OWNER:

THE TATA POWER COMPANY LIMITED

TITLE OF WORK TO BE AWARDED:

Super Heater Outlet Tube Material upgradation in Unit 30

at

Mundra Thermal Power Station (MTPS), Gujarat

ENQUIRY REFERENCE NO.: 4100074000

NOTICE INVITING EXPRESSION OF INTEREST (EOI)

Enquiry reference no.: 4100074000
Title of Work: Super Heater Outlet Tube Material upgradation in Unit 30 at Tata Power-Mundra
Type of Bidding: E-tendering (through Ariba online portal) / Two Part (Technical and Price bids under separate envelopes)
Contact Details: All communication including EOI submission shall be addressed to following officer/s: Name: Mr. Premkumar G Email: premkumar@tatapower.com / Ph: 9099006566 Copy of all communications shall be marked to (Cc): Name: Mr. Aseemkumar Joshi Email: aseemkumar.joshi@tatapower.com

The Tata Power Company Limited Invites Expression of Interest (EOI) from interested parties for the Two-Part e-Tendering Process of following Relevant Work Package:

Table 1 - Tender Summary

Package Details	Tender Fee	Bid Security
Super Heater Outlet Tube Material upgradation in Unit 30 at Tata Power-Mundra	INR 2000/- (INR Two Thousand Only). *To be submitted along with EOI.*	INR 150,000/- (INR One Lakh Fifty Thousand Only). *Bid Security to be submitted as a Bank Guarantee or RTGS or Demand Draft* ***at the BID stage and not with EOI***

1. INTRODUCTION:

The Tata Power Company Limited (TPCL) is among the largest private sector Power Utility companies in India with presence in Generation, Transmission and Distribution of Power through conventional and renewable sources.

Mundra Thermal Power Station (A Tata Power Division) has implemented the 4150 MW UMPP near the port city of Mundra in the state of Gujarat in India. This UMPP is India's first 830 MW unit thermal power plant using supercritical technology. MTPS operates on imported coal on pulverized coal-based boiler technology. The generating plant is in Tunda village of Mundra district in the state of Gujarat, India.

The tendering activities for this Project are being managed from Tata Power's following Office:

The Tata Power Company Limited,
Mundra Thermal Power Station - Ultra Mega Power Plant,
(Formerly a Unit of Coastal Gujarat Power Limited),
Tunda-Vandh Road, Tunda Village,
Mundra, Kutch 370 435, Gujarat.

2. SCOPE OF WORK: Detailed scope of services shall be as below

Total Panel will be – Approx. 32 nos. X 18 tubes in each panel
Total Joints will be - Approx. 2000 nos.

Pre-Outage Jobs

- Transport SH coils from main store area to Boiler Unit 30.
- Ensure safe handling to prevent any damage during shifting.
- Assemble the SH coils as per the specified installation type and alignment.
- Verify coil configuration matches drawing.
- Install and commission winch machine at Boiler Unit 30 site for lifting SH coils.
- Ensure operational safety and load testing prior to use (third party certification is must).
- Carefully dismantle and remove LRSB to create an access window for panel insertion.
- Preserve removed components securely for reinstallation

Outage Jobs

- Safely remove backstay structure located above LRSB, only in front of window area.
- Removal of insulation from water wall at the designated window area.
- Remove approximately 18 tubes x 4 meters length from side water wall to create working window for panel insertion.
- Install wire ropes throughout the SH section to assist with lifting and shifting.
- Shift scaffolding materials into the SH section.
- Erect scaffolding and seal vertically towards the screen tube.
- Provide safety nets integrated with hard barricading for worker protection.
- Provide and maintain adequate 24V lighting in the SH area for safe working conditions.
- Transport all tools, grinding and welding machines, and other tackles to the working area.
- Verify calibration and condition of all equipment.
- Ensure all electrical tools and equipment are certified safe for use on-site, it is to be certified by MTPS electrical dept.
- Submission of Quality Assurance Plan (QAP) and Welding Procedure Specifications (WPS).
- Post Weld Heat Treatment (PWHT) to be done on dissimilar joints (T91 to Super 304H), required machines and manpower for PWHT will be in vendor's scope.
- After PWHT required NDT to be done by vendor (MPI, Hardness, etc.)
- Inspection equipment will be in vendor's scope (i.e., Welding gauges, inspection glass, torches, magnetic sticks, etc.), to be provided to each fitter for inspection.
- Set up scaffolding at SH heater tube cutting and welding locations.
- Cut SH tubes according to the replacement plan/ drg. (Total 32 panels x 18 tubes in each panel).
- Install scaffolding for cutting, fit up, and welding activities.
- Shift cut SH tubes to ground level ("0" mtr.) via winch.
- Lift tube bundles into position and prepare V-groove joints.
- Fit up of new SH tube bundles inside the boiler (approx. 32 panels / 2000 joints).
- Perform welding and 100% Radiographic Testing (RT) of all joints with double RT passes until acceptable quality is achieved.
- Cleaning of existing tube bends (for replacement tubes) by vacuum or any other methods before final joints.
- Heavy duty vacuum machine to be provided by vendor for cleaning of the tubes (tube dimension- 42.2 OD x 7.3 mm thickness)

- Perform welding and NDT on all flexible connectors.
- Cut and re-weld any fouled tubes or locks; perform RT and Dye Penetrant Testing (DPT).
- Maintain daily and final housekeeping of the work area.
- Daily work report to be submitted and final work report in detail to be submitted within 3-4 days after completion of work (including photos)

Optional Jobs

- Conduct RT for any foreign material bends as identified.
- Execute any unforeseen cutting, welding, or RT required beyond initial scope (if any tube is damaged during work execution).

Restoration Jobs

- Dismantle and remove all scaffolding, lifelines, lifting devices, and temporary arrangements from the boiler.
- Install water wall tubes and fins.
- Perform welding and Non-Destructive Testing (NDT) of all joints and fins welding.
- Reinstall LRSB, backstay structures, and apply insulation as per original conditions.

Site Mobilization & Timeline Commitment: Bidder must submit a tentative mobilization /work completion plan indicating time required for:

  - Manpower mobilization
  - Equipment deployment
  - Welding joints completion
  - NDT completion
  - Total time for replacement work

Commitment to complete within outage window specified by the client.

3 TENDER FEE & TIMELINES:

a. Interested parties meeting the "Bidder Pre-Qualification Requirements" specified under point no. 4 in this document can request tender document and participate in the bidding process by submitting the Expression of Interest (EOI) Letter along with the Tender Fee Payment Details to the contact details mentioned below not later than the deadline specified below. Request for extension of EOI submission date will be not entertained.

b. **Interested bidders should submit the Expression of Interest (EOI) letter and tender fee payment details to below mentioned email addresses:**

   - Mails shall be addressed to (To): premkumar@tatapower.com
   - Must Mark a copy to (Cc): aseemkumar.joshi@tatapower.com

   EOI/ requests without complete information and communication as above within deadline shall be liable to be rejected and will not be considered further.

c. Tender Fee, as indicated in the Table 1 above may be paid through **NEFT** as per details for payment of Tender Fee given in Table 2 below:

Table 2

Details for payment of Tender Fee:	
Bank details for submitting Tender fees through bank transfer / NEFT:	Beneficiary Name: TATA POWER CO LTD Bank Name: STATE BANK OF INDIA A/c no: 30545457373 IFS Code: SBIN0009995 A/c type: CURRENT ACCOUNT Branch Name & Address: CAG BRANCH, NEVILLE HOUSE, 23 J N HEREDIA MARG, BALLARD ESTATE, MUMBAI-400001
Deadline for tender fee payment and submission of EOI:	**28th Nov'26, CoB**

d. **Expression of Interest letter to be submitted along with tender fee payment details should include the following details:**

- A covering letter duly stamped and signed by an authorized signatory clearly indicating the Tender Reference number and your EOI to participate in the tendering process.
- Tender fee payment details / reference number (ensure that tender fee is received by us within specified deadline)
- Bidder to indicate authorized person name, contact number and e-mail id (mandatory) of the person to whom RFQ / tender and all other communications to be addressed for this tender.

e. Detailed Bid Document (also referred as RFQ) shall be issued through Tata Power e-tender portal (Ariba System) only to the parties submitting a valid EOI as per the terms mentioned in this document.

4 BIDDER PRE-QUALIFICATION REQUIREMENTS:

Interested parties to note that Bidder shall be required to fulfill the following bidder pre-qualification requirement / criteria to qualify for the subject work. Bidder will be required to submit relevant supporting documents to demonstrate their qualification during the bid submission stage against Tender document / RFQ and bidders not found meeting the pre-qualification requirements given below will be disqualified from the tender.

4.1 TECHNICAL REQUIREMENT:

Technical Experience: The bidder must demonstrate sufficient technical experience relevant to the scope of work. The following conditions must be met:

- The bidder shall have executed at least two (2) similar jobs of superheater coil replacement or major pressure part replacement in thermal power stations of capacity 500 MW and above, within the last 5 years.
- Each of the above projects must include work on final superheater coils/Re heater coils or platen coils, preferably in boilers of subcritical or supercritical.

- Bidder must provide supporting documents such as work orders or completion certificates, etc.
- Experience with high-pressure, high-temperature and critical material welding of alloy steel and stainless steel (i.e.-T91, T23, Super 304H, 347H etc.) including dissimilar joint welding and post-weld heat treatment (PWHT) of the same joints is essential.

Personnel Qualification: The bidder must have competent and qualified personnel to execute the project:

- The bidder must have qualified personnel with relevant experience.
- Senior Engineer with experience in pressure parts fabrication and welding, familiar with relevant codes and standards (ASME Section I/II/IX, IBR, API, etc.)
- Welding Supervisor with minimum 5 years of experience in pressure part replacement projects, should have knowledge of pressure parts welding.
- Adequate number of ASME Section IX qualified welders (IBR approved), with experience in high alloy/SS pressure part welding (T91, P23, Super 304H etc.).
- Deployment of qualified NDT/QC personnel (ASNT Level II or equivalent) for radiographic, ultrasonic, DPT, magnetic particle testing and for daily/IBR work reports.
- Availability of a dedicated site Engineers, having a minimum of 5 to 10 years of experience in executing pressure part jobs in large capacity boilers.

3. Project Execution Capability & Client References

- Bidder must submit a list of completed projects in the last 5 years, with:
    - Project name
    - Client details
    - Boiler capacity
    - Scope of work
    - Duration of work completion
    - No. of welding Joints completed (for completed projects)
- At least two client references with whom similar jobs were completed successfully.
- Supporting documents to include:
    - Completion certificates (if available)
    - Evidence of completion within planned outage duration

4. Statutory Compliance

The bidder must comply with statutory requirements:

- Should have IBR (Indian Boiler Regulations) approved special class certificate.
- All applicable boiler codes and statutory norms including IBR certification.
- Compliance for use of Radiography source at MTPS site.

5. Tools & Tackles

The bidder must arrange required tools and equipment for work execution:

- Welding machines (GTAW/SMAW) as per requirement (preferably single phase)
- Grinding/Buffing/Cutting sets
- Vacuum machine to remove dust/debris from tubes before welding.
- Preheating and PWHT equipment as per requirement

- Winch, scaffolding, and lifting tools
- 24 v LED lights (rechargeable/solar)

6. Safety & Quality Assurance

- Documented Safety Management System and past safety performance data.
- Quality Assurance Plan (QAP) as per the job scope.

4.2 FINANCIAL REQUIREMENT:

Bidder / Tenderer should have minimum Average Annual Turn-over of Rs. 2.5 Crs (Indian Rupees Two Crores Fifty Lakhs only) during last 3 financial years **(Attach Turnover Certificate from Chartered Accountant (or) Balance sheet with P&L statement in this regard)**

It may be noted that the above requirements are minimum qualification criteria. However, Tata Power reserves its right to further assess the capabilities of the parties and reserves its rights to further shortlist, accept or reject any party without assigning any reason.

5 BID SECURITY / EMD:

Interested parties to note that Bidder will be required to furnish a Bid Security along with their Bid, in the format prescribed in Bid Document **in the form of Bank Guarantee or Demand Draft or RTGS**, for an amount as defined in the covering page of this notice document. Bids not accompanied by an acceptable Bid Security shall be rejected by the Owner as being non-responsive and returned to the bidder without being opened.

Interested parties to note that Bid Security is not required with the EOI and it is required to be submitted with the Bid only during Bid Submission stage once RFQ is released to the interested parties that have submitted a valid EOI.

6 BIDDING PROCESS:

Detailed Bid Document (also referred as RFQ) shall be issued through Tata Power e-tender portal (Ariba System) only to the parties that submitted a valid EOI as per terms mentioned in this document.

Bidder to note that commercials for subject tender may be conducted through e-auction. Detailed bidding and auction process shall be detailed in the RFQ / tender document.