



**OWNER:
THE TATA POWER COMPANY LIMITED**

**TITLE OF WORK TO BE AWARDED:
SUPPLY AND APPLICATION FOR CHEMICAL AND EROSION RESISTANT COATING
INSIDE CONDENSER CONDUIT AT
MUNDRA THERMAL POWER STATION (MTPS), GUJARAT**

ENQUIRY REFERENCE NO.: MTPS25AD849

NOTICE INVITING EXPRESSION OF INTEREST (EOI)

Enquiry reference no.: MTPS25AD849
Title of Work: Supply and application for chemical and erosion resistant coating inside condenser outlet conduit at Tata Power, MTPS.
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: Mr. Ashish Desai Email: ashish.desai@tatapower.com Copy of all communications shall be marked to (Cc): Mr. Joshi Aseemkumar 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:

Table1 – Tender Summary

Package Details	Tender Fee	Bid Security
Supply and application for chemical and erosion resistant coating inside condenser outlet conduit at Tata Power, MTPS.	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 through RTGS or Demand Draft at the BID stage and not with EOI</i>

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:

The brief scope of work for Services for internal coating at condenser outlet conduit & outlet pipe strengthening comprises below work:

- Vendor to provide 5-7 years of warranty/guarantee for coating. Coating must be intact for 5-7 years.
- Removal of old concrete lining.
- SA. 2.5 blasting or mechanical tool cleaning based on feasibility.
- Service air source with 4.5 Kg/cm² pressure will be provided by M/S. MTPS. If air pressure required is more, then vendor has to bring his own portable air compressor.
- Coating application as per procedure. (Specifications mentioned below).
- Matching of new lining with old lining at joint. At joint cement lining is 20mm.
- Safety tools and tackles required for application.
- Tools, tackles & machines required to carry out job will be in vendor's scope.
- Grits, Hopper, blasting equipment, hoses and all other items required for blasting will be in contractor.
- **Filling Material:**
 - TYPICAL PROPERTIES OF UNCURED MATERIAL:
 - Weight per volume kg/L 1.09 to 1.18 (lbs/gal) (9.1 to 9.8) Density @ 23 °C, g/cm³
 - Hardener: Density @ 23 °C, g/cm³ 2.396 Mixed: Density @ 23 °C, g/cm³ 2.38 Coverage 8.7 liters per 18 kg kit (532 in³ per 40 lb kit)
 - TYPICAL PROPERTIES OF CURED MATERIAL:
 - Physical Properties: Volume Shrinkage, ISO 1675 % 0.66
 - Coefficient of Thermal Conductivity ASTM F 433, W/(m·K) 0.21
 - Glass Transition Temperature ISO 11359-2, °C 63 Coefficient of Thermal Expansion, ISO 11359-2, K -1: Below Tg 15×10⁻⁶ Above Tg 40×10⁻⁶ Compressive Strength, ISO 604 N/mm² 90 (psi) (13,100) Compressive Modulus, ISO 604 N/mm² 11,300 (psi) (1,633,000) Flexural strength , ASTM D790 N/mm² 23 (psi) (3,370) Flexural modulus , ASTM D790 N/mm² 6,430 (psi) (932,240)
 - Electrical Properties: Volume Resistivity, IEC 60093, ohm-cm 780×10¹² Surface Resistivity, IEC 60093, ohms 4.4×10¹⁵
- **Epoxy Coating Material:**
 - TYPICAL PROPERTIES OF UNCURED MATERIAL Resin: Viscosity, Brookfield - RV, 25 °C, mPa·s (cP): Spindle 7, speed 10 rpm, 200,000 to 260,000LMS Weight Per Gallon, lbs/gal 14.35 to 14.85LMS Hardener: Viscosity, Brookfield - RV, 25 °C, mPa·s (cP): Spindle 2, speed 20 rpm, 500 to 900LMS Weight Per Gallon, lbs/gal 8.6 to 8.9LM
 - TYPICAL PROPERTIES OF CURED MATERIAL Cured for 7 days @ 25 °C
 - Physical Properties: Compressive Strength, ISO 604 N/mm² 70 (psi) (10,180) Compressive Modulus, ISO 604 N/mm² 3,855 (psi) (558,900) Tensile Strength, ISO 527-2 N/mm² 30 (psi) (4,370) Tensile Modulus, ISO 527-2 N/mm² 6,900 (psi) (1,000,930) Flexural strength , ASTM D790 N/mm² 62 (psi) (9,050) Flexural Modulus , ASTM D790 N/mm² 5,305 (psi) (769,200) Elongation, at break, ISO 527-2, % 0.7 Coefficient of Thermal Expansion, ISO 11359-2 K -1: Pre Tg 47×10⁻⁶ Post Tg 136×10⁻⁶ Shore Hardness, ISO 868, Durometer D 85 Glass Transition

Temperature, °C: (Tg) via TMA ISO 11359-2 59 Volume Shrinkage, ISO 1675, % 1.8 Water Vapor Transmission Rate, ASTM E96: Permeance, grams/Pa*s*m² 8.5×10⁻¹¹ Coefficient of Thermal Conductivity, ISO 8302, W/(m·K) 0.53 Abrasion Resistance, ASTM D4060: mg 1 Kg load, CS-10 wheels, Weight of Material Lost 12 Heat Deflection Temperature, ASTM D648, °C 46 Electrical Properties: Volume Resistivity, IEC 60093, Ω·cm 3.7×10¹³

Detailed Scope of work, technical details & BOQ for this Contract 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 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 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): ashish.desai@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 Table1 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:	15th April 2025, 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 no (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 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 in order 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:

A) Experience and Past Performance:

- **Similar Projects:**

- I. Demonstrate experience in successfully completing coating projects similar in scope and complexity to the one being tendered. Especially in sea water system Unit size of 660MW or above of Pulverized fuel Indian/imported coal bases power plant or any other similar industry
- II. Bidder shall provide 2 purchase orders of similar experience as above in last 5 years of PO value not less than 50 lakhs/ year. Bidders should submit successful order completion certificate along with respective PO. This list should include brief project descriptions, the type and size of power plant, and the current operational status of each project.
- III. Bidder must possess ISO 45001:2018, ISO 9001:2015 & ISO 14001:2015 certification for maintenance service.

- **Project References:**

Provide references from previous clients for projects where similar coating work was performed.

- **Project Documentation:**

Submit project documentation, including work schedules, quality control procedures, and project completion reports.

B) Technical Expertise and Capabilities:

- **Coating Systems:**

Demonstrate expertise in the specific coating systems required for the project, including primers, topcoats, and specialized coatings.

- **Surface Preparation:**

Show proficiency in various surface preparation techniques, such as blasting, cleaning, and priming, to ensure proper substrate adhesion.

- **Application Techniques:**

Demonstrate proficiency in applying coatings using different methods, such as spraying, brushing, or rolling, depending on the project requirements.

- **Quality Control:**

Outline quality control procedures, including inspection protocols, sampling techniques, and testing methods to ensure coating quality.

- **Safety Practices:**

Demonstrate knowledge of and adherence to safety regulations and best practices for coating operations.

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.

4.2 FINANCIAL REQUIREMENT:

Bidder / Tenderer should have an Average Annual Turn Over of not less than **INR 100 Lakhs (Indian Rupees One Hundred Lakhs)** during the last three financial years. **(Attach CA Certified P&L statement consisting of UDIN Number).**

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/ Demand Draft/ 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.