



OWNER:
THE TATA POWER COMPANY LIMITED

TITLE OF WORK TO BE AWARDED:

**Repair and Reinstatement of Lightening Protection System on RCC Chimneys using
Rope access Methodology
at
Mundra Thermal Power Station (MTPS), Gujarat**

ENQUIRY REFERENCE NO.: 4100073107

NOTICE INVITING EXPRESSION OF INTEREST (EOI)

Enquiry reference no.: 4100073107
Title of Work: Repair and Reinstatement of Lightening Protection System on RCC Chimneys using Rope access Methodology
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
Repair and Reinstatement of Lightening Protection System on RCC Chimneys using Rope access Methodology	INR 2000/- (INR Two Thousand Only). <i>To be submitted along with EOI.</i>	INR 50,000/- (INR Fifty Thousand Only). <i>Bid Security to be submitted as a Bank Guarantee or RTGS or Demand Draft at the BID stage and not with EOI</i>

1. INTRODUCTION:

The Tata Power Company Limited 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:

Pre-Execution Requirements

- Conduct a site visit and verify access conditions, quantities and work constraints before mobilization.
- Submit the Work Method Statement (WMS), Risk Assessment and Method Statement (RAMS), Job Safety Analysis (JSA), rope-access plan, rescue plan, lifting arrangement and work schedule for MTPS approval.
- Mobilize only after approval of documents, personnel, tools, equipment and work permits.

Inspection

- Inspect all air-termination rods, down conductors, supports, clamps, joints, connections and terminations.
- Identify damaged, corroded, loose, missing, disconnected or defective components.
- Inspect the support and fixing arrangements and record the existing condition with photographs.
- Submit an inspection report identifying the items requiring repair or replacement.

Repair, Replacement and Reinstatement

- Dismantle and safely lower defective rods, conductors and associated components.
- Install MTPS-supplied air-termination rods and approximately 250 m of 70 sq. mm lead-coated copper down conductor.
- Repair or replace damaged supports, clamps, brackets, connectors, lugs, fasteners and fixing hardware.
- Provide conductor links wherever electrical discontinuity is observed.
- Repair air-termination support structures by approved welding or brazing of stainless-steel components, wherever required.
- Repair and reinstate earthing strips, earthing connections and associated hardware.
- Secure all components to ensure mechanical strength, corrosion resistance and electrical continuity.
- Remove all scrap and debris and restore the work area after completion.

Testing and Commissioning

- Carry out continuity testing of the complete repaired LPS.
- Check the tightness and integrity of all joints, connections and terminations.
- Carry out earth-resistance testing wherever applicable and accessible.
- Rectify defects identified during testing and repeat the tests until satisfactory results are achieved.
- Submit signed test reports and obtain completion clearance from MTPS.

Material Responsibility by MPTS

- Air-termination/lightning-arrester rods required for replacement.

- 70 sq. mm lead-coated copper down conductor.
- Clamps, connectors, lugs, fasteners, brackets and fixing accessories.
- Earthing strips required for repair or replacement.
- Any other major item specifically agreed in writing as an MTPS-supplied item.

Contractor Responsibilities

- Provide qualified manpower, supervision and valid IRATA-certified rope-access personnel.
- Provide rope-access equipment, rigging systems, lifting arrangements, rescue equipment, certified PPE, tools, tackles and calibrated test instruments.
- Design, fabricate, install and remove temporary anchor arrangements. Any welding on existing structures shall require prior MTPS approval.
- Arrange safe handling and lowering of dismantled materials.
- Provide all consumables and execute dismantling, installation, fixing, jointing, welding, brazing, termination, testing and housekeeping.
- Protect existing structures, equipment and coatings from damage. Any damage caused during execution shall be rectified by the contractor at no additional cost.
- All contractor-supplied materials shall be suitable for the service conditions and shall be submitted for MTPS approval before use.

Safety and Statutory Requirements

- Comply with MTPS safety rules, Permit-to-Work (PTW), Lockout/Tagout (LOTO), statutory requirements and approved RAMS/JSA.
- Ensure all personnel complete MTPS safety induction and entry formalities before deployment.
- Establish exclusion zones and barricading below the work area and implement effective dropped-object prevention.
- Maintain a ready rescue system and emergency response arrangement throughout rope-access work.
- Conduct daily toolbox talks and equipment inspections.
- Continuously monitor weather conditions. Suspend work during rain, lightning, poor visibility or wind conditions exceeding the approved limit.
- Use only certified and inspected rope-access, rigging and rescue equipment. Test instruments shall have valid calibration certificates.
- Immediately report unsafe conditions, structural deficiencies and operational constraints to MTPS.

Personnel Qualification

- Rope-access personnel shall hold valid IRATA certification appropriate to their assigned role.
- Welders/brazers shall hold valid qualifications suitable for the proposed work.
- Supervisors, technicians and safety personnel shall be experienced in similar high-elevation industrial work.
- Copies of certificates, competency records and medical fitness documents shall be submitted before mobilization

Completion Deliverables

- Approved WMS, RAMS, JSA, access plan and rescue plan.
- Pre-work and post-work inspection reports with photographs.
- Material consumption statement and scrap-return/ disposal record.
- Continuity and earth-resistance test reports, where applicable.
- As-built details, if the installed routing or arrangement differs from the existing system.
- Final completion report and jointly signed completion certificate.

General Tender Conditions

- Quoted rates shall include manpower, supervision, mobilization, demobilization, rope access, tools, tackles, PPE, testing instruments, consumables, temporary arrangements, transport, housekeeping and all incidental work necessary for complete execution, except the items specifically stated as MTPS-supplied.
- Quantities are indicative. Payment shall be based on the agreed contract terms and actual executed quantities, where the price schedule is quantity-based.
- The contractor shall verify site conditions before bidding. Claims arising from failure to assess access, elevation, working conditions or site constraints shall not be entertained.
- No deviation from the approved method or material shall be permitted without prior written approval from MTPS.
- Work shall be planned to minimize interference with plant operation and shall be carried out as directed by the Engineer-in-Charge.

Detailed Technical details & BOQ shall be provided in the Tender / RFQ document to all potential bidders submitting the valid EOI with tender fees within deadline of submission.

3. TENDER FEE & TIMELINES:

- a. Interested parties meeting the "Bidder Pre-Qualification Requirements" specified under point no. 4 in this document can request a 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 not be 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 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:	3rd 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:

Bidder must 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.

PQR shall support for the inspection, repair, replacement, testing and reinstatement of the Lightning Protection System installed on five flue cans of two RCC chimneys using rope-access

methodology at Tata Power, Mundra Thermal Power Station (MTPS). The work will be performed at an elevation of approximately 275 meters using rope-access methodology.

- The bidder shall have successfully completed similar work during the last three years, (considering the original bid-submission due date) and shall meet any one of the following criteria. The bidder shall submit copies of the qualifying purchase orders or work orders, along with client issued performance certificates or satisfactory completion certificates of similar industries.
 - One completed order of value not less than Rs. 40 lakhs; or
 - Two completed orders, each of value not less than Rs. 20 lakhs; or
 - Three completed orders, each of value not less than Rs. 15 lakhs.
- Similar work shall mean the repair and refurbishment nature of jobs (incl. Lightning Protection System, Lightning Arrester system) on RCC chimney, industrial stack, tower or comparable high-rise industrial structure **using Rope Access Methodology**.
- The bidder shall furnish a list of clients for whom similar work was successfully completed during the last three years, along with supporting experience, completion or performance certificates.
 - The bidder shall have adequate experience and capability to execute the work at an elevation of approximately 275 m using an approved rope-access methodology with Valid IRATA-certified rope-access manpower.
- The bidder shall provide all necessary certified rope-access equipment, rescue equipment, rigging and lifting arrangements, tools, tackles, welding or brazing equipment, and calibrated continuity and earth-resistance testing instruments.
- The bidder or contractor shall comply with, and ensure that the deployed workforce complies with all site-safety rules and regulations and bidder shall be able to carry out Risk Assessment and work Method Statement, rope access methodology, JSA, Emergency response and rescue plan etc.
- The bidder should preferably hold valid ISO 9001, ISO 14001 and ISO 45001 certifications. If any of these certifications are unavailable at the time of bid submission, the bidder shall submit an undertaking confirming willingness to obtain the applicable certification within two months from the date of qualification or award.
- The bidder shall possess all applicable statutory registrations, licenses and insurance policies required for executing the work and deploying the workforce.
- The bidder shall not be suspended, debarred or blacklisted by the purchaser, any government department, public-sector undertaking or major industrial organization as of the original bid-submission due date.

4.2 FINANCIAL REQUIREMENT:

Bidder / Tenderer should have minimum Average Annual Turn-over of Rs. 75 Lakhs (Indian Rupees Seventy-Five Lakhs) during last 3 financial years. **(Attach Turnover Certificate from Chartered Accountant (or) P&L statement and Balance sheet 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.