in their country.)

In consideration of the .....[Insert name of the SPV or Selected Bidder on behalf of the TSP, or Lead Member in case of the Consortium, with address] agreeing to undertake the obligations under the Transmission Service Agreement dated .....and the other RFP Project Documents and the Nodal Agency and the .....[Insert the name of the BPC], agreeing to execute the *RFP Project Documents* with the Selected Bidder, regarding setting up the Project, the ..... [Insert name and address of the bank issuing the guarantee and address of the head office] (hereinafter referred to as "Guarantor Bank") hereby agrees unequivocally, irrevocably and unconditionally to pay to ..... (being the Nodal Agency) at .....[Insert the Place from the address of the Nodal Agency indicated in the TSA] forthwith on demand in writing from the Nodal Agency or any Officer authorized by it in this behalf, any amount up to and not exceeding Rupees ..... Crores (Rs. .....) only [Insert the amount of the bank guarantee] on behalf of M/s. ..... [Insert name of the Selected Bidder or SPV].

This guarantee shall be valid and binding on the Guarantor Bank up to and including .....and shall not be terminable by notice or any change in the constitution of the Bank or the term of the Transmission Service Agreement or by any other reasons whatsoever and our liability hereunder shall not be impaired or discharged by any extension of time or variations or alternations made, given, or agreed with or without our knowledge or consent, by or between parties to the respective agreement.

Our liability under this Guarantee is restricted to Rs. ..... Crores (Rs. .....) only. Our Guarantee shall remain in force until ..... [Insert the date of validity of the Guarantee as per Article 3.1.2 of this Agreement]. The Nodal Agency, shall be entitled to invoke this Guarantee up to three hundred sixty five (365) days of the last date of the validity of this Guarantee.

The Guarantor Bank hereby expressly agrees that it shall not require any proof in addition to the written demand from ..... (in its roles as the Nodal Agency), made in any format, raised at the above mentioned address of the Guarantor Bank, in order to make the said payment to Nodal Agency.

The Guarantor Bank shall make payment hereunder on first demand without restriction or conditions and notwithstanding any objection by ..... [Insert name of the Selected Bidder], ... [Insert name of the TSP] and / or any other person. The Guarantor Bank shall not require Nodal Agency to justify the invocation of this BANK GUARANTEE, nor shall the Guarantor Bank have any recourse against Nodal Agency in respect of any payment made hereunder.

THIS BANK GUARANTEE shall be interpreted in accordance with the laws of India.

The Guarantor Bank represents that this BANK GUARANTEE has been established in such form and with such content that it is fully enforceable in accordance with its terms as against the Guarantor Bank in the manner provided herein.

THIS BANK GUARANTEE shall not be affected in any manner by reason of merger, amalgamation, restructuring, liquidation, winding up, dissolution or any other change in the constitution of the Guarantor Bank.

THIS BANK GUARANTEE shall be a primary obligation of the Guarantor Bank and accordingly Nodal Agency shall not be obliged before enforcing this BANK GUARANTEE to take any action in any court or arbitral proceedings against ..... [Insert name of the SPV] or the Selected Bidder, as the case may be, to make any claim against or any demand on ..... [Insert name of the SPV] or the Selected Bidder, as the case may be, or to give any notice to ..... [Insert name of the SPV] or the Selected Bidder, as the case may be, or to enforce any security held by the Nodal Agency or to exercise, levy or enforce any distress, diligence or other process against ..... [Insert name of the SPV] or the Selected Bidder, as the case may be.

The Guarantor Bank acknowledges that this BANK GUARANTEE is not personal to Nodal Agency and may be assigned, in whole or in part, (whether absolutely or by way of security) by Nodal Agency to any entity to whom the Nodal Agency is entitled to assign its rights and obligations under the Transmission Service Agreement.

The Guarantor Bank hereby agrees and acknowledges that Nodal Agency shall have a right to invoke this Bank Guarantee either in part or in full, as it may deem fit.

Notwithstanding anything contained hereinabove, our liability under this Guarantee is restricted to Rs. ..... Crores (Rs. .....) only and it shall remain in force until .....[Date to be inserted on the basis of Article 3.1.2of the Transmission Service Agreement], with an additional claim period of three hundred sixty five (365) days thereafter. This BANK GUARANTEE shall be extended from time to time for such period, as may be desired by ..... [Insert name of the Selected Bidder or Lead Member in case of the Consortium or SPV]. We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only if Nodal Agency serves upon us a written claim or demand.

In witness where of:

Signature .....

Name: .....

Power of attorney No.: .....

For:

..... [Insert Name of the Bank]

Banker's Seal and Full Address, including mailing address of the Head Office

SCHEDULE: 8A

(ISB for CPG)

FORMAT FOR SURETY INSURANCE CONTRACT

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution.

Foreign entities submitting Bids are required to follow the applicable law of India)

In consideration of the ..... [Insert name of the SPV or Selected Bidder on behalf of SPV or Lead Member in case of the Consortium, with address] (hereinafter referred to as the **'Principal Debtor'** for the purposes of this Surety Insurance Contract as provided in Section 126 of the Indian Contract Act, 1872) having been selected to undertake the Transmission Project on the terms and conditions contained in the Transmission Service Agreement dated ...../ to be executed as per the Model Transmission Service Agreement provided along with the Request for Proposal **('RFP')** and other RFP Project Documents, subject to the condition of providing a Performance Bank Guarantee or a Surety Insurance Contract guaranteeing/insuring the due performance of the obligations under the Transmission Service Agreement, to the Central Transmission Utility of India Limited **('CTUIL')** [herein after referred to as the Nodal Agency], the [Insert name and address of the Insurance Company issuing the Surety Insurance Contract and address of the head office] (hereinafter referred to as **"Surety")** hereby agrees unequivocally, irrevocably, absolutely and unconditionally, without demur, to pay to the Nodal Agency at [Insert Place and Address of the Nodal Agency indicated in Transmission Service Agreement, or to the designated Bank Account of the Nodal Agency, namely.....] forthwith on demand in writing from the Nodal Agency, or any Officer authorized by it in this behalf, intimated to the Surety at the address mentioned above, any amount as may be decided by the Nodal Agency not exceeding Rupees .....Crores (Rs.....) only [Insert the amount of the Surety Insurance Contract]

The Surety hereby acknowledges, accepts and confirms that the Surety has received from the Principal Debtor, by way of premium the entire consideration for the Surety to execute, in favour of the Nodal Agency, this Surety Insurance Contract, as extended by the Surety from time to time and assuming the obligation to pay to the Nodal Agency the amount in terms hereof, without any requirement for payment of any other consideration to the Surety by the Principal Debtor, or otherwise.

This Surety Insurance Contract shall be valid and binding on the Surety, as the principal obligation of the Surety to pay on demand by the Nodal Agency, and shall not be terminable by notice or any change in the constitution of the Surety or the term of the Transmission Service Agreement or by any other reasons whatsoever and the liability hereunder of the Surety shall not be impaired or discharged by any extension of time or variations or alternations made, given, or agreed (with or without the knowledge or consent of the Surety) by or between the Principal Debtor and the Nodal Agency.

The liability of the Surety under this Surety Insurance Contract is restricted to Rupees ..... Crores (Rs .....) only. The Surety Insurance Contract shall remain in force until [Insert the date of validity of the Surety Insurance Contract]. The Nodal Agency shall be entitled to invoke this Surety Insurance Contract up to three hundred

sixty five (365) days after the last date of the validity of this Surety Insurance Contract.

The Surety hereby expressly agrees that it shall not require any proof except for the written demand from the Nodal Agency, containing the statement that the contractor has failed to meet its contractual obligations faised at the above mentioned address of the Surety (address of Surety office should be a place in NCR only) and the Surety shall pay the amount without reference to the Principal Debtor.

Any such demand made by the Nodal Agency on the Surety shall be conclusive and binding not withstanding any difference between the Nodal Agency and the Principal Debtor or any dispute pending before any Court, Tribunal, Arbitrator or any other authority. The Surety undertakes not to revoke this guarantee during its currency without previous consent of the Nodal Agency and further agrees that the Surety Insurance Contract herein contained shall continue to be enforceable till the Nodal Agency discharges this contract or till the expiry of tenor(including Claim period) whichever is earlier.

The Surety shall make payment hereunder within two (02) working days on first demand without restriction or conditions and notwithstanding any objection by the Principal Debtor, namely, ... [Insert name of SPV], or ..... [Insert name of the Selected Bidder], or ..... [Insert name of the TSP] and/or any other person. The Surety shall not require the Nodal Agency to justify the invocation of this Surety Insurance Contract, nor shall the Surety have any recourse against the Nodal Agency in respect of any payment made hereunder.

This SURETY INSURANCE CONTRACT shall be interpreted in accordance with the laws of India.

This SURETY INSURANCE CONTRACT is being executed by the Surety in terms of the IRDAI (Surety Insurance Contract) Guidelines, 2022 and the Surety hereby acknowledges, accepts and confirms that this Surety Insurance Contract shall be a Contract of Guarantee as provided under Section 126 of the Indian Contract Act, 1872 and further shall be covered by Section 14(3)(b) of the Insolvency and Bankruptcy Code, 2016 (as amended) shall be enforceable as such.

The Surety represents that this Surety Insurance Contract has been established in such form and with such content that it is fully enforceable in accordance with its terms as against the Surety in the manner provided herein.

This SURETY INSURANCE CONTRACT shall not be affected in any manner by reason of merger, amalgamation, restructuring, liquidation, winding up, dissolution or any other change in the constitution of the Surety.

In order to give effect to this surety Bond, the Nodal Agency shall be entitled to act as if the surety insurer were the principal debtor and any change in the constitution of the contractor and/or the surety insurer, whether by their absorption with any other body or corporation or otherwise, shall not in any way or manner affect the liability or obligation of the surety insurer under this surety Bond.

This SURETY INSURANCE CONTRACT shall be a primary obligation of the Surety as a Principal to pay on demand by the Nodal Agency and the Nodal Agency shall not be obliged before enforcing this Surety Insurance Contract to take any action in any court or arbitral proceedings against the Principal Debtor, namely, ... [Insert name of SPV], or ..... [Insert name of the Selected Bidder], or ..... [Insert name of the TSP] and/or any

other person, as the case may be, to make any claim against or any demand on the Principal Debtor, namely, ... [Insert name of SPV], or ..... [Insert name of the Selected Bidder], or..... [Insert name of the TSP] and/or any other person, as the case may be, or to give any notice to Principal Debtor, namely..... [Insert name of SPV], or ..... [Insert name of the Selected Bidder], or..... [Insert name of the TSP] and/or any other person, as the case may be, or to enforce any security held by the Nodal Agency or to exercise, levy or enforce any distress, diligence or other process against the Principal Debtor, namely, ... [Insert name of SPV], or ..... [Insert name of the Selected Bidder], or ..... [Insert name of the TSP] and/or any other person, as the case may be.

The Surety acknowledges that this Surety Insurance Contract is not personal to the Nodal Agency and may be assigned, in whole or in part, (whether absolutely or by way of security) by Nodal Agency to any entity to whom the Nodal Agency is entitled to assign its rights and obligations under the Transmission Service Agreement Provided that any such assignment shall be in compliance with the relevant provisions of the Insurance Act 1938

The Surety hereby agrees and acknowledges that the Nodal Agency shall have a right to invoke this Surety Insurance Contract either in part or in full, as it may deem fit. In case of invocation of this Surety Insurance Contract in part, besides making payment for the part of Surety Insurance Contract invoked, surety at the request of nodal agency shall amend the value of Surety Insurance Contract to the extent of balance amount.

The Surety undertakes not to revoke this Surety Contract during its currency, except with the previous express consent of the Nodal Agency in writing and declares and warrants that it has the power to issue this Surety Contract and the undersigned has full powers to do so on behalf of the Surety

In witness where of:

Signature.....
Name: .....

Power of attorney No/ Employee No. as applicable. .....:

For:

..... [Insert Name of the Surety-Insurance Company]
Banker's Seal and Full Address, including mailing address of the Head Office

Notes:

1. The Stamp Paper should be in the name of the Executing Insurance Company.

SCHEDULE: 8B

(POI for CPG)

Format for Issuance of Payment on Order Instrument

Dear Sir,

1. Indian Renewable Energy Development Agency Limited ('IREDA")/PFC/REC has sanctioned a non-fund-based limit loan of Rs. (Rupees..... Only) to M/s. ..... [Insert name of SPV or selected Bidder] under the Loan Agreement executed on ..... to execute Transmission System Projects.

2. In consideration of the .....[Insert name of the SPV or Selected Bidder on behalf of SPV or Lead Member in case of the Consortium, with address] for the purposes of this Payment on Order Instrument ("POI") having been selected to undertake the Transmission Project on the terms and conditions contained in the Transmission Service Agreement dated ...../ to be executed as per the draft of the Model Transmission Service Agreement provided along with the Request for Proposal (,,RFP") and other RFP Project Documents, subject to the condition of providing a POI guaranteeing the due performance of the obligations under the Transmission Service Agreement to the Nodal Agency/Central Transmission Utility of India Limited (,,CTUIL"), the.....[Insert name and address of the non-banking financial institutions(IREDA/PFC/REC) issuing the POI and address of the head office] (hereinafter referred to as **"Guarantor")** hereby agrees unequivocally, irrevocably, absolutely and unconditionally, without demur, to pay to the Nodal Agency at ..... [Insert Place and Address of the Nodal Agency indicated in Transmission Service Agreement, or to the designated Bank Account of the Nodal Agency, namely .....] forthwith on demand in writing from the Nodal Agency, or any Officer authorized by it in this behalf, intimated to the Guarantor at the address mentioned above, any amount as may be decided by the Nodal Agency not exceeding Rupees ..... Crores (Rs .....) only [Insert the amount of Payment on Order Instrument]

3. At the request of ..... and on behalf of M/s. ....., [Insert name of SPV or selected Bidder] this Payment on Order Instrument (POI) for an amount of Rs. ..... (Rupees .....) is being issued with IREDA/PFC/REC assuming the obligations to remit such amount to CTUIL from the sanctioned loan.

4. This Payment on Order Instrument comes into force immediately and IREDA/PFC/REC confirms that it has sufficient amount out of the sanctioned loan and shall maintain the required amount to pay under this Payment on Order Instrument, during the validity and claim period of this Payment on Order Instrument.

5. This POI has been issued by IREDA/PFC/REC utilizing the credit limit of M/s.....[Insert name of SPV or selected Bidder] IREDA/PFC/REC confirms that its liability to pay under this Payment on Order Instrument shall be primary and independent of whether at the time of invocation of

Payment on Order Instrument, the sanctioned funds are available or not and notwithstanding, the status of M/s [Insert name of SPV or selected Bidder] at the relevant time and to whether IREDA/PFC/REC is able to recover the amount advanced by it to the said developer.

6. IREDA/PFC/REC and M/s.[Insert name of SPV or selected Bidder] hereby acknowledges, accepts and confirms that this Payment on Order Instrument shall be a Contract of Guarantee as provided under Section 126 of the Indian Contract Act, 1872 and further shall be covered by Section 14(3)(b) of the Insolvency and Bankruptcy Code, 2016 (as amended) shall be enforceable as such.

7. IREDA/PFC/REC liability under this POI is restricted to Rupees Crores (Rs.....) only. This POI shall remain in force until..... [Insert the date of validity of the POI]. The Nodal Agency shall be entitled to invoke this POI up to three hundred sixty-five (365) days after the last date of the validity of this POI. This POI shall be extended from time to time for such period, as may be desired by the TSP.

8. The Guarantor hereby expressly agrees that it shall not require any proof except for the written demand from the Nodal Agency, raised at the above mentioned address of the Guarantor (address of Guarantor office should be in NCR only) and the Guarantor shall pay the amount to the Nodal Agency without reference to the TSP.

9. Any such demand made by the Nodal Agency on the Guarantor shall be conclusive and binding not withstanding any difference between the Nodal Agency and the TSP or any dispute pending before any Court, Tribunal, Arbitrator or any other authority. The Guarantor undertakes not to revoke this guarantee during its currency without previous consent of the Nodal Agency and further agrees that the POI herein contained shall continue to be enforceable till the Nodal Agency discharges this contract or till the expiry of tenure or (including Claim period) whichever is earlier.

10. The Guarantor shall make payment hereunder within two (02) working days on first demand without restriction or conditions and notwithstanding any objection or disputes raised by the TSP, namely, ... [Insert name of SPV], or [Insert name of the Selected Bidder], or..... [Insert name of the TSP] and/or any other person. The Guarantor shall not require the Nodal Agency to justify the invocation of this POI, nor shall the Guarantor have any recourse against the Nodal Agency in respect of any payment made hereunder.

11. This POI shall be interpreted in accordance with the laws of India.

12. The Guarantor represents that this POI Contract has been established in such form and with such content that it is fully enforceable in accordance with its terms as against the Guarantor in the manner provided herein.

13. This POI shall not be affected in any manner by reason of merger, amalgamation, restructuring, liquidation, winding up, dissolution or any other change in the constitution of the Guarantor.

14. This POI Contract shall be a primary obligation of the Guarantor as a Principal to pay on demand by the Nodal Agency and the Nodal Agency shall not be obliged before enforcing this POI Contract to take any action in any court or arbitral proceedings against the TSP, namely, ... [Insert name of SPV], or..... [Insert name of the Selected Bidder], or ..... [Insert name of the TSP] and/or any other person, as the case may be to make any claim against or any demand on the TSP, namely, ... [Insert name of SPV], or ..... [Insert name of the Selected Bidder], or ..... [Insert name of the TSP] and/or any other person, as the case may be, or to give any notice to TSP, namely..... [Insert name of SPV], or ..... [Insert name of the Selected Bidder], or ..... [Insert name of the TSP] and/or any other person, as the case may be, or to enforce any security held by the Nodal Agency or to exercise, levy or enforce any distress, diligence or other process against the TSP, namely, ... [Insert name of SPV], or.[Insert name of the Selected Bidder], or ..... [Insert name of the TSP] and/or any other person, as the case may be.

15. The Guarantor acknowledges that this POI Contract is not personal to the Nodal Agency and may be assigned, in whole or in part, (whether absolutely or by way of security) by Nodal Agency to any entity to whom the Nodal Agency is entitled to assign its rights and obligations under the Transmission Service Agreement.

16. The Guarantor hereby agrees and acknowledges that the Nodal Agency shall have a right to invoke this POI Contract either in part or in full, as it may deem fit. In case of invocation of this POI Contract in part, besides making payment for the part of POI Contract invoked, Guarantor at the request of Nodal Agency shall amend the value of POI Contract to the extent of balance amount.

IN WITNESS WHERE OF the non- banking financial institutions through its authorized officer, has set its hand and stamp on this..... day of.....at.....

Signature .....

Name:

.....

Power of attorney No.:

..... For:

..... [Insert Name of the non- banking financial institutions Company]

Seal and Full Address, including mailing address of the Head Office

Schedule: 9

Methodology for determining the Relief Under Force Majeure Event & Change in Law during Construction Period

The relief in the form of revision in tariff due to Force Majeure Event leading to extension of Scheduled COD for a period beyond one hundred eighty (180) days and/ or Change in Law during the construction period shall be as under:

$\Delta T = [(P \times d)] \div [1-(1+ d)^{(-n)}]$

Where,

ΔT = Change in Transmission Charges for each year

P = Sum of cumulative increase or decrease in the cost of the Project due to Change in Law and interest cost during construction corresponding to the period exceeding one hundred eighty (180) due to Force Majeure Event leading to extension of Scheduled COD for a period beyond one hundred eighty (180) days

n = number of years over which the Transmission Charges has to be paid

d = Discount rate as notified by the CERC, applicable on the Bid Deadline

The increase in Transmission Charges as stated above shall be applicable only if the value of increase in Transmission Charges as calculated above exceeds 0.30% (zero point three percent) of the quoted Transmission Charges of the TSP.

CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

Petition No. 860/TL/2025

Coram:
Shri Jishnu Barua, Chairperson
Shri Ramesh Babu V., Member
Shri Harish Dudani, Member
Shri Ravinder Singh Dhillon, Member

Date of Order: 15th January, 2026

In the matter of

Petition under Sections 14, 15, 79 (1)(e) 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, 2024 seeking Transmission License for Rajgarh Neemuch Power Transmission Limited.

And
In the matter of

Rajgarh Neemuch Power Transmission Limited,
2nd Floor, Novus Tower, Plot No. 18,
Sector-18, Gurugram– 122015, Haryana. **…Petitioner**

Vs.

1. Central Transmission Utility of India,
Floors No. 5th-10th,
IRCON International Tower,
Tower 1, Plot No. 16, Institutional Area, Sector 32,
Gurugram – 122003, Haryana.

2. REC Power Development and Consultancy Limited,
Core-4, SCOPE Complex,
7, Lodhi Road, New Delhi-110003.

3. **NTPC Limited,**
Engineering Office Complex, Plot-A-8A,
Sector-24, Noida– 201301, Uttar Pradesh.

4. **NTPC Renewable Energy Limited**,
Engineering Office Complex, Plot-A-8A,
Sector-24, Noida– 201301, Uttar Pradesh.

5. Adani Green Energy Limited,
5th Floor, Sambhav House,
Judges Bungalow Road, Bodakdev,

Ahmedabad -380015, Gujarat.

6. Nuclear Power Corporation of India Limited,
9-S-30, V.S. Bhavan, Anushaktinagar,
Mumbai – 400094.

7. KSK Mahanadi Power Company Limited,
8-2/293/82/A/431/A, Road No 22,
Jubilee Hills, Hyderabad – 500033.

8. Apraava Energy Private Limited,
7th Floor, Fulcrum, Sahar Road,
Andheri East, Mumbai – 400009.

9. NHPC Limited,
NHPC Office Complex, RE Division,
Sector 33 Faridabad – 121003, Haryana.

10. Greenko AP01 IREP Private Limited,
15th Floor, HT Media Building, KG Marg,
New Delhi - 110001.

11. Continuum Power Trading (TN) Private Limited,
402 & 404, Delphi, C wing, Hiranandani Business park,
Orchard Avenue, Powai, Mumbai – 400076.

12. ReNew Power Limited,
Commercial Block-1, Zone 6, Golf Course Road,
DLF City Phase-V Gurugram – 122009.

13. Adani Renewable Energy Holding Four Limited,
4th Floor, South Wing, Adani House,
Shantigram, SG Highway, Ahmedabad – 382421.

14. Torrent Solar Power Private Limited,
Torrent Power Limited, Akhakhol, Surat - 394155.

15. ReNew Green (MHP One) Private Limited,
Commercial Block -1, Golf Course Road,
DLF City, Zone 6, Sector 43, Gurgaon - 122009, Haryana.

16. Rewa Ultra Mega Solar Limited,
Urja Bhawan, Shivaji Nagar,
Bhopal – 462016.

17. Renew Solar Power Private Limited,
Renew Hub, Commercial Block-1, Zone-6,
Golf Course Road, DLF City Phase-V,
Gurugram- 122009, Haryana.

18. TEQ Green Power XI Private Limited,
8th Floor, DLF Sguare, DLF Phase 2,
Sec. 25, Gurugram, Haryana.

19. Gujarat Industries Power Company Limited,
Post Ranoli - 391 350, Vadodara – 391350, Gujarat.

20. Sprng Vayu Vidyut Private Limited,
Off A-001, Upper Ground, P-5, Pentagon Tower, Magarpatta City,
Hadapsar, Pune – 411013.

21. Sprng Energy Private Limited,
Off A-001, Upper Ground, P-5, Pentagon Tower,
Magarpatta City, Hadapsar, Pune – 411013.

22. Veh Wind Energy Private Limited,
Plot No.38, Phase-2, 1st Floor, N-Heights,
Hitech City, Siddig Nagar, Hyderabad – 500081.

23. Viento Renewables Private Limited,
508, Town Center II, Andheri Kurla Road Marol,
Andheri East, Maharashtra.

24. Anupavan Renewables Private Limited,
508, Town Center II, Andheri Kurla Marol,
Andheri East, Maharashtra.

25. Tata Power Renewable Energy Limited,
Corporate Center B, 34 Sant Tukaram Road, Carnac Bunder,
Mumbai – 400009.

26. Serentica Renwables India Private Limited,
DLF Cyber Park, 9th Floor, Tower B, Sector 20,
DLF Phase-3, Gurugram-122008.

27. Sarjan Realities Private Limited,
5th Floor, Godrej Millenium,9, Koregaon Park,
Vasani Nagar Park, Pune, Maharashtra.

28. Avaada Energy Private Limited,
C-11, Sector 65, Noida- 201307,
Uttar Pradesh.

29. Juniper Green Energy Private Limited,
Plot No. 18, First Floor, Institutional Area Sector 32,
Gurugram-122001, Haryana.

30. Powerica Limited,
9th Floor, C-Wing, Godrej Colesium,
SionTrombay Road, Sion, Mumbai- 400022.

31. Mounting Renewable Power Limited,
D/8, BKT House, Trade World, Kamala City, Senapati Marg,
Lower Parel (West), Mumbai-400013, Maharashtra.

32. NLC India Limited,
Office of the General Manager Projects & Business Development,
Neyveli Township, Neyveli Cuddalore District,
Tamil Nadu-600010.

33. Oyster Green Hybrid One Private Limited,
Unit no 203, Trade Centre, Opp. MTNL, Bandra Kurla Complex,
Bandra East, Mumbai-400051.

34. Ganeko One Energy Private Limited,
First Floor, D-2 Southern Park Building,
Saket, New Delhi- 110017.

35. Ganeko Two Energy Private Limited,
First Floor, D-2 Southern Park Building,
Saket, New Delhi- 110017.

36. Ganeko Solar Private Limited,
First Floor, D-2 Southern Park Building,
Saket, New Delhi- 110017.

37. Acme Sun Power Private Limited,
Plot No. 152, Sector-44, Gurugram-122002, Haryana.

38. Acme Cleantech Solutions Private Limited,
Plot No. 152, Sector-44,
Gurugram-122002, Haryana.

39. Jindal Power Limited,
Plot No.2, Tower-B, 3rd Floor,
Sec.-32, Gurgaon-122001.

40. Purvah Green Power Private Limited,
2a Lord Sinha Road First Floor Middleton Row,
Kolkata- 700071

41. Bhojraj Renewables Energy Private Limited,
6th Floor, MGF Corporate Park,
Saket, New Delhi – 110017.

42. ABREL (RJ) Projects Limited,
8th Floor Parsvnath Capital Towers Bhai
Vir Singh Marg, New Delhi.

43. Aditya Birla Renewables Subsidiary Limited,

8th Floor Parsvnath Capital Towers Bhai
Vir Singh Marg, New Delhi.

44. Tata Power Company Limited,
Generating Station Khopoli,
P 0 Khopoli Power House,
Raigad- 410204, Maharashtra.

45. Arcelormittal Nippon Steel India Limited,
27km, Surat-Hazira Road, Hazira
Surat- 394270, Gujarat.

46. Dhariwal Infrastructure Limited,
C-6 Tadali Growth Centre, MIDC Tadali,
Chandrapur – 442406, Maharashtra.

47. Reliance Industries Limited,
PO Motikhavadi, Meghpar Padana,
Gagva, Jamnagar -361140, Gujarat.

48. Hindalco Industries Limited,
Mahan Aluminium- NH75-E,
Singrauli- Sidhi Road Bargawan, M.P.

49. Welspun Living Limited,
Survey No.650 & 652, Village Versamedi,
Taluka Anjar, District- Kutch - 320110.

50. Welspun Corp Limited,
Survey No.650 & 652,
Village Versamedi, Taluka Anjar,
District- Kutch - 320110.

51. MPSEZ Utilities Limited,
3rd Floor, South Wing, Adani Corporate House,
Shantigram, Nr. Vaishno Devi Circle,
S G Highway, Khodiyar, Ahmedabad, Gujarat.

52. Kutch Copper Limited,
3rd Floor, South Wing, Adani Corporate House,
Shantigram, Nr. Vaishno Devi Circle,
S G Highway, Khodiyar, Ahmedabad, Gujarat.

53. Mundra Petrochem Limited,
Commerce House-4, Prahladnagar,
Beside Shell Petrol Pump,
Ahmedabad – 380015, Gujarat.

54. Hindustan Zinc Limited,
Yashad Bhawan, Near swaroop sagar,

Udaipur, Rajasthan – 313001.

55. Khavda RE Transmission Limited,
Power Grid Corporation of India Limited, Saudamini,
Plot No. 2, Sector-29, Gurugram - 122001.

56. Khavda II-B Transmission Limited,
Power Grid Corporation of India Limited, Saudamini,
Plot no.2, Sector-29, Gurugram-122001.

57. Khavda II-C Transmission Limited,
Power Grid Corporation of India Limited, Saudamini,
Plot no. 2, Sector-29, Gurugram-122001.

58. KPS2 Transmission Limited,
Power Grid Corporation of India Limited, Saudamini,
Plot no.2, Sector-29, Gurugram - 122001.

59. KPS3 Transmission Limited,
Power Grid Corporation of India Limited, Saudamini,
Plot no.2, Sector-29, Gurugram-122001.

60. Raipur Pool Dhamtari Transmission Limited,
Power Grid Corporation of India Limited, Saudamini,
Plot no.2, Sector-29, Gurugram-122001.

61. Dharamjaigarh Transmission Limited,
Power Grid Corporation of India Limited, Saudamini,
Plot no.2, Sector-29, Gurugram-122001.

62. Vataman Transmission Limited.
Power Grid Corporation of India Limited, Saudamini,
Plot no.2, Sector-29, Gurugram-122001.

63. Khavda IV E2 Power Transmission Limited,
Power Grid Corporation of India Limited, Saudamini,
Plot no.2, Sector-29, Gurugram-122001.

64. South Olpad Transmission Limited,
Power Grid Corporation of India Limited, Saudamini,
Plot no.2, Sector-29, Gurugram-122001.

65. Jam Khambaliya Transmission Limited,
Power Grid Corporation of India Limited,
Saudamini, Plot no.2, Sector-29, Gurugram - 122001.

66. Khavda PS1 and 3 Transmission Limited,
Power Grid Corporation of India Limited, Saudamini,
Plot no.2, Sector-29, Gurugram – 122001.

67. Khavda V-A Power Transmission Limited,
Power Grid Corporation of India Limited, Saudamini,
Plot no.2, Sector-29, Gurugram - 122001.

68. MEL Power Transmission Limited,
Power Grid Corporation of India Limited, Saudamini,
Plot no.2, Sector-29, Gurugram-122001.

69. Banaskantha Transco Limited,
Power Grid Corporation of India Limited, Saudamini,
Plot no.2, Sector-29, Gurugram – 122001.

70. Khavda V-B1B2 Power Transmission Limited,
Power Grid Corporation of India Limited, Saudamini,
Plot no.2, Sector-29, Gurugram - 122001.

71. Bhopal Dhule Transmission Company Limited,
Unit No. 101, 1st Floor, Windsor Village,
Kolekalyan Off CST Road, Vidhyanagari Marg,
Santacruz (East),
Mumbai - 400098, Maharashtra.

72. Dhule Power Transmission Limited,
Unit No. 101, 1st Floor, Windsor Village,
Kolekalyan Off CST Road, Vidhyanagari Marg,
Santacruz (East),
Mumbai - 400098, Maharashtra.

73. Ishanagar Power Transmission Limited,
Unit No. 101, 1st Floor, Windsor Village,
Kolekalyan Off CST Road, Vidhyanagari Marg,
Santacruz (East),
Mumbai - 400098, Maharashtra.

74. Kallam Transco Limited,
Unit No. 101, 1st Floor, Windsor Village,
Kolekalyan Off CST Road, Vidhyanagari Marg, Santacruz (East),
Mumbai - 400098, Maharashtra.

75. Mumbai Urja Marg Limited,
DLF Cyber Park, Tower-B, 9th Floor, Udyog Vihar Phase-III,
Sector-20, Gurugram - 122008.

76. Goa-Tamnar Transmission Project Limited,
DLF Cyber Park, Tower-B, 9th Floor,
Udyog Vihar Phase-III, Sector-20,
Gurugram - 122008.

77. Khavda IV C Power Transmission Limited,
DLF Cyber Park, Tower-B, 9th Floor,

Udyog Vihar Phase-III, Sector-20,
Gurugram - 122008.

78. Khavda Bhuj Transmission Limited,
Adani Corporate House, Shantigram,
S.G. Highway, Ahmedabad - 382421, Gujarat.

79. Khavda II-A Transmission Limited,
Adani Corporate House, Shantigram,
S.G. Highway, Ahmedabad - 382421, Gujarat.

80. WRSS XXI(A) Transco Limited,
Adani Corporate House, Shantigram,
S.G. Highway, Ahmedabad - 382421, Gujarat.

81. Khavda IV A Power Transmission Limited,
Adani Corporate House, Shantigram,
S.G. Highway, Ahmedabad - 382421, Gujarat.

82. Jamnagar Transmission Limited,
Adani Corporate House, Shantigram,
S.G. Highway,
Ahmedabad - 382421, Gujarat.

83. Navinal Transmission Limited,
Adani Corporate House, Shantigram,
S.G. Highway, Ahmedabad - 382421, Gujarat.

84. Pune-III Transmission Limited,
Adani Corporate House, Shantigram,
S.G. Highway,
Ahmedabad - 382421, Gujarat.

85. WRNES Talegaon Power Transmission Limited,
Adani Corporate House, Shantigram,
S.G. Highway, Ahmedabad-382421, Gujarat.

86. Mundra I Transmission Limited,
Adani Corporate House, Shantigram,
S.G. Highway,
Ahmedabad – 382421, Gujarat.

87. KPS1 Transmission Limited,
2nd Floor, Niryat Bhawan, Rao Tularam Marg,
Vasant Vihar, Opposite Army Hospital & Referral,
New Delhi - 110057.

88. Pachora Power Transmission Limited,
2nd Floor, Novus Tower, Plot No.-18,
Sector-18, Gurugram - 122015, Haryana.

89. Solapur Transmission Limited,
'SAMANVAY', 600, Topovan, Ambawadi,
Ahmedabad, Gujarat.

90. Karera Power Transmission Limited,
7th Floor, Fulcrum, Sahar Road,
Andheri (East), Mumbai-99.

91. Raghanesda RE Transmission Limited,
Incuspaze Building, 1st- 3rd Floor, Plot No 17,
Udyog Vihar Sector 18,
Gurgaon -122015, Haryana.

92. Lakadia B Power Transmission Limited,
7th Floor, Building, 9A, Twin tower,
Reliance Corporate Park,
Thane-Belapur Road, Ghansoli,
Navi Mumbai - 400701, Maharashtra.

93. Powergrid Corporation of India Limited
Plot No.2, Near, IFFCO Chowk, Sector 29,
Saudamini, Haryana 122001

94. Chhattisgarh State Power Transmission Company Limited,
CSPTCL, SLDC, Building, CSEB, Daganiya,
CG, Raipur, Chhattisgarh – 492013

95. Maharashtra State Electricity Transmission Co. Limited,
4th Floor, "Prakashganga:", Plot No.C-19,
E-block, Bandra-Kurla Complex,
Bandra (East), Mumbai-40005

96. Madhya Pradesh Power Transmission Company Limited,
Nayagaon Rampur,
Jabalpur – 482008, Madhya Pradesh.

97. Gujarat Energy Transmission Corporation Limited,
Sardar Patel Vidhyut Bhavan, Race Course,
Getco, Vadodara – 390007, Gujarat.

98. Northern Power Distribution Company of Telangana Limited,
TGNPDCL, H.No: 2-5-31/2, Corporate Office,
Vidyut Bhavan, Nakkalagutta,
Hanamkon da, Warangal – 506001, Telangana.

99. Chhattisgarh State Power Distribution Company Limited,
4th Floor, Vidyut Sewa Bhawan, Daganiya,
Raipur– 492013, Chhattisgarh.

100. Gujarat Urja Vikas Nigam Limited,
Commerce Department 2nd Floor, Sardar Patel Vidyut Bhavan,
Race Course, Vadodara – 390007, Gujarat.

101. Maharashtra State Electricity Distribution Company Limited,
Prakashgad, Plot No G-9, A K Marg, Bandra (East),
Mumbai – 400051, Maharashtra.

…Respondents

Parties present:
Shri Hemant Singh, Advocate for the Petitioner
Shri Sam C. Mathew, Advocate, Hindalco Industries Limited
Ms. Madhuri Mittal, Advocate, Hindalco Industries Limited
Shri Ranjeet Singh Rajput, CTUIL
Shri Akshayvat Kislay, CTUIL

ORDER

The Petitioner, Rajgarh Neemuch Power Transmission Limited (hereinafter referred to as "the Petitioner"), has filed the present Petition for the grant of a transmission licence under Sections 14, 15 and 79(1)(e) of the Electricity Act, 2003 (hereinafter referred to as "the Act") read with the Central Electricity Regulatory Commission (Procedure, Terms, and Conditions for grant of Transmission Licence and other related matters) Regulations, 2024 (hereinafter referred to as "the Transmission system) for "Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II" on a Build, Own, Operate and Transfer Basis (hereinafter referred to as "the Project") consisting of the following elements:

Sl. No.	Name of the Transmission Element	Scheduled COD
1.	Creation of New 220 kV Bus from Section (3rd) with 220 kV Bus Sectionaliser and 400/220 kV, 3x500 MVA ICT augmentation (7th, 8th & 9th) at Pachora PS terminated on 220 kV Bus Section (3rd) • 500 MVA 400/220 kV ICT - 3 Nos.	24 months from effective date as per TSA (29.09.2027)

Sl. No.	Name of the Transmission Element	Scheduled COD
	• 400 kV ICT bay- 3 Nos. (on Section-II) • 220 kV ICT bay- 3 Nos. (on Section-Ill) • 220 kV Bus Sectionaliser bays - 1 set • 220 kV BC & TBC - 1 No. each	
2.	**2a.** 3 Nos. 220 kV line bays for RE interconnection on Bus Section (3rd) • 3 Nos. on Sec-Ill	
	2b. 1 No. 220 kV 0.16% Interconnection of Purvah Green Power Pvt. Ltd. on Bus Section (3rd) • 1 No. on Sec-Ill	
3.	Pachora PS – Rajgarh (PG) 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) alongwith with associated line bays at both ends and 50 MVAr (Sw LR) on each ckt at both ends • 400 kV line bays: 4 Nos. (2 at Rajgarh (PG) & 2 at Pachora PS) • 420 kV, Switchable Line Reactors (Sw LRs): 4 Nos. (2 at Rajgarh (PG) & 2 at Pachora PS) • Switching equipment for 400 kV line reactor- 4 Nos. (2 at Rajgarh (PG) & 2 at Pachora PS)	
4.	Installation of 1x125 MVAr, 420 kV bus reactor at Pachora PS (400 kV Bus Section - II) • 125 MVAr, 420 kV Bus reactor- 1 Nos. • 400 kV Bus reactor bay: 1 Nos	
5.	Creation of New 220 kV Bus Section-II at Neemuch PS with Augmentation of transformation capacity by 3x500 MVA, 400/220 kV ICTs (3rd, 4th, and 5th) at Neemuch S/s along with associated Bays • 500 MVA 400/220 kV ICT - 3 Nos. • 400 kV ICT bay - 3 Nos. • 220 kV ICT bay- 3 Nos. (on Sec-II) • 220 kV Bus Sectionaliser bays - 1 set • 220 kV BC & TBC - 1 Nos. each	
6.	4 Nos. 220 kV Line bays at Neemuch PS for RE interconnection • 220 kV Bays -4 Nos. on Sec-II	
7.	Neemuch PS - Pachora PS 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) along associated Line bays and 50 MVAr Switchable Line Reactor (Sw LR) on each ckt at both ends	

Sl. No.	Name of the Transmission Element	Scheduled COD
	• 400 kV Line bays: 4 Nos. (2 at Neemuch PS & 2 at Pachora PS) • 420 kV, Switchable Line Reactors (Sw LRs): 4 Nos. (2 at Neemuch PS & 2 at Pachora PS) • Switching equipment for 400 kV line reactor- 4 Nos. (2 at Neemuch PS & 2 at Pachora PS)	
8.	Establishment of 2x500 MVA, 400/220 kV S/s at Handiya along with 2x125 MVAr 420 kV Bus Reactors • 400/220 kV ICTs: 2 Nos. • 400 kV ICT Bays: 2 Nos. • 220 kV ICT Bays: 2 Nos. • 400 kV Line bays: 6 Nos. • 220 kV line bays for MPPTCL- 8 Nos. • 125 MVAr, 420 kV Bus reactor- 2 Nos. • 400 kV Bus reactor bay: 2 Nos. • 220 kV TBC bay - 1 Nos. • 220 kV BC bay - 1 Nos. **Future provision (space for):** • 400 kV line bays along with switchable line reactors- 6 Nos. (Sec-II) • 400/220 kV ICT along with bays-4 Nos. (1 Nos. on Sec-I & 3 Nos. on Sec-II) • 400 kV Bus Reactor along with bays: 2 Nos. (Sec-II) • 220 kV line bays: 8 Nos. (on Sec-II) • 400 kV Sectionalization bay: 1 set • 220 kV Sectionalization bay: 1 set • 220 kV TBC & BC: 1 Nos	
9.	Pachora PS - Handiya 400 kV D/c line (Quad ACSRI AAACI AL59 Moose equivalent) along with associated bays at Pachora PS end and 50 MVAr Switchable Line Reactor (Sw LR) on each ckt at both ends • 400 kV bays: 2 Nos. (at Pachora PS) • 420 kV, Sw LRs: 4 Nos. (2 at Handiya & 2 at Pachora PS) • Switching equipment for 400 kV line reactor- 4 Nos. (2 at Handiya & 2 at Pachora PS)	
10.	LILO of Khandwa (PG) - ltarsi (PG) 400 kV D/c (Twin Moose) line at Handiya S/s	

Sl. No.	Name of the Transmission Element	Scheduled COD
	• The Khandwa (PG) - Itarsi (PG) 400 kV *D/c* line is of Twin Moose configuration and LILO shall be of similar conductor configuration.	
11.	Installation of 1x125 MVAr, 420 kV bus reactor (2nd) at Neemuch PS • 125 MVAr, 420 kV Bus reactor- 1 Nos. • 400 kV Bus reactor bay: 1 Nos.	

Note:

1. TSP (Existing) of Neemuch PS shall provide space for the above scope of work (free of cost) at Neemuch PS.

2. The TSP shall coordinate with M/s GR Infra Projects (TSP of Pachora PS) for available land within Pachora PS (free of cost) and shall coordinate with RUMSL for acquisition of additional land as required for developing the scope of work at Pachora PS.

3. 400kV lines (Pachora PS - Rajgarh, Neemuch - Pachora PS & Pachora PS - Handiya), 400/220 kV, 3x500 MVA ICTs & 1x125 MVAR, 420 kV bus reactor at Pachora PS under the subject scheme shall be terminated at bus section-II of 400KV level of Pachora PS being implemented under Rajgarh Phase-ll:1000MW, scheme by M/s GR Infra Projects Ltd.

4.MPPTCL to implement below scope of works in matching time-frame of Handiya (ISTS) S/s (as confirmed by MPPTCL vide e-mail dated 23.07.2024):

Sl. No.	*Name of Work*	*Line Length (Km)*
1.	*LILO of both Circuit of Handia (MPPTCL) 220 to Bisonikala (TBCB) 220 kV lines at Handia 400 (New ISTS S/s).*	*2x10Km (Approx)*
2.	*LILO of Itarsi (MP) to Handia (MPPTCL) 220 kV line at Handia 400 (New ISTS S/s).*	*10 Km (Approx)*
3.	*LILO of Itarsi (MP) to Barwaha (MP) 220 kV line at Handia 400 (New ISTS S/s).*	*10 Km (Approx)*

5. *Implementation timeframe: 24 months from date of SPV transfer.*

2. Based on the competitive bidding carried out by the REC Power Development and Consultancy Limited (RECPDCL), in its capacity as the Bid Process Coordinator (BPC), in accordance with the Guidelines issued by the Ministry of Power, Government

of India under Section 63 of the Act, G R Infraprojects Limited was declared a successful bidder with the lowest quoted annual transmission charges of Rs. 3,670.73 million.

3. The Commission, after considering the application of the Petitioner in light of the provisions of the Act and the Transmission Licence Regulations, in its order dated 26.12.2025, *prima facie* proposed to grant a transmission licence to the Petitioner. The relevant extracts of the order dated 26.12.2025 are extracted as under:

> *"23. Considering the material on record, we are prima-facie of the view that the Petitioner satisfies the conditions for the grant of inter-State transmission licence under Section 15 of the Act read with the Transmission Licence Regulations for construction, operation, and maintenance of the transmission system as described in para 1 of this order. We, therefore, direct that a public notice in two daily digital newspaper and on the Commission`s website under clause (a) of sub-section (5) of Section 15 of the Act be published to invite suggestions or objections to the grant of transmission licence aforesaid. The objections or suggestions, if any, be filed by any person before the Commission by* ***9.1.2026****."*

4. A public notice under Sub-section (5) of Section 15 of the Act was published in all editions of the Hindustan Times (English) and Amar Ujala (Hindi) on 1.1.2026. No suggestions/ objections have been received from members of the public in response to the public notice.

Hearing dated 13.1.2026

5. The matter was called out for the hearing on 13.1.2026. During the course of the hearing, the learned counsel for the Petitioner submitted that no objection had been received in response to the public notice published by the Commission under sub-section (5) of Section 15 of the Act. He prayed to be granted a transmission licence. The representative of the CTUIL submitted that CTUIL has already complied with the provisions of the Transmission Licence Regulations.

6. As regards the grant of a transmission licence, Clauses (13) and (14) of Regulation 5 of the 2024 Transmission Licence Regulations provide as under:

> *"(13) The Commission may, after consideration of the further suggestions and objections, if any, received in response to the public notice in terms of Clause (12) of this Regulation, grant licence to the applicant in Form-III appended to these regulations or for reasons to be recorded in writing, reject the application.*
>
> *(14) The Commission shall before granting licence or rejecting the application under the provisions of this Regulation provide an opportunity of hearing to the applicant, CTUIL, the concerned DICs, or the person who has filed suggestions and objections, or any other interested person."*

7. In our order dated 26.12.2025, we had proposed to grant a transmission licence to the Petitioner company and directed the issue of public notice. In response to the public notice, no suggestions/objections have been received. CTUIL, in its letter dated 24.10.2025, has recommended the grant of a transmission licence to the Petitioner. We find that the Petitioner company meets the requirements of the Act and the Transmission Licence Regulations, 2024, for the grant of a transmission licence for the subject Transmission System mentioned in paragraph 1 of this order. Considering the submissions of the Petitioner and CTUIL, we direct that a transmission licence be granted to the Petitioner, 'Rajgarh Neemuch Power Transmission Limited, for "Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II" on a Build, Own, Operate and Transfer basis as per the details given in paragraph 1 above.

8. 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 the 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 Central Electricity Regulatory Commission (Procedure, Terms, and Conditions for grant of Transmission Licence and other related matters) Regulations, 2024 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 9 (2) of the 2024 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 the 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 the 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 2024 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;

(m) The licensee shall submit all such reports or information as may be required under 2024 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.

9. CTUIL and the Central Electricity Authority shall monitor the execution of the Project and bring to the Commission's notice any lapse on the part of the licensee in meeting the schedule for further appropriate action in accordance with the provisions of the Transmission Service Agreement executed between the licensee and the Nodal Agency, the Act and the Transmission Licence Regulations.

10. It is expected that while carrying out the survey, the Petitioner has complied with the provisions of clauses 2.5.7.3, 2.5.7.4, and 2.5.7.5 of the RfP. The Petitioner will comply with the provisions of the bidding documents and the TSA for the commissioning of the Project within the SCOD in letter and spirit.

11. An extract copy of this order is to be sent to CTUIL, CEA, and BPC for information and necessary action.

12. Petition No. 860/TL/2025 is allowed in terms of the above.

Sd/-	**sd/-**	**sd/-**	**sd/-**
(Ravinder Singh Dhillon)	**(Harish Dudani)**	**(Ramesh Babu V.)**	**(Jishnu Barua)**
Member	**Member**	**Member**	**Chairperson**

CERC Website S. No. 30/2026

सेंट्रल ट्रांसमिशन यूटिलिटी ऑफ इंडिया लिमिटेड
(पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड के स्वामित्व में)
(भारत सरकार का उद्यम)
CENTRAL TRANSMISSION UTILITY OF INDIA LTD.
(A wholly owned subsidiary of Power Grid Corporation of India Limited)
(A Government of India Enterprise)

Ref: CTU/W/00/43rd CMETS-WR

Date: 04.05.2026

As per distribution list

Subject: Minutes of the 43rd Consultation Meeting for Evolving Transmission Schemes in Western Region held on 24.03.2026 -reg.

Sir,

Please find enclosed the minutes of 43rd Consultation Meeting for Evolving Transmission Schemes in Western Region held on 24.03.2026 through video conferencing.

The minutes are also available at our website (www.ctuil.in>>ISTS Planning and Coordination>>Consultation Meetings for ISTS).

Thanking you,

Yours Sincerely

(Anil Kumar Meena)
General Manager

Encl.: As stated above

Distribution List:

1. Chief Engineer (PSP&A – I) Central Electricity Authority Sewa Bhawan, R.K. Puram, New Delhi-110 066.	**2. Director (Transmission/GEC)** Ministry of New and Renewable Energy, Block 14, CGO Complex, Lodhi Road, New Delhi-110003
3. Member Secretary Western Regional Power Committee MIDC area, Marol, Andheri East, Mumbai 400 093	**4. Director (Power System)** Solar Energy Corporation of India Ltd. D-3, 1st Floor, A wing, Religare Building, District Centre, Saket, New Delhi-110017
5. Managing Director Gujarat Energy Transmission Corp. Ltd, Sardar Patel Vidyut Bhawan, Race Course, Vadodara -390 007	**6. Director (Operation)** Maharashtra State Electricity Transmission Co. Ltd., 4th Floor, "Prakashganga", Plot No. C-19, E-Block, Bandra – Kurla Complex, Bandra (East), Mumbai- 400051
7. Managing Director Chhattisgarh State Power Transmission Co. Ltd., Dangania, Raipur- 492 013	**8. Chairman & Managing Director** Madhya Pradesh Power Transmission Co. Ltd., Block No. 3, Shakti Bhawan, Rampur, Jabalpur-482 008
9. Executive Engineer Administration of Union Territory of Dadra & Nagar Haveli and Daman & Diu Secretariat, Moti Daman - 395 220	**10.Chief Engineer** Electricity Department The Government of Goa, Panaji
11.Executive Director Western Regional Load Despatch Centre F-3, M.I.D.C. Area, Marol, Andheri East, Mumbai-400 093	**12.Director (SO)** Grid Controller of India Ltd. (Formerly POSOCO) 9th Floor, IFCI Towers, 61, Nehru Place, New Delhi - 110019

Applicants/Participants

1. Shri Ajit Kumar Adani Renewable Energy Holding Four Limited Application no:2200003053 6th floor, CT Tower-1, Inspire Business Park, Opp. Adani Corporate House, Nr. Vaishnodevi Circle, Khodiyar, Ahmedabad. 382421 Ajit.Kumar@adani.com; diwakar.kumar@adani.com; 9687660808	2. Shri Sunil Kumar Singh Sarjan Realities Private Limited Application no:2200003031 5th floor, Godrej Millenium, 9, Koregaon Park Rd, Vasani Nagar, Koregaon Park, Pune, Maharashtra 411001 sunil.singh@sorigin.co; Nikhil.Patil@Sorigin.co; 9560858999
3. Shri Lakshmi Narayanan B Ayana Renewable Power Four Private Limited Application no:2200003002 S 2904, 29th Floor, World Trade Center, Brigade Gateway Campus, #26/1, Dr. Rajkumar Road, Rajajinagar, Bangalore 560055 narayanan@ayanapower.com; bhargava@ayanapower.com; 8800554749	4. Shri Ajit Kumar Adani Renewable Energy Holding Four Limited Application no:2200003054 6th floor, CT Tower-1, Inspire Business Park, Opp. Adani Corporate House, Nr. Vaishnodevi Circle, Khodiyar, Ahmedabad. 382421 Ajit.Kumar@adani.com; diwakar.kumar@adani.com; 9687660808
5. Shri Sumit Goel Tata Power Renewable Energy Limited Application no:2200003009 The Tata Power Company Limited, Corporate Center B, 34 Sant Tukaram Road, Carnac Bunder, Mumbai 400 009 tprelconnectivity@tatapower.com; tprelconnectivity@tatapower.com; 9999318105	6. Shri Mahendra Singh Dabi Torrent Urja 47 Private Limited Application no:22000089 SUGEN Mega Power Project, Torrent Power Ltd. Village: Akhakhol Dist Surat 394155 mahendrasinghdabi@torrentpower.com; anshunegi@torrentpower.com; 6357916182
7. Shri Naresh Govind Telgu Adani Renewable Energy One Limited Application no:2200003011 Adani Corporate House, Shantigram, Nr. Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad 382 421, Gujarat, India naresh.telgu@adani.com; ashish.choubey@adani.com; 7486042968	8. Shri Chaturanan Das Mahan Energen Limited Application no:2200002384 4th Floor, KP Epitome, Makarba, Near DAV International School, Ahmedabad-380051, Ahmedabad, Gujarat saket.maloo@adani.com; 7227015942
9. Shri Popat Maharashtra Industrial Township Limited Application no:2200003019	10. Shri Kapil Maheshwari Mounting Renewable Power Limited Application no:2200000246

Udyog Sarathi, MIDC Office, Marol Industrial Area, Andheri (East), Mumbai md@auric.city; dgmelecpra@auric.city; 7506038681	D/8, BKT House, Trade World, Kamala City, Senapati Marg, Lower Parel (West), Mumbai, Maharashtra 400013 kapil_maheshwari@welspun.com; Anand_Kumar@welspun.com; 9999786638
11. Shri Animesh Manna NTPC Renewable Energy Limited Application no:2200002791 NETRA Building, E-3, Ecotech-II, Udyog Vihar, Greater Noida, PIN – 201306 amanna@ntpc.co.in; rajivgupta@ntpc.co.in; 9650997835	

Chief General Manager (Transmission Planning), CTUIL, welcomed all the participants. It was informed that the agenda of the meeting was deliberations on applications and transmission related matters. The list of participants is enclosed in **Annexure-I.**

Part A: Transmission Schemes related matters in the Western Region

Agenda 1: Common Transmission System Augmentation for evacuation of power from 2x800 MW Gadarwara-II TPS and an additional 1500MW RE power at Mandsaur S/s.

The following was informed with respect to Common Transmission System Augmentation for evacuation of power from 2x800 MW Gadarwara-II TPS and an additional 1500 MW RE power at Mandsaur S/s:

a) As of date, more than 6.5 GW connectivity applications have been received in the Mandsaur region, out of which 4.5 GW applications have been agreed/granted with the below systems, which are under various stages of implementation:

- Establishment of 765/400 kV Mandsaur S/s
- Mandsaur - Indore 765 kV D/c line
- Mandsaur - Kurawar 765 kV D/c line
- Augmentation of transformation capacity at Mandsaur S/s for RE Interconnection
- Mandsaur PS- Khandwa (New) PS 765 kV D/c line

b) Connectivity Application from NTPC has also been received for their 2x800 MW Gadarwara-II TPS (Appl. No. 2200001532), which was deliberated in the 36th CMETS-WR meeting held on 26th-28th May 2025 and further in the 39th CMETS-WR meeting held on 11.11.2025 (refer deliberations below).

Application No – Date – Fuel Source – Eligibility Criteria	Name of the Applicant	Nature of Applicant	Project Location	Connectivity Location	Quantum (MW)	Start date of Connectivity (as in Application)	Remarks
2200001532-29.11.24 **Thermal**	NTPC Limited	Generating station(s), including REGS(s), without ESS	Narsinghpur, Madhya Pradesh	GADARWARA (Sec-II)	1600	800MW-31/05/2029 & 800MW-30/09/2029	App. is under approval with the below discussion.
For DTL, ATS & CTS refer below deliberations							

c) In order to ensure evacuation of power from 2x800 MW Gadarwara-II TPS without overloading the existing system (Gadarwara – Jabalpur & Gadarwara-I TPS – Warora PS 765 kV D/c lines), as well as alleviate high loading on Kurawar-Bhopal 765 kV S/c line, detailed system studies were carried out and a new corridor has been planned in 36th CMETS-WR meeting held on 26th-28th May 2025 to reliably evacuate RE power coming from Northern region, Mandsaur & Kurawar areas in Madhya Pradesh and also from Gadarwara-II TPS:

- Establishment of 765 kV Gadarwara switching station with 2x330 MVAR 765kV bus reactors
- LILO of Jabalpur – Bhopal 765 kV S/c line at Gadarwara switching station (~54Km LILO route length)
- Kurawar- Gadarwara Switching Station 765 kV D/c line (~230Km) along with 240MVAr Switchable Line Reactors on each ckt at both ends
- Nagpur – Gadarwara Switching Station 765 kV D/c line (~250Km) along with 240MVAr Switchable Line Reactors on each ckt. at both ends

d) The above scheme was agreed in the 36th CMET-WR meeting and comments, if any, were to be shared by GRID-INDIA on the study files after the meeting. However, from the short circuit analysis, it was observed that the short circuit level at Jabalpur PS reaches ~59kA and at Gadarwara-I TPS to ~52kA with the proposed system, which is much beyond the design limit. Hence, the studies were agreed to be reviewed further and an optimum transmission system would be worked out.

e) Hence, the system study was again reviewed and put up for deliberations in 39th CMETS-WR meeting held on 11.11.2025 as per details below:

Dedicated Transmission System for 2x800MW Gadarwara-II TPS of NTPC Ltd. (under the scope of NTPC):

- 330 MVAR, 765 kV Bus Reactor provision at Bus Section-II (to be implemented by NTPC).
- 765 kV Bus Sectionaliser arrangement at 765 kV level of Gadarwara Switchyard [such that Jabalpur (D/c line bays), 2x800 MW Gadarwara-I TPS & existing 330 MVAr Bus Reactor are on Bus Section-I and Warora (D/c line bays), 2x800 MW Gadarwara-II TPS & proposed 330MVAr Bus Reactor are on Bus Section-II] – normally OPEN and may be closed as per Grid requirement.

Common Transmission System Augmentation for 2x800 MW Gadarwara-II TPS of NTPC Ltd. (under the scope of ISTS):

- Establishment of 765 kV Gadarwara switching station along with 2x330 MVAR 765kV bus reactors
- Kurawar- Gadarwara switching station 765 kV D/c line (~230 km) with LILO of one circuit at Bhopal (BDTCL) S/s:
    - 240 MVAr switchable Line Reactors at both ends of Kurawar – Gadarwara switching station 765 kV S/c line
    - 240 MVAr switchable Line Reactors at the Bhopal end of Bhopal - Gadarwara switching station 765 kV S/c line

Associated Transmission System for 2x800 MW Gadarawara-II TPS of NTPC Ltd.:

- Gadarwara-II TPS (Bus Section-II) – Gadarwara switching station 765 kV D/c line along with bays at both ends (~10Km)

f) In the meeting, MPPTCL was requested to update their proposed schemes in the updated PSSE files (scenarios 4, 5, and 8) and revert back with updated study files to CTU so that further studies can be conducted towards finalisation of the transmission system for the evacuation of power from 2x800MW Gadarwara-II TPS.

g) In the above backdrop, detailed system studies were carried out in the joint study meeting held on 15.01.2026 & 16.01.2026, and a new corridor was evolved in order to facilitate:

- Evacuation of up to 6 GW RE capacity at Mandsaur PS (i.e., an additional 1500 MW capacity beyond 4500 MW RE already granted)

- Evacuation of additional RE power coming from Rajasthan (Northern region) and dispersal in the Western Region with reliability
- Evacuation of power from 2x800 MW Gadarwara-II TPS
- Arrest overloading observed on the existing system (Gadarwara – Jabalpur & Gadarwara – Warora PS 765 kV D/c lines) with the above proposed injections
- Alleviate high loading on Kurawar-Bhopal 765 kV S/c line
- Keeping fault levels at various substations in Gadarwara / Jabalpur area within limits

h) Regarding the nature of Gadarwara-II TPS (Bus Section-II) – Gadarwara switching station 765 kV D/c line, the reference may be made to the recent CERC order dated 13/02/2026 in Petition No. 824/TL/2025, wherein it has been observed that:

"28. We note the regulatory provision for the evacuation of power from the generating stations connecting to the ISTS is defined under the Act and the 2022 GNA Regulations. The relevant extracts of Sections 2(16) and 10(1) of the Electricity Act, 2003 are as under:

> *"2 (16) "dedicated transmission lines" means any electric supply-line for point to point transmission which are required for the purpose of connecting electric lines or electric plants of a captive generating plant referred to in section 9 or generating station referred to in section 10 to any transmission lines or substations or generating stations, or the load center, as the case may be;….."*
>
> *Section10. (Duties of generating companies): (1) Subject to the provisions of this Act, the duties of a generating company shall be to establish, operate and maintain generating stations, tie-lines, sub-stations and dedicated transmission lines connected therewith in accordance with the provisions of this Act or the rules or regulations made thereunder."*
>
> *The relevant extracts of Regulation 12.1 of the 2022 GNA Regulations are as under:*
>
> *"12. Dedicated Transmission Lines and Bay(s)*
> *12.1 In case Connectivity grantee is a generating station or a captive generating plant or a standalone ESS, the dedicated transmission lines shall be established, operated, and maintained by such Connectivity grantee".*

The combined reading of the above provisions reveals that the ***Dedicated Transmission Line (DTL) is any supply line connecting generating plants to any transmission line or sub-station. The Dedicated Transmission Line (DTL) emanating from a generating station is required to be established, operated, and maintained by such generating station."***

i) In view of the above, Gadarwara-II TPS (Bus Section-II) – Gadarwara switching station 765 kV D/c line (~10 km) along with bays at both ends, was agreed to be implemented by NTPC as part of its dedicated transmission line, matching with Establishment of Gadarwara switching station during the subject joint study meeting. Details of the transmission system under ISTS agreed in the joint study meeting are given below:

Common Transmission System Augmentation for evacuation of power from 2x800MW Gadarwara-II TPS and an additional 1500MW RE power at Mandsaur S/s		
Sl. No.	**Scope of the Transmission Scheme**	**Capacity/ Route length**
1.	Augmentation of Transformation capacity by 2x1500MVA, 765/400 kV ICT (5th& 6th) (Terminated at 400 kV & 765kV Bus Section-II) at Mandsaur PS.	765/400 kV, 1500 MVA ICT – 2 No. 765kV ICT bay – 2 No. on Sec-II 400 kV ICT bay – 2 No. on Sec-II.
2.	Augmentation of Transformation capacity by 3x500MVA, 400/220kV ICT (8th,9th& 10th) (Terminated on 400 kV Bus Section-II & 220kV Bus Section-III) at Mandsaur PS.	3x500MVA, 400/220kV ICT – 3 No. 400 kV ICT bay - 3 No. on Sec-II 220kV ICT bay - 3 No. on Sec-III.
3.	±400MVAr STATCOM at Mandsaur S/s	±400MVAr STATCOM – 1 No. 400kV bay - 1 No. on Sec-II
4.	Establishment of 765 kV Gadarwara switching station along with 2x330 MVAR 765kV bus reactors	
5.	Kurawar - Gadarwara switching station 765 kV D/c line (~230Km) with LILO of one circuit at Bhopal (BDTCL) S/s: o 240MVAr switchable Line Reactors at both ends of Kurawar – Gadarwara switching station 765kV line o 240MVAr switchable Line Reactors at Bhopal end of Bhopal - Gadarwara switching station 765 kV line	Refer Note

Note:

1. *With the above proposal at Sl. 5, the following lines will be established:*
   - *Kurawar - Gadarwara switching station 765 kV S/c line (~230km),*
   - *Kurawar- Bhopal (BDTCL) 765 kV S/c line (~60Km)*
   - *Bhopal (BDTCL) - Gadarwara switching station 765 kV S/c line (~200km)*

2. *2x1500 MVA 765/400 kV ICTs and 2 Nos. 400 kV bays at Gadarwara-II (ISTS) shall be taken up under ISTS in the matching timeframe of Gadrawara-II – Gadarwara (STU) 400 kV D/c line of MPPTCL (requirement to be intimated by MPPTCL in advance to CTUIL)*

Dedicated Transmission System for 2x800MW Gadarwara-II TPS of NTPC Ltd. (under the scope of NTPC):

- Provision of 330MVAR, 765kV Bus Reactor at Gadarwara -II TPS switchyard (Bus Section-II).

- 765kV Bus Sectionaliser arrangement at Gadarwara Switchyard, such that:
  - Jabalpur (D/c line bays), 2x800MW Gadarwara-I TPS and existing 330MVAr Bus Reactor are on Bus Section-I and
  - Warora (D/c line bays), 2x800MW Gadarwara-II TPS & proposed 330MVAr Bus Reactor are on Bus Section-II.
  - The sectionalizer shall normally remain OPEN and may be closed, as per the Grid requirement.

- Gadarwara - II TPS (Sec-II) – Gadarwara (ISTS) 765 kV D/c line (~10km) along with bays at both ends

The matter was deliberated in detail in the 42nd CMETW-WR meeting held on 26.02.2026, wherein the following was deliberated:

(i) MPPTCL & GRID-INDIA stated that they are in agreement with the proposal. No comments were received from the other STUs.

(ii) NTPC stated that Gadarwara-II TPS (Sec-II) – Gadarwara switching station (ISTS) 765 kV D/c line (~10 km), along with bays at both ends, has been proposed under the Dedicated Transmission System for 2x800 MW Gadarwara-II TPS of NTPC Ltd. (under the scope of NTPC). However, since the interconnection shall also be utilised for ISTS purposes (for the transfer of

power from Gadarwara switching station (ISTS) to Warora via Gadarwara-II TPS (Sec-II)), the same may be implemented under ISTS, and they are ready to provide BG towards ATS for the same, as was proposed in earlier CMETS-WR meetings.

(iii) It was clarified that the proposal (for considering the interconnecting line as ATS) was made based on a limited understanding prior to the CERC order. In the recent CERC order dated 13/02/2026 in Petition No. 824/TL/2025, the regulatory provision for the evacuation of power from the generating stations connecting to the ISTS as defined under the Electricity Act and the 2022 GNA Regulations has been amply clarified and it is beyond doubt that the proposed interconnection between Gadarwara-II TPS (Sec-II) & Gadarwara switching station (ISTS) S/s is a Dedicated Transmission line.

(iv) NTPC stated that in such a situation, LILO of Gadarwara-II TPS (Sec-II) – Warora 765kV D/c line at Gadarwara switching station (ISTS) may be considered instead of the proposed direct interconnection between Gadarwara-II TPS (Sec-II) & Gadarwara switching station (ISTS) S/s, and LILO of an ISTS line may be considered as ATS.

(v) It was informed that a Dedicated Transmission Line (DTL) is any supply line connecting generating plants to any transmission line or sub-station, and even in the case of LILO, direct interconnection between Gadarwara-II TPS (Sec-II) & Gadarwara switching station (ISTS) S/s is being established, and hence LILO that leads to the above direct interconnection would still be dedicated in nature, considering that 2x800MW Gadarwara-II TPS of NTPC Ltd. will be utilising Gadarwara switching station (ISTS) for onward evacuation of power.

(vi) NTPC stated that the possibility of evacuation of power from their 2x800 MW Gadarwara-II TPS solely through Gadarwara-II TPS (Sec-II) – Warora 765 kV D/c line may also be explored without the need for interconnection between Gadarwara-II TPS (Sec-II) & Gadarwara switching station (ISTS) S/s.

(vii) In this respect, it was informed that Gadarwara-II TPS (Sec-II) – Warora 765 kV D/c line is an ISTS line and the same was part of Orai – Jabalpur – Gadarwara TPS – Warora – Warangal inter-regional corridor. The same was being utilised for the evacuation of power from 2x800 MW Gadarwara-I TPS as well as for ISTS purposes as an inter-regional corridor. Now, due to the subject application for 2x800 MW Gadarwara-II TPS, there was a need to plan an additional transmission system with

due consideration of the high fault levels at Jabalpur PS, which was also discussed in the 36th CMETS-WR meeting held on 26th-28th May 2025 and the 39th CMETS-WR held on 11.11.2025. After detailed studies, the only option was to split the Gadarwara TPS Switchyard and reduce fault contribution towards Jabalpur PS by installing a 765 kV Bus Sectionaliser arrangement at Gadarwara Switchyard, such that:

- Jabalpur (D/c line bays), 2x800 MW Gadarwara-I TPS, and the existing 330 MVAr Bus Reactor are on Bus Section-I and
- Warora (D/c line bays), 2x800 MW Gadarwara-II TPS & proposed 330 MVAr Bus Reactor are on Bus Section-II.
- The sectionalizer shall normally remain OPEN and may be closed, as per the Grid requirement.

(viii) Now, the Orai (NR) – Jabalpur (WR) – Gadarwara TPS – Warora (WR) – Warangal (SR) inter-regional corridor will no longer exist due to the above proposed splitting arrangement. In order to establish another 765 kV inter-regional corridor, which can help disperse power across the ISTS Grid in a reliable manner across **various planning scenarios**, Beawar/Rishabdeo/Sirohi (NR) - Mandsaur (WR) – Kurawar (WR) - Gadarwara switching station (ISTS) (WR) – Gadarwara-II TPS (Sec-II) – Warora (WR) – Warangal (SR) inter-regional corridor has been planned. The corridor would help in:

- Evacuation of up to 6 GW RE capacity at Mandsaur PS (i.e., an additional 1500 MW capacity beyond 4500 MW RE already granted)
- Evacuation of additional RE power coming from Rajasthan (Northern region) and dispersal in the Western Region with reliability
- Evacuation of power from the 2X800 MW Gadarwara-II TPS
- Arrest overloading observed on the existing system (Gadarwara TPS-1 – Jabalpur & Gadarwara TPS-2 – Warora PS 765kV D/c lines) with the above proposed injections
- Alleviate high loading on Kurawar-Bhopal 765 kV S/c line
- Keeping fault levels at various substations in the Gadarwara switchyard / Jabalpur area within limits

(ix) Hence, the proposal of NTPC to isolate and grant connectivity to 2x800 MW Gadarwara-II TPS at Warora S/s without any interconnection with Gadarwara switching station (ISTS) would be detrimental to the ISTS Grid of the Nation. Moreover, the use of said ISTS line (Gadarwara-II TPS (Sec-II) – Warora (WR) 765 kV D/c line) solely for the evacuation of power for 2x800 MW Gadarwara-II TPS would lead to gross underutilisation of an ISTS asset (whose capacity is ~3500 MW under N-1 contingency), whose tariff is being borne by all DICs.

(x) Representative of NTPC requested some more time to study the said proposals, as they had not taken into account the cost of the proposed dedicated transmission line in the NTPC scope earlier. NTPC also requested that the system be finalised in such a manner that it can come up matching with their 2x800 MW Gadarwara-II TPS project, i.e., May 2029.

(xi) It was informed that the system has been planned after extensive deliberations with all stakeholders in WR in the Joint Study meeting held on 15.01.2026 & 16.01.2026 and taking into account multiple issues (including fault level issues, new generation capacity additions planned by MPPTCL in Shahdol area, Additional connectivity application for 2x800 MW Mahan TPS-III received from Mahan Energen Ltd., etc.). In case the same is now objected by NTPC solely to avoid implementation of a dedicated transmission line as per the provisions of the Electricity Act and GNA Regulations, it would be very difficult to match the timelines of the transmission system and the generation project.

(xii) NTPC acknowledged the difficulties in planning the transmission system; however, NTPC requested that the transmission system be discussed again in the next CMETS-WR meeting, by which time they shall evaluate the proposal at their end.

Details of deliberations in the 43rd CMETS-WR are given below:

Representative of NTPC stated that they have assessed the options and are ready to implement the Gadarwara-II TPS (Sec-II) – Gadarwara switching station (ISTS) 765 kV D/c line (~10km), along with bays at generation end under under the Dedicated Transmission System for 2x800 MW Gadarwara-II TPS of NTPC Ltd. The 2 nos. 765 kV bays at Gadarwara switching station (ISTS) may be implemented under the ISTS, for which they are ready to provide the requisite Conn-BGs.

After deliberations, the connectivity was agreed to be granted to NTPC Ltd. as per the details below:

Sl. No.	Application No – Date – Fuel Source – Eligibility Criteria	Name of the Applicant	Nature of the Applicant	Project Location	Connectivity Location	Quantum (MW)	Connectivity Start Date (Requested & Actual)	Dedicated Transmission System for Connectivity	Associated Transmission System for GNA	Common Transmission System Augmentation	BG Details & Remarks (if any)
1.	2200001532-29-11-24-Thermal-NA	NTPC Limited	Generating station(s), including REGS(s), without ESS	Dongargaon, NARSINGHPUR, Madhya Pradesh	NTPC GADARWARA	1600	31-05-29 (with availability of Common Transmission System Augmentation)	Refer details below	Refer details below	Refer details below	Conn-BG1: **Rs. 0.5 Cr**. Conn-BG2: **Rs. 24 Cr.** Conn-BG3: **Rs. 36 Cr.**

Common Transmission System Augmentation for evacuation of power from 2x800 MW Gadarwara-II TPS and an additional 1500 MW RE power at Mandsaur S/s

Sl. No.	Scope of the Transmission Scheme	Capacity/ Route length
1.	Augmentation of Transformation capacity by 2x1500MVA, 765/400 kV ICT (5th& 6th) (Terminated at 400 kV & 765kV Bus Section-II) at Mandsaur PS.	765/400 kV, 1500 MVA ICT – 2 No. 765kV ICT bay – 2 No. on Sec-II 400 kV ICT bay – 2 No. on Sec-II.
2.	Augmentation of Transformation capacity by 3x500MVA, 400/220kV ICT (8th,9th& 10th) (Terminated on 400 kV Bus Section-II & 220kV Bus Section-III) at Mandsaur PS.	3x500MVA, 400/220kV ICT – 3 No. 400 kV ICT bay - 3 No. on Sec-II 220kV ICT bay - 3 No. on Sec-III.
3.	±400MVAr STATCOM at Mandsaur S/s	±400MVAr STATCOM – 1 No. 400kV bay - 1 No. on Sec-II
4.	Establishment of 765 kV Gadarwara switching station along with 2x330 MVAR 765kV bus reactors **Future provision (space for):** ➢ 765/400 kV, 1500MVA ICT along with bays- 6 Nos. (3 on Sec-I & 3 on Sec-II) ➢ 765 kV line bays along with switchable line reactors – 8 Nos. (2 Nos. on Sec-I & 6 Nos. on Sec-II) ➢ 765 kV, 330MVAr Bus Reactor along with bay: 2 Nos. (on Sec-II) ➢ 400 kV line bays along with switchable line reactors– 16 Nos. *(8 Nos. on Sec-I & 8 Nos. on Sec-II)* ➢ 420 kV, 125MVAr Bus Reactor along with bays: 4 Nos. (2 on Sec-I & 2 on Sec-II) ➢ 400/220kV ICT along with bays- 6 Nos. (3 on Sec-I & 3 on Sec-II) ➢ 220 kV line bays: 8 Nos. on Bus Section-I & 8 Nos. on Bus Section-II ➢ 765 kV Sectionaliser bay: 1 -set ➢ 400 kV Sectionalization bay: 1- set ➢ 220 kV Sectionalization bay: 1 set ➢ 220kV BC Bay-2 No. ➢ 220kV TBC Bay-2 No.	• 765 kV Line bays – 4 Nos. (on Sec-I) (2 Nos. for Kurawar D/c line and 2 Nos. for Gadarwara II TPS (Sec-II) D/c line) • 1x330 MVAr, 765 kV bus reactor- 2 Nos. (7x110 MVAR single phase Reactors, including one spare Unit for bus /line reactors) • 765 kV Bus reactor bay – 2 Nos. (on Sec-I)
5.	Kurawar - Gadarwara switching station 765 kV D/c line with LILO of one circuit at Bhopal (BDTCL) S/s	~210Km Refer Note

Sl. No.	Scope of the Transmission Scheme	Capacity/ Route length
6.	330MVAr switchable Line Reactor at Gadarwara switching station end of Kurawar – Gadarwara switching station 765kV line	• 330 MVAr, 765 kV switchable line reactor- 1 No. • 765 kV switchable Line Reactor Bay- 1 No. • 110MVAr, 1-Ph spare reactor already covered at Sl. 4
7.	240MVAr switchable Line Reactor at Bhopal(BDTCL) end of Bhopal(BDTCL) - Gadarwara switching station 765 kV line	• 240 MVAr, 765 kV switchable line reactor- 1 No. • 765 kV switchable Line Reactor Bay- 1 No. • Existing 80MVAr, 1-Ph spare reactor to be utilised

Note:

3. *With the above proposal at Sl. 5, the following lines will be established:*
   - *Kurawar - Gadarwara switching station 765 kV S/c line (~210km),*
   - *Kurawar- Bhopal (BDTCL) 765 kV S/c line (~50Km)*
   - *Bhopal (BDTCL) - Gadarwara switching station 765 kV S/c line (~160km)*

4. *2x1500 MVA 765/400 kV ICTs and 2 Nos. 400 kV bays at Gadarwara-II (ISTS) shall be taken up under ISTS in the matching time-frame of Gadrawara-II – Gadarwara (STU) 400 kV D/c line of MPPTCL. The above scope is part of the "Network Expansion works in the Gadarwara & Chhindwara areas of Madhya Pradesh" scheme with an implementation timeframe of 31.03.2031.*

Dedicated Transmission System for 2x800 MW Gadarwara-II TPS of NTPC Ltd. (under the scope of NTPC):

- Provision of 330 MVAR, 765 kV Bus Reactor at Gadarwara -II TPS switchyard (Bus Section-II).

- 765 kV Bus Sectionaliser arrangement at Gadarwara Switchyard, such that:
  - Jabalpur (D/c line bays), 2x800 MW Gadarwara-I TPS, and the existing 330 MVAr Bus Reactor are on Bus Section-I and

- Warora (D/c line bays), 2x800 MW Gadarwara-II TPS & proposed 330 MVAr Bus Reactor are on Bus Section-II.
- The sectionalizer shall normally remain OPEN and may be closed, as per the Grid requirement.

- Gadarwara - II TPS (Sec-II) – Gadarwara (ISTS) 765 kV D/c line (~10km) along with bays at both ends

It was further noted that in the 42nd CMETS-WR meeting held on 26.02.2026, the following scope of work was agreed to be implemented under ISTS in the matching time frame of MPPTCL lines; however, it was opined that the same may be clubbed under Common Transmission System Augmentation for evacuation of power from 2x800 MW Gadarwara-II TPS and an additional 1500 MW RE power at Mandsaur S/s, which is finalised in this meeting.

Network Expansion works in the Gadarwara & Chhindwara areas of Madhya Pradesh	
Scope of the Transmission Scheme	**Capacity/ Route length**
Creation of 400 kV level and Implementation of 2x1500 MVA 765/400 kV ICTs along with 2 Nos. 400 kV bays at 765 kV Gadarwara switching station (ISTS)	• 765/400 kV, 1500 MVA ICT – 2 Nos. • 765kV ICT bay – 2 Nos. • 400 kV ICT bay – 2 Nos. • 400kV line bays – 2 Nos.
2 Nos. 400kV bays at Seoni (PG) 765/400kV S/s *(refer Note 1)*	• 400kV line bays – 2 Nos. [for Seoni (PG) 765 - Chhindwara (STU) 400kV DCDS (Quad Moose / High Capacity) line]

Implementation timeframe: *31.03.2031 (as confirmed by MPPTCL)*

Note:

1. *As per feedback from TSP (POWERGRID) of Seoni (PG) Substation, Bays no. 430 (In existing diameter of 765 kV ICT-3) and 426 & 427 (New diameter to be created) can be used for Termination of 400 kV Lines. Further, the Line Reactor available in the space for a new diameter is a Cold Spare and can be shifted if required. The scope of shifting/new foundation shall be considered in the present scope of work.*

In view of the above, the combined scope of **Common Transmission System Augmentation for evacuation of power from 2x800 MW Gadarwara-II TPS and an additional 1500 MW RE power at Mandsaur S/s,** as given below, was also agreed unanimously by all stakeholders:

Common Transmission System Augmentation for evacuation of power from 2x800 MW Gadarwara-II TPS and an additional 1500 MW RE power at Mandsaur S/s

Sl. No.	Scope of the Transmission Scheme	Capacity/ Route length
	Part A: Implementation Time-frame: 36 Months	
1.	Augmentation of Transformation capacity by 2x1500MVA, 765/400 kV ICT (5th& 6th) (Terminated at 400 kV & 765kV Bus Section-II) at Mandsaur PS.	765/400 kV, 1500 MVA ICT – 2 No. 765kV ICT bay – 2 No. on Sec-II 400 kV ICT bay – 2 No. on Sec-II.
2.	Augmentation of Transformation capacity by 3x500MVA, 400/220kV ICT (8th,9th& 10th) (Terminated on 400 kV Bus Section-II & 220kV Bus Section-III) at Mandsaur PS.	3x500MVA, 400/220kV ICT – 3 No. 400 kV ICT bay - 3 No. on Sec-II 220kV ICT bay - 3 No. on Sec-III.
3.	±400MVAr STATCOM at Mandsaur S/s	±400MVAr STATCOM – 1 No. 400kV bay - 1 No. on Sec-II
4.	Establishment of 765 kV Gadarwara switching station along with 2x330 MVAR 765kV bus reactors **Future provision (space for):** ➢ 765/400 kV, 1500MVA ICT along with bays- 6 Nos. (3 on Sec-I & 3 on Sec-II) ➢ 765 kV line bays along with switchable line reactors – 8 Nos. (2 Nos. on Sec-I & 6 Nos. on Sec-II) ➢ 765 kV, 330MVAr Bus Reactor along with bay: 2 Nos. (on Sec-II) ➢ 400 kV line bays along with switchable line reactors– 16 Nos. *(8 Nos. on Sec-I & 8 Nos. on Sec-II)* ➢ 420 kV, 125MVAr Bus Reactor along with bays: 4 Nos. (2 on Sec-I & 2 on Sec-II) ➢ 400/220kV ICT along with bays- 6 Nos. (3 on Sec-I & 3 on Sec-II) ➢ 220 kV line bays: 8 No. on Sec-I & 8 Nos. on Section-II ➢ 765 kV Sectionaliser bay: 1 -set ➢ 400 kV Sectionalization bay: 1- set	• 765 kV Line bays – 4 Nos. (on Sec-I) (2 Nos. for Kurawar D/c line and 2 Nos. for Gadarwara II TPS (Sec-II) D/c line) • 1x330 MVAr, 765 kV bus reactor- 2 Nos. (7x110 MVAR single phase Reactors including one spare Unit for bus /line reactors) • 765 kV Bus reactor bay – 2 Nos. (on Sec-I)

Sl. No.	Scope of the Transmission Scheme	Capacity/ Route length
	➢ 220 kV Sectionalization bay: 1 set ➢ 220kV BC Bay-2 No. ➢ 220kV TBC Bay-2 No.	
5.	Kurawar - Gadarwara switching station 765 kV D/c line with LILO of one circuit at Bhopal (BDTCL) S/s	~210Km Refer Note
6.	330MVAr switchable Line Reactor at Gadarwara switching station end of Kurawar – Gadarwara switching station 765kV line	• 330 MVAr, 765 kV switchable line reactor- 1 No. • 765 kV switchable Line Reactor Bay- 1 No. • 110MVAr, 1-Ph spare reactor already covered at Sl. 4
7.	240MVAr switchable Line Reactor at Bhopal(BDTCL) end of Bhopal(BDTCL) - Gadarwara switching station 765 kV line	• 240 MVAr, 765 kV switchable line reactor- 1 No. • 765 kV switchable Line Reactor Bay- 1 No. • Existing 80MVAr, 1-Ph spare reactor to be utilised
	Note: *1. With the above proposal at Sl. 5, the following lines will be established:* • *Kurawar - Gadarwara switching station 765 kV S/c line (~210km),* • *Kurawar- Bhopal (BDTCL) 765 kV S/c line (~50Km)* • *Bhopal (BDTCL) - Gadarwara switching station 765 kV S/c line (~160km)* *2. TSP of Kurawar S/s & Mandsaur S/s shall provide space (Free of cost) for the above scope of work*	
	Part B: Implementation Time-frame: 31.03.2031	
6.	Creation of 400 kV level and Implementation of 2x1500 MVA 765/400 kV ICTs along with 2 Nos. 400 kV bays at 765 kV Gadarwara switching station (ISTS)	• 765/400 kV, 1500 MVA ICT – 2 Nos. • 765kV ICT bay – 2 Nos. • 400 kV ICT bay – 2 Nos. • 400kV line bays – 2 Nos.

Sl. No.	Scope of the Transmission Scheme	Capacity/ Route length
7.	2 Nos. 400kV bays at Seoni (PG) 765/400kV S/s (refer Note 1 & 2)	400kV line bays – 2 Nos. [for Seoni (PG) 765 - Chhindwara (STU) 400kV DCDS (Quad Moose / High Capacity) line]
	Note: 1. *As per feedback from TSP (POWERGRID) of Seoni (PG) Substation, Bays no. 430 (In existing diameter of 765 kV ICT-3) and 426 & 427 (New diameter to be created) can be used for Termination of 400 kV Lines. Further, the Line Reactor available in the space for a new diameter is a Cold Spare and can be shifted if required. The scope of shifting/new foundation shall be considered in the present scope of work.* 2. *TSP of Seoni S/s (POWERGRID) shall provide space (Free of cost) for the above scope of work* 3. *MPPTCL shall implement Seoni (PG) - Chhindwara (STU) 400kV DCDS (Quad Moose / High Capacity) line in matching time-frame of Sl. 7*	

Agenda 2: <u>MPPTCL Proposals to CTU</u>

Proposal-1: Providing space for construction of 2 Nos. 220 kV feeder bays at Handia (ISTS) 400 kV S/s for termination of 220 kV DCDS line from proposed Bagli (Dewas) 220 kV S/s – Agenda by MP-STU (MPPTCL)

It was informed that MPPTCL vide letter dated 19.02.2026, has requested to provide space for the construction of 2 Nos. 220 kV feeder bays at Handia (ISTS) 400 kV S/s for termination of 220 kV DCDS line from proposed Bagli (Dewas) 220 kV S/s.

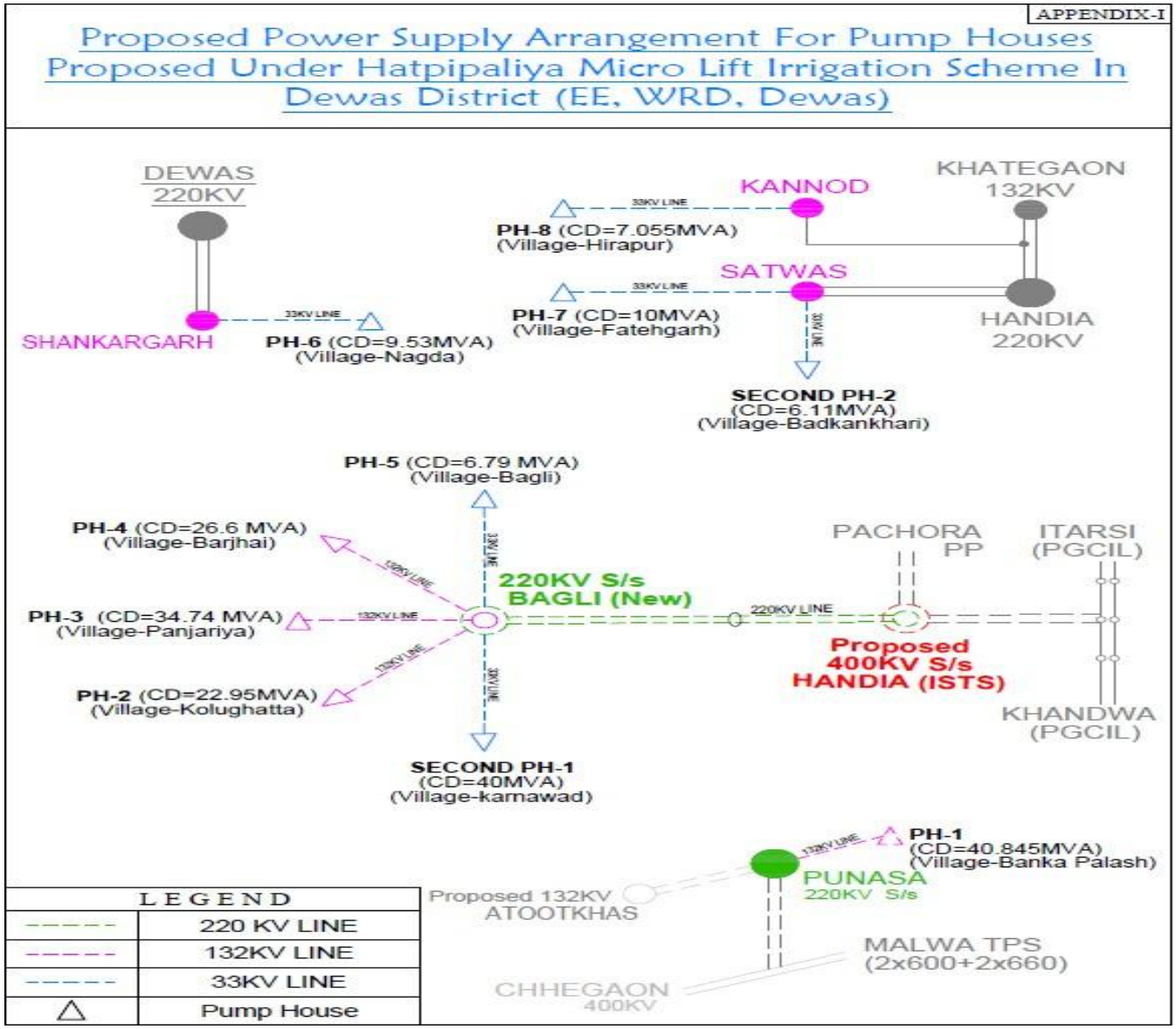
In this regard, MPPTCL stated the following:

- The Water Resource Department (WRD), GoMP has planned a Hatpipaliya Micro Lift Irrigation Scheme (MLIS) to supply water through pressurized irrigation in Dewas & Khandwa districts. Under the MLIS, 10 Nos. pump houses have been planned, with a total load requirement of about 175 MVA. The timeline of the power requirement is January 2028.
- In-house system studies were carried out to examine the technical feasibility of providing power supply to the aforementioned WRD project. It was observed that the pump houses are geographically distributed and that capacity margins are not available at nearby EHV Substations such as Chapda 220 kV S/s and the proposed Punasa 220 kV S/s.

- In view of the above, to extend power supply to the pump houses, the following transmission system works would be required, to be developed at the cost of EE, WRD, Dewas:

  a) Establishment of new 220/132 kV substation near Bagli (District-Dewas) with 2x200 MVA, 220/132 kV + 2x50 MVA, 132/33 kV transformation capacity.
  b) Laying of 220 kV DCDS line from proposed Handiya (ISTS) 400 kV S/s to New 220 kV S/s near Bagli.
  c) Construction of 2 Nos. 220 kV feeder bays at Handiya (ISTS) 400 kV S/s for termination of 220 kV DCDS line. (subject to approval of CTUIL).
  d) LILO of Sivni – Kishangarh 132 kV line at new 220 kV S/s near Bagli.
  e) Installation of additional 1x200 MVA, 220/132 kV ICT (3rd) at proposed Punasa 220 kV S/s for connectivity to Pump House-1 & 1A.

- It was further mentioned that out of 175 MVA load envisaged under the MLIS, the **102 MVA** is proposed to be fed from Bagli 220 kV S/s.
- In view of the above, the CTUIL was requested to examine the proposal and confirm the availability of space for the construction of 2 Nos. 220 kV feeder bays at Handia (ISTS) 400 kV S/s, at the earliest, to enable MP-STU (MPPTCL) to proceed further.
- Based on the above analysis, MPPTCL submitted that strengthening of the intra-state transmission network through establishment of a new 220/132kV substation near Bagli (New) and construction of new 220 kV DCDS line from Bagli (New) 220kV S/s to Handia (ISTS) 400kV S/s would ensure a reliable power supply arrangement to meet the future demand of the region. The single line diagram depicting the proposed arrangement was placed before the meeting.


APPENDIX-I
Proposed Power Supply Arrangement For Pump Houses Proposed Under Hatpipaliya Micro Lift Irrigation Scheme In Dewas District (EE, WRD, Dewas)
DEWAS 220KV
SHANKARGARH
33KV LINE
PH-6 (CD=9.53MVA) (Village-Nagda)
KANNOD
PH-8 (CD=7.055MVA) (Village-Hirapur)
SATWAS
PH-7 (CD=10MVA) (Village-Fatehgarh)
KHATEGAON 132KV
HANDIA 220KV
SECOND PH-2 (CD=6.11MVA) (Village-Badkankhari)
PH-5 (CD=6.79 MVA) (Village-Bagli)
PH-4 (CD=26.6 MVA) (Village-Barjhai)
PH-3 (CD=34.74 MVA) (Village-Panjariya)
PH-2 (CD=22.95MVA) (Village-Kolughatta)
220KV S/s BAGLI (New)
132KV LINE
220KV LINE
PACHORA PP
ITARSI (PGCIL)
Proposed 400KV S/s HANDIA (ISTS)
KHANDWA (PGCIL)
SECOND PH-1 (CD=40MVA) (Village-karnawad)
PH-1 (CD=40.845MVA) (Village-Banka Palash)
PUNASA 220KV S/s
Proposed 132KV ATOOTKHAS
MALWA TPS (2x600+2x660)
CHHEGAON 400KV
LEGEND
220 KV LINE
132KV LINE
33KV LINE
Pump House

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- Accordingly, CTUIL was requested to consider and accord approval to the proposal and convey confirmation on the following:

  i. Availability of space for the construction of 2 Nos. 220 kV feeder bays at Handia (ISTS) 400 kV S/s.
  ii. Tentative estimated cost, mode of implementation, and timeline of construction of feeder bays by TSP.
  iii. Layout drawing of Handia (ISTS) 400 kV S/s indicating the allotted 2 nos. of 220 kV bays to MP-STU.

CTU stated that Handiya S/s is presently under Construction as part of ***"Transmission system for Evacuation of Power from RE Projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh-Phase III and Evacuation of Power from RE Projects in Neemuch (1000 MW) SEZ in Madhya Pradesh-Phase II",*** with an implementation timeframe- 19.09.2027.

CTU further stated that MPPTCL is required to implement the following scope of works in the matching time-frame of Handiya (ISTS) S/s, as confirmed by MPPTCL vide e-mail dated 23.07.2024:

Sl. No.	***Name of Work***	***Line Length (km)***
1	LILO of both Circuit of Handia (MPPTCL) to Bisonikala (TBCB) 220 kV lines at Handia 400 (New ISTS S/s).	2x10 km (Approx)
2	LILO of Itarsi (MP) to Handia (MPPTCL) 220 kV line at Handia 400 kV (New ISTS S/s).	10 km (Approx)
3	LILO of Itarsi(MP) to Barwaha(MP) 220kV line at Handia 400 (New ISTS S/s).	10 km (Approx)

For the above scope, 8 nos. of 220 kV line bay on Bus Section-I are already being implemented for MPPTCL under the said RE evacuation scheme**.**

Further, to implement the requested scope related to Bagli connectivity, 2 nos. of 220 kV line bays on Bus Section-II, along with the 220 kV Sectionalizer bay, are required to be implemented in the matching time-frame of the Handia - Bagli (New) 220 kV D/c line i.e. by 31.08.2028, as confirmed by MPPTCL.

Details of the required scope are as under:

- Creation of 220kV Bus Section-II:
    - 220 kV Sectionalization bay: 1 set
    - 220 kV TBC: 1 No.
    - 220 kV BC: 1 No.
- 220kV line bay: 2 Nos. (Bus Section-II)

  Implementation Time-frame: 31.01.2028, as confirmed by MPPTCL.

CTU stated that creation of bus sectionalisation at this stage is preferable, considering that 8 nos. 220 kV line bays are already terminated at Bus Section-I, and space for an additional 8 nos. 220 kV bays has been earmarked on Bus Section-II (Future) at Handia S/s as per the RfP documents.

CTU further stated that the planned 400/220 kV 2x500 MVA ICTs at Handia S/s are adequate to cater to the enhanced drawal of about 100 MW towards the Bagli area.

MPPTCL requested that the scope of Creation of 220 kV Bus Section-II may be consider under ISTS in the matching time-frame of 2 nos. 220 kV lines, which MPPTCL proposes to implement at the cost of the drawee entities in the Bagli area.

CTU highlighted that splitting the scope between ISTS and In-STS may lead to execution related challenges such as involvement of multiple agencies, mismatches in execution timelines, and associated liabilities. Accordingly, it was decided that the entire scope shall be implemented either by MPPTCL or fully under ISTS for ease of implementation. It was also decided that the minimum implementation schedule shall be 21 months from the date of allocation of works.

MPPTCL subsequently proposed that the entire scope, including creation of 220 kV Bus Section-II and 220 kV line bays, be implemented under ISTS, while the Handia–Bagli (New) 220 kV D/c line shall be implemented under In-STS, with the matching timelines.

Further, MPPTCL vide email dated 22.04.2026 confirmed that the implementation of 2 Nos. of 220 kV line bays along with associated works at Handia (ISTS) substation may be undertaken under ISTS, in matching timeframe of construction of the Handia – Bagli (New) 220 kV D/c line being implemented by MPPTCL.

After deliberations, the following was agreed to be implemented under ISTS:

Western Region Bay Scheme-II (WRBS-II): Implementation of 2 Nos. 220 kV line bays at Handia S/s for Handia - Bagli (New) 220 kV D/c line

Sl. No.	Scope of the Transmission Scheme	Capacity/ Route length
1.	Creation of 220 kV Bus Section-II at 400/220 kV Handia S/s	○ 220 kV Sectionalization bay: 1 set ○ 220 kV TBC: 1 No. ○ 220 kV BC: 1 No.
2.	2 nos. 220 kV line bays (on Bus Section-II) at 400/220 kV Handia S/s (for termination of Handia - Bagli (New) 220 kV D/c line)	○ 220kV line bays (on Bus Section-II): 2 nos.

Note:

1. Implementation Timeframe: 31.01.2028, with a minimum implementation period of 21 months, as agreed by MPPTCL.
2. MPPTCL shall implement the Handia - Bagli (New) 220 kV D/c line in the matching timeframe.

Proposal-2: Request for Evolving Interim Power Evacuation Arrangement for the evacuation of 1230 MW (MP share) power from 2x800 MW Mahan TPS-2 of M/s Mahan Energen Ltd. (MEL), Singrauli (MP).

It was informed that MPPTCL vide letter dated 25.02.2026 has requested CTUIL for evolving an Interim Power Evacuation Arrangement for the evacuation of 1230 MW (MP share) power from 2x800 MW Mahan TPS-2 of M/s Mahan Energen Ltd. (MEL), Singrauli (MP).

In this regard, MPPTCL has stated the following:

- With reference to the above subject, it is submitted that M/s Mahan Energen Ltd. (MEL), a subsidiary of Adani Power Ltd., has planned to establish 2x800 MW Mahan TPS-2 at Singrauli (MP). The Madhya Pradesh Power Management Company Limited (MPPMCL) has executed a Power Supply Agreement (PSA) with M/s MEL for the procurement of 1230 MW power (MP share) from the said generating station.
- The planning of the power evacuation system for the above project was deliberated in detail with Central Transmission Utility of India Limited (CTUIL) and other concerned stakeholders. After comprehensive discussions and technical evaluation, it was decided that evacuation of power would be carried out through a combination of Intra-State (for 1230 MW) and Inter-State Transmission System (ISTS) (for 280 MW) networks. The approved transmission scheme was subsequently communicated by CTUIL vide letter dated 30.01.2024.
- In this connection, it is further submitted that the planned Intra-State transmission system was awarded to M/s Mahan Transmission Ltd. (MTL), a subsidiary of Adani Transmission Ltd., through the Tariff-Based Competitive Bidding (TBCB) route, aligning with the scheduled commissioning timeline of the 2x800 MW Mahan TPS-2 of M/s MEL.
- However, as observed during project review meetings, while construction of 2x800 MW Mahan TPS-2 is progressing as per the planned schedule (Unit-1 by April'2027 and Unit-2 by October'2027), there is a likelihood that the associated Intra-State power evacuation transmission infrastructure may not be commissioned in the matching timeframe due to facing problems in substation land acquisition, statutory approval, etc. by M/s MTL. It is pertinent to mention that, as per the provisions of the PSA, the requisite Intra-State transmission system is required to be made available at least six months before the scheduled commissioning of the respective generating units (i.e., by October'2026 for Unit-1 and April'2027 for Unit-2).
- In view of the above and considering the anticipated delay in implementation of the Intra-State power evacuation system, it is requested that CTUIL may kindly examine and evolve an alternate/interim power evacuation arrangement to facilitate evacuation of 1230 MW (MP share) from the 2x800 MW Mahan TPS-2 of MEL, to ensure seamless integration of the generating station and avoid any generation backing down on account of transmission constraints/ other issues.

For the above proposal, it may be noted that:

a) M/s Mahan Energen Limited (MEL) has an existing 2x600 MW Mahan TPS-1 under Phase-I, which is connected to ISTS at the Bilaspur (ISTS) substation.

b) Under Phase-II, 2x800 MW Mahan TPS-2 is under implementation by Mahan Energen Limited (MEL) *[connectivity under Intra-State is 1320 MW, whereas connectivity under ISTS is 280 MW]*

c) M/s MEL has also applied connectivity for its 2x800 MW Mahant TPS-3 under ISTS.

Also, based on the study results and the joint study with MMPTCL held on 15.01.2026 & 16.01.2026, it was discussed that connectivity may be granted to 2x800 MW Mahan TPS-3 at the 400 kV level. However, due to the high degree of interconnection between In-STS and ISTS networks, the following downstream In-STS system needs to be explicitly included in the grant of connectivity to Mahan TPS-3. This In-STS is essential to maintain balanced power flows across the In-STS & ISTS network and to ensure operational reliability:

Under the scope of ISTS:

- 2x600 MW Mahan TPS 1 – Bilaspur PS (ISTS) 400 kV D/c (Quad) line (Existing)
- 2x600 MW Mahan TPS 1 – Rewa (ISTS) 400 kV D/c (Quad ACSR /AAAC /AL59 moose equivalent) line along with bays at Rewa PS (awarded to POWERGRID under TBCB) with SCOD of 04.12.2027
- 2 nos. 400 kV line bays at Mahan TPS-1 (for Rewa line) are already existing (under the scope of MEL)

Under the scope of InSTS:

- 2x800 MW Mahan TPS 2 - Rewa (Sagra) 400 kV DCDS (Quad) line (awarded to Mahan Transmission Ltd.- AESL)
- Rewa (Sagra) - Amarpatan 400 kV DCDS line (Quad / Twin Moose) Awarded to Mahan Transmission Ltd. - AESL)
- LILO of one circuit of Damoh (PG) – Katni (MPPTCL) 400 kV D/c (Twin Moose) line at Amarpatan (TBCB) 400 kV S/s (along with 50 MVAr Switchable line reactor at Amarpatan (TBCB) end for Damoh (PG) – Amarpatan 400 kV S/c line) – In-STS (Under Approval) (refer note-a)

Under the scope of MEL:

- Interconnection of 2x600 MW Mahan TPS 1, 2x800 MW Mahan TPS 2 and 2x800 MW Mahan TPS 3 at 400 kV level.

Note:

a) The same shall be carried out after upgrading the existing Damoh - Katni 220 kV S/c line to 400 kV level.

The above system is expected to be progressively implemented by Mar-2031.

MPPTCL stated that the proposed Interconnection of 2x600 MW Mahan TPS 1, 2x800 MW Mahan TPS 2, and 2x800 MW Mahan TPS 3 at 400 kV level may lead to higher power flows towards STU network and requested that they be granted connectivity in such a manner that In-STS system is not overloaded.

It was informed that from the study results in the joint study with MPPTCL held on 15.01.2026 & 16.01.2026, peak flow of about 1400 MW is observed across various load flow scenarios, which were studied. In other scenarios, flow is observed to be significantly less. MP already has 1230 MW share from the 2x800 MW Mahan TPS-2 of MEL, and hence the peak loading is nearly matching with MP's own share. Planning additional transmission system to enable connectivity for 2x800 MW Mahan TPS 3 would entail additional transmission system under ISTS, whose cost would anyway have to be borne by all DICs, and it is best to optimise and utilise available ISTS and In-STS in the area.

MPPTCL stated that they shall also examine the study results, and the matter may be discussed separately.

Regarding request for evolving Interim Power Evacuation Arrangement for the evacuation of 1230 MW (MP share) power from 2x800 MW Mahan TPS-2 of M/s Mahan Energen Ltd. (MEL), CTU stated that in the 25th CMETS-WR, it was already informed that 280 MW power generated from the 2x800 MW Mahan TPS-2 cannot be reliably evacuated with just the interconnection of 2x800 MW Mahan TPS-2 and 2x600 MW Mahan TPS-1 utilising 2x600 MW Mahan TPS-1 – Bilaspur Pool 400 kV D/c line, on account of system instability as angular difference on 2x600 MW Mahan TPS-1 – Bilaspur Pool 400 kV D/c line is seen to be relatively large (~28 deg) and oscillations are observed on the line even for complete evacuation of 2x600 MW Mahan TPS-1. In view of the above, the possibility of an interim arrangement utilising the available ISTS system in the area is not feasible.

MPPTCL was requested to intimate the availability of any In-STS system in the area, which may be utilised for the said interim arrangement.

MPPTCL stated that there is no nearby In-STS system that can help to evacuate 1230 MW (MP share) from the 2x800 MW Mahan TPS-2 of MEL.

MPPTCL also noted regarding non-availability of ISTS in the area for evacuation of 1230 MW (MP share) from the 2x800 MW Mahan TPS-2 of MEL and stated that inform the same to MEL / MPPMCL accordingly.

Agenda 3: Proposal for Additional ISTS Drawl Point at Dahej to Cater to Growing Industrial Load

It was informed that GETCO vide email dated 05.03.2026 has requested an additional ISTS Drawl Point at Dahej to cater to the growing industrial load. The Dahej area in Gujarat is a rapidly growing industrial hub with substantial existing and upcoming load growth. Multiple transmission lines are presently connected to the Dahej region, and further network strengthening schemes are planned under the Intra-State Transmission System by Gujarat Energy Transmission Corporation Limited (GETCO) and will be implemented in a phased manner. However, considering the dense industrial pocket and the limited availability of RoW in the area, the laying of multiple transmission lines has become more challenging. Therefore, it is advisable to have coordinated ISTS-InSTS planning to optimize the overall transmission requirement in the area.

In this regard, STU Gujarat has informed the following points for consideration:

- 220 kV TPL-D is a distribution licensee in the Dahej area owned by TPL with a load of around 125 MW
- 220 kV TPL-D is connected through 220 kV DGEN switchyard with an intra-state network through 220 kV S/C line with 220 kV Dahej and 220 kV Suva substation of GETCO
- 400 kV D/c DGEN – Navsari (PG) line is a dedicated line of DGEN CCPP for ISTS connectivity at 400kV Navsari (PG) substation
- 400/220 kV, 2 x 315 MVA ICTs at DGEN remain ideally charged as disconnected from the intra-state connected 220 kV DGEN switchyard

GETCO submitted the following:

- In real time grid operation, the 400 kV S/c Navsari (PG) – Vav (GETCO) line is frequently getting critically loaded, and SLDC-Gujarat needs to open multiple elements to control line loading. Similarly, some of the 220 kV lines associated with the Dahej area are also getting critically loaded due to high demand in the South Gujarat region. At the same time, a high-capacity

transmission corridor, i.e., 400 kV D/c DGEN-Navsari (PG) line, along with a feeding point located in a dense demand potential pocket, i.e., 400/220 kV DGEN switchyard, remains ideal considering a dedicated asset.

- Therefore, considering the critical loading of the transmission network in the South Gujarat area, accelerating industrial demand, and to ensure a reliable and quality power supply in the Dahej industrial area, GETCO (as STU) proposes the usage of a readily available dedicated asset of DGEN as an additional ISTS drawl point in the Dahej area by simply interconnecting 220 kV DGEN switchyard connected with the intra-state as well as ISTS system. The interconnection will immediately remove critical loading of the 400 kV S/c Navsari (PG) – Vav (GETCO) line, along with flexibility in operation of the 220 kV network in the area.

It was opined that upon commissioning of Transmission Network Expansion in Gujarat to increase ATC from ISTS: Part B scheme (expected by Mar'26) including Navsari - Padghe 765 kV D/c line & Navsari - Kala 400 kV D/c line, loading on Navsari (PG) – Vav (GETCO) 400 kV S/c line is expected to reduce as it will provide a parallel path from Navsari to load centres in Gujarat & Maharashtra.

GETCO stated that 220 kV Haldarwa area's Gas projects are generally not generating any power, and overloading issues are observed in the In-STS system in the Dahej area. 765/400/220kV Navsari (New) S/s (ISTS) will feed load in and around the Surat area (Sachin/Khajod/Navsari) and the present proposal is to feed load in Dahej area.

Part B: Application-related matters in Western Region

1. Applications for Connectivity to ISTS under Regulation 4.1, 4.2,5.2, 5.6, 5.7 and 5.11(a)

It was informed that in view of the notification and coming into effect of the 3rd Amendment of Connectivity & GNA Regulations 2022, the transition process is to be undertaken for the applicable entities. Accordingly, applications received prior to the notification of the 3rd amendment (09.09.2025) shall be processed only after the completion of the transition process.

Thereafter, the processing of applications received after notification of the 3rd amendment (09.09.2025) shall be taken up.

Nevertheless, the list of applications received by CTU in WR during January 2026 was mentioned as per details below:

For applications at Sl. No. 1,3,4 and 5, the following was informed:

Para 21 to 23 of 14/SM/2025 order dated 08.12.2025 provides that:

> *"21. We are of the view that such additional capacity which has been installed to meet reactive power compliance or for meeting losses or any other technical compliance should not be considered as an additional capacity for purpose of seeking additional Conn-BGs, as capacity under Regulation 5.2 of the GNA Regulations.*
> *22. Considering the above and in the interest of the sector, we relax the provision under Regulation 5.1 of the GNA Regulations only for the REGS and allow the RE Developers to install additional inverters, WTGs, or equivalent equipment for meeting technical compliances at the Point of Injection (POI). There shall not be any requirement of furnishing additional Conn-BGs and compliance of Regulation 5.8 of the GNA Regulations for such additional capacity to meet the reactive power compensation, internal losses (DTL loss), or any other technical compliance at the Point of Injection (POI), either applied under Regulation 5.1 or applied under Regulation 5.2.*
> *23.* ***CTUIL shall confirm such additional capacity through system studies conducted for Conn-4 and allow the additional capacity for the quantum which is required only to meet the reactive power compensation, internal losses (DTL loss), or any other technical compliance at the Point of Injection (POI) and that active power injection shall not exceed quantum of Connectivity granted at POI****."*

As per the above order, based on the Conn-4 studies, additional capacity for the quantum which is required only to meet the reactive power compensation, internal losses (DTL loss), or any other technical compliance at the Point of Injection (POI) shall be ascertained and the applications at Sl. No. 1,3,4 and 5 shall be processed accordingly.

Jan-26

S No.	Application ID	Connectivity Application Type	Name of the Applicant	Submission Date	Submission Time	Criterion for applying	Energy Source	Location (Requested)	Quantum	Type of Connectivity required	Start date of Connectivity
1.	2200003002	Application for the addition of Generation Capacity, including ESS, within the quantum of connectivity granted under Regulation 5.2	Ayana Renewable Power Four Private Limited	03-Jan-26	13:32:03	Land BG Route	Solar	Zura, Kutch	0	Addition of generation capacity for technical compliance. Revised coordinates submitted vide email dated 23.02.2026, i.e., Latitude: 23.44, Longitude: 69.61, to be considered.	Start date of additional generation capacity: (requested) 28.02.2026 15.04.2026 (revised)

- Energy Source: 8.4 MW Solar
- Name & Application number of already granted Connectivity: M/s ARPFPL - 2200000240
- Cumulative Connectivity granted: 150 MW (Solar)
    - 75 MW commissioned. Out of the revoked 75 MW Connectivity, 37.5 MW is commissioned in Jan'26 & balance 37.5 MW will be commissioned by Mar'26.
- Firm start date of Connectivity and Transmission system: 31.12.2024 (Existing Transmission System), effective
- Owner of additional generation capacity: Self

The subject application is for meeting active power losses and other technical compliances as mentioned by the applicant in its undertaking and the intimation will be issued accordingly.

It was informed that, CTU vide letter dated 03.12.2025 has revoked 75 MW out of 150 MW connectivity granted to ARPFPL (2200000240) is revoked due

S No.	Application ID	Connectivity Application Type	Name of the Applicant	Submission Date	Submission Time	Criterion for applying	Energy Source	Location (Requested)	Quantum	Type of Connectivity required	Start date of Connectivity
to non-compliance under 24.6(1) a (ii) of GNA Regulations. Technical Connection details for subject 150 MW solar Power Plant have already been issued wherein 8.4 MW additional generation (rated) capacity has been considered by the entity for meeting active power losses and other technical compliances at POI as per the CEA Technical Standards for Connectivity to grid. However, considering the revocation of 75 MW Connectivity, 4.2 MW additional generation capacity can only be granted under 5.2 for meeting active power losses and other technical compliances at POI. In this respect, representative of Ayana stated that Petition No 550/MP/2025 has been filed by them before CERC seeking inter-alia an extension of the start date of connectivity as per the Intimation of final grant of Connectivity dated 19.01.2024 and quashing of the invoices dated 07.02.2025 and 03.03.2025 issued by CTUIL. The matter is presently sub-judice and the order may be passed by CERC within two weeks. Accordingly, they requested that the application may be taken up for discussions in the next CMETS meeting. Accordingly, it was decided that the application would be taken up for discussions in the next CMETS meeting.											
2.	2200003009	Application for Connectivity to ISTS under Regulation 4.1, 4.2, 5.6, 5.7, and 5.11	Tata Power Renewable Energy Limited	07-Jan-26	12:54:43	Land BG Route	Solar	Village Raghanesda, Banaskantha, Gujarat	2000	Solar Hour Access **[Reg. 5.11(b) or (c)]**	
Following was informed w.r.t. above application: • **As** on date, total 96.2 GW potential is declared in Gujarat including 3 GW potential in Raghanesda, Banaskantha area of Gujarat. • **Against** total declared RE potential of 96.2 GW under ISTS in Gujarat, Transmission System for evacuation of about 65 GW renewable capacity is existing or under various stages of implementation (under construction / bidding) in Gujarat to cater to various RE connectivity applications received in the state. Out of this, major capacity of about 54.7 GW transmission capacity has been planned in Kutchh / Banaskantha areas of Gujarat (about 30.5 GW in Khavda area and 24.2 GW in Bhuj / Banaskantha and Lakadia areas). • **Out of the 54.7 GW system, ISTS Transmission System** under construction in Raghanesda, Banaskantha area is **3.5 GW**. • Total connectivity applications received in Raghanesda, Banaskantha area is about 10.65 GW (i.e. *7.65 GW beyond 3GW potential already declared*), as detailed below:											

S No.	Application ID	Connectivity Application Type	Name of the Applicant	Submission Date	Submission Time	Criterion for applying	Energy Source	Location (Requested)	Quantum	Type of Connectivity required	Start date of Connectivity

- Granted: 3.45 GW
- **Under Process: 7.2 GW**

- The subject Connectivity application no. 2200003009 (2000 MW) received from Tata Power Renewable Energy Limited at Raghanesda PS under Land-BG route falls beyond the already granted 3.45 GW at Raghanesda PS (i.e., it is part of the 7.2 GW under process applications).
- The major issues being faced while planning additional transmission system in Gujarat are:
  - **Concentration Risk:**
    - Majority of RE in Gujarat is mainly concentrated in Kutchh/Banaskantha areas of Gujarat.
    - High risk of simultaneous generation loss and variability due to factors such as cloud cover, cyclone, and extreme weather events, which may be detrimental to grid security and the availability of reliable power at the national level.
  - **No nearby Load Points & Need for HVDC:**
    - Nearby Load Centres in North/Central Gujarat are already exhausted
    - Above necessitates long-distance (over 1000 km) point-to-point power transfer to remote load centres - **HVDC**.
  - **High Cost**: Progressive increase in transmission cost, due to the growing requirement of the HVDC system

Status of Transmission System Planning for granting connectivity to under process applications in Gujarat (Esp. in Khavda area)

- Transmission systems for Khavda Phase-VI (5.5 GW) and Phase-VII (6 GW) were deliberated in the 37th NCT meeting on 19.01.2026, where it was noted that the scheme for 11.5 GW was formulated considering 9–10 GW GH/GA demand out of MNRE's projected 35.19 GW by 2031 in Mundra/Kandla. In case of non-materialization or delay of GH/GA loads, significant additional transmission mainly HVDC systems would be required for evacuation to distant states, along with new load points for HVDC termination, leading to substantial infrastructure and cost escalation.
- It was agreed that the scheme would proceed only after visibility of GH/GA demand in Mundra and Kandla. However, in the 40th NCT meeting, MNRE provided no visibility of Green Hydrogen in these areas, necessitating a review of Khavda Phase-VI & VII systems to suit lower evacuation capacity. Meanwhile, additional applications totalling about 12 GW have been received in Khavda beyond the 42 GW capacity of Phase-VII (Terra Clean: 0.35 GW, Adani Green: 1.05 GW, Reliance: 10.5 GW).

S No.	Application ID	Connectivity Application Type	Name of the Applicant	Submission Date	Submission Time	Criterion for applying	Energy Source	Location (Requested)	Quantum	Type of Connectivity required	Start date of Connectivity
• Further transmission planning for these, including additional 7.2 GW applications at Raghanesda, is not feasible without identification of new load points near Gujarat and is proposed to be undertaken based on CEA's RA plan, aligned with actual RE capacity integration requirements in the state. • Accordingly, it was noted that the application of Torrent Saurya Urja 2 Pvt. Ltd. shall be processed upon declaration of additional potential in Raghanesda area and evaluation & approval of transmission capacity beyond 3.5 GW at Raghanesda PS (i.e., Raghanesda Phase-II).											
3.	2200003031	Application for the addition of Generation Capacity, including ESS, within the quantum of connectivity granted under Regulation 5.2	Sarjan Realities Private Limited	19-Jan-26	11:53:53	NA	Solar	Khavda, Kachchh	0	For technical compliance	Start date of additional generation capacity (requested): 37.8MW (Solar) 31.03.2026 29MW (BESS) 30.06.2026: with availability of Khavda Phase-III
• Energy Source: 66.8 MW (Solar: 37.8 MW, BESS: 29 MW) • Name & Application number of already granted Connectivity: M/s SRPL - 0230700012 • Cumulative Connectivity granted: 1250 MW (Solar: 1176 MW Wind: 156 MW BESS: 475 MW) (final grant dated 25.07.2024, 5.2 grants (22000001498 & 2200002008) dated 23.01.2026 & 22.01.2026) • Firm start date of Connectivity and Transmission system: 26.12.2025 (with the availability of Khavda Phase III transmission system) • Owner of additional generation capacity: Self											

S No.	Application ID	Connectivity Application Type	Name of the Applicant	Submission Date	Submission Time	Criterion for applying	Energy Source	Location (Requested)	Quantum	Type of Connectivity required	Start date of Connectivity
It was informed that the technical Connection details for subject RE Power Plant have already been issued wherein 66.8 MW (Solar: 37.8 MW, BESS: 29 MW) additional generation (rated) capacity has been considered by the entity for meeting active power losses and other technical compliances at POI as per the CEA Technical Standards for Connectivity to grid. After deliberations, the above generation capacity addition was agreed to be granted, and M/s SRPL was requested to note that the net injection at any point of time shall not exceed the total Connectivity quantum of 1250 MW, as granted to the existing Connectivity grantee, M/s SRPL (Appl. No. 0230700012). Further, with the above additional capacity (66.8 MW) under 5.2 for meeting technical compliance, solar hour access with injection scheduling rights during solar hours & non-solar hours would remain same (as mentioned above). The subject application is for meeting active power losses and other technical compliances as mentioned by the applicant in its undertaking and the intimation will be issued accordingly. Furthermore, M/s SRPL shall be responsible for ensuring compliance with the Grid Code and other regulations of the Central Commission for the above additional generation capacity, in its role as the 'Lead Generator' under clause (y)(ii) of Regulation 2.1.										
4.	2200003054	Application for the addition of Generation Capacity, including ESS, within the quantum of connectivity granted under Regulation 5.2	Adani Renewable Energy Holding Four Limited	22-Jan-26	12:47:38	NA	Solar	Khavda, Kachchh	0	For technical compliance	Start date of additional generation capacity (requested): 31.03.2026
• Energy Source: 18.6 MW Solar • Name & Application number of already granted Connectivity: M/s AREHFL - 1200002437 • Cumulative Connectivity granted: 500 MW (Solar) (Conversion of LTA to deemed GNA 22.09.2023) • Firm start date of Connectivity and Transmission system: Khavda phase I (effective) • Owner of additional generation capacity: Self											

S No.	Application ID	Connectivity Application Type	Name of the Applicant	Submission Date	Submission Time	Criterion for applying	Energy Source	Location (Requested)	Quantum	Type of Connectivity required	Start date of Connectivity
The subject application is for meeting active power losses and other technical compliances as mentioned by the applicant in its undertaking and the intimation will be issued accordingly. With respect to consideration of above additional generation capacity, required for meeting technical compliances as per CEA Technical Standards for Connectivity to Grid, details (as per CTU advisory) is awaited from the entity. During the meeting, it was deliberated that in line with CTU advisory dated 09.01.2026, entities are required to furnish the signed copy of Annexure-A and substantiate the additional generation capacity (required for meeting technical compliances) by steady state simulation study results along with simulation files. Entity mentioned that they will submit the requisite data within seven days from the meeting. The requisite data as sought above have not been received till date, accordingly, the subject application will be discussed in the upcoming CMETS meeting.											
5.	2200003053	Application for the addition of Generation Capacity, including ESS, within the quantum of connectivity granted under Regulation 5.2	Adani Renewable Energy Holding Four Limited	22-Jan-26	12:48:21	NA	Solar	Khavda, Kachchh	0	For technical compliance	Start date of additional generation capacity (requested): 05.11.2026
• Energy Source: 27.7 MW Solar • Name & Application number of already granted Connectivity: M/s AREHFL -1200002678 • Cumulative Connectivity granted: 2000 MW (Solar) (Conversion of LTA to deemed GNA 22.09.2023) • Firm start date of Connectivity and Transmission system: LTA - 500 MW (effective) + 417 MW (1.10.2026 with the availability of Khavda Phase-II transmission system) • Owner of additional generation capacity: Self											

S No.	Application ID	Connectivity Application Type	Name of the Applicant	Submission Date	Submission Time	Criterion for applying	Energy Source	Location (Requested)	Quantum	Type of Connectivity required	Start date of Connectivity
The subject application is for meeting active power losses and other technical compliances as mentioned by the applicant in its undertaking and the intimation will be issued accordingly. With respect to consideration of above additional generation capacity, required for meeting technical compliances as per CEA Technical Standards for Connectivity to Grid, details (as per CTU advisory) is awaited from the entity. Details to be submitted shortly. During the meeting, it was deliberated that in line with CTU advisory dated 09.01.2026, entities are required to furnish the signed copy of Annexure-A and substantiate the additional generation capacity (required for meeting technical compliances) by steady state simulation study results along with simulation files. Entity mentioned that they will submit the requisite data within seven days from the meeting. The requisite data as sought above have not been received till date, accordingly, the subject application will be discussed in the upcoming CMETS meeting.											

Applications for Pump Storage Capacity

S No.	Application ID	Connectivity Application Type	Name of the Applicant	Submission Date	Submission Time	Criterion for applying	Energy Source	Location (Requested)	Quantum	Type of Connectivity required	Start Date
1.	2200003011	Application for Connectivity to ISTS under Regulation 4.1, 4.2, 5.6, 5.7 and 5.11	Adani Renewable Energy One Limited (AREOL)	08-Jan-26	13:17:19	NA	Pump Storage	Kalambe, Satara, Maharashtra	1800MW (Inj: 1500MW, Drawal: 1800MW)	Full day access	31/03/2029

It was informed that a meeting was held under the Chairperson, CEA, on 28.05.2024 to deliberate on planning of the transmission system for the evacuation of power from Pumped Storage Projects (PSPs). During the meeting, it was informed that transmission system augmentation for multiple developers of PSPs coming in proximity may be considered as a common augmentation for multiple users. Further, it was decided that while granting connectivity to PSPs, CTUIL should specify that PSPs should not operate in generating mode during high RE generation period (i.e., solar hours). However, PSPs may inject power during such periods depending upon the available margin in the transmission system.

Applications for ISTS connectivity in the Satara area were received from M/s Adani Renewable Energy One Ltd. (AREOL) – 1800 MW Tarali PSP (August 2024) and Adani Saur Urja (KA) Limited – 1800 MW Nivakane PSP (November 2024)

The connectivity granted to M/s Adani Renewable Energy One Ltd. (AREOL) for the 1800 MW Tarali PSP was revoked in October 2025, due to non-submission of Bank Guarantees (BGs). Regarding the 1800 MW Nivakane PSP of Adani Saur Urja (KA) Limited, the start date is 31.12.2029, and intimation for in-principle grant of connectivity was issued on 02.09.2025.

The developer (AREOL) has now re-applied for ISTS connectivity for Tarali PSP in January 2026 with a revised start date of 31.03.2029 (subject application).

Transmission Network Expansion Scheme in Western Region to cater to pumped storage potential near Satara (up to 4500 MW) has been planned to facilitate drawl of power under pumping mode, as well as injection of power under generating mode, for 1800 MW Tarali PSP (AREOL) and 1800 MW Nivakane PSP (ASU(KA)L). Further, the proposed system can cater to the injection/drawal requirement of pumped storage potential (up to 4500 MW) near Satara, including the above projects. The scheme has been discussed and approved for implementation in the 38th NCT meeting held on 25.02.2026 in two phases:

S No.	Application ID	Connectivity Application Type	Name of the Applicant	Submission Date	Submission Time	Criterion for applying	Energy Source	Location (Requested)	Quantum	Type of Connectivity required	Start Date

Phase-I - planned for 1800 MW capacity (of Tarali PSP) with a schedule of March 2029 (subject to a minimum implementation schedule of 30 months), consisting of:

- Upgradation of the Narendra – Kolhapur to 765kV level
- Establishment of 765/400kV Satara Substation
- LILO of Pune-III – Pune (East) 765kV D/c line at Satara

Phase-II - Planned for balance capacity up to 4500MW (including capacity of already granted Nivakane PSP) with schedule of December 2029 (subject to minimum implementation schedule of 36 months)

- Creation of 400 kV Bus Section-II and augmentation of transformation capacity at 765/400 kV Satara S/s by 765/400 kV, 1x1500 MVA ICT (4th) along with 1x125 MVAR 400 kV bus reactor (on Bus Section-II)
- Kolhapur (PG) – Satara 765kV D/c line

It was informed that as also decided in the meeting at CEA on 28.05.2024, CTUIL, while granting Connectivity to PSPs, shall mention that PSPs should not operate in generating mode during the high RE generation period (i.e., solar hours). However, PSPs may inject power during such periods depending upon the available margin in the transmission system.

After further deliberations, it was decided to grant connectivity under GNA to M/s AREOL for 1800 MW PSP at Satara S/s with the following transmission system. M/s AREOL shall submit Conn-BGs (Conn-BG1: Rs. 0.5 Cr., Conn-BG2: Rs. 12 Cr. & Conn-BG3: Rs. 36 Cr.) within one month from the date of issuance of intimation of In-principal grant of connectivity.

Dedicated Transmission System for Connectivity

Under Applicant Scope:

- AREOL (Tarali PSP) – Satara 400kV D/c (quad/high capacity) line with minimum capacity of 1800MW per circuit at nominal voltage, along with bays at the generating station end
- 420kV, 125MVAr Bus reactor at Generating end switchyard

Under ISTS:

- 2 Nos. 400kV bays at Satara S/s shall be implemented under ISTS

S No.	Application ID	Connectivity Application Type	Name of the Applicant	Submission Date	Submission Time	Criterion for applying	Energy Source	Location (Requested)	Quantum	Type of Connectivity required	Start Date

Associated Transmission System for GNA: NIL

Common Transmission System Augmentation

Network Expansion Scheme in Western Region to cater to pumped storage potential near Satara (up to 4500MW):

Part A: Phase-I (Cumulative 1800MW): 31/03/2029 (subject to minimum implementation schedule of 30 months)

- Creation of 765kV level at Kolhapur (PG) GIS with installation of 2x1500 MVA, 765/400 kV ICTs at Kolhapur (PG) S/s along with upgradation of Kolhapur (PG) S/s to 765kV level
- Installation of 765 kV, 2x330 MVAR bus reactors at Kolhapur (PG) S/s.
- Bay Works required for upgradation of Narendra (New) – Kolhapur (PG) 765 kV D/c line (presently charged at 400kV) to 765kV level.
- Installation of 765kV, 330MVAr switchable line reactors on each circuit at Kolhapur (PG) end of Narendra (New) – Kolhapur (PG) 765kV D/c line
- Establishment of 765/400 kV Satara Substation with 765/400 kV 3x1500 MVA ICTs, 765kV 2x330 MVAR bus reactors and 400 kV 1x125 MVAR bus reactor
- LILO of Pune-III – Pune (East) 765kV D/c line at Satara.

Part-B: (Matching with Part A, Phase-I scheme)

- Reorientation of existing Narendra (New) – Kolhapur (PG) 765kV D/c line (presently charged at 400kV) and its termination into 765kV bays, including all associated works required for charging the line at 765kV level

Applications for Thermal Energy Source

S no.	Application ID	Name of the Applicant	Submission Date	Submission Time	Region	Energy Source	Location (Requested)	Quantum	Start Date
1.	2200003089	Torrent Urja 47 Private Limited (TU47PL)	29-Jan-26	11:17:03	WR	Thermal	765/400 kV Kotra-I or	1600MW	30.06.2029

							765/400 kV Kotra-II		
The applicant was requested to brief the details of their proposed thermal power project, to enable initiation of requisite system studies. During the discussion, the applicant enquired about the availability of transmission margins at the existing Raigarh (Kotra) Substation, as they intend to connect the project at the said substation. In response, it was informed that the fault levels at Raigarh (Kotra) Substation are already close to the design limits. Further, to facilitate reverse power flow up to 6000 MW on the Raigarh – Pugalur HVDC link, the existing generation projects presently connected at Raigarh (Kotra) Substation are required to be shifted to the proposed Raigarh (Kotra)–II Substation, which forms part of the "WR–ER Inter-Regional Network Expansion Scheme" and is currently under the bidding stage. Accordingly, Raigarh (Kotra) Substation is closed for granting connectivity to upcoming generation projects. In view of the above, it was discussed and agreed that the subject application shall be taken up for further deliberation in subsequent WR-CMETS meeting, after carrying out detailed transmission system studies. These studies shall assess whether evacuation of power from the Torrent Urja 47 Private Limited generation project can be facilitated through the planned WR–ER Inter-Regional Network Expansion Scheme or if any additional transmission system augmentation would be required for grant of Connectivity.									

S no.	Application ID	Name of the Applicant	Submission Date	Submission Time	Region	Energy Source	Location (Requested)	Quantum	Start Date
1.	2200002384	Mahan Energen Limited (MEL)	4-Sep-25	19:14:49	WR	Thermal	Nearby Substation	1600	01.06.2028

39th WR-CMETS

Till date, the following applications received from M/s Mahan Energen Ltd. (Formerly Essar Power MP Ltd) have been granted connectivity to ISTS:

1. **Transition case under Regulation 37.6(1) (i.e., Connectivity quantum effective and not having LTA/MTOA): 1100MW (for 2x600MW Mahan TPS-1)**
2. **Capacity Enhancement Application under Reg. 5.1 of GNA Regulation, 2022 (Appl. No. 2200000224): 100MW (for 2x600MW Mahan TPS-1)**
3. **Mahan Energen Limited (Appl. No. 2200000347): 280MW (for 2x800MW Mahan TPS-2)**

The following transmission system was identified for grant of connectivity under GNA to M/s MEL for its 1200 MW Mahan TPS-1 (1100 MW + 100 MW) with an implementation timeframe of 24 months from date of SPV transfer/date of allocation to the implementing agency for the Associated Transmission System for GNA under ISTS:

1. **Dedicated Transmission System for Connectivity:**

- Mahan TPS 1 – Bilaspur PS 400 kV D/c (Quad ACSR Moose) line (Existing- Under ISTS)
- 2 nos. 400 kV line bays at Mahan TPS (Existing- Under ISTS)

2. **Associated Transmission System for GNA (Under Implementation by POWERGRID (MELPTL) with SCOD of 04.12.2027):**

- Mahan TPS 1 – Rewa PS (PG) 400 kV D/c line (quad) along with line bays at Rewa PS (PG) end (under the scope of ISTS)
- 2 nos. 400 kV line bays at Mahan TPS 1 (existing) (under the scope of MEL)

3. **Common Transmission System Augmentation for Connectivity under GNA:**

- Existing Transmission System

Further, following transmission system was identified for grant of connectivity under GNA to M/s MEL for 280MW from 2x800 MW Mahan TPS-2:

1. **Dedicated Transmission System for Connectivity:**

   - Interconnection between 2x600 MW Mahan TPS 1 – 2x800MW Mahan TPS-2 (under the scope of MEL)

2. **Associated Transmission System for GNA:**

   - NIL

3. **Common Transmission System Augmentation for Connectivity under GNA (Under Implementation by POWERGRID (MELPTL) with SCOD of 04.12.2027):**
   - Mahan TPS 1 – Rewa PS (PG) 400 kV D/c line (quad) along with line bays at Rewa PS (PG) end (under the scope of ISTS)
   - 2 nos. 400 kV line bays at Mahan TPS 1 (existing) (under the scope of MEL)

Further, the following the transmission system proposed by MPPTCL was deliberated & agreed for evacuation of MP's share of about 1230 MW power (1320 MW Gross capacity) from proposed 2x800 MW Mahan TPS-2 to be developed by MPPTCL by Jan'27 as per PPA signed between MEL & MPPMCL:

kV Level	Transmission Infrastructure	Length/Capacity
400/220/132	**Establishment of Rewa (Sagra) 400kV S/s with 2x500MVA,400/220kV and 2x200MVA, 220/132kV ICT**	**2x500MVA,400/220kV 2x200MVA, 220/132**
400	PTEMPL Switchyard - Rewa (Sagra) 400kV DCDS line (Quad Moose)	150km
220	LILO of both circuit of Rewa - Sirmour/Bansagar-I 220kV line at Rewa (Sagra) 400kV S/s	10km
220	Rewa (Sagra) 400kV - Kotar 220kV DCDS line	45km
132	Rewa (Sagra) 400kV – Rewa (Sagra) 132kV DCDS line (Interconnector) [In case on non-availbility of feeder bay at Existing EHV Substation then option for LILO of Existing Line will be explore]	10km
132	Rewa (Sagra) 400kV - Rewa 132kV DCDS line [In case on non-availbility of feeder bay at Existing EHV Substation then option for LILO of Existing Line will be explore]	25km
132	Rewa (Sagra) 400kV - Mangawan 132kV DCDS line [In case on non-availbility of feeder bay at Existing EHV Substation then option for LILO of Existing Line will be explore]	25km
400/220/132	**Establishment of Amarpatan 400kV S/s with 2x500MVA,400/220kV and 2x200MVA, 220/132kV ICT**	**2x500MVA,400/220kV 2x200MVA, 220/132**

400	Rewa (Sagra) - Amarpatan 400kV DCDS line (Quad / Twin Moose)	60km
220	LILO of both circuit of Maihar - Satna (PGCIL) 220kV line at Amarpatan 400kV S/s	20Km
132	Amarpatan 400kV - Amarpatan 132kV DCDS line (Interconnector) [In case on non-availbility of feeder bay at Existing EHV Substation then option for LILO of Existing Line will be explore]	10km
132	Amarpatan 400kV - Satna -II 132kV DCDS line	35km
132	Amarpatan 400kV - Rampur Baghelan 132kV DCDS line [In case on non-availbility of feeder bay at Existing EHV Substation then option for LILO of Existing Line will be explore]	25km
132	Amarpatan 400kV - Unchehra 132kV DCDS line	25km

MPPTCL stated that the above system may be slightly changed based on the feasibility of physical implementation of the downstream system, and the same shall be intimated from time to time.

Now, Mahan Energen Ltd. has applied for connectivity for its 2x800 MW Mahan TPS-3, for which studies have to be carried out to identify the ISTS system to grant connectivity.

Applicant informed that the start date of connectivity is 01.06.2028 (considering startup power requirement) and their unit-wise schedule is:

- Unit-1: 01.12.2028
- Unit-2: 01.04.2029

Considering the size of the generation project as well as fault level issues in the Vindhyachal complex, CTU requested the applicant to come at the 765 kV voltage level. In this respect, the applicant stated that they would prefer to come at the 400 kV level; however, they are ready to come at the 765kV level if so mandated.

CTU stated that interconnection studies shall be carried out, and in case fault level issues are observed (considering generation comes at 400 kV voltage level), then the applicant shall have to come at 765 kV voltage level. The application shall be deliberated again after conducting the required study.

The applicant agreed on the same.

43rd WR-CMETS

A meeting was held on 15.01.26 & 16.01.26 to discuss various Transmission issues in Madhya Pradesh and Goa. The proposal included the development of a power evacuation system through the STU network for the upcoming 4000MW Thermal Power Stations (TPSs) in MP planned under the DBFOO Model by MPPMCL – Agenda by MP-STU (MPPTCL). In the study files, Common Transmission System Augmentation for evacuation of power from 2x800 MW Gadarwara-II TPS, along with an additional 1500 MW RE power at Mandsaur S/s, was considered. Further, the connectivity application no. 2200002384 for 2x800MW Mahan TPS-3 of Mahan Energen Ltd. (MEL) was examined.

For 1600MW (2x800 MW Mahan TPS-3 of MEL) at 400kV level, system studies indicate that no overloading or short-circuit issues arise under the existing and planned transmission system. Further, balanced power flows were observed on the Mahan TPS 2 – Rewa (Sagra) 400kV D/c line of MPPTCL, as well as on the 400 kV ISTS lines emanating from Mahan TPS-1, namely the Bilaspur PS (existing) and Rewa (under implementation) 400 kV D/c lines.

Also, based on the study results, it was discussed that connectivity may be granted to 2x800MW Mahan TPS-3 at the 400 kV level. However, due to the high degree of interconnection between In-STS and ISTS networks, the following downstream In-STS system needs to be explicitly included in the grant of connectivity to Mahan TPS-3. Thus, In-STS is essential to maintain balanced power flows across the In-STS & ISTS network and to ensure operational reliability.

Hence, the following transmission system is proposed as a common transmission system augmentation for grant of 1600MW Connectivity under GNA to MEL for its proposed 2x800MW units of the Mahan Ph-III expansion project:

Under the scope of ISTS:

- 2x600 MW Mahan TPS 1 – Bilaspur PS (ISTS) 400 kV D/c (Quad) line (Existing)
- 2x600 MW Mahan TPS 1 – Rewa (ISTS) 400 kV D/c (Quad ACSR /AAAC /AL59 moose equivalent) line along with bays at Rewa PS (Awarded to POWERGRID under TBCB) with SCOD of 04.12.2027
- 2 nos. 400kV line bays at Mahant TPS 1(for Rewa line) are already existing (under the scope of MEL)

Under the scope of InSTS:

- 2x800 MW Mahan TPS 2 - Rewa (Sagra) 400 kV DCDS line (Awarded to Mahan Transmission Ltd.- AESL)
- Rewa (Sagra) - Amarpatan 400kV DCDS line (Quad / Twin Moose) [Awarded to Mahan Transmission Ltd. (AESL)]
- LILO of one circuit of Damoh (PG) – Katni (MPPTCL) 400 kV D/c (Twin Moose) line at Amarpatan (TBCB) 400 kV S/s (along with 50MVAr Switchable line reactor at Amarpatan (TBCB) end for Damoh (PG) – Amarpatan 400 kV S/c line) – In-STS (Under Approval) (refer note-a)

Under the scope of MEL:

- Interconnection of 2x600 MW Mahan TPS 1, 2x800 MW Mahan TPS 2 and 2x800 MW Mahan TPS 3 at 400 kV level.

Note:
a) The same shall be carried out after upgrading the existing Damoh - Katni 220 kV S/c line to 400 kV level.

The above system is expected progressively by Mar-31.

MPPTCL stated that proposed Interconnection of 2x600 MW Mahan TPS 1, 2x800 MW Mahan TPS 2 and 2x800 MW Mahan TPS 3 at 400 kV level may result in higher power flows towards the STU network. Accordingly, MPPTCL requested that connectivity be granted in such a manner that the In-STS system is not overloaded.

It was informed that, as per the joint study with MPPTCL on 15.01.2026 & 16.01.2026, the maximum flow of about 1400 MW was observed under certain load flow scenarios studied. In other scenarios, the observed flows were significantly lower. It was further noted that MP already has a share of 1230 MW from the 2x800 MW Mahan TPS-2 of MEL, and hence the peak loading is broadly in line with MP's allocated share.

It was also highlighted that planning additional transmission system exclusively to enable connectivity for 2x800 MW Mahan TPS 3 would necessitate creation of additional ISTS, the cost of which would be borne by all DICs. Therefore, it was considered prudent to optimally utilise the existing ISTS and In-STS infrastructure available in the region.

MPPTCL informed that they would examine the study results internally and that the matter could be discussed separately. Accordingly, it was decided that a separate meeting shall be convened amongst the concerned stakeholders to finalise the identified transmission scheme for grant of 1600 MW Connectivity to M/s Mahan Energen Limited for its proposed 2×800 MW Mahan TPS-3. Thereafter, the subject application shall be taken up for further deliberation in the WR-CMETS meeting.

2. Agenda for deliberations on Applications received from STUs for grant of additional GNA Under Regulation 19.2 of GNA Regulations

It was informed that Regulation 19.2 of GNA Regulations stipulates that:

"STU, on behalf of intra-State entities including distribution licensees, may apply, twice in a financial year (starting from the financial year following the financial year in which these regulations have become effective) by the month of September and March each year, for additional GNA for the next 3 (three) financial years (with entity-wise segregation) indicating GNA within the region and from outside the region, as stipulated in the 'Detailed Procedure for Connectivity and GNA', issued in accordance with Regulation 39.1:

Provided that such additional GNA quantum to be added in each of the next three financial years shall be applicable from a specified date(s) of the respective financial year subject to a maximum four dates for a year per application."

Additional GNA Quantum applied by STU (April to 25 September 2025)

S. No.	State	Quantum						GNA effective Till date(STU and drawee entities connected to STU)	ATC as per Grid India letter dated 12.03.2026
		Fy+1(26-27)		Fy+2(27-28)		Fy+3(28-29)			
		Within region	Outside region	Within region	Outside region	Within region	Outside region		
1.	Gujarat	0	35	0	0	0	0	11849.17 MW (STU on behalf of intra state entity and drawee entities connected to intra- state) **Addl. 4508 MW GNA granted (but not effective) (detailed below)**	12220 MW to 14140 MW
		35 **(Indian Railway Gujarat)**		0		0			
	Start date of GNA	**01.04.2026**							

It was informed that the GNA of Gujarat, including drawee entities connected to Gujarat STU, effective as of date is 11849.17 MW, which is close to the prevailing ATC limit of 12220 MW (as declared by WRLDC for present timeframe).

Further, 4508 MW of additional GNA already granted shall become effective subject to availability of identified ISTS and from the following dates (as per intimation dated 28.03.2025):

a. 1000 MW: 01.10.2025 (with the availability of identified ISTS; presently expected by May'26
b. 1000 MW: 31.03.2026 (with the availability of identified ISTS; presently expected by Mar'27
c. 2008 MW: 19.11.2026 (with the availability of identified ISTS; presently expected by Sep'27
d. 500 MW: 01.01.2028 (with the availability of identified ISTS; presently expected by Dec'27

For the 500 MW out of the total 4508 MW, the identified transmission system included establishment of Saurashtra substation (near Rajkot) along with the Vataman – Saurashtra 765 kV D/c line (under Intra-State). At the time of granting this GNA, these elements were expected to be commissioned by December 2027. Accordingly, the 500 MW additional GNA was approved with a start date of 01.01.2028, subject to availability of the identified ISTS, irrespective of commissioning of the In-STS elements.

Subsequently, GETCO applied for an additional 35 MW GNA with effect from 01.04.2026. It was noted that for grant of this additional 35 MW GNA, the same transmission system identified for the earlier 500 MW GNA would also be required.

However, the revised expected commissioning schedule for the Saurashtra substation and the Vataman – Saurashtra 765 kV D/c line is March 2030. Considering the commissioning timelines of various ISTS and In-STS elements, it was observed that the start date for the additional 35 MW GNA shall be 01.04.2030, subject to availability of the identified ISTS. It was further noted that effectiveness of this GNA, shall not be contingent upon the commissioning of the In-STS schemes.

After deliberations, it was agreed to grant 35 MW GNA to GETCO with GNA start dated as 01.04.2030, with the availability of the identified ISTS, through the following transmission system.

Transmission System for additional GNA quantum of 35 MW

- **ISTS Schemes:**
  a) **Transmission Network Expansion in Gujarat to increase ATC from ISTS: Part B scheme (expected by May'26) : POWERGRID**

  - Establishment of 765/400/220 kV Navsari (new) (South Gujarat) S/s (GIS) (Commissioned)
  - Navsari (New) (South Gujarat) (GIS) - Kala (GIS) 400 kV D/c line (expected by May'26)
  - Navsari (New) (South Gujarat) (GIS) – Magarwada (GIS) 400 kV D/c line (expected by May'26)
  - Navsari (New) (South Gujarat) (GIS) – Padghe (GIS) 765 kV D/c line (Commissioned)
  - Augmentation of transformation capacity at Padghe (GIS) 765/400 kV substation by 1x1500 MVA ICT (Commissioned)
  - Augmentation of transformation capacity at Navsari(new) (GIS) 765/400 kV substation by 1x1500 MVA ICT (Commissioned)

b) **Transmission Network Expansion in Gujarat to increase ATC from ISTS: Part C (Commissioned)**

- Augmentation of transformation capacity at Banaskantha 765/400 kV S/s by 1x1500 MVA ICT
- Banaskantha – Sankhari section of Banaskantha – Prantij 400 kV D/c line (Twin AL59 Moose equivalent)

Note: *As Prantij S/s and Prantij – Sankhari line section is delayed by GETCO and expected by Mar'27, termination of above Banaskantha – Sankhari 400kV D/c line section at Sankhari S/s (GETCO) on interim basis by GETCO as agreed in meeting at CEA on 21.03.2025 has been considered.*

c) **Khavda Phase-II Part B Scheme (Commissioned): Khavda II-B Transmission Ltd. (a subsidiary of POWERGRID)**

- Lakadia PS – Ahmedabad 765kV D/c line (Part B: POWERGRID)

d) **Khavda Phase-II Part C Scheme (Commissioned):): Khavda II-C Transmission Ltd. (a subsidiary of POWERGRID)**

- Establishment of 3x1500 MVA, 765/400 kV Ahmedabad S/s
- Ahmedabad – South Gujarat/ Navsari (new) 765 kV D/c line

e) **Khavda Phase-II Part D Scheme (Commissioned): Torrent Power Grid Limited (TPGL)**

- LILO of Pirana (PG) – Pirana (T) 400 kV D/c line at Ahmedabad S/s with twin HTLS along with reconductoring of Pirana (PG) – Pirana (T) line with twin HTLS conductor with OPGW for both main line and LILO section
- Bay upgradation work with requisite FOTE at Pirana (PG) & Pirana (T) 400 kV line bays (Bay Upgradation) – 4 Nos.

f) **Transmission Network Expansion in Gujarat associated with integration of RE projects from Khavda potential RE zone (Commissioned):): Khavda RE Transmission Limited (a subsidiary of POWERGRID)**

- Banaskantha — Ahmedabad 765 kV D/c line

g) **Augmentation of Transformation capacity at 400/220kV Bhachau substation in Gujarat by 400/220kV, 1x500 MVA ICT (3rd) (Commissioned): POWERGRID**

- Augmentation of Transformation capacity at 400/220kV Bhachau S/s in Gujarat by 400/220kV 1x500MVA ICT (3rd)

h) **Augmentation of Transformation Capacity at 765/400/220kV Vadodara (GIS) S/s in Gujarat by 400/220kV, 1x500MVA ICT (3rd):**

POWERGRID (expected by Mar'27)

- Augmentation of Transformation Capacity at 765/400/220kV Vadodara (GIS) S/s in Gujarat by 400/220kV, 1x500MVA ICT (3rd)

i) **ICT Augmentation at Navsari (New) associated with integration of additional 7 GW RE power from Khavda RE park under Phase-III: POWERGRID (expected by Jun'26)**

- Augmentation of transformation capacity at Navsari (New) 765/400 kV S/s by 1x1500 MVA (ICT-IV)

j) **Transmission system for evacuation of additional 7 GW RE power from Khavda RE park under Phase-III Part A (expected by Dec'26): Halvad Transmission Limited. (a subsidiary of Adani)**

- Establishment of 765 kV Halvad switching station
- KPS2 (GIS) - Halvad 765 kV D/c line
- LILO of Lakadia – Ahmedabad 765 kV D/c line at Halvad

k) **Transmission system for evacuation of additional 7 GW RE power from Khavda RE park under Phase-III Part B (expected by Dec'26): Vataman Transmission Limited. (a subsidiary of POWERGRID)**

- Establishment of 765 kV switching station near Vataman
- Halvad – Vataman 765 kV D/c line
- LILO of Lakadia – Vadodara 765 kV D/c line at Vataman 765 kV switching station
- Vataman switching station – Navsari (New) (GIS) 765 kV D/c line

l) **Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat under Phase-IV (7 GW): Part B (expected by Oct'27) South Olpad Transmission Limited (a subsidiary of POWERGRID)**

- Establishment of 2x1500 MVA, 765/400 kV GIS S/s at a suitable location South of Olpad (between Olpad and Ichhapore)
- Vadodara (GIS) –South Olpad (GIS) 765 kV D/C line
- LILO of Gandhar – Hazira 400 kV D/c line at South Olpad (GIS) using twin HTLS conductor with minimum capacity of 1700MVA per ckt at nominal voltage
- Ahmedabad – South Olpad (GIS) 765 kV D/c line

m) **Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat under Phase-IV**

(7 GW): Part C (expected by Oct'26) Khavda IV C Power Transmission Limited (a subsidiary of Sterlite)

- Establishment of 4x1500 MVA, 765/400 kV & 2x500 MVA, 400/220 kV Boisar-II (GIS) S/s
- South Olpad (GIS) – Boisar-II (GIS) 765kV D/c line
- LILO of Navsari (New) – Padghe (PG) 765 kV D/c line at Boisar-II
- Boisar-II (Sec-II) – Velgaon (MH) 400 kV D/c (Quad ACSR/AAAC/AL59 moose equivalent) line
- LILO of Babhaleswar – Padghe (M) 400 kV D/c line at Boisar-II (Sec-I) using twin HTLS conductor with a minimum capacity of 1700 MVA per ckt at nominal voltage

n) **Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat under Phase-IV (7 GW): Part D (expected by Sep'27) Pune-III Transmission Limited (a subsidiary of Adani)**

- Establishment of 2x1500 MVA, 765/400 kV & 3x500 MVA, 400/220 kV Pune-III (GIS) S/s
- Boisar-II – Pune-III 765 kV D/c line
- LILO of Narendra (New) – Pune (GIS) 765 kV D/c line at Pune-III
- LILO of Hinjewadi-Koyna 400 kV S/c line at Pune-III (GIS) S/s

o) **Augmentation of Transformation capacity at Pirana (PG) S/s in Gujarat by 400/220 kV, 1x500 MVA (3rd) ICT (expected by Dec'27): (POWERGRID)**

- 400/220kV, 1x500MVA ICT-III at Pirana (PG) S/s

- **In-STS Schemes:**

a) **Scheme to control fault level at Asoj S/s : GETCO**

- Bypassing of 400 kV SSP-Asoj-S/c & one circuit of 400 kV Asoj-Chorania-D/c at Asoj and forming of direct line from SSP to Chorania *(agreed under In-STS in the 3rd WRPC(TP) meeting held on 14.06.2021)*

b) **In-STS Scheme considered at Navsari(New) S/s: GETCO**

- LILO of both circuits of 220 kV D/c Navsari - Sachin line at Navsari(New) (South Gujarat) (GIS) substation

c) **Establishment of 2x1500MVA, 765/400kV Saurashtra substation (near Rajkot) by GETCO**

- Establishment of 2x1500MVA, 765/400kV Saurashtra substation (near Rajkot)
- 765 kV D/C Vataman (ISTS) – Saurashtra line
- 400 kV D/C Amreli – Saurashtra line (Utilising the LILO portion of Chorania – Jetpur line)
- 400 kV D/C Jetpur – Saurashtra line (Utilising portion of Jetpur – Chorania (one ckt via Hadala) 400kV D/c line)
- 400 kV D/C Kalavad – Saurashtra line

d) **Scheme for establishment of Prantij S/s by GETCO**

- Establishment of 3x500MVA, 400/220kV Prantij (GETCO) S/s
- Banaskantha – Prantij 400kV D/c (twin AL59) line (after dismantling the interim termination of Banaskantha – Sankhari 400kV D/c line section at Sankhari S/s (GETCO) on interim basis)
- LILO of Wanakbori – Soja 400kV line at Prantij S/s

e) **Scheme for establishment of Balethi S/s by GETCO**

- Establishment of 2x500MVA, 400/220kV Balethi (GETCO) S/s
- Vadodara – Balethi 400kV D/c (twin AL59) line

f) **Scheme for drawal of power from Vadodara (PG) (GIS) S/s by GETCO**

- 220 kV D/C Vadodara (PG) – Waghodia line (In-STS) (5km. using cable)

g) **Scheme for establishment of Gadhsisa S/s by GETCO**

- LILO of both circuits of CGPL – Bhuj 400kV D/c (triple) line at Gadhsisa (LILO length ~10-15km.)
- LILO of Nakhatrana – Nanikhakar 220kV lines at Gadhsisa

h) **ICT Augmentation at Halvad S/s of GETCO:**

- 400/220 kV, 1x500 MVA ICT-III at Halvad (GETCO) S/s

It was reiterated that effectiveness of the 35 MW additional GNA shall be governed solely by availability of the identified ISTS schemes, and non-commissioning of In-ISTS schemes shall not impact the effectiveness of GNA, as timely commissioning of In-ISTS is the responsibility of concerned state.

S no.	State	Quantum						GNA effective Till date (STU and drawee entities connected to STU)	ATC as per Grid India report
		Fy+1(26-27)		Fy+2(27-28)		Fy+3(28-29)			
		Within region	Outside region	Within region	Outside region	Within region	Outside region		
2.	Chhattisgarh	232	232	50	50	50	50	3536MW	4930MW
	Total	**464 (CSPDCL)**		**100 (CSPDCL)**		**100 (CSPDCL)**			
	Start date of GNA	01.04.2026		01.04.2027		01.04.2028			

It was informed that GNA effective till date for Chhattisgarh is 3536 MW. With the additional GNA of 664 MW (464+100+100), total GNA of Chhattisgarh would be 4200 MW. Present ATC limit of Chhattisgarh is 4930 MW (as declared by WRLDC) which is well above requested cumulative GNA of 4200 MW. After deliberation, it was agreed to grant GNA to CSPTCL through existing ISTS with the start date as requested in the application (refer above table).

S. No.	State	Quantum						GNA effective Till date (STU and drawee entities connected to STU)	ATC as per Grid India report
		Fy+1 (2026-27)		Fy+2 (2027-28)		Fy+3 (2028-29)			
		Within region	Outside region	Within region	Outside region	Within region	Outside region		
3.	Maharashtra	36	96.85	0	135	0	0	10365 MW (STU on behalf of intra state entity and drawee entities connected to intra- state)	10800 MW
	Total	**132.85**		**135**		**0**			
	Start date of GNA	**01.04.2026**		**01.04.2027**					
Entity-wise Segregation of GNA	Brihanmumbai Electic Supply and Transport (BEST) Undertaking	82.85		0		0			

Quantum (MW)	Adani Electricity Mumbai Ltd (AEML)-Distribution	0	50	0		
	AEML SEEPZ Ltd. (ASL)	0	50	0		
	Central Railway	50	35	0		
		132.85	**135**	0		

Details of GNA Granted to MSETCL are given below:

Sl.	GNA	Quantum
	GNA Effective	
1	MSETCL (on behalf of intra state entities)	10060
2	Central Railway (Intra-state)	240
3	Reliance Corporate IT Park Limited	18 [1 + 17 (Transferred from RIL, Jamnagar from 01.03.2026 to 30.11.2026)]
4	Reliance Industries Ltd, Nagpur	12 [1 + 11 (Transferred from RIL, Jamnagar from 01.03.2026 to 30.11.2026)]
5	Reliance Industries Ltd, Nagothane	26 [1+ 25 (Transferred from RIL, Jamnagar from 01.03.2026 to 31.12.2026)]
6	BPCL	9
	Total	**10365**
	Additional GNA applied by MSETCL in Sep-25 (on behalf of intra state entities)	**267.85**

Following was informed w.r.t. above application:

- Period of usage of GNA for 28 MW (17+11) out of 53 MW (17+11+25) shall be from Mar'26 to Nov'26 and for balance 25 MW shall be from Mar'26 to Dec'26. Accordingly, additional 53 MW margin would be available from Jan'27 for drawl of power by Maharashtra STU and other intra state entities.
- With the above transfer of GNA, presently cumulative 10365 MW GNA is effective in Maharashtra (10060 MW: STU, 305 MW: Other Intra State Entities)
- With the additional GNA of 267.85MW (132.85 +135), total GNA of Maharashtra would become 10632.85 MW. Present ATC limit of Maharashtra is 10800 MW (as declared by WRLDC), which is above requested cumulative GNA of 10632.85 MW.

After deliberations, it was agreed to grant GNA To MSETCL through existing ISTS with the start date as requested in the application (refer above table).

3. Application for Grant of GNA/GNA$_{RE}$ to entities other than STU under Regulation 20.1, 20.3 and 20.4 to entities under Regulation 17.1(ii), (iii), (v) and (vi):

Jan'26

Sl. No.	Application ID	Name of the Applicant	Submission Date	Region	Nature of applicant	GNA within Region (MW)	GNA outside Region (MW)	Total Quantum (MW) of GNA Required	Start date of GNA	End date of GNA
1.	2200003019	Maharashtra Industrial Township Limited (MITL)	13-01-2026	WR	Drawee entity connected to the Intra-State	0.0	20.0	20.0	01-02-2026 15-04-2026 (revised)	28-02-2028

- Applied for GNA_{RE}: No

STU name where entity connected in case of Drawee/Injecting entity: MSETCL

It was informed that as on date total GNA of MSETCL approved is 10365 MW against ATC of 10800 MW (as per the latest ATC declared by GRID-INDIA). With the additional GNA of 267.85 MW (132.85+135) applied by MSETCL, the total GNA of Maharashtra would become 10632.85 MW. With 20 MW subject GNA, the total GNA approved in Maharashtra would become 10652.85 MW against the available ATC of 10800 MW. Further, an additional 53 MW margin would be available from Jan'27 for drawl of power for Maharashtra STU and other intra-state entities. Hence, margins are available for the subject GNA grant.

The above application was agreed to grant on the Existing Transmission System. Further, it is the responsibility of M/s MITL to fulfil the conditions stipulated in the STU NOC. Notwithstanding them, the GNA shall be made effective as per the revised start date informed by M/s MITL, as the requested date has already elapsed.

Accordingly, M/s Maharashtra Industrial Township Limited (MITL) was requested to intimate the revised start date of GNA. In response, M/s MITL informed that the revised start date of GNA is **15.04.2026** and provided the details of substations at which they are connected to the intra-State system, namely:

- 220/132/33 kV GIS Substation, Shendra
- 220/33 kV MIDC Substation, Shendra

The same has also been confirmed by M/s MITL vide their letter dated 06.04.2026. Considering the above, it was decided to grant GNA to M/s MITL for 20 MW with the start date of GNA as 15.04.2026.

4. Request for usage of the 220 kV Bay No. 212 at Jam Khambaliya PS by Mounting Renewables Pvt. Ltd. (MRPL) allocated to NTPC-REL, for temporary sharing

It was informed that NTPC-REL has been granted connectivity for 500 MW (application no. 2200000180) at the 220 kV level of Jam-Khambhaliya PS through existing system & is allocated existing 2 Nos. 220 kV bays (211 & 212) with start date of connectivity under GNA as 28.06.2025. 500 MW Connectivity granted to NTPC-REL has been made effective from 28.06.2025, however, generation of NTPC REL is yet to be commissioned. Further, NTPC-REL in applications (2200000241 for 45 MW connectivity & 2200000565 for 14 MW connectivity) shall also share the same DTL provided to NTPC-REL in application no. 2200000180 for 500 MW at Jam Khambhaliya PS.

M/s Mounting Renewables Pvt. Ltd. (MRPL) has been intimated In-principle grant of Connectivity for 250 MW, issued vide CTU letter dated 17.11.2023, against application no. 2200000246 & is allocated 1 No. 220 kV bay on 220 kV bus section-II (new), which is presently under implementation as part of ***"Augmentation of transformation capacity at Jam Khambhaliya PS (GIS)"*** scheme by POWERGRID under TBCB route, with implementation timeframe of July-26. Further, Common Transmission System Augmentation for Connectivity under GNA to MRPL includes Jam Khambhaliya PS augmentation scheme (being implemented under ISTS by POWERGRID under TBCB Route) with implementation timeframe of Jul'26 & Jamnagar Scheme (being implemented under ISTS by M/s AESL under TBCB Route) with implementation timeframe of Oct'26. Hence, expected start date of Connectivity shall be Oct'26 (subject to the availability of Common Transmission System Augmentation for Connectivity under GNA).

MRPL project is at the advance stage of commissioning, accordingly, they had approached NTPC-REL for allowing them to share the bay allocated to NTPC-REL on temporarily basis. Since there is a gap between the projects commissioning of NTPC-REL and MRPL (commissioning earlier), the bays allocated to NTPC-REL may be shared with MRPL for enabling evacuation of power from MRPL's generation project.

In this respect, MRPL requested CTU to allow the temporary usage of bay no. 212 allocated to NTPC-REL. The present request of temporary sharing of 220 kV bay of NTPC REL by M/s MRPL shall be in form of interim arrangement only and not to be construed as bay re-allocation in any form. Joint undertaking containing sign of both the entities MRPL & NTPC-REL has been submitted and is attached at **Annexure-II.**

During the meeting, MRPL & NTPC-REL were requested to provide commissioning schedule of their respective generation projects proposed to be connected at Jam Khambhaliya PS. MRPL informed that out of its total 250 MW Connectivity, 128.7 MW (95.7 MW Wind and 33 MW Solar) is expected to be commissioned by March 2026. NTPC-REL informed that cumulative Connectivity of 545 MW (500 MW + 45 MW + 14 MW) has been granted to them at the 220 kV level of Jam Khambhaliya Substation through Bays 211 and 212 (existing) for termination of its DTL. Further, 100 MW proposed to be connected at Bay 211 is expected to be commissioned by March 2026, while 50 MW proposed to be connected at Bay 212 (where MRPL has requested to allow the temporary usage of bay) is expected to be commissioned by May 2026.

After detailed deliberations, the following was agreed with respect to the temporary usage of Bay No. 212 by MRPL:

- The above temporary usage of bay has been requested for facilitating commissioning of MRPL, and MRPL shall release the 220 kV bay no. 212 of NTPC-REL with effect from the date of release intimated by NTPC-REL (which shall be communicated by NTPC-REL at least 15 days in advance) OR on commissioning of MRPL's original bay (as per grant) at 220 kV Bus Section-II of Jam Khambhaliya PS (whichever is earlier).

- Considering that NTPC-REL's generation project at Bay 212 is expected to be commissioned by May 2026, NTPC-REL shall provide advance notice of at least 15 days to MRPL prior to commissioning. Upon receipt of such notice, MRPL shall immediately release the bay, as simultaneous sharing of Bay 212 shall not be permitted at any point of time.

- MRPL & NTPC-REL shall ensure timely payment of all applicable transmission charges for the transmission system as per the grant of connectivity associated with respective Connectivity under GNA including the terminal bays at Jam Khambhaliya PS, in case of any delay from date of effectiveness of GNA or otherwise. The liability of the transmission charges for such mismatch period shall be governed by CERC Sharing Regulations, 2020 & CERC directions issued from time to time and the proposed sharing arrangement would have no impact on the same.

- MRPL & NTPC REL shall not claim any compensation/change in commissioning schedule of project/Connectivity effectiveness Date/dedicated transmission line completion timeline arising due to such temporary usage of bay by MRPL.

After further deliberations, the above temporary usage of bay no. 212 (allotted to NTPC-REL) by MRPL was technically agreed for enabling evacuation of power from MRPL's 300 MW REGS, based on margins available. It was reiterated that the present request of temporary sharing of 220 kV bay of NTPC REL by M/s MRPL shall be in form of interim arrangement only and not to be construed as bay re-allocation in any form.

The meeting* ended *with a vote of thanks.

---x--------x---

Annexure-I: List of Participants

S. No.	Name	Organisation	Email
1.	R V M M Rao	CTUIL	rvmrao@powergrid.in
2.	Shiv Kumar Gupta	CTUIL	shivkumar@powergrid.in
3.	Bhaskar Laxmanrao Wagh	CTUIL	bhaskarwagh@powergrid.in
4.	Pratyush Singh	CTUIL	pratyush.singh@powergrid.in
5.	Mahendranath Malla	CTUIL	mahendranth.malla@powergrid.in
6.	Shashank Shekhar	CTUIL	shashankshekhar@powergrid.in
7.	Ajay Kumar	CTUIL	sriajaykumar@powergrid.in
8.	Akhilesh	CTUIL	akhilesh1@powergrid.in
9.	Aditya Ranjan	CTUIL	aditya.ranjan@powergrid.in
10.	Sagar Kumar	CTUIL	sagar.kumar@powergrid.in
11.	Vishal Puppala	Grid India	vishal.puppala@grid-india.in
12.	M. Venkateswara Rao	Grid India	venkyminnakuri@posoco.in
13.	Himanshu Verma,	Grid India	himanshuverma@grid-india.in
14.	Ch Jagadeesh	Grid India	cjagadeesh@grid-india.in
15.	Shivendra yadav	Grid India	syadav@grid-india.in
16.	Hitesh Tiwari	MPPTCL	stu.mp@mptransco.nic.in
17.	STU GETCO	STU GETCO	acerc.getco@gebmail.com
18.	ED (PC&RA) CSPTCL	CSPTCL	<cecnra.csptcl@cspc.co.in>
19.	Diwakar Kumar	Adani	diwakar.kumar@adani.com
20.	Kevalkumar Kajavadara	Adani	Kevalkumar.Kajavadara@adani.com
21.	Aniruddhsinh Parmar	Adani	Aniruddhsinh.Parmar1@adani.com
22.	Manoj Taunk	Adani	Manoj.Taunk@adani.com
23.	Nirmal Goswami	Adani	Nirmal.Goswami1@adani.com
24.	Ajay Talaviya	Adani	Ajay.Talaviya@adani.com
25.	Rahul Anand	Adani	Rahul.Anand@adani.com
26.	Deepdutt Shukla	Adani	Deepdutt.Shukla@adani.com

S. No.	Name	Organisation	Email
27.	Varnit Jain	Adani	Varnit.Jain@adani.com
28.	Chetan Shete	Adani	Chetans.Shete@adani.com
29.	Ashish Baviskar	Adani	Ashish.Baviskar@adani.com
30.	Ashish Choubey	Adani	ashish.choubey@adani.com
31.	Shivam Desai	Adani	Shivam.Desai@adani.com
32.	Animesh Manna	NTPC	AMANNA@NTPC.CO.IN
33.	Kura Ravi Kumar	NTPC	KURARAVIKUMAR@NTPC.CO.IN
34.	Abhishek Khanna	NTPC	ABHISHEKKHANNA@NTPC.CO.IN
35.	Ram Prakash	NTPC	RAMPRAKASH@NTPC.CO.IN
36.	Anand Kumar	Welspun	Anand_Kumar@welspun.com
37.	Agarwal Prateek	Tata power	prateekagarwal@tatapower.com
38.	Mahendra Dabi	Torrent	mahendrasinghdabi@torrentpower.com
39.	Nikhil Patil	Sarjan Realties	Nikhil.Patil@Sorigin.co
40.	S Ramakrishnan	Ayana Power	ramakrishnan.s@ayanapower.com
41.	Vaibhav V Karade	Ayana Power	vaibhav.karade@ayanapower.com
42.	Bhargava Sharma	Ayana Power	bhargava@ayanapower.com
43.	Anant Sirsath	MITL	managerelectricalhq@auric.city

Annexure-II

Undertaking

1. We, Mounting Renewable Power Limited (MRPL) & NTPC Renewable Energy Limited (NTPC REL) hereby individually confirm that the arrangement proposed by us is only a temporary usage of bay No:- 212 and is not to be construed as bay re-allocated in any form. Accordingly, there will not be any modification to the connectivity already granted to us. We further undertake that we shall not claim any change in timelines of RE projects as per the Grant of connectivity (associated with bay nos. allocated to us) due to any such temporary usage of bay No:- 212.

2. Mounting Renewable Power Limited (MRPL) & NTPC Renewable Energy Limited (NTPC REL) shall keep the CTU indemnified at all times and shall undertake to indemnify, defend and keep the CTU harmless from any and all damages, losses, claims and all other obligations by or to third parties actions arising out of or resulting from the temporary usage of bay no.:- 212 by MRPL, which has been allocated another bay at Bus Section-II at Jam Khambhaliya PS.

3. Mounting Renewable Power Limited (MRPL) & NTPC Renewable Energy Limited (NTPC REL) shall not claim any compensation/change in commissioning schedule of project/Connectivity effectiveness Date/dedicated transmission line completion timeline arising due to such temporary usage of bay by MRPL.

4. Mounting Renewable Power Limited (MRPL) & NTPC Renewable Energy Limited (NTPC REL) undertake that treatment of respective BGs shall be governed as per allocation of bays as per the Connectivity Grant to ISTS for respective RE Generating Stations.

5. Mounting Renewable Power Limited (MRPL) & NTPC Renewable Energy Limited (NTPC REL) undertake that the above temporary usage of bay has been requested for facilitating commissioning of MRPL, and MRPL shall release the 220kV bay of NTPC REL with effect from the date of release intimated by NTPC REL (which shall be communicated by NTPC REL at least 15 days in advance) OR on commissioning of MRPL's original bay(as per grant) at 220kV Bus Section-II of Jam Khambhaliya PS (whichever is earlier).

6. Mounting Renewable Power Limited (MRPL) & NTPC Renewable Energy Limited (NTPC REL) shall ensure timely payment of all applicable transmission charges for the transmission system as per the grant of connectivity associated with respective Connectivity under GNA including the terminal bays at Jam Khambhaliya PS in case of any delay from date of effectiveness of GNA or otherwise. The liability of the transmission charges for such mismatch period shall be governed by CERC Sharing Regulations, 2020 & CERC directions issued from time to time and the proposed sharing arrangement would have no impact on the same.

Mounting Renewable Power Limited

For M/s Mounting Renewable Power Ltd.

(appl. No. 2200000246– 250MW)

Shri KAPIL MAHESWARI

Director/CEO

Mobile No.:8754584647

For M/s NTPC Renewable Energy Ltd.

(appl. no. 2200000180 – 500MW)

Shri ANIMESH MANNA

Authorized Signatory

Mobile No.:9650997835

NTPC Renewable Energy Limited NOIDA

सेंट्रल ट्रांसमिशन यूटिलिटी ऑफ इंडिया लिमिटेड
(पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड के स्वामित्व में)
(भारत सरकार का उद्यम)
CENTRAL TRANSMISSION UTILITY OF INDIA LTD.
(A wholly owned subsidiary of Power Grid Corporation of India Limited)
(A Government of India Enterprise)

Ref. No.: C/CTU/AI/00/31st CCTP

Date: 07th August 2026

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 and MoP Gazette notification dated 23.06.2025 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
Western Region		
1.	Implementation of 1 no. 400 kV line bay at Ishanagar S/s for RE Interconnection of 630 MW Barethi Solar Park of M/s NTPC Renewable Energy Limited (2200002105)	Ishanagar Power Transmission Limited. (a subsidiary of IndiGrid 2 Pvt. Ltd.)
2.	Western Region Bay Scheme-II (WRBS-II): Implementation of 2 Nos. 220 kV line bays at Handia S/s for Handia - Bagli (New) 220 kV D/c line	Rajgarh Neemuch Power Transmission Limited. (RNPTL) (a subsidiary of G R Infraprojects 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).

In line with 26th NCT MoM dated 06th January 2025, para 4.4, if there is any cost variation beyond 10% of CTUIL's cost, TSP is requested to intimate the DPR cost along with break-up of cost estimate of the subject scheme with supporting documents to CTUIL within 30 days of the allocation of the project/scheme by CTUIL.

This issue with the approval of Competent Authority.

(R V M M Rao)
Chief General Manager

Encl: as stated.

To:

1. Shri Saurabh Kaushik **Authorized Representative,** Raigarh Neemuch Power Transmission Limited. (A 100% wholly owned subsidiary of GR Infraprojects Ltd.) Core-4, Scope Complex-7, Lodhi Road, South Delhi, Delhi-110003 Saurabh.kaushik@grinfra.com;	**2. Shri Lokendra Singh Ranawat** **Authorized Representative,** Ishanagar Power Transmission Limited. (a subsidiary of IndiGrid 2 Pvt. Ltd.) Unit No. 101, First Floor, Windsor, Village Kolekalyan, off CST Road, Vidyanagari Marg, Kalina, Santacruz, Mumbai-400098 Lokendra.Ranawat@indigrid.com;

Copy to:

1. Chief Engineer PSPA-II & Member Secretary (NCT) Central Electricity Authority Sewa Bhawan, R. K. Puram, New Delhi-110 066	**2.** Joint Secretary (Transmission) Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110 001

Annexure-I

Western Region

1. **Implementation of 1 no. 400 kV line bay at Ishanagar S/s for RE Interconnection of 630 MW Barethi Solar Park of M/s NTPC Renewable Energy Limited (2200002105)**

Sl. No.	Scope of the Transmission Scheme	Item Description	Implementation Timeframe
1.	Implementation of 1 no. 400 kV line bay at Ishanagar S/s for RE Interconnection of 630 MW Barethi Solar Park of M/s NTPC Renewable Energy Limited (2200002105)	• 400 kV line Main bay– 1 No. Tie bay – 1 No.	24 months from the date of allocation of scheme.
		Total Estimated Cost:	**₹17.44Cr. (at Jan'26 PL)**

2. **Western Region Bay Scheme-II (WRBS-II): Implementation of 2 Nos. 220 kV line bays at Handiya S/s for Handiya - Bagli (New) 220 kV D/c line**

Sl. No.	Scope of the Transmission Scheme	Item Description	Implementation Timeframe
3.	Creation of 220 kV Bus Section-II at 400/220 kV Handiya S/s	• 220 kV Sectionalization bay: 1 set • 220 kV TBC: 1 No. • 220 kV BC: 1 No.	24 months from the date of allocation of scheme.
4.	2 nos. 220 kV line bays (on Bus Section-II) at 400/220 kV Handiya S/s (for termination of Handiya - Bagli (New) 220 kV D/c line)	• 220kV line bays (on Bus Section-II): 2 nos.	
		Total Estimated Cost:	**₹35.18 Cr. (at Jan'26 PL)**

Annexure P-10

No.15/3/2018-Trans-Pt(5)
Government of India
Ministry of Power
Shram Shakti Bhawan, Rafi Marg, New Delhi
Dated, the 28h October 2021

OFFICE ORDER

Subject: - Re-constitution of the "National Committee on Transmission" (NCT) - reg.

In super-session of this Ministry's Office Order No. 15/3/2017-Trans dated 04.11.2019, regarding constitution of the National Committee on Transmission (NCT) and subsequent amendment issued vide this Ministry's Office Order No. 15/3/2018-Trans Pt(5) dated 20.05.2021, the undersigned is directed to state that the composition and terms of reference of the existing NCT are amended as mentioned below:

1. Composition of NCT

1	Chairperson, Central Electricity Authority (CEA)	Chairman
2	Member(Power System), CEA	Member
3	Member(Economic & Commercial), CEA	Member
4	Joint Secretary level officer nominated by Secretary, MNRE	Member
5	Director(Trans), M/o Power, Govt. of India	Member
6	Chief Operating Officer, Central Transmission Utility	Member
7	CMD POSOCO	Member
8	Advisor(Energy) , NITI Aayog	Member
9	Two experts from Power Sector to be nominated by MoP*	Members
10	Chief Engineer (from Power System Wing), CEA	Member Secretary

* Will be nominated for a maximum period of two years from the date of their nomination.

2. Terms of Reference (ToR) of the NCT are as under:

i. The NCT shall evaluate the functioning of the National Grid on a quarterly basis.

ii. The Central Transmission Utility (CTU), as mandated under the Electricity Act, 2003, is to carry out periodic assessment of transmission requirement under Inter-State Transmission System (ISTS). The CTU shall also make a comprehensive presentation before the NCT every quarter for ensuring development of an efficient, co-ordinated and economical ISTS for smooth flow of electricity. The CTU, in the process, may also take inputs from the markets to identify constraints and congestion in the transmission system.

28/10/2021

iii. The CTU after consulting Regional Power Committee(s) [RPC(s)] shall submit the proposal for expansion of ISTS to the NCT for their consideration. For proposal upto Rs. 500 crores, prior consultation with RPC would not be required.

iv. As per provision of Electricity (Planning, Development and Recovery of ISTS charges) Rules 2021, the CTU shall also prepare a five-year rolling plan for ISTS capacity addition every year. The Annual Plan shall be put up to the NCT six months in advance, e.g. The Annual Plan for FY 2023-24 will be put up before the NCT by 30th September 2022..

v. After considering the recommendations of the CTU and views of the RPCs, the NCT shall propose expansion of ISTS after assessing the trend of growth in demand and generation in various regions, constraints, if any, in the inter- State, inter- Region transfer of power, which are likely to arise in the near term/ medium term, so that transmission does not constrain the growth.

vi. The NCT shall formulate the packages for the proposed transmission schemes for their implementation.

vii. The NCT shall estimate the cost of transmission packages and may constitute a cost committee for this purpose.

viii. The NCT shall recommend to Ministry of Power (MoP) for implementation of the ISTS for projects with cost more than Rs 500 crore, along with their mode of implementation i.e. Tariff Based Competitive Bidding (TBCB) / Regulated Tariff Mechanism (RTM), as per the existing Tariff Policy. However, the NCT shall approve the ISTS costing between Rs 100 crore to Rs.500 crore or such limit as prescribed by MoP from time to time, along with their mode of implementation under intimation to MoP. The ISTS costing less than or equal to Rs. 100 crores, or such limit as prescribed by MoP from time to time, will be approved by the CTU along with their mode of implementation under intimation to the NCT and MoP. After approval of the ISTS by the NCT or the CTU (as the case may be), the TBCB project shall be allocated to Bid Process Coordinators through Gazette Notification, while the RTM project shall be allocated to CTU.

ix. The NCT shall allocate the task of carrying out survey amongst the CTU and Bid Process Coordinators by maintaining a roster.

3. The NCT meetings shall be held every quarter, and on monthly basis, if required.

4. While making their recommendations,

i. the NCT shall keep in mind the relevant Act, Rules, Regulation, policies and guidelines such as but not limited to - Electricity Act 2003, National Electricity Policy, Tariff Policy, Electricity (Transmission System Planning, Development and Recovery of Inter-State Transmission Charges) Rules, 2021, Guidelines for Encouraging Competition in Development of Transmission Projects, Tariff based Competitive Bidding Guidelines for Transmission Service and any specific advice received from MoP.

ii. For enabling growth of Renewable Energy (RE) capacity, areas which have high solar/wind energy potential, as identified by Ministry of New and Renewable Energy

28/10/2021.

(MNRE), need to be connected to ISTS, so that the RE capacity can come up there. This is a national mission as a part of our energy transition goal.

5. This issues with the approval of the Hon'ble Minister of Power and New & Renewable Energy.

28/10/2021

(Bihari Lal)
Under Secretary to the Govt. of India
Telefax: 23325242
Email: transdesk-mop@nic.in

To

1. All Members of NCT.
2. Secretary, Ministry of New & Renewable Energy, Govt. of India.
3. Chairperson, CEA, New Delhi.
4. Secretary, CERC
5. CMDs of all CPSUs under the Ministry of Power, Govt. of India.
6. Heads of all autonomous bodies under the Ministry of Power, Govt. of India.
7. Finance/ Budget Section, Ministry of Power.
8. Power/ Energy Secretaries of all States/UTs.
9. Chief Executives of all State Power Transmission Utilities.
10. CEO, NITI Aayog, New Delhi.

Copy to:

i. PS to Hon'ble MoP/ PS to Hon'ble MoSP/Sr PPS/ PPS/ PS to Secretary(Power)/ AS&FA/ AS(SKGR)/ AS(VKD)/ all Joint Secretaries/ Economic Advisor/ Chief Engineer(Th)/ all Directors/ Dy. Secretaries, Ministry of Power.

ii. Technical Director, NIC, M/o Power, for publishing this order on the website of M/o Power.

28/10/2021

Form-I

Application Form for Grant of Transmission licence

1. **Particulars of the Applicant**

S No	Particulars	Details
i.	Name of the Applicant	Rajgarh Neemuch Power Transmission Limited
ii.	Status	Wholly owned subsidiary of G R Infraprojects Limited pursuant to execution of Share Purchase Agreement dated 29.09.2025
iii.	Address	2nd Floor, Novus Tower, Plot No. 18, Sector-18, Gurugram, Haryana – 122015
iv.	Name, Designation & Address of the Contact Person	Pothiawala Afak [Senior Manager], Rajgarh Neemuch Power Transmission Limited, C/o 2nd Floor, Novus Tower, Plot No. 18, Sector-18, Gurugram, Haryana – 122015
v.	Contact Telephone No	9586004653
vi.	Fax No	–
vii.	Email ID	pothiawala.a@grinfra.com rnptl@grinfra.com
viii.	Place of Incorporation/ Registration	New Delhi
ix.	Year of Incorporation/ Registration	17.06.2025
x.	Following documents are to be enclosed	
	a) Certificate of Registration	Annexure P-4
	b) Copy of Board Resolution	Annexure P-4

2. **Particulars of the Project for which licence is being sought:**

a) Transmission Lines:

[Pachora PS – Rajgarh (PG) 400 kV D/c line] – 185.448 Km

[Neemuch PS – Pachora PS 400 kV D/c line] – 220.99 Km

[Pachora PS – Handiya 400 kV D/c line] – 214.43 Km

[LILO of Khandwa(PG) – Itarsi(PG) 400 kV D/c (Twin Moose) line at Handiya S/s] – Line In – 15.346 Km & Line Out – 14.291 Km

*As per survey report

b) Sub-stations:

[2x500 MVA, 400/220 kV S/s at Handiya alongwith 2x125 MVAr 420 kV Bus Reactors]

c) Commissioning Schedule

Sl. No	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are prerequired for declaring the commercial operation (COD) of the respective Element
1	Creation of New 220 kV Bus Section (3rd) with 220 kV Bus Sectionaliser and 400/220 kV, 3x500 MVA ICT augmentation (7th, 8th & 9th) at Pachora PS terminated on 220 kV Bus Section (3rd)	24 months from effective date as per TSA (29.09.2027)	5.04%	Elements at sl. no. 1, 2a, 3 and 4 are pre-required for declaring the commercial operation (COD)
2	**2a**. 3 Nos. 220 kV line bays for RE interconnection on Bus Section (3rd)		0.48%	
	2b. 1 No. 220 kV line bay for RE Interconnection of Purvah Green Power Pvt. Ltd. on Bus Section (3rd)		0.16%	Element at sl. No. 2b can be commissioned separately subject

Sl. No	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are prerequired for declaring the commercial operation (COD) of the respective Element
				to commissioning of elements at sl. no. 1, 2a, 3 and 4.
3	Pachora PS – Rajgarh(PG) 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) along with associated line bays at both ends and 50 MVAr (Sw LR) on each ckt at both ends		24.54%	Elements at sl. no. 1, 2a, 3 and 4 are pre-required for declaring the commercial operation (COD)
4	Installation of 1x125 MVAr, 420 kV bus reactor at Pachora PS (400 kV Bus Section-II)		0.86%	
5	Creation of New 220 kV Bus Section-II at Neemuch PS with Augmentation of transformation capacity by 3x500 MVA, 400/220 kV ICTs (3rd, 4th and 5th) at Neemuch S/s along with associated bays.		5.04%	All Elements are required for declaring the commercial operation (COD) of the subject scheme
6	4 Nos. 220 kV Line bays at Neemuch PS for RE interconnection		0.64%	
7	Neemuch PS – Pachora PS 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) along associated Line bays and 50 MVAr Switchable Line Reactor (Sw LR) on each ckt at both ends		26.26%	

Sl. No	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are prerequired for declaring the commercial operation (COD) of the respective Element
8	Establishment of 2x500 MVA, 400/220 kV S/s at Handiya alongwith 2x125 MVAr 420 kV Bus Reactors		7.41%	
9	Pachora PS – Handiya 400 kV D/c line (Quad ACSR/ AAAC/ AL59 Moose equivalent) along with associated bays at Pachora PS end and 50 MVAr Switchable Line Reactor (Sw LR) on each ckt at both ends		25.55%	
10	LILO of Khandwa(PG) – Itarsi(PG) 400 kV D/c (Twin Moose) line at Handiya S/s		3.38%	
11	Installation of 1x125 MVAr, 420 kV bus reactor (2nd) at Neemuch PS		0.64%	

Note:

- TSP (Existing) of Neemuch PS shall provide space for above scope of work (free of cost) at Neemuch PS.
- The TSP shall coordinate with M/s GR Infra Projects (TSP of Pachora PS) for available land within Pachora PS (free of cost) and shall coordinate with RUMSL for acquisition of additional land as required for developing the scope of work at Pachora PS .
- 400kV lines (Pachora PS -Rajgarh, Neemuch - Pachora PS & Pachora PS – Handiya), 400/220 kV, 3x500 MVA ICTs & 1x125 MVAR, 420 kV bus reactor at Pachora PS under the subject scheme shall be terminated at bus section-II of 400kV level of Pachora PS being implemented under Rajgarh Phase-II:1000MW scheme by M/s G R Infra Projects Ltd.
- MPPTCL to implement LILO of both Circuit of Handia(MPPTCL)220 to Bisonikala (TBCB) 220kV lines at Handia 400 (New ISTS S/s), LILO of Itarsi(MP) to Handia(MPPTCL) 220kV line at Handia 400 (New ISTS S/s) and LILO of Itarsi(MP) to

Barwaha(MP) 220kV line at Handia 400 (New ISTS S/s) in matching time-frame of Handiya S/s

d) Identified Long-Term transmission customers of the Project: **Not Applicable**

e) Any other relevant information: Nil

3. Levelised transmission charges in case of project selected through the transparent process of competitive bidding and estimated completion cost of the project in other cases: Rs 3,670.73 million per annum

4. In case applicant has been selected in accordance with the guidelines for competitive bidding, enclose:

(a) Recommendation of selection by the Empowered Committee

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

} Bid Evaluation Committee Certificate as furnished by BPC is enclosed as Annexure P-9

5. List of documents enclosed:

Name of the Document

a) **Certificate of Registration, MoA & AoA: Annexure P- 4 and Annexure P-5 (Colly.)**
b) **Copy of Board Resolution: Annexure P-4**
c) **Bid Evaluation Committee Certificate as furnished by BPC: Annexure P-9**

(Signature of the Applicant)

Dated: 06.10.2025

Place: Gurugram

RAJGARH NEEMUCH POWER TRANSMISSION LIMITED

RAJGARH NEEMUCH POWER TRANSMISSION LIMITED

Core-4, Scope Complex,7, Lodhi Road, New Delhi-110003, India
CIN: U42202DL2025GOI450309 Email: spv@grinfra.com; Ph. No.: 0294-2487370

CERTIFIED TRUE COPY OF RESOLUTION PASSED BY BOARD OF DIRECTORS OF RAJGARH NEEMUCH POWER TRANSMISSION LIMITED IN THEIR MEETING HELD ON MONDAY, 29TH SEPTEMBER 2025 AT 2ND FLOOR, NOVUS TOWER, PLOT NO. 18, SECTOR 18, GURUGRAM, HARYANA-122015.

"**RESOLVED THAT** Mr. Ashwin Agarwal, Mr. Vivek Pratap Singh, Mr. Saurabh Kaushik and Mr. Pothiawala Afak Authorized Signatories of the Company be and are hereby severally authorized to sign and submit petitions, affidavits, agreements, declarations, undertakings, deeds, Bills and other documents in connection therewith or incidental thereto before Central Electricity Regulatory Commission (CERC) or Appellate Tribunal for Electricity (APTEL) or Regional Power Committees and Regional Load Dispatch Centers and other regulatory authorities for and on behalf of the Company.

RESOLVED FURTHER THAT the above Authorized Signatories be and are hereby further severally authorized:

(a) to issue notices, affidavit and other documents, communications to Long Term Transmission Customers and other Parties/ agencies.
(b) to file Petition, Affidavit, Notices and other documents before Regulatory Commission or other Electricity body, Appellate Tribunal for Electricity and Supreme Court for issues arising out of Transmission Service Agreement.
(c) to engage, appoint or remove any pleaders or advocates, and sign vakalatnamas, power of attorney for such engagement or appointment and (d) to file appeal and defend the interest of the Company."

Certified True Copy

For Rajgarh Neemuch Power Transmission Limited

Saurabh Kaushik
Additional Director
DIN: 10479173

RAJGARH NEEMUCH POWER TRANSMISSION LIMITED

BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI
PETITION NO. /TL/2026

IN THE MATTER OF: Petition under Sections 14, 15 79(1)(e) of the Electricity Act, 2003 read with Central Electricity Regulatory Commission (Procedure, Terms and Conditions for Grant of Transmission Licence and other related matters) Regulations, 2024 seeking grant of a Transmission Licence for development of 2 Nos. 220 kV Line bays at Handia S/s for Handia-Bagli (New) 220 kV D/c line, under Regulated Tariff Mechanism

AND IN THE MATTER OF:

Rajgarh Neemuch Power Transmission Limited **...PETITIONER**

VERSUS

Central Transmission Utility of India Ltd & Anr **...RESPONDENTS**

VAKALATNAMA

I, Mr. Pothiawala Afak, s/o Shri Pothiawala Amin, aged about 40 years, Authorized Representatives of the Petitioner herein in the captioned appeal do hereby appoint and retain **HEMANT SINGH, MRIDUL CHAKRAVARTY, BIJU MATTAM, SOURAV ROY, LAKSHYAJIT SINGH BAGDWAL, SUPRIYA RASTOGI AGARWAL, NEHUL SHARMA, HARSHIT SINGH, LAVANYA PANWAR, ALCHI THAPLIYAL, DEVYANSHU SHARMA, JAI LAL, NISHANT KUMAR GANDHARV GARG SAKSHAM SAXENA, ARUN LAL, SHUBHANKER SHARDA, NITESH SINGH,SAJID AKHTAR, DHARMENDRA**

SINGH, ANAS RANGREZ, PRAGYA GUPTA and MAHIMA SRIVASTAVA, Charter Law Chamber, Attorneys-at-law, to appear, plead and act for me/us in the above Appeal, and to conduct and prosecute all proceedings that may be taken in respect thereof and applications for return of documents, enter into compromise and to draw any moneys payable to me/us in the said proceeding, and also to appear in all applications for review and for leave to the Supreme Court of India in all applications for review of judgement.

Place: NEW DELHI

Date: 23.09.2026

Signature of the Party

Executed in my presence.

"Accepted"

[HEMANT SINGH]
D/1810/2007
M/s Charter Law Chambers
Attorneys-at-law
G-10, JUNGPURA EXTN.
NEW DELHI – 110 014
PH: 011 – 4166617/18
Email: desk@charter.law

Signature with date
(Name and Designation)

MRIDUL CHAKRAVARTY
(D/607/2007)

BIJU MATTAM
(K-208/2000)

SOURAV ROY
(F/469/2013)

SUPRIYA RASTOGI AGARWAL
(D/2303/2016)

LAKSHYAJIT SINGH BAGDWAL
(D/2048/2018)

HARSHIT SINGH
(MAH4290/2019)

NEHUL SHARMA
(D/2739/2018)

LAVANYA PANWAR
(D/5117/2021)

ALCHI THAPLIYAL
(D/5167/2021)

PRAGYA GUPTA
(D/9138/2021)

DEVYANSHU SHARMA
(D/3544/2023)

JAI LAL
(D/1088/2005)

NISHANT KUMAR
(D/2957/2014)

GANDHARV GARG
(D/498/2019)

SAKSHAM SAXENA
(D/2878/2019)

ARUN LAL
D/1033/2009

SHUBHANKER SHARDA
D/2055/2015

NITESH SINGH
(UP02088/2025)

SAJID AKHTAR
(UP06224/2023)

DHARMENDRA SINGH
(UP/01839/2021)

MAHIMA SRIVASTAVA
(BR/1765/2024)

ANAS RANGREZ