**सेंट्रल ट्रांसमिशन यूटिलिटी ऑफ इंडिया लिमिटेड**

**CENTRAL TRANSMISSION UTILITY OF INDIA LIMITED**

**(Wholly Owned Subsidiary of Power Grid Corporation of India Limited)**

**(A Government of India Enterprise)**

**REQUEST FOR PROPOSAL (RfP)**

**(Section – I: Request for Proposal)**

**for**

**Appointment of Independent Engineer for “Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat under Phase-V (8GW): Part A”**

**(Spec. No. CTUIL/IE/2024-25/66)**

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**REQUEST FOR PROPOSALS (RfP)**

(**Domestic Competitive Bidding**)

**(SINGLE STAGE TWO ENVELOPE BIDDING)**

DATE **:**  **03.02.2025**

FUNDING : **DOMESTIC**

1. This Request for Proposal (RfP) for the subject package have been published on **03.02.2025** on CTUIL’s website, GeM(Government e-marketplace) portal (link provided at para 9.0 below) and on Government of India’s Central Public Procurement Portal (<https://eprocure.gov.in>). Any Corrigendum and/or amendments, etc. shall also be published only on the above website/portals.
2. Central Transmission Utility of India Limited (CTUIL), (wholly Owned Subsidiary of Power Grid Corporation of India Limited) a Government of India Enterprise incorporated under the Companies Act, 2013, having its Registered Office at “Saudamini”, Plot No.-2, Sector 29, Gurgaon-122001, Haryana (hereinafter referred to as ‘CTUIL’/’Owner’/’Employer’) has decided to engage an **Appointment of Independent Engineer for “Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat under Phase-V (8GW): Part A”.**
3. **Scope of work:**

3.1 The detailed scope of work and deliverables covered under the subject package **Appointment of Independent Engineer for “Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat under Phase-V (8GW): Part A”** are given in Section – II: Terms of Reference (ToR) of the Bidding Documents for following Transmission Scheme:

**Scope of Work of the Transmission Scheme:**

| **Sl. No.** | **Name of Transmission Element** | **Scheduled COD in months from Effective date** |
| --- | --- | --- |
| 1 | Establishment of 6000 MW, ± 800 kV KPS2 (HVDC) [LCC] terminal station (4x1500 MW) along with associated interconnections with 400 kV HVAC Switchyard.  6000 MW, ± 800 kV KPS2 (HVDC) [LCC] Terminal station | 48 Months for Bipole-1 (19//11/2028) and 54 Months for Bipole-2 |
| 2 | Establishment of 6000 MW, ± 800 kV Nagpur (HVDC) [LCC] terminal station (4x1500 MW) along with associated interconnections with 400 kV HVAC Switchyard  6000 MW, ± 800 kV Nagpur (HVDC) [LCC] terminal station |
| 3 | ±800 kV HVDC Bipole line (Hexa lapwing) between KPS2 (HVDC) and Nagpur (HVDC) (with Dedicated Metallic Return) (capable to evacuate 6000 MW with overload as specified)  Line Length (Approx.): 1206 kms. |
| 4 | Establishment of 6x1500 MVA, 765/400 kV ICTs at NagpurS/s along with 2x330 MVAR (765 kV) & 2x125 MVAR, 420 kV bus reactors along with associated interconnections with HVDC Switchyard. The 400 kV bus shall be established in 2 sections through 1 set of 400 kV bus sectionaliser so that 3x1500 MVA ICTs are placed in each section. The bus sectionaliser shall be normally closed and may be opened based on Grid requirement.   * + 765/400 kV, 1500 MVA ICT-6 (3 on each 400 kV section) (19 single phase units including one spare unit)   + 765 kV ICT bays- 6 Nos.   + 400 kV ICT bays- 6 Nos. (3 on each section)   + 330 MVAR 765 kV bus reactor-2 Nos.   + 125 MVAR 420 kV bus reactor-2 Nos. (one on each section)   + 765 kV reactor bay- 2 Nos.   + 765 kV line bay- 4 Nos.   + 400 kV reactor bay- 2 Nos. (one on each section)   + 400 kV Bus sectionaliser - 1 Set   + 110 MVAR, 765 kV, 1-ph reactor (spare unit for line/bus reactor) - 1 No.   **Future Provisions at Nagpur:**  **Space for:**   * + 765/400 kV, 1500 MVA ICT- 4 (1 on 400 kV bus section-II & 3 on future 400 kV bus section-III)   + 765 kV line bays along with switchable line reactors – 10 Nos.   + 765 kV Bus Reactor along with bay: 2 No.   + 765 kV Sectionaliser bay: 1 -set   + 400 kV line bays along with switchable line reactor – 12 Nos.   + 400 kV Bus sectionaliser- 1 Set   + 400/220 kV ICT along with bays -9 Nos. (3 Nos. on 400 kV bus sections II & 6 Nos. on future bus section-III)   + 400 kV Bus Reactor along with bay: 4 No. (1 each on 400 kV bus sections I & II and 2 on future 400 kV bus section-III)   + 220 kV line bays: 16 Nos.   + 220 kV Sectionalization bay: 2 set   + 220 kV BC & TBC: 3 Nos.   + 80 MVAR, 765 kV, 1-ph reactor (spare unit for line reactor)-1 |
| 5 | LILO of Wardha – Raipur 765 kV one D/c line (out of 2xD/c lines) at Nagpur  Line length (approx.): 38 km |
| 6 | Installation of 240 MVAR switchable line reactor at Nagpur end on each ckt of Nagpur – Raipur 765 kV D/c line   * 240 MVAR, 765 kV switchable line reactors- 2 Nos. (at Nagpur end) * Switching equipment for 765 kV line reactor- 2 Nos. (at Nagpur end) * 80 MVAR, 765 kV, 1-ph reactor (spare unit for line reactor)-1 No. |

The detailed **Qualifying Requirements (QR) and Technical Evaluation Criteria** have been provided in the Bidding Document.

1. The **completion period** for the subject packages shall be the period as specified in Special Conditions of Contract (Section – IV) of the bidding documents.
2. CTUIL intends to use **domestic funding** for eligible payments under the contract for the packages mentioned above.
3. CTUIL, therefore, invites Proposals through GeM portal for **Appointment of Independent Engineer for “Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat under Phase-V (8GW): Part A”** on Domestic Competitive Bidding basis for engagement of Independent Engineer using **Quality and Cost Based Section (QCBS)** procedures under secured e-procurement procedure.

The following documents constitute the RfP document to enable Bidders to submit their Proposals:

1. Section – I: Request for Proposals;
2. Section – II: Terms of Reference (ToR);
3. Section – III: Conditions of Contract;
4. Section – IV: Special Conditions of Contract;
5. Section– V: Proposal Forms (Technical & Financial), Attachments & Schedule

7.1 This Request for Proposals extended through media, website, written communication or by any other means, and issuance of RfP Documents shall not be construed to mean that the prospective Bidders to whom the Request for Proposal has been extended and/or RfP Documents have been issued is deemed to be an eligible Bidder. The eligibility of the Bidders shall be determined as per the provisions of RfP Documents.

7.2 Bidding will be conducted through Open Tender bidding procedures as per the provisions of RfP Documents and the contract shall be executed as per the provisions of the Contract. The respective rights of the Employer and the Independent Engineer shall be governed by the RfP Documents.

1. The complete Bidding Documents are available on GeM portal <https://bidplus.gem.gov.in/all-bids> . Interested bidders shall download the Bidding Documents from the GeM portal, as per the provisions available therein.

Bidders shall ensure that their bids, complete in all respects, are submitted online through said Portal only. No DEVIATION in this regard is acceptable.

1. Interested bidders have to necessarily register themselves on the GeM portal <https://mkp.gem.gov.in/registration/signup#!/seller> to participate in the bidding under this Request for Proposal.

Bidders are advised to start the registration process on the e-Procurement Portal, as it may take a few days so as to avoid any delay in bid submission (upload) stage. Bidders may visit/communicate to GeM helpdesk regarding any query related to GeM portal.

It shall be the sole responsibility of the interested bidders to get themselves registered at the aforesaid portal and for any assistance during bid submission, system settings etc. for which they are required to contact GeM helpdesk: <https://gem.gov.in/contactUs>

**Toll Free Numbers (Inbound): Call**

**1800-419-3436 / 1800-102-3436**

**(9:00 am - 10:00 pm Mon to Sat )**

**HelpDesk Outbound No's : 07556681401, 07556685120, 01169095625**

**Railway Helpline: 011-44022666**

**Defence Helpline: 0755-6681450**

*Email:* [helpdesk-gem@gov.in](mailto:helpdesk-gem@gov.in)

**HelpDesk Walk-In Address: 2nd Floor, Jeevan Tara Building, 5-Sansad Marg, Near Patel Chowk, New Delhi-110001**

They may obtain further information regarding this RfP from the office of Manager/ Engineer, CTUIL at the address given at **para 14.0** below from 15:00 hours to 17:00 hours on all working days.

For proper uploading of the proposals on the portal namely *https://gem.gov.in/ (hereinafter referred to as the ‘portal’)*, it shall be the sole responsibility of the bidders to apprise themselves adequately regarding all the relevant procedures and provisions as detailed at the portal as well as by contacting **GeM portal** directly, as and when required, for which contact details are mentioned above. The Employer in no case shall be responsible for any issues related to timely or properly uploading/submission of the bid in accordance with the relevant provisions of the Bidding Documents.

1. A **Single Stage Two Envelope Bidding Procedure** will be adopted and will proceed as detailed in the Bidding Documents.
2. **e-Reverse Auction (e-RA)**

The electronic Reverse Auction (e-RA) is not applicable.

1. A **pre-bid meeting** will be held on **10.02.2025 at 1100 Hrs. (IST)** to clarify the bidder’s various issues raised in accordance with clause **5.2** of Section – III: Conditions of Contracts.
2. **Soft Copy Part of the Proposals** must be uploaded under Single Stage Two Envelope Bidding Procedure on the GeM portal at or before **15:00 hours** on **24.02.2025.** The e-Procurement system would not allow any late submission of proposals through the portal after the due date & time as specified.

**Hard Copy Part of the Proposals** must be submitted under Single Stage Two Envelope Bidding Procedure at the address given at para 14.0 below at or before **15:00 hours on 24.02.2025**. Late submission of proposals shall not be allowed.

First Envelope i.e., Techno-Commercial Part shall be opened on **24.02.2025** in the presence of the bidders’ representatives who choose to attend in person at the address at para 15.0 below at **15:30 hours** or may be viewed by the bidders by logging in to the portal. Second Envelope i.e., Price Part of qualified bidders shall be opened in the presence of the bidders’ representatives who choose to attend at the time and date and at the address given in the intimation for opening of Second Envelope through GeM portal itself in accordance with **Clause 21.0 of Section – III: Conditions of Contracts** or may be viewed by the bidders by logging in to the GeM portal.

All proposals must be accompanied by **Proposal Security in line with Clause 11.0 of Section-III/Section-IV of Bidding Document.** Proposal Securities must be submitted either in physical form or paid online.

Proposal Securities, Integrity Pact, Power of Attorney must be submitted in physical form or documentary evidence of online payment of the specified amount to CTUIL at the address given at para 14.0 below on or before **15:00 hours on 24.02.2025**. CTUIL shall not be responsible for any postal delay in respect of submission of hard copy part of the bids.

1. CTUIL reserves the right to cancel/withdraw this Request for Proposals without assigning any reason and shall bear no liability whatsoever consequent upon such a decision.
2. All correspondence with regards to the above shall be to the following address:

(By Post/In Person)

Central Transmission Utility of India Limited

(A wholly owned subsidiary of POWERGRID)

10th floor, IRCON International Tower-1, Plot No. 16

Sector-32, Gurugram – 122003, Haryana

Kind Attention: Mr. Rahul (Manager, C&M-CTUIL)/

Mr. Mool Chand Khichar (Engineer, C&M-CTUIL)

Mobile: +91-9205472328/9799211471

Email:  [rahul.prasad@powergrid.in](mailto:dwaipayan@powergrid.in);  [moolchandkh@powergrid.in](mailto:%20moolchandkh@powergrid.in);

***Note: Bidders may download the word file of the RfP document from CTUIL Portal.***

**----- *End of RfP* ----**