**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 Rajasthan REZ Ph-IV (Part-4: 3.5GW): Part-A”**

**(Spec. No. CTUIL/IE/2024-25/64)**

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**REQUEST FOR PROPOSALS (RfP)**

(**Domestic Competitive Bidding**)

**(SINGLE STAGE TWO ENVELOPE BIDDING)**

DATE **:**  **21.01.2025**

FUNDING : **DOMESTIC**

1. This Request for Proposal (RfP) for the subject package have been published on **21.01.2025** 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 Rajasthan REZ Ph-IV (Part-4: 3.5GW): 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 Rajasthan REZ Ph-IV (Part-4: 3.5GW): 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 | Augmentation with 765/400 kV, 2x1500 MVA Transformer (4th & 5th) at Barmer-I PS   * 765/400 kV 1500 MVA ICTs- 2 Nos. * 765 kV ICT bays-2 Nos. * 400 kV ICT bays- 2 Nos. | **24 Months**  **(30/12/2026)** |
| 2 | Augmentation of 5x500 MVA (5th to 9th), 400/220 kV ICTs at Barmer-I PS   * 400/220 kV 500 MVA ICTs- 5 Nos. * 400 kV ICT bays-5 Nos. * 220 kV ICT bays- 5 Nos. |
| 3 | 220kV line bays (6 Nos.) for RE connectivity at Barmer-I PS   * 220 kV line bays- 6 Nos. |
| 4 | 400kV Sectionalizer bay (1 set), 220kV Sectionalizer bay (1 set) along with 220kV BC (1 Nos.) and 220 kV TBC (1 Nos.) at Barmer-I PS   * 400 kV Sectionalizer bay: 1 set * 220 kV Sectionalizer bay: 1 set * 220 kV BC (1 Nos.) bay and 220 kV TBC (1 Nos.) bay |
| 5 | STATCOM (2x+300MVAr) along with MSC (4x125 MVAr) & MSR (2x125 MVAr) along with 2 Nos. 400 kV bays at Barmer-I PS   * STATCOM (2x+300MVAr) MSC (4x125 MVAr) & MSR (2x125 MVAr) * 400kV bays at Barmer-I PS – 2 Nos. |
| 6 | Fatehgarh-IV PS (Sec-2) – Barmer-I PS 400kV D/c line (Quad)  Line Length (approx..)- 40 kms   * 400 kV line bays at Fatehgarh-IV PS (Sec-2) – 2 Nos. * 400 kV line bays at Barmer-I PS – 2 Nos. |
| 7 | Establishment of 765/400kV, 2x1500 MVA S/s at suitable location near Ghiror (Distt. Mainpuri) along with 2x240 MVAr (765kV) & 2x125 MVAr (420kV) bus reactor at Ghiror S/s (UP)   * 765/400 kV 1500 MVA ICTs- 2 Nos. (7x500 MVA including one spare unit) * 765 kV ICT bays-2 Nos. * 400 kV ICT bays- 2 Nos. * 765kV line bays : 8 Nos. (for LILO of Aligarh(PG)-Orai(PG) D/c, LILO of Agra (PG) – Fatehpur(PG) S/c & 765kV interconnection with Dausa S/s) * 400kV line bays : 2 Nos. (for 400kV interconnection with Firozabad (UPPTCL) S/s) * 240 MVAr Bus Reactor-2 Nos. (7x80 MVAr, including one spare unit) * 765 kV Bus reactor bays-2 Nos. * 125 MVAr Bus Reactor-2 Nos. * 400 kV Bus reactor bays- 2 Nos. * 110MVAr spare reactor unit (single phase)-1 No.   **Future provisions at Ghiror S/s:**  **Space for**   * 765/400kV ICTs along with bays- 4 * 765 kV line bays along with switchable line reactors – 6 * 765kV Bus Reactor along with bay: 1 Nos. * 400 kV line bays along with switchable line reactor –6 * 400 kV Bus Reactor along with bays: 1 No. * 400kV Sectionalizer bay: 1 set * 400/220kV ICT along with bays -4 Nos. * 220 kV line bays for drawl -6 Nos. * 220kV Sectionalizer bay: 1 set * 220 kV BC (2 nos.) bays and 220 kV TBC (2 Nos.) bays * STATCOM (2x+300MVAr, 4x125MVAr MSC, 2x125MVAr MSR) along with 400kV bays (2 Nos.) |
| 8 | Dausa - Ghiror 765 kV D/c line along with 330MVAr switchable line reactor at Ghiror end and 240 MVAr switchable line reactor at Dausa end for each circuit of Dausa - Ghiror 765 kV D/c line  Line Length (approx..)- 283 kms   * 765 kV, 240 MVAr switchable line reactors at Dausa S/s end– 2 Nos. * 765 kV, 330 MVAr switchable line reactors at Ghiror S/s end– 2 Nos. * Switching equipment for 765kV, 240 MVAr switchable line reactors at Dausa S/s end – 2 Nos. * Switching equipment for 765kV, 330 MVAr switchable line reactors at Ghiror S/s end – 2 Nos. |
| 9 | LILO of both ckt of 765 kV Aligarh (PG) -Orai (PG) D/c line at Ghiror S/s along with 240 MVAr switchable line reactor for each circuit at Ghiror S/s end of 765 kV Ghiror -Orai (PG) D/c line  Line Length (approx..)- 35 kms   * 765 kV, 240 MVAr switchable line reactors at Ghiror S/s end– 2 Nos. * Switching equipment for 765kV, 240 MVAr switchable line reactors at Ghiror S/s end – 2 Nos. |
| 10 | LILO of one ckt of 765kV Agra (PG) – Fatehpur (PG) 2xS/c line at Ghiror along with 240 MVAr switchable line reactor at Ghiror end of 765 kV Ghiror -Fatehpur (PG) line  Line Length (approx..)- 26 kms   * 765 kV, 240 MVAr switchable line reactors at Ghiror S/s end– 1 No. * Switching equipment for 765kV, 240 MVAr switchable line reactor at Ghiror S/s end – 1 no. |
| 11 | 400kV Ghiror-Firozabad (UPPTCL) D/c line (Quad)  Line Length (approx..)- 43 kms |
| 12 | 2 Nos. 765kV line bays at Dausa S/s   * 765 kV line bays at Dausa S/s – 2 Nos. |
| 13 | 2 Nos. 400kV line bays at Firozabad (UPPTCL) S/s   * 400 kV line bays at Firozabad (UPPTCL) S/s – 2 Nos. |

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 Rajasthan REZ Ph-IV (Part-4: 3.5GW): 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 **28.01.2025 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 **11.02.2025.** 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 11.02.2025**. Late submission of proposals shall not be allowed.

First Envelope i.e., Techno-Commercial Part shall be opened on **11.02.2025** 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 11.02.2025**. 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* ----**