

SECTION – I

INVITATION FOR BIDS (IFB)

INVITATION FOR BIDS (IFB)

For

Pre-Bid Tie up of HVDC Terminal Package for establishment of ± 500 kV, 2500MW HVDC terminals at Khavda Pooling Station-3 (KPS3) (HVDC) & South Olpad (HVDC) associated with “Transmission System for Evacuation of power from potential renewable energy zone in Khavda area of Gujarat under Phase-V (8 GW): Part C” through Tariff Based Competitive Bidding (TBCB) route prior to RfP bid submission by POWERGRID to BPC.

(SINGLE STAGE TWO ENVELOPE BIDDING)

(Domestic Competitive Bidding under e-procurement)

DATE OF ISSUANCE OF IFB : **08/11/2024**

SPECIFICATION No. : CC/T/W-HVDC/DOM/A02/24/15008

FUNDING : DOMESTIC

- 1.0 This invitation for bids follows the e-procurement notice for the subject package published on **08/11/2024** on POWERGRID’s website and e-procurement portal given at para **5.0** 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.
- 2.0 Power Grid Corporation of India Ltd. (POWERGRID) (A Government of India Enterprise) incorporated under the Companies Act, 1956, having its Registered Office at B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi intends to participate in the selection of Transmission Service Provider (TSP) for **“Transmission System for Evacuation of power from potential renewable energy zone in Khavda area of Gujarat under Phase-V (8 GW): Part C”**.

M/s. PFC Consulting Limited (PFCCL) is the Bid Process Coordinator (hereinafter referred to as the “BPC”), for selection of Transmission Service Provider (TSP) for establishing **Transmission System for Evacuation of power from potential renewable energy zone in Khavda area of Gujarat under Phase-V (8 GW): Part C** (hereinafter referred to as the “Project”) under Tariff Based Competitive Bidding (TBCB) framework of Ministry of Power.

Pursuant to completion of tariff bidding by BPC, in case POWERGRID is declared as the successful Bidder, then POWERGRID shall acquire one hundred percent (100%) equity shares of **“Project Specific Transmission Company (to be incorporated by the BPC)”** (hereinafter referred to as the “SPV”/“Project SPV Company”) along with all its related assets and liabilities, which will be responsible as TSP to establish transmission system for **“Transmission System for Evacuation of power from potential renewable energy zone in Khavda area of Gujarat under Phase-V (8 GW): Part C”** on Build, Own, Operate and Transfer (BOOT) basis.

- 3.0 POWERGRID, therefore, invites sealed bids from eligible bidders for the following package for this project on Domestic Competitive Bidding basis under secured e-procurement procedure:

Pre-Bid Tie up of HVDC Terminal Package for establishment of ± 500 kV, 2500MW HVDC terminals at Khavda Pooling Station-3 (KPS3) (HVDC) & South Olpad (HVDC) associated with “Transmission System for Evacuation of power from potential renewable energy zone in Khavda area of Gujarat under Phase-V (8 GW): Part C” through Tariff Based Competitive Bidding (TBCB) route prior to RFP bid submission by POWERGRID to BPC.

This Invitation for Bids extended through media, website or written communication or by any other means, and issuance of Bidding Documents as per para 5.0 below shall not be construed to mean that the prospective bidders to whom the Invitation for Bids has been extended and/or Bidding Documents have been issued is deemed to be an eligible bidder. The eligibility of the bidders shall be determined as per the provisions of Bidding Documents. Some of the salient points in that respect are:

- a) This Invitation for Bids, issued by the Employer is open to all firms including company(ies), Government owned Enterprises registered and incorporated in India as per Companies Act, 1956/2013, barring Government Department as well as foreign bidders/MNCs not registered and incorporated in India and those bidders with whom business is banned by the Employer.
- b) Compliance to the provisions of Public Procurement (Preference to Make in India) Order, 2017 (PPP-MII) and its subsequent modifications/amendments, if any.

The firm has to be a ‘Class-I local supplier’ as defined under Public Procurement (Preference to Make in India) Order, 2017 issued by Department for promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce and Industry, Government of India vide order dated 15/06/2017, its revision dated 16/09/2020 (PPP-MII Order) read in conjunction with ‘Public Procurement (Preference to Make in India) to provide for Purchase Preference (linked with local content) in respect of Power Sector’ order dated 16/11/2021 issued by Ministry of Power (MoP Order) and subsequent modifications/amendments/communications if any.

‘Local Content’ means the amount of value added in India which shall be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.

‘Class –I local supplier’ means a supplier or service provider, whose goods, services or works offered for procurement, meets the minimum local content (MLC) as prescribed for ‘Class-I local supplier’.

Presently, in respect of subject package, the local content requirement to categorize a supplier as ‘Class-I local supplier’ for HVDC Station (which is also referred herein as ‘HVDC System’) is minimum 25% and apart from HVDC System, the local content requirement is minimum 60%.

Firms who are not ‘Class-I local supplier’ for the scope of work shall not be eligible to bid.

Bidder may also take necessary efforts to increase the Minimum Local Content in HVDC system.

In reference to the provisions, HVDC system covers the following components:

- **IGBT Modules/ Valves**
[IGBT, Capacitor, Valve Mechanical component, Electronics, Heat Sink, Valve cooling & other items]
- **Control & Protection for DC system** [Electronics, License/IT product, Cabinet/Equipment, Assembly Accessories and Other items]
- **DC Yard Equipment**
[Including Valve/ Phase Reactor, Smoothing/ Blocking Reactor, Disconnecter, Earth Switch, Zero Flux Current Transformer (ZFCT), DC CT, DC Arrestor, DC Voltage Divider, DC Bushing, DC Capacitor, DC Line Fault Locator, HF Filter, DC High Speed Switches, Pre-insertion resistors, Bypass Circuit Breaker, DC Hardware and accessories]
- **Converter Transformer**
[Including CRGO sheet, Copper, Bushing, Insulating Material, OLTC, Oil, and other items]
- **AC Filter Component**
[including Reactor, Resistor, Capacitors, Measuring Equipment]
- **High TRV Circuit Breakers including AC Filter Bank/Sub Bank Bay Circuit Breakers Converter Breakers**
- **AC Voltage Dividers/CVTs for Valve Timing Control**
- **Repeater Station Equipment**
- **Auxiliary Items**
[Fire Detection & Protection system for Valve Hall including UV/IR Detectors, Key Interlocking system for Valve Hall /AC/DC Filters/Smoothing Reactor/Blocking Filters etc]

c) Compliance to order no. F.No.6/18/2019-PPD (Order Public Procurement no.1) dated 23/07/2020 and F.No.6/18/2019-PPD (Order Public Procurement no.2) dated 23/07/2020, issued by Public Procurement Division, Department of Expenditure, Ministry of Finance, Government of India (DoE Order) regarding restriction on Bidders sharing Land Border with India.

d) Non-participation as a bidding company directly; or indirectly through their Subsidiaries, Partnership, Ownership, Individual firm; or Consortium for the Transmission Project under TBCB route referred to at S.No. 2 above, if pre-selected for associating with POWERGRID for the purpose of tariff bidding by POWERGRID in the RfP process of the BPC.

The qualified, lowest evaluated Bidder having requisite capacity and capability to perform the contract for the aforesaid Package(s) as per the provisions of the Bidding Documents shall be pre-selected, for the scope of work contained in the Bidding Documents, for associating with

POWERGRID for the purpose of tariff bidding by POWERGRID in the RfP process of the BPC for the subject Project under TBCB route and, in case POWERGRID becomes successful Bidder, the successful Bidder(s) for aforesaid mentioned Package(s) will be awarded the Contract for execution of scope of work contained in the Bidding Documents.

The pre-selected bidder shall have to confirm non-participation as a bidding company directly; or indirectly through their Subsidiaries, Partnership, Ownership, Individual firm; or Consortium in the RFP stage of the BPC for subject Transmission Project under TBCB route.

An MOU shall be signed with the pre-selected Bidder prior to tariff bid submission by POWERGRID to BPC against its RfP process. **This MOU shall, inter-alia, bind the pre-selected Bidder for maintaining strict confidentiality of the prices, terms and conditions.** As per the terms of MOU, both the Parties shall be making joint efforts to win the project together.

The pre-selected Bidder shall take all the due measures to protect the confidentiality and disclosure of the information, documents and matter related to this MOU including but not limited to finalized bid price, details of bid including proposed technical solution, details of measures for project cost optimization etc. to any person including employee(s) of the pre-selected Bidder or third party(ies) which might harm competing interest of POWERGRID in the RfP bidding process of the BPC. For the said purpose, pre-selected Bidder shall take all the necessary measures including implementing and enforcing appropriate ‘Chinese Wall’ procedures within their organization.

In the context of the subject package, the term ‘Chinese Wall’ refers to all due measures/ procedures intended to protect the confidentiality and disclosure of the above referred information/ documents by the bidder’s team (or its members) which is privy to such information/ documents from any other team/ department/ section of the Bidder, which might harm competing interest of POWERGRID in the RfP bidding process of the BPC.

In case POWERGRID becomes successful Bidder, the successful Bidder(s) for aforesaid Package(s) will be awarded the Contract for execution of scope of work contained in the Bidding Documents.

- 3.1 The scope of works covered under the package inter-alia includes execution of the following
- Design, Engineering, System Studies, Manufacturing, Supply of all items including transportation to site & insurance, unloading, storing, handling, and moving into final position, installation, testing, and commissioning of all HVDC Equipment, Mechanical and Electrical Auxiliaries, Fire Fighting System including Pedestals, DG sets at KPS-3 (HVDC) and South Olpad (HVDC) Station.
 - Complete Civil Design and Drawings of all HVDC Equipment (associated AC/ DC Yard Equipment) and Buildings including Architectural, Structural, Foundation Drawings of both KPS3 (HVDC) and South Olpad (HVDC) Station
 - Valve Hall and DC hall building works (structure, walls, screening, ceiling, piping, doors interface with Converter Transformers, DC Yard, Cooling and Ventilation building) at KPS3 HVDC and South Olpad HVDC Station
 - Repeater stations Kiosks and communication equipment for OPGW communication for HVDC line

The above scope of work is indicative and the detailed scope of work is given in the Technical Specification (Volume-II) of the Bidding Documents.

3.2 The completion period for the subject Package shall be as per following as specified in ITB Sub-Clause 24.1(c).

Description	Duration in Months from the date of Notification of Award
<p>Taking Over by the Employer upon successful Completion of Pre-Bid Tie up of HVDC Terminal Package for establishment of ±500 kV, 2500MW HVDC terminals at Khavda Pooling Station-3 (KPS3) (HVDC) & South Olpad (HVDC) associated with “Transmission System for Evacuation of power from potential renewable energy zone in Khavda area of Gujarat under Phase-V (8 GW): Part C” through Tariff Based Competitive Bidding (TBCB) route prior to RfP bid submission by POWERGRID to BPC.</p> <p>i. Time for Completion for ±500 KV 2500 MW VSC HVDC Bipole and associated facilities including 10 days Trial Operation</p> <p>ii. Delivery Schedule for completion of supply of Spares covered under the subject package</p>	<p>47 (Forty Seven) Months</p> <p>47 (Forty Seven) Months</p>

3.3 Bidding will be conducted through the **Domestic Competitive Bidding** procedures as per the provisions of ITB/BDS of the Bidding Documents and the contract shall be executed as per the provisions of the Contract. Bidders may note that the Employer has uploaded its ‘Works and Procurement Policy and Procedures’ (WPPP) document along with its Modification/Amendment on “Ineligibility of Firms for Participation in the Bidding Process” and on “Black-Listing of Firms / Banning of Business” **and its updates** on POWERGRID’s website referred to at para 9.0 below. It shall be noted that no other party, including the Bidder/Contractor, shall derive any right from this ‘Works and Procurement Policy and Procedures’ (WPPP) document or have any claim on the Employer on the basis of the same. The respective rights of the Employer and the Bidder/Contractor shall be governed by the Bidding Documents/Contract signed between the Employer and the Contractor for the package(s). The provisions of the Bidding Documents shall always prevail over that of ‘Works and Procurement Policy and Procedures’ (WPPP) document in case of contradiction.

4.0 The detailed Qualifying Requirements (QR) for the subject package(s) are attached at **Annexure-A** to this IFB. Bidders are advised to check their prima-facie eligibility/responsiveness as per the specified QR before participating. However, Bidders may note that the Employer shall carry out

techno-commercial evaluation of the submitted bids inter-alia including ascertaining responsiveness to stipulated QR in line with the provisions of the Bidding Documents post First Envelope Bid opening.

5.0 The complete Bidding Documents inter-alia including tender drawings are available for downloading on e-procurement portal <https://etender.powergrid.in> subject to submission of:

- i) a request letter for issuance of Bidding Documents as per format attached at **Annexure-B** to this IFB,
- ii) a signed copy of Non-Disclosure Agreement (hereinafter called 'NDA') as per format attached at **Annexure-C** to this IFB, and
- iii) the Power of Attorney (POA) of the person signing the NDA.

The aforesaid request along with the documents mentioned above needs to be submitted **through e-procurement portal <https://etender.powergrid.in> (under 'Bid Document Request' button on 'Display RFX' page)** up to 2 (two) days prior to First Envelope bid submission deadline (soft copy part) i.e. on or before **25/11/2024**.

Upon receipt of such request along with the aforesaid requisite documents, the access of complete Bidding Documents will be provided to the requesting party except for the firms rendered ineligible on grounds like a) firm is engaged in different business segment other than the scope of procurement; b) firm is blacklisted/banned in POWERGRID; or c) has competing interests in the concerned Project of Bid Process Coordinator (BPC). The Employer shall be sole judge in regard to considering the request for issuance of Bidding Documents or otherwise. No firm shall have any claim on the Employer on the basis of the same.

Note: The bidding documents are meant for the exclusive purpose of bidding against this specification and shall not be transferred to any parts or reproduced or used otherwise for any purpose other than for which they are specifically uploaded.

5.1 The applicant(s) may note that the request for issuance of Bidding Documents shall be submitted in line with the formats as provided along with this IFB. In case of erroneous/non-submission of documents as identified under Para 5.0 above by the applicant, the Employer may seek rectification of such documents and may also seek certain additional documents as deemed appropriate. To this effect, the Employer may give the applicant not more than 2 days notice to rectify/furnish such documents, failing which the application is liable to be rejected. The request for clarification and the response shall be **through e-procurement portal <https://etender.powergrid.in> (under 'Bid Document Request' button on 'Display RFX' page). Detailed SOP/User Manual are available under 'Manuals & Videos' tab on e-procurement portal.**

5.2 In case of rejection of request of an applicant for issuance of Bidding Documents, the rejected applicant can appeal to ED (CS) at the address given at Para 9.0 below within one (01) day of receiving the communication regarding rejection of her request from POWERGRID.

6.0 Interested bidders have to necessarily register themselves on the portal <https://etender.powergrid.in> to participate in the bidding under this invitation for bids. It shall be the sole responsibility of the interested bidders to get themselves registered at the aforesaid portal.

The said registration shall be free of cost. On completion of registration process, the registering bidders will be provided with User ID and Log-In password.

Kindly note that to submit the bids electronically, bidders must have a valid Class 3B Digital Certificate (signing and encryption / decryption certificate).

Interested bidders may obtain further information regarding this IFB from the office of **Sr. DGM/ Chief Manager (CS-G3)**, POWERGRID at the address given at para 9.0 below from 15:00 hours to 17:00 hours on all working days.

For proper uploading of the bids on the portal namely <https://etender.powergrid.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 from POWERGRID, as and when required, for which contact details are mentioned above below. 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 Section II – ITB of the Bidding Documents.

- 6.1 Bidders are requested to read the 'Bidders Manual and Pre-Requisite Document' available on 'POWERGRID Reverse Auction and Integrated Tendering (PRANIT)' portal through website <https://etender.powergrid.in> before proceeding for submission of bids. It is important to note that bidders can submit their bids online only through <https://etender.powergrid.in>.
- 6.2 Bidders shall ensure that their bids, complete in all respects, are submitted online through POWERGRID's e-tendering portal only. **No DEVIATION in this regard is acceptable.**
- 6.3 A separate pre-bid meeting will be held with each of the applicants who have been issued the bidding documents as on **15.11.2024** for the subject package in line with clause 5.0 of IFB, to clarify the bidders various issues raised in accordance with clause 6.4 of ITB.

The scheduled time for the pre-bid meeting shall be communicated to each of the said applicants separately.

Further, in case of the prospective bidders who will be issued Bidding Documents after **15.11.2024**, POWERGRID may consider conducting an offline pre-bid meeting based on the request of the prospective bidders.

- 7.0 A Single Stage Two Envelope Bidding Procedure will be adopted and will proceed on e-procurement portal <https://etender.powergrid.in> as detailed in the Bidding Documents.
- 7.1 Soft Copy Part of the Bids must be uploaded under Single Stage Two Envelope Bidding Procedure on the portal at or before **11:00 hours** on **25/11/2024** as per the provisions of the Bidding Documents. The e-Procurement system would not allow any late submission of bids through the portal after due date & time as specified.

The documents required to be submitted as part of Hard Copy Part of the Bid shall be scanned and uploaded as part of First Envelope in Soft Copy Part of the Bid as per provisions of ITB Clause 9 (II).

Document Fee must be paid online only through POWERGRID ONLINE PAYMENT UTILITY- <https://epay.powergrid.in> as per ITB(BDS) Clause 9(I) of the Bidding Documents (*for details also refer Clause ITB 5.4*).

The First Envelope Bids (Techno Commercial part) shall be opened privately and thereafter pursuant to evaluation of First Envelope Bids, the Second Envelope Bids (Price part) of Techno-Commercially responsive and qualified bidders having requisite Capacity & Capability to execute the contract in the event of award, will also be opened privately, as per the provisions of the Bidding Documents.

- 7.2 Under the Integrity Pact Program (IPP), a panel of Independent External Monitors (IEMs) comprising **Sh. Nand Lal Singh, Sh. Subodh Kumar Jaiswal and Sh. R. Govindrajan** has been appointed by CVC. Correspondence, if any, to the panel of IEMs be addressed to the following:

Independent External Monitor
C/o CGM (CS-P&S), Contract Service Department
Power Grid Corporation of India Limited,
'Saudamini', 3rd Floor,
Plot No. – 2, Sector – 29,
Gurugram – 122001, Haryana

E-mail IDs of IEMs:

nlsingh3@gmail.com

subodhjaiswal22@gmail.com

rgrvig@gmail.com

- 8.0 POWERGRID reserves the right to cancel/withdraw this invitation for bids without assigning any reason and shall bear no liability whatsoever consequent upon such a decision.

- 9.0 All correspondence with regard to the above shall be to the following address.

(By Post/In Person)
Sr. DGM (CS-G3)/ Chief Manager (CS-G3)
Power Grid Corporation of India Limited
'Saudamini', 3rd Floor, Plot No.-2, Sector-29
Gurgaon (Haryana) - 122001.

(Thru Board) +91-124-282- 2315/3335

Mobile: +91- 9971399078/7484883228

Fax Nos.: - +91-124-2571 831

Email: kaushalendra@powergrid.in;

soumyaranjanmishra@powergrid.in

For more information on POWERGRID, visit our site at: [http:// www.powergrid.in](http://www.powergrid.in)

- 10.0 Bidders are requested to open the following link for pre-requisite system settings of PRANIT portal and manual/video tutorial regarding information for bid submission:

https://etender.powergrid.in/new_logon2/User_Help_Menu.html

In case any technical issue remains unresolved, Bidder may contact the ERP SRM Helpdesk support as per the details below:

Phone No – 0124-2823456 (with call hunting feature)

Timings – 9:00 AM To 5:30 PM

Bidders are advised to contact the Helpdesk minimum 2 working days before Bid Submission Deadline for assistance.

Note- At the time of submission of the bid as per the provisions of the Bidding Documents, Bidders are required to make sure that:

1. The First Envelope excel with file named “**First Envelope and Bid Forms**” must be uploaded alongwith the bid.
2. The Second Envelope excel with file named “**Price_schedule**” must be uploaded alongwith the bid.

As per the provisions of the portal, it is mandatory to upload aforesaid excel file with title as indicated above (Bidders may refer user manuals at the portal <https://etender.powergrid.in> regarding submission of bid).

---- End of Section-I (IFB) ----