

Transmission System for Eastern Region Expansion Scheme-XXXIV (ERES-XXXIV)		
S. No.	Name of Transmission Element	Scheduled COD in months from Effective Date
	<p><i>[for termination of Angul (POWERGRID) – Paradeep 765kV D/c line along with 765kV, 1x330MVA switchable line reactor at Paradeep end in both circuits]</i></p> <ul style="list-style-type: none"> 765kV, 330MVA (3x110MVA single phase units) switchable line reactor along with associated bay and 500 ohm NGR (with NGR bypass arrangement): 2 nos. <p><i>[at Paradeep end in both circuits of Angul (POWERGRID) – Paradeep 765kV D/c line]</i></p> <ul style="list-style-type: none"> 400kV line bays: 2 nos. <p><i>[for termination of Paradeep – Paradeep (OPTCL) 400kV D/c (Quad) line]</i></p> <p>Additional space for future expansion:</p> <ul style="list-style-type: none"> 765/400kV, 4x1500MVA ICTs (13 x500MVA single phase units including one spare) along with associated ICT bays at both voltage levels 400/220kV, 5x500MVA ICTs along with associated ICT bays at both voltage levels 765kV, 2x330MVA (7x110MVA single phase units including one spare) bus reactor along with associated bays 420kV, 2x125MVA bus reactor along with associated bays 10 nos. of 765kV line bays (along with space for switchable line reactor) for future lines 12 nos. of 400kV line bays (along with space for switchable line reactor) for future lines 12 nos. of 220kV line bays for future lines 765kV bus sectionaliser bay: 1 set 400kV bus sectionaliser bay: 1 set 220kV bus sectionaliser bay :1 set 220kV bus coupler bay: 2 no. 	
2.	Angul (POWERGRID) – Paradeep 765kV D/C line along with 765kV, 1x330MVA switchable line reactor with 500 ohm NGR (with NGR bypass arrangement) at Paradeep end in both circuits	

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3.	Paradeep – Paradeep (OPTCL) 400kV D/c (Quad) line	
4.	Extension at Angul (POWERGRID) S/s <ul style="list-style-type: none"> 765kV line bays (along with space for future switchable line reactor): 2 nos. <i>[for termination of Angul (POWERGRID) – Paradeep 765kV D/c line along with 765kV, 1x330MVAR switchable line reactor at Paradeep end in both circuits]</i>	
5.	#Extension at Paradeep (OPTCL) GIS S/s <ul style="list-style-type: none"> 400kV GIS line bays: 2 nos. <i>[for termination of Paradeep – Paradeep (OPTCL) 400kV D/c (Quad) line]</i>	

Note:

- i) *POWERGRID shall provide space at Angul (POWERGRID) 765/400kV S/s for implementation of 2 no. of 765kV line bays (along with space for future switchable line reactor) for termination Angul (POWERGRID) – Paradeep 765kV D/c line.*
 - ii) *OPTCL shall provide space at under implementation Paradeep (OPTCL) 400/220kV GIS S/s (expected Dec 2024) for implementation of 2 no. of 400kV line bays for termination of Paradeep – Paradeep (OPTCL) 400kV D/c (Quad) line.*
 - iii) *#As the bus scheme of Paradeep (OPTCL) GIS S/s is one and half breaker scheme, 2 Nos. full diameter i.e. 4 Nos. of GIS bays needs to be implemented in the scheme for requirement of 2 Nos. GIS bays for termination of Paradeep (OPTCL) – Paradeep 400 kV D/c (Quad) line in two different diameters. Utilisation of other 2 Nos. GIS bays of these diameters shall be identified in future.*
 - iv) *The line lengths mentioned above are approximate, as the exact length shall be obtained after detailed survey.*
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 Lol. There shall be no physical submission of the Financial Bid.

The Technical Bid shall be opened first and the Financial Bid of only the bidder 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 **SPV [which is under incorporation]** 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 **SPV [which is under incorporation]**, 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 **General Manager, Tel. +91 11 23443996, Fax +91 11 23443990, Email: pfcl.itp@pfcindia.com** at the address given in para 12 below with a non-refundable fee of **Rs. 5,00,000/- (Rupees Five Lakh Only) or US\$ 7000/- (US Dollars Seven Thousand Only)** plus 18% GST, to be paid via electronic transfer to the following Bank Account:

Bank Account Name : PFC Consulting Limited
Account No. : 000705036117
Bank Name : ICICI Bank
IFSC : ICIC0000007
Branch : Connaught Place, New Delhi-110001

latest by **August 24 , 2023**. 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 **June 23, 2023 to August 24, 2023, between 10:30 hours (IST) to 16:00 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 **15:00 hours (IST) on August 25, 2023**. Technical Bid will be opened by the Bid Opening Committee on the same day at 15:30 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 Lol. 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 Bid 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:

General Manager
PFC Consulting Limited
9th Floor, A-Wing, Statesman House
Connaught Place, New Delhi - 110001, India
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