



टीएचडीसीइंडिया लिमिटेड

THDC INDIA LIMITED

(Schedule- A Mini Ratna PSU)

CIN: U45203UR1988GOI009822



NOTICE INVITING TENDER

IFB No.:2023_THDC_740878

Date:16.02.2023

BIDDING DOCUMENT No.: THDC/NCR/CC-448

Subject: Design, Engineering, Supply, Installation, Testing, Commissioning and Operation & Maintenance of Demo Carbon Capture Plant (1TPD) for one (01) year at Khurja STPP (2X660 MW)''-Tender No-THDC/NCR/CC-448

1.0 THDC INDIA LTD., invites bids from the eligible bidders under Domestic Competitive Bidding through e-tendering for the subject work under Single stage "Two Part Bid System" followed by e-RA in accordance with the following details and enclosed Bidding Documents:

1.	Brief Scope of Work	i) The scope of work includes Design, Engineering, Fabrication, Supply, Installation Testing & Commissioning of 1 (One) tonne per day demo CO2 Capture plant based on Hot Potassium Carbonate (HPC) solvent along with all auxiliary plants & services including short-term CO2 storage system of 1 tonne capacity at 55 bar pressure in multiple tanks (4 × 446 litre water volume capacity each) at Khurja STPP (2x660MW). ii) Provide O&M of the demonstration plant for one year from date of the successful commissioning of the plant as per the schedule. Detailed Scope of Work as mentioned in the tender document.
2.	Estimated cost	Rs. 116.11 Crore (Including GST)
3.	Cost of Bidding Document / Tender Fee (Non-refundable)	Nil
	Earnest Money Deposit (EMD)	Rs. 1.16 Crore
4	Availability of Bidding document on website (CPP Portal)	From: 16.02.2023 (15:00 Hrs.) To: 16.03.2023 (15:00 Hrs.)
5	Last date of receipt of queries for clarification from prospective bidders	28.02.2023 upto 10:00 Hrs.

6.	Pre-Bid Meeting Date and Time	06.03.2023 at 11:00 Hrs through MS Team platform and link will be hosted separately on CPP Portal.
7.	Date & Time of Submission of Bid	Up to: 16.03.2023 (15:00 Hrs.)
8.	Date & Time of opening of Techno-commercial Bid	17.03.2023 at 15:00 Hrs.
9.	Date & Time of opening of Price Bid	To be notified separately after opening of Techno-Commercial proposal.
10.	Validity of Bid	180 days from deadline for submission of bids.
11.	Currency of Bid	Indian Rupees (INR)

2.0 The bidder must meet the pre-qualification requirement given below:

S. No.	Criteria
1.	<p>Technical Criteria:</p> <p>A)</p> <p>I) Bidder should have designed, engineered, supplied and commissioned at least one (01) number of demonstration plant of 0.5 Tonne per day CO2 capture plants with hot potassium carbonate solvent that capture CO2 from the exhaust gas of power plants as on date of issue of NIT of this tender (On CPP Portal), as evidenced by an audited performance report. The reference Plant should be in successful operation in last one (01) year prior to publication of NIT.</p> <p>II) Bidder should have Intellectual Property Rights (IPR) or written permission to use and provide technology from the IPR holder or their authorized vendors.</p> <p>III) Bidder should have a valid technology license agreement/agreement for the right to use technology with a technology provider which meets the criteria.</p> <p>B. Bidder should have successfully completed similar works during last seven (7) years as on date of issue of NIT of this tender (On CPP Portal), either of the following: -</p> <p>(a) Three similar works each costing not less than the amount of Rs. 46.44 Crore; or</p> <p>(b) Two similar works each costing not less than the amount of Rs. 58.06 Crore; or</p> <p>(c) One similar work costing not less than the amount of Rs. 92.89 Crore;</p> <p>Similar works means: Supply, Installation, testing and commissioning of carbon capture plant in any Project.</p>

2.

Financial Strength:

- i) The bidder should have minimum average annual turnover during last three (03) financial years ending 31st March 2022 (INR) of **Rs. 34.83 Crore**.

Each Partner of Joint Venture (JV) should meet atleast 25 % of the Annual Turnover criteria. Further, the lead partner should meet atleast 50% of the Annual Turnover criteria.

In case a Bidder does not satisfy the annual turnover criteria, stipulated above on its own, its Holding Company would be required to meet the stipulated turnover requirements as above, provided that the Net Worth of such Holding Company as on the last day of the preceding financial year is at least equal to or more than the paid-up share capital of the Holding Company. In such an event, the Bidder would be required to furnish along with its Techno-Commercial bid, a Letter of Undertaking from the Holding Company, supported by the Holding Company's Board Resolution, as per the format enclosed in the bid documents, pledging unconditional and irrevocable financial support for the execution of the Contract by the Bidder in case of award. The bidder should meet at least 25% of the Annual Turnover criteria.

- ii) Net Worth should not be less than 100% (hundred percent) of the Bidder's paid-up share capital as on the last day of the preceding financial year.

Each Partner of Joint Venture (JV) should meet the requirement.

In case the Bidder does not satisfy the Net worth criteria on its own, it can meet the requirement of Net worth based on the strength of its Subsidiary(ies) and/or Holding Company and/or Subsidiary(ies) of its Holding Companies wherever applicable. In such a case, however, the net worth of the Bidder and its Subsidiary(ies) and or Holding Company and/or Subsidiary(ies) of the Holding Company, in combined manner should not be less than 100% of their total paid up share capital. However, individually, their Net worth should not be less than 75% of their respective paid up share capitals. Net worth in combined manner shall be calculated as follows: Net worth (combined) = $(X1+X2+X3) / (Y1+Y2+Y3) \times 100$ Where X1, X2, X3 are individual Net worth which should not be less than 75% of the respective paid up share capitals and Y1, Y2, Y3 are individual paid up share capitals.

Note:

1. Bidder can either be a sole company or a joint venture (JV) or a Consortium, subject to the condition that in case of a Joint Venture or a Consortium, maximum number of constituents/partners including the Lead Partner shall be restricted to three (03). In case of Joint Venture/Consortium with foreign firms, the lead partner of JV/Consortium shall be an Indian Firm/ Company and the bid currency shall be in Indian Rupees (INR) only.
2. Participation of a particular bidder in more than one JV/ consortium with different partners is NOT allowed and all such bids involving the bidder shall be treated as non-responsive.
3. In case the bidder is a subsidiary company, the bidder can utilize technical and financial credentials of its Parent Company, provided the Parent Company commits to sign a separate Agreement with the Owner (in the prescribed format) evincing full support for the Technical and Financial Requirement of the Subsidiary Company and commit to take up the

work itself in case of non-performance by the subsidiary Company in the event of award of contract to the Subsidiary Company. An undertaking by the Parent Company to this effect shall be submitted along with the bid/proposal.

However, Indian subsidiaries of foreign bidders shall have to meet the qualifying criteria in terms of capability, competency, financial position, past performance etc. on its own.

4. Each member of the JV/Consortium shall have atleast 25% shareholding in the Joint venture/Consortium.
5. Bidder is required to submit a completion certificate with a satisfactory performance from owner of the plant along with its techno- commercial bid in support of its claim of meeting requirement of the qualification requirement.
6. In support of completed works, the bidder shall submit the copy of certificate from the client.
7. The work completed in the preceding seven years as on date of issue of NIT even if it has been started earlier, will also be considered as meeting the PQ requirements.
8. The work executed by the bidder, as a member of JV/Consortium/ Associate can also be considered provided the allocation of scope of work between the partners of the JV/Consortium/Associate is clearly defined in the executed JV Agreement and bidder's scope of work/service and breakup of work/services executed by them as individual contribution in the JV/Consortium/Associate, duly authenticated by the Authority, meet the relevant provision of PQ requirement.
9. The work executed by a bidder as a sub-contractor may also be considered provided the certificate issued by main contractor is duly certified by the Authority specifying the scope of work executed by the sub-contractor in support of pre-qualification.
10. Other Income shall not be considered for arriving at annual turnover.
11. Net worth means the sum total of the paid-up share capital and free reserves. Free reserve means all reserves credited out of the profits and share premium account but does not include reserves credited out of the revaluation of the assets, write back of depreciation provision and amalgamation. Further any debit balance of Profit and Loss account and miscellaneous expenses to the extent not adjusted or written off, if any, shall be reduced from reserves and surplus.
12. The bidder should provide the audited balance sheet for the last three financial years as on date of issue of NIT. In cases where audited balance sheet for the last financial year is not available, financial results certified by a Practicing Chartered Accountant must be provided for the proof of financial strength.

3.0 In addition to above, party must submit following papers in support of their bid:

- (i) Scanned Copy of PAN & GST Number
- (ii) EPF & ESI Registration and EPF& ESI Code number

- (iii) Documentary evidences in support of PQ Requirements: Bidders have to furnish the experience certificate for satisfactory completion of work of similar nature mentioning Agreement no., value of work, name of work, date of start, date of completion, signature, name and designation with stamp of issuing authority etc.
- (iv) Turn over certificate/balance sheet of last three years as mentioned in PQ criteria.
- (v) Tender form, Bid security (EMD) etc. as per formats annexed in the tender documents.

4.0 Additional Notes:

1. No Queries from Bidders, whatsoever, shall be entertained by the Employer beyond the last date of receipt of Queries/ Pre-Bid Conference (if applicable) as specified above.
2. Bids are invited through e-tendering by uploading and submitting the same on CPP (Central Public Procurement) e-procurement Portal website - <http://eprocure.gov.in/eprocure/app>
3. The complete Bidding Document is available on CPP e-procurement Portal website - <http://eprocure.gov.in/eprocure/app> the bidder may download the Bidding Documents accordingly after bidder registration.
4. All future amendments/ corrigendum/ addenda/ clarifications, if any, shall be uploaded on the website <http://eprocure.gov.in/eprocure/app> only. Bidders shall keep themselves updated with all such amendments/ corrigendum/ addenda/ clarifications.
5. The Bids are invited under single stage Two-Part Bid System followed by e-RA. The first part (Part-I) called "PQ and Techno-Commercial Bid" shall contain Bid Security (EMD), Pre-qualification information & documentary evidence in support thereof and Techno-Commercial Information. The Part-I (PQ and Techno-commercial Bid) and Part-II (Price Bid) are to be uploaded & submitted on CPP e-procurement Portal website-<http://eprocure.gov.in/eprocure/app> only in the prescribed format. **No hard copy of the Price Bid shall be accepted.** e-RA details are given in bidding documents.
6. 'Bid Security (EMD), 'Power of Attorney', No Deviation certificate' and 'Integrity Pact' shall be submitted in a sealed envelope separately offline by the stipulated bid submission closing date and time.

Any bid not accompanied by an acceptable 'Bid Security (EMD), 'Power of Attorney' 'No Deviation certificate' and 'Integrity Pact' in separate sealed envelopes shall be rejected by Employer as being non-responsive and shall not be opened.

7. Conditional Bid may run the risk of rejection.
8. The bidder shall be a private, public or government owned legal entity. Any combination of Firms/Applicants in form of Joint Venture (JV) / Consortium shall be permitted.
9. Notwithstanding anything stated above, THDCIL reserves the right to assess the capabilities and capacity of the bidder/ his collaborators/ associates/ subsidiaries/ group companies to perform the contract, should the circumstances warrant such assessment in the overall interest of THDCIL.

10. THDCIL reserves the right to reject any or all the bids or cancel/ withdraw the invitation for bid, enhance or dilute the Pre-qualification criteria, in the overall interest of THDCIL, without assigning any reason whatsoever and in such case no bidder/ intending bidder shall have any claim arising out of such action.
11. A complete set of Bidding Documents may be downloaded by any interested Bidder from the website <http://eprocure.gov.in/eprocure/app>. The tender is invited under e-tendering process. The bidders can enroll themselves on the website <http://eprocure.gov.in/eprocure/app> using the option "online bidder enrolment". The said website also has the Bidder Manual kit and help document with detailed guidelines on enrollment and participation in the bidding process.
12. Only 'Class-I local suppliers' and 'Class-II local suppliers' are eligible to participate in this tender, as defined in the bidding documents/ Public Procurement (Preference to Make in India), Order 2017 and its subsequent amendments/ revisions issued by DPIIT and Promotion (DIPP) and MOP order dated 28.07.2020. Class-I Local supplier/bidder shall get purchase preference as per conditions of ITB of Bid documents. The bidders may apprise themselves of the relevant provisions of bidding documents in this regard before submission of their bids.
13. Any 'Bidder from a country which shares a land border with India', as specified in the Bidding Documents, will be eligible to bid in this tender only if bidder is registered with the Competent Authority as mentioned in the Bidding Documents.

14. **Address for Communication:**

Chief General Manager (Contracts)

THDC INDIA LIMITED

Plot No. 20, Sector -14, Kaushambi,
Ghaziabad-201010, Uttar Pradesh (India)

Contact No. 0120-2776438

E-mail: corpcontract@thdc.co.in

Alternate Contact Person: AGM (Contracts)

0120-2816800-6900, Ext- 6721, 6773

15 **Registered Office**

THDC India Limited

BHAGIRATHI BHAWAN, (TOP TERRACE),

BHAGIRATHIPURAM, TEHRI GARHWAL-249001

Corporate Identification Number: U45203UR1988GOI009822

Website: www.thdc.co.in