



**OWNER:
THE TATA POWER COMPANY LIMITED**

TITLE OF WORK TO BE AWARDED:

SERVICES FOR OVERHAULING OF ESP DURING UNIT 10 OUTAGE

at

MUNDRA THERMAL POWER STATION (MTPS), GUJARAT

ENQUIRY REFERENCE NO.: 2500019841

NOTICE INVITING EXPRESSION OF INTEREST (EOI)

Enquiry reference no.: 2500019841
Title of Work: Services for Overhauling of ESP during Unit 10 outage 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 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
Services for Overhauling of Fly Ash and Bottom Ash system during Unit 10 outage at Tata Power-Mundra.	INR 2000/- (INR Two Thousand Only). <i>To be submitted along with EOI.</i>	INR 40,000/- (INR Forty 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 (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:

OVERHAUL OF RAPPING SYSTEM:

- Scaffolding erection for any maintenance job will be with contractor scope. Good quality scaffold materials to be used. Scaffolding materials will be with the contractor.
- Oil replacement of all CE, GDW & DE – about 400 liters oil replacement. Collect & deposit waste oil at designated location. Oil to be provided by M/s Tata Power.
- Damaged fasteners and structural replacement to be done. Structural materials and fasteners required, to be provided by M/s Tata Power
- CE motors gland rope replacement and stools, spacers to be replaced if damaged.
- CE & DE Frames alignment with heating torch and wooden hammers. Damaged links and hammers to be replaced.
- Baffle plates alignment with heating torch and welding.
- CE/DE/GDW gearboxes to inspected/replacement/overhauling if required is in vendor scope.
- DE rapping system worm and worm-wheel and connecting linkages to be inspection/complete assembly replacement is in Vendor scope.
- Loose bearing/Fixed coupling/ Bearing bushes to be replaced.
- All CE and DE rapping system hammer assembly pin to be replaced with EN8 and additional washer welding to done in all hammers.
- Assistance for Transformer replacement including lifting slinging and loading/unloading.
- Installation, servicing of hoist – if required.
- Inspection of GD screen supports and rectification if required.
- Final restoration and box up of ESP.
- Test charging and rapping system trial.
- Returning of scraps to Tata Power Store and post job housekeeping to be ensured.
- Entire job to be carried out in 28 days.

OVERHAUL OF PURGE AIR SYSTEM

- All 8 nos. Purge air fan bearings /impeller/damper inspection and overhauling
- Insulator housings and roof beams inspection for leakages and attending to same.
- Inspection and maintenance of valves connected to water washing line.

Washing OF ESP (High Pressure jet cleaning/ Water Washing of ESP Hoppers)

- Manual hammering for removal of ash lumps and manual hoppers emptying by Pocking which is not cleared by system
- Bags are to be placed below the individual hoppers for ash collection and safe disposal. Ash pocking and disposal will be with contractor scope. Ash to be disposed at ash dyke. Required truck/dumper/trailer/hydra shall be with contractor.
- Repair and maintenance of manhole doors with additional packing plates/frame repair/buffing prior to painting and painting of same with high temperature aluminum paint. Paint to be provided by M/S. Tata Power.
- Washing of ESP to be done by high pressure jet. Complete skid of high-pressure pump along with hoses & accessories shall be with service provider. (Pressure: maximum of 10-

15 Kg/Cm² to considered for now, exact pressure of cleaning shall be communicated during job execution)

- Job to be continued round the clock, and minimum of two (02) skids to be installed for high pressure jet cleaning.
- Potable water to be used for water jet cleaning/washing.
- Potable water tanker & power supply will be provided by Tata Power at single location at ESP zero mtr.
- Required flexible hoses/safety PPE requirement shall be with contractor.
- Existing ESP evacuation piping removal for water washing and restoration after job completion shall be done by service provider.

Safety requirement (As per Tata Power safety guidelines):

- No jobs to be carried out without PTWs, Toolbox meeting (TBM) and prior instructions from Tata Power - MMD engineer. Any revisions/changes if required to be done for job execution, shall be informed to concerned tata Power engineer beforehand to avoid any delay in execution.
- Contractor safety supervisor is required to guide the workmen all the time of activity. As there will be confined space work. Oxygen level and other confined space formalities to be fulfilled before commencement of work. O₂ meter will be in contractor scope.
- 4 PPEs compliance is mandatory requirement for Tata Power site.
- Dust suit to be used inside ESP working and is in Scope of Contractor.
- Safety belt & Fall arrestor for height work to be ensured. Lifeline arrangements to be done while work at height.
- Welder must wear face shield fitted with safety helmet, and welding helper must wear required eye protection for welding.
- Usage of Fire blankets for hot works.
- All lighting arrangements 24 V LED with transformer is in contractor scope.
- All the electrical equipment's like welding machine, grinding machine etc. to be certified by our electrical maintenance department; and equipment's to be connected with source using ELCBs in circuit. Pneumatic tools to be used wherever required.
- Scaffolding must be as per standard with top and mid rail and at par with Tata Power safety requirement.
- Gas cylinders only to be used with flash back arrestor. Gas cylinder kept tied with fixed structure always.
- Nose Mask and Dust guard to be used for internal jobs in ESP and air cleaning of ESP. required nose mask/dust guard shall be with contractor.
- All the equipment's, like grinding machine, heating torch, welding holder, gas cylinder fittings must be ISI marked.

Tools, tackles and Consumables:

- All the required tools, tackles and consumables required like Welding electrodes, all gas cylinders, cutting wheel, heating torch, grinding wheel, grease/ Molykote, cleaning materials, etc. are in contractor scope.

- Complete scaffolding material in the scope of contractor.
- Welding electrode /Filler to be used of the following make only; ADOR/ L&T/ESAB/DIFFUSION.
- Wooden slippers, lifting tools and tackles, Chain blocks will be with contractor scope.

Note: Tata Power reserves the right of revisions/changes in the job scope whenever required and the same shall be intimated to contractor.

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:	3rd March 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 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:

- 4.1.1 The Bidder must have experience in overhauling of ESP in Power plant of capacity 660 MW & above, of Pulverized fuel Indian/imported coal base power plant.
- 4.1.2 Bidder shall provide 2 purchase orders of similar experience as above in last 2 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.
- 4.1.3 Bidder shall provide reference of 2 Purchase Orders of similar meeting above criterion in last 2 years.
- 4.1.4 Bidder / Tenderer should preferably certify with ISO 9001 / ISO 14001 / ISO 45001 or must give an undertaking for their willingness to obtain the same within 2 months of qualification for the work.

4.2 FINANCIAL REQUIREMENT:

Bidder / Tenderer should have minimum Average Annual Turn-over of Rs. 1 Crore (Indian Rupees One Crore only) during the last 3 financial years (**Attach Certificate from Chartered Accountant 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.