

2. DETAILED INVITATION FOR BIDS

REQUEST FOR PROPOSALS
FOR
SELECTION OF AN AGENCY ASSOCIATING IN COMMISSIONING
&
COMPREHENSIVE OPERATION AND MAINTENANCE CONTRACT OF COAL
BASED SUPERCRITICAL
KHURJA THERMAL POWER PROJECT (2x660MW)
AT
VILLAGE & POST DASHERA KHERLI, TEHSIL KHURJA,
DIST BULANDSHAHR, UTTAR PRADESH-203131, INDIA
(Domestic Competitive Bidding)

RFP Document No.: THDCIL/NCR/CC-485
GeM Bid No: GEM/2024/B/4883755 dated 23.04.2024

1.0 THDC India Limited (THDCIL) invites online bids from eligible bidders on Single Stage Two Envelope bidding basis [i.e. Envelope-I (QR & Techno-Commercial) Bid and Envelope-II (Price) Bid] on GeM Portal for aforesaid work as per the brief Scope of Work mentioned hereinafter.

2.0 BRIEF SCOPE OF WORK

The main scope of work for the O&M Operator is to Support Owner in associating in commissioning activities, operating plant for trial run, unit synchronisation, conducting PG test and takeover of the plant after successful completion of PG test for both units, stabilisation of the units after COD, Operate, Maintain and repair the Facility and all its equipment for power generation in accordance with the recommendations of the Supplier(s), original equipment manufacturer(s) (OEM), Off-taker instructions and prudent utility practices of power projects so that the facility runs in an economical and efficient manner without adversely affecting the life of the Facility. O&M Operator shall optimize the long term profitability of the Facility (keeping in view the norms of regulator) by Maximizing Availability, PLF and minimizing the Station Heat Rate and Auxiliary Energy Consumption, minimizing the incidence, severity and duration of forced outages and keeping the Facility in good order and protecting it from damage, premature deterioration or malfunction. The detailed scope of work is listed below and is only indicative. However, any works related to O&M of the facility in efficient and effective manner for delivering the rated capacity of 1320 MW at outlet feeder of Switchyard shall be under the scope of O&M operator.



3.0 Detailed specification, scope of work and terms & conditions are given in the RFP Documents, which are available at GeM Portal (website- <http://gem.gov.in>) and as per the following schedule:

Tender No.	THDCIL/NCR/CC-485
Name of Work	Request for Proposals for selection of an Agency for associating in Commissioning & Comprehensive Operation and Maintenance Contract of Coal Based Supercritical Khurja Thermal Power Project (2x660MW)
Estimated cost (including GST)	INR 500.11 Crs.
Earnest Money Deposit (EMD)	INR 5.00 Crs. (Including GST)
Documents Download Dates & Timings	From 23.04.2024 to 15.05.2024 up to 11:00 hrs (IST)
Pre-bid Meeting	On 03.05.2024 at 11:00 hrs (IST) at MST Platform for which the link shall be shared separately on GeM Portal
Bid receipt date & time	Up to 11:00 hrs (IST) on 15.05.2024
Date & Time for opening of Envelope-I (QR & Techno-Commercial) bid	15.05.2024 at 11:30 Hrs.(IST)
Date & Time for opening of Envelope-II (Price) Bid	Shall be intimated to all successful bidders after opening of Envelope-I (QR & Techno-Commercial Bid).
Cost of Bidding Documents in INR	NIL
Validity of Bid	180 days from deadline of submission of bid
Currency of Bid	Indian Rupees (INR)
Completion period	3 years & 09 months from 07 th day of issue of LOA/Sanction Order

4.0 Qualifying Requirements for Bidders (QR):

In addition to the requirements stipulated in section ITB (Instruction to Bidder), the following shall also apply:

4.1 TECHNICAL QUALIFICATION REQUIREMENT

4.1.1 Bidder or either one of its promoter (in case the bidder is an equity-based JV company registered under Companies Act 1956 or 2013) should have experience of successfully operating and maintaining the coal fired supercritical thermal power station of 660 MW or above in Indian conditions for a period of one year during the last seven years as on date of issue of NIT published on e-portal and should possess the necessary technical expertise, experience, and skilled manpower to efficiently handle the complexities of super critical thermal power station operations and they should have rendered:-

- (a) Operation and Maintenance services for Steam Generator (Boiler) & its Auxiliaries of the Power Station of supercritical unit capacity of 660 MW or above.
- (b) Operation and Maintenance services for Steam Turbine & its Auxiliaries of

the Power station of supercritical unit capacity of 660 MW or above, including the control room operation.

AND

4.1.2 Bidder or either one of its promoter (in case the bidder is an equity-based JV company registered under Companies Act 1956 or 2013) should have experience of successful Operation and Maintenance of five Balance of Plants (BOP) Systems for a period of one year during the last seven years as on date of issue of NIT published on e-portal as under.

4.1.2.1 COAL HANDLING PLANT:

The bidder should have executed operation and maintenance of Coal Handling (CHP) plant of at least one coal or lignite fired Thermal power station of capacity 1000 MW or above and unit rating of the plant shall be at least 500 MW, which includes Mechanical and Electrical system. The Capacity of coal handling shall be at least 1200 tons/hour.

4.1.2.2 ASH HANDLING PLANT:

The bidder should have executed operation and maintenance of Ash handling plant of at least one coal fired Thermal power station of capacity 1000 MW or above and unit rating of the plant shall be at least 500MW, which includes Mechanical and Electrical system..

4.1.2.3 WATER SYSTEM:

The bidder should have executed operation and maintenance of Circulating Water System, Cooling Towers, CW Chemical Treatment system, Water Pre-treatment system, Water DM Plant including its RO system, Chlorination system, and Liquid Effluent treatment system of at least one Thermal power station of cumulative capacity 1000 MW or above with unit capacity of not less than 500 MW, which includes Mechanical and Electrical system.

4.1.2.4 MISCELLANEOUS PLANT UTILITIES:

The bidder should have executed operation and maintenance of Common Station (Plant) Utilities such as HVAC system, Fire Detection and Protection system, Air Compressors & Compressed air system etc. of at least one Thermal power station of cumulative capacity 1000 MW or above with unit capacity of not less than 500 MW, which includes Mechanical and Electrical system.

4.1.2.5 STATION ELECTRICAL SYSTEM:

The bidder should have executed operation and maintenance of Station Electrical Equipments such as Generator Transformers (400/11kV). HT /LT Switchgears, 400 kV Switchyard, Emergency Diesel Generator, Plant DC system such as Batteries, Associated Chargers etc. at least in one Thermal power station of capacity 1000 MW or above and unit rating of the plant shall be at least 500MW.

4.2 NOTES FOR CLAUSE 4.1



- 4.2.1 The bidder shall submit relevant documentary evidence in support of qualification criteria for O&M, like previous similar contract order copies of executed contracts along with 'Contract execution and Performance Certificate from the Owner/Plant in-charge (certificate issued by Project Authorities/Competent Authority of the Corporation/Board/Organization/Power Utilities).
- 4.2.2 If the bidder itself is Owner of the Plant, then the self-certified 'Performance Report' indicating relevant performance parameters shall be submitted.
- 4.2.3 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 QR.
- 4.2.4 The work executed by the bidder's group company/subsidiary company shall not be considered for meeting pre-qualification.
- 4.2.5 The work executed by the bidder, as a member of Joint Venture/Consortium/Associate can also be considered provided:

The allocation of scope of work between the partners of the Joint Venture/Consortium/ Associate is clearly defined in the executed JV agreement and bidder's scope of work and breakup of work executed by them as individual contribution in the Joint Venture/Consortium/Associate, duly authenticated by the Authority/owner, meet the relevant provision of PQ requirement.

- 4.2.6 Owner/Developer of a Power station such as Independent Power Producer or Public Sector undertaking, (either wholly or partly owned by State Government(s) and/or Government of India) and having above mentioned O&M experience in their own station can participate as a Bidder against the Clause 4.1 above.
- 4.2.7 A bidder will qualify on the strength of one of its promoters, only if the Bidder, on its own, must have experience of successful Operation and Maintenance of at least one complete coal based Thermal Power station of unit capacity of 250 MW or above for a period of one year during the last seven years.
- 4.2.8 If the Bidder qualifies on the strength of one of its promoters, then the promoter company on whose strength the bidder is qualifying, shall furnish a Deed of Joint Undertaking (Schedule-6A in case the promoter is a PSU and Schedule-6B in case the promoter is other than PSU) for supporting successful execution of O&M services and shall furnish additional Bank Guarantee for 2% (two percent) of Contract price (in case of award). However, if the promoter is a PSU or State Govt./GOI, the requirement of additional BG 2% of Contract price will not be applicable.

Also, the bidder shall deploy head of following divisions from the same promoter company, on whose Strength, bidder is qualifying:

- Control Room Operation
- Plant Manager
- BTG Local operation & services
- Boiler Maintenance



- Turbine Maintenance
- Coal Handling Plant O&M
- Ash Handling Plant O&M
- Water System Maintenance

A Deed of Joint Undertaking (Schedule-6A. in case the promoter is a PSU and Schedule-6B In case the promoter is other than PSU) in this regard is required along with techno-commercial bid, certifying that head of the divisions deployed above shall be regular employees on payroll of the promoter on whose strength the bidder is qualifying.

- 4.2.9 If the bidder is qualifying on the strength of its promoter then the bidder and its Promoter on whose strength the bidder is qualifying, are jointly and severally responsible.
- 4.2.10 The promoter of bidder should not comprise of more than 2 (two) promoters.
- 4.2.11 The bidder must be a Company/Corporation/Public undertaking either wholly (or) partly owned by State Government(s) and/or Government of India operating thermal power plant(s) of their own (or) of third party(s).

OR

The bidder must be an Indian Company registered under the Indian Companies Act 1956 or 2013 and carrying out its business activities in India and /or abroad or a Foreign Company having permanent establishment in India as per Income Tax Act and complying with Indian laws and accepting payment in INR can also participate as a Bidder. They should have executed the above O&M contract on their name and agency who has executed such O&M contract as a sub-contractor shall not be considered under this qualification criteria.

- 4.2.12 The bidder running its own power plant as CPP (Captive Power Plant) shall not be considered.
- 4.2.13 If the Bidder has executed O&M services in more than one power plant /power station the same shall also be acceptable. (i.e.) O&M experience of Steam Generator & auxiliaries, Steam turbine& auxiliaries and BOP systems in one or more power stations through single or multiple contracts shall also be acceptable.
- 4.2.14 O&M services of Steam Generator (Boiler) & It Auxiliaries shall include Operation and Maintenance from Main Control room and as well as Local Control Panels/Stations including Environmental control & monitoring of Flue gas & Chimney, associated Electrical, Control & instrumentation panels.
- 4.2.15 Operation and Maintenance of Turbine and Auxiliaries shall include O&M services from main control room and as well as Local Control Panels/Stations including associated Electrical HT / LT systems, and Control & instrumentation panels, DDCMIS.



4.2.16 Operation and Maintenance of Balance of Plant (BOP) shall include O&M services against Mechanical and Electrical system for I) Coal Handling plant (from Track Hopper/Wagon Tippler to Bunkers) II) Plant water system (From makeup water Pumping to Liquid Effluent treatment plant), associated Water Treatment Plants, III) Ash Handling system and Ash disposal system(from BA hopper to Ash Dyke/Silos), IV) Compressed Air System, Fire Detection & Protection System of the station, V) Electrical System such as HT & LT Transformers, HT< Switchgears, Switch Yard & associated PLC equipment.

4.2.17 The bidder may please note that mere supply of manpower does not mean independently executed Operation and Maintenance Contract.

4.2.18 Lignite shall be considered synonymous with the term coal mentioned above.

4.3 FINANCIAL CRITERIA

4.3.1 The average annual turnover of the Bidder, in the preceding three (3) financial years as on the date of issue of NIT published on e-portal, should not be less than INR 150 Crores (including GST).

4.3.2 i) Net worth of the Bidder should not be Negative on the last day of the preceding financial year and, ii) should have not eroded by more than 30% in the last three financial years, duly certified and supported by Balance sheet/duly audited accounts or duly certified by Chartered Accountant/Cost Accountant.

4.3.3 The working capital of the bidder as per Financial Statement of immediately preceding financial year must be positive.

Notes:

(A) The bidder should satisfy the average annual turnover criteria stipulated above on its own. The Turnover of its Holding Company and subsidiaries will not be considered for the evaluation of annual turnover criteria & net worth criteria. Further, in case of Foreign bidders, conversion of USD/Country local currency into INR shall be as per RBI/SBI Guidelines as on the last date of respective Financial year and certified by Indian Chartered Accountant.

(B) 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 results for the last financial year as on the last date of Techno-commercial bid submission are not available, the financial results certified by a practicing Chartered Accountant shall be considered acceptable. In case, bidder is not able to submit the Certificate from a practicing Chartered Accountant certifying its financial parameters, the audited results of the earlier consecutive financial years preceding the last financial year shall be considered for evaluating the financial parameters. Further, a Certificate would be required from the CEO /CFO as per the Annexure enclosed in the bidding documents stating that the financial results of the Company are under audit as on the last date of Techno - commercial bid submission and the

Certificate from the practicing Chartered Accountant certifying the financial parameters is not available.

- (C) Other Income shall not be considered for arriving at annual turnover.
- (D) 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.
- (E) Working capital shall be calculated by subtracting Current Liabilities (CL) from Current Assets (CA) i.e. (CA-CL) as per the audited annual account of the immediately preceding Financial Year (March'2023). If audited financial statement for the immediately preceding financial year is not available, then the bidder shall submit these statements certified by a Chartered Accountant.
- (F) In case of Foreign bidders, global accounting year shall be considered for calculation of Financial Strength of the bidders.

Note: Details of Pre-Qualification Information shall be submitted as per Section III Annexure-I & Annexure-J.

- 5.0 Bids of only those Bidders who are meeting the Qualification Requirements will be considered for evaluation and award of the Contract.
- 6.0 Bids are invited through e-tendering by uploading and submitting the same on GeM Portal website - <http://gem.gov.in>.

7.0 RFP Documents shall comprise of:

A. Additional Terms & Conditions

Volume-I

Invitation for Bids	: Section - I
Instruction to Bidders	: Section - II
Forms & Schedules	: Section - III
General conditions of Contract	: Section - IV
Special Conditions of Contract/Special Terms & Conditions	: Section- V
Price Schedule	: Section - VI

Volume-II (Technical Specifications)

- 8.0 The complete RFP Document is available on GeM Portal. The bidders may download the RFP Documents accordingly after bidder registration. The bidders are advised to visit GeM Portal website for seller/service provider registration.

- 9.0 All future amendments/ corrigendum/ addenda/ clarifications, if any, shall be uploaded on the GeM Portal only. Bidders shall keep themselves updated with all such amendments/ corrigendum/ addenda/ clarifications.
- 10.0 The Bids are invited under single stage Two-Envelope Bid System. The first Envelope-I called “QR and Techno-Commercial Bid” shall contain EMD, Power of Attorney, Integrity Pact, No Deviation Certificate, Pre-qualification information & documentary evidence in support thereof and Techno-Commercial Information. The Envelope-I (QR & Techno-commercial Bid) and Envelope-II (Price Bid under ‘Financial Document’) are to be uploaded & submitted on GeM Portal. No hard copy of the Price Bid shall be accepted.
- 11.0 ‘EMD’, ‘Power of Attorney’, ‘Integrity Pact’ and ‘No Deviation Certificate’ in original shall be submitted in a sealed envelope separately offline by the stipulated bid submission closing date and time.
- 12.0 Bids without EMD (Earnest Money Deposit) in original will not be entertained. The scan copy of the DD or scan copy of receipt of RTGS/NEFT payment detail to be uploaded & submitted with other documents. The Tender fee (if applicable) & EMD should be submitted in acceptable form only as per Clause No. 27 of ITB (Section-II), otherwise bid may run risk of rejection. The original Bank Guarantee/ DD or details of RTGS/NEFT payment must reach on or before the last date of bid submission, at the address given below.
- 13.0 The Tender Fee and EMD is exempted for Micro and Small Enterprises (MSEs) as per prevailing Govt. policies / Directives. However the proof (the valid authenticated documents) for the same shall be submitted by the bidder for claiming the eligibility and the same must reach on or before the last date of bid submission, at the address given below. Bids without authentic proof of registration as Micro and Small Enterprises (MSEs) in hard copy, shall be treated as without Tender Fee and EMD and shall not be entertained.
- 14.0 Conditional Bid may run the risk of rejection.
- 15.0 Bids from Consortium/ Joint Venture are not permitted.
- 16.0 Notwithstanding anything stated above, THDCIL reserves the right to assess the capabilities and capacity of the bidder/ his collaborators/ subsidiaries/ group companies to perform the contract, should the circumstances warrant such assessment in the overall interest of THDCIL.
- 17.0 THDCIL reserves the right to reject any or all bids or cancel/ withdraw the Invitation for Bids without assigning any reason whatsoever and in such case no bidder / intending bidder shall have any claim arising out of such action.
- 18.0 Issuance of Bid Documents to any Bidder shall not construe that such Bidder is considered to be qualified. Bids shall be submitted and opened at the address given below in the presence of Bidder’s representatives who choose to attend the bid opening.

19.0 As per GeM's GTC, the Terms and Conditions stipulated in STC (if any) & SLA will supersede those in GTC and Terms and Conditions stipulated in ATC will supersede those in GTC and STC in case of any conflicting provisions.

20.0 Transfer of Bidding Documents purchased by one intending Bidder to another is not permissible.

21.0 Address for Communication:

HOD (Corporate Contracts),
THDC India Ltd., NCR office,
Plot No. 20, Sector-14, Kaushambi,
Ghaziabad - 201010 (UP), India
Tel: 0120-2816721/6711 E-mail: corpcontract@thdc.co.in
Websites: [https:// www.eprocure.gov.in](https://www.eprocure.gov.in) or www.thdc.co.in

22.0 Registered Office

THDC India Limited
BHAGIRATHI BHAWAN, (TOP TERRACE),
BHAGIRATHIPURAM, TEHRI GARHWAL-249001
Corporate Identification Number: U45203UR1988GOI009822
Website: www.thdc.co.in