# 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

# UNDER

# TRANSMISSION SYSTEM FOR PROPOSED GREEN HYDROGEN / GREEN AMMONIA PROJECTS IN VIZAG AREA, ANDHRA PRADESH (PHASE-I)

## 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: vijay.kulkarni@recpdcl.in & tbcb@recpdcl.in**

**03.02.2026**

**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 proposed Green Hydrogen / Green Ammonia projects in Vizag area, Andhra Pradesh (Phase-I)" is issued by REC Power Development and Consultancy Limited.**

This RFP document is issued to -

M/s. _____

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**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, Government of India vide its Gazette Notification No. 5827 [F. No. 15/3/2018-Trans-Part (4)] dated 26.12.2025 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 to establish Inter-State transmission system for **"Transmission system for proposed Green Hydrogen / Green Ammonia projects in Vizag area, Andhra Pradesh (Phase-I)"** 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 establish Inter-State Transmission system - **Transmission system for proposed Green Hydrogen / Green Ammonia projects in Vizag area, Andhra Pradesh (Phase-I)"** (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. | Establishment of 4x1500 MVA, 765/400 kV Pendurthi (Vizag) GIS substation with 1x330 MVAr (765 kV) bus reactor with space provision for establishment of 220 kV switchyard<br><br>• 765/400 kV, 1500 MVA, ICTs – 4 Nos. (13x500 MVA incl. 1 spare unit)<br>• 765 kV ICT bay – 4 Nos.<br>• 400 kV ICT bay – 4 Nos.<br>• 765 kV line bays – 2 Nos. (at Pendurthi (Vizag) GIS for termination of Pendurthi (Vizag) – Srikakulam 765 kV D/c line)<br>• 765 kV line bays – 2 Nos. with provision of SLR (at Pendurthi (Vizag) GIS for termination of Khammam-II – Pendurthi (Vizag) –765 kV D/c line) | 30 Months |

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| | • 765 kV, 330 MVAr Bus Reactors – 1 No. (4x110 MVAr inc. 1 switchable spare unit for both bus reactor and line reactor)<br>• 765 kV Bus Reactor bays – 1 No.<br>• 400 kV line bays – 4 Nos. (at Pendurthi (Vizag) GIS for termination of LILO of Kalpakka – Maradam 400 kV (quad) D/c line at Pendurthi)<br><br>**Future Space Provisions:**<br>• 765/400 kV, 1500 MVA, ICTs – 2 Nos.<br>• 765 kV ICT bays – 2 Nos.<br>• 400 kV ICT bays – 2 Nos.<br>• 765 kV line bays – 8 Nos. (with provision for SLR)<br>• 400 kV line bays – 12 Nos. (with provision for SLR)<br>• 400 kV Bus Sectionalizer : 1 set<br><br>**Future Space Provisions for 220kV switchyard:**<br><br>• 400/220 kV, 500 MVA, ICTs – 10 Nos.<br>• 400 kV ICT bays – 10 Nos.<br>• 220 kV ICT bays – 10 Nos.<br>• 220 kV line bays – 16 Nos.<br>• 220 kV Bus Sectionalizer: 3 set<br>• 220 kV Bus Coupler (BC) Bay – 4 Nos.<br>• 220 kV Transfer Bus Coupler (TBC) Bay – 4 Nos. | |
| 2. | ± 300 MVAr STATCOM with 2x125 MVAr MSC at Pendurthi (Vizag) GIS with control switching arrangement for proposed 1x330 MVAr bus reactor<br><br>Space provision for 2nd ± 300 MVAr STATCOM with 2x125 MVAr MSC at Pendurthi (Vizag) GIS<br><br>• ± 300 MVAr STATCOM with 2x125 MVAr MSC at Pendurthi (Vizag) GIS with control switching arrangement for proposed 1x330 MVAr bus reactor – 1 set<br>• 400 kV bay – 1 No. | |
| 3. | Pendurthi (Vizag) – Srikakulam 765 kV D/c line with 330 MVAr SLR (convertible) at Srikakulam end on both circuits | |

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| | • 765 kV line along with SLR GIS bays at Srikakulam - The D/c line to be terminated in the future line bays with SLR proposed under the scheme "Inter-Regional Strengthening between SR Grid and ER Grid"<br>• 765 kV, 330 MVAr SLR at Srikakulam – 2 Nos. (7x110 MVAr switchable units inc. 1 switchable spare unit) | |
| 4. | LILO of Kalpakka – Maradam 400 kV (quad) D/c line at Pendurthi | |
| 5. | Establishment of 3x1500 MVA, 765/400 kV Khammam-II substation with 1x330 MVAr (765 kV) bus reactor with space provision for establishment of 220 kV switchyard<br><br>• 765/400 kV, 1500 MVA, ICTs – 3 Nos. (10x500 MVA incl. 1 spare unit)<br>• 765 kV ICT bay – 3 Nos.<br>• 400 kV ICT bay – 3 Nos.<br>• 765 kV line bays – 4 Nos. (at Khammam-II for termination of Khammam-II – Pendurthi and Khammam-II – Warangal New 765 kV D/c lines)<br>• 765 kV, 330 MVAr Bus Reactors – 1 No. (4x110 MVAr inc. 1 switchable spare unit for both bus reactor and line reactor)<br>• 765 kV Bus Reactor bays – 1 No.<br>• 400 kV line bays – 2 Nos. (at Khammam-II for termination of Khammam-II – Khammam (existing) 400 kV (quad) D/c line)<br><br>**Future Space Provisions:**<br>• 765/400 kV, 1500 MVA, ICTs – 3 Nos.<br>• 765 kV ICT bays – 3 Nos.<br>• 400 kV ICT bays – 3 Nos.<br>• 765 kV line bays – 8 Nos. (with provision for SLR)<br>• 400 kV line bays – 10 Nos. (with provision for SLR)<br>• 400 kV Bus Sectionalizer: 1 set<br><br>**Future Space Provisions for 220kV switchyard:**<br>• 400/220 kV, 500 MVA, ICTs – 10 Nos.<br>• 400 kV ICT bays – 10 Nos.<br>• 220 kV ICT bays – 10 Nos.<br>• 220 kV line bays – 16 Nos.<br>• 220 kV Bus Sectionalizer: 3 set<br>• 220 kV Bus Coupler (BC) Bay – 4 Nos. | |

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| | • 220 kV Transfer Bus Coupler (TBC) Bay – 4 Nos | |
| 6. | Khammam-II – Warangal New 765 kV D/c line<br><br>• 765 kV line bays – 2 Nos. (at Warangal New) | |
| 7. | Khammam-II – Pendurthi (Vizag) 765 kV D/c line with 330 MVAr SLR (convertible) at both ends on both circuits<br><br>• 765 kV, 330 MVAr SLR at Pendurthi (Vizag) – 2 Nos. (6x110 MVAr switchable units)<br>• Switching Equipment for 765 kV SLR at Pendurthi (Vizag) GIS – 2 Nos<br>• 765 kV, 330 MVAr SLR at Khammam-II – 2 Nos. (6x110 MVAr switchable units)<br>• Switching Equipment for 765 kV SLR at Khammam-II PS – 2 Nos | |
| 8. | Khammam-II – Khammam (existing) 400 kV (quad) D/c line<br><br>• 400kV line bays – 2 Nos. (at Khammam (existing)) | |

**Note:**

i. *Bay(s) required for completion of diameter (GIS) in one-and-half breaker scheme shall also be executed by the TSP.*

ii. *POWERGRID to provide space (free of cost) for 765 kV line along with SLR GIS bays at Srikakulam - The D/c line to be terminated in the future line bays with SLR proposed under the scheme "Inter-Regional Strengthening between SR Grid and ER Grid"*

iii. *POWERGRID to provide space (free of cost) for 2 Nos. of 400 kV line bays at Khammam for termination of Khammam-II – Khammam (existing) 400 kV (quad) D/c line*

iv. *TSP of Warangal New S/s (Adani) to provide space (free of cost) for 2 Nos. of 765 kV line bays with provision of SLR at Warangal New S/s for termination of Khammam-II – Warangal New 765 kV D/c line*

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 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 14/14A/14B 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 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, vijay.kulkarni@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 06.04.2026 via electronic transfer to the following Bank Account:

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| Bank Name, Address & Branch | ICICI Bank<br>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 03.02.2026 to 06.04.2026 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 07.04.2026 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 14/14A/14B 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: vijay.kulkarni@recpdcl.in& tbcb@recpdcl.in