



**OWNER:  
THE TATA POWER COMPANY LIMITED**

**TITLE OF WORK TO BE AWARDED:  
Supply and service for relay retrofitting in MV switchgear feeders at  
MUNDRA THERMAL POWER STATION (MTPS), GUJARAT**

**ENQUIRY REFERENCE NO.: MTPS25VS788**

## NOTICE INVITING EXPRESSION OF INTEREST (EOI)

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| <b>Enquiry reference no.:</b> MTPS25VS788   |
| <b>Title of Work:</b> Supply and service for relay retrofitting in MV switchgear feeders at Tata Power, MTPS.   |
| <b>Type of Bidding:</b> E-tendering (through Ariba online portal) / Two Part (Technical and Price bids under separate envelopes)  |
| <b>Contact Details:</b> All communication including EOI submission shall be addressed to following officer/s:<br>Mr. Vinod Singh<br>Email: <a href="mailto:vinod.singh@tatapower.com">vinod.singh@tatapower.com</a><br>Copy of all communications shall be marked to (Cc):<br>Mr. Anil Agarwal<br>Email: <a href="mailto:anil.agarwal@tatapower.com">anil.agarwal@tatapower.com</a> |

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**

| <b>Package Details</b>  | <b>Tender Fee</b>   | <b>Bid Security</b>  |
|---|---|--|
| Supply and service for relay retrofitting in MV switchgear feeders at Tata Power, MTPS. | INR 2000/- (INR Two Thousand Only).<br><i>To be submitted along with EOI.</i> | INR 40,000/- (INR Forty Thousand only).<br><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 shall comprise of following:

1. Supply of Equivalent Numerical relays to our existing ABB Make Relays as per Model and Quantity mentioned below:

| Sr.No | Existing Relay Model   | Quantity |
|-------|--|----------|
| 1     | REF541KM15AAAA Uaux:110V-240V AC/DC, Un:100-120V (U,U0) In:1/5A ,0.2/1A (I0,I0b) ,In=1/5A , Fn=50/60 Hz with IEC61850 Communication Protocol Make:ABB  | 10       |
| 2     | RET543AB244AAAA Uaux:110V-240V AC/DC ,Un:100-120V (U,U0) In:1/5A ,0.2/1A (I0,I0b) ,In=1/5A , Fn=50/60 Hz with IEC61850 Communication Protocol Make:ABB | 4        |
| 3     | REF615 HBFEEAGNAA1BNN1XC Make:ABB Aux Supply : 100-230V AC/DC with IEC61850 Communication Protocol Make:ABB  | 4        |

2. Vendor has to propose the equivalent models available and has to submit techno commercial offer for them after having a technical discussion on the same for finalization of Relays along with services and integration with the Existing Scada.
3. The relays offered should be conformal coated and suitable for harsh environment.
4. Based on finalized relays, vendor has to provide initial drawings and terminal details as per our existing schemes. Effort to be made that same ferruling to be used and few changes required in retrofitting work if required need changes in the scope of Vendor.
5. After finalization of drawings, vendor needs to supply the relays with initial configuration accordingly.
6. Vendor has to dismantle the existing relays and New relays need to be installed. Work related to installation like cutout in panel if required or additional packing etc, need to be done.
7. All the materials and tools required will be in the vendor scope.
8. Relay wiring to be done as per approved drawing. Control cables, ferrule, lugs, cable ducts and dressing materials are in vendor scope. Cable sizes and lugs sizes and type will be as per existing ones.
9. Relay Panel all the configuration Tags and stickers will be in the scope of vendor.
10. Relay terminal testing before connecting cable to be verified with M/S Tata Power (e.g. NO/NC Contact, Resistance, IR Value wherever its applicable).
11. Relay Monitoring and Protection testing, checking of all BI/BO of relay and other spare contact healthiness at site to be verified.
12. Relay communication with Scada and verify each alarm and trip at SCADA, Control room DCS and Local Relay panel in our presence.
13. Relay communication with SCADA establishment if any additional software required will be in the scope of vendor.

14. Vendor has to submit the software with the valid license.
15. At present Existing Scada server is operating with XP Operating system, vendor need to do complete study before execution, in future if we will upgrade the Server then suitable configuration to be updated to M/s Tata Power.
16. Commissioning document verification to be done with the Factory test result.
17. If any changes are done in scheme as per site requirements, necessary changes to be included in drawing and final As built drawing to be provided in Soft and hard formats.
18. Before supply of relay vendor must submit the MQP, FQP of the new relay and all the test report and after confirmation by M/S Tata Power only they need to supply.
19. Any Protection which is inbuilt features in the relay to be mentioned clearly to M/S Tata Power.
20. All the special tools and tackles required during retrofitting will be in the scope of vendor.
21. If cutout required for the new relay that modification along with proper wiring will be in the scope of vendor.
22. Bidder shall provide extended warranty for additional 3 years over and above as mentioned in relevant clause of GCC (which is 2 years) for the supplied protection, automation and communication equipment of this package including sub-vendor products. Bidder shall consider the scope for warranty as specified in the specifications.
23. Bidder must agree for handing over, to Purchaser, all project related drawings in AutoCAD format only. The pdf versions of above drawings shall be submitted through wrench for formal approval process.
24. The offered product shall comply to all open protocols such as IEC 61850, C37.94, etc. and compatible with all other OEM's products. Any interoperability issues arising during commissioning and during guaranty period, bidder shall undertake to resolve them within 2 months (maximum) period.
25. All offered equipment should have been successfully type tested at any of the internationally accredited laboratories in line with relevant standards. The type tests certificates of the equipment's shall not be more than 5 Years old as on the scheduled date of bid opening.

Detailed Scope of work, technical details & tentative 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): [vinod.singh@tatapower.com](mailto:vinod.singh@tatapower.com)
  - Must Mark a copy to (Cc): [anil.agarwal@tatapower.com](mailto:anil.agarwal@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<br>Bank Name: STATE BANK OF INDIA<br>A/c no: 30545457373<br>IFS Code: SBIN0009995<br>A/c type: CURRENT ACCOUNT<br>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:                | <b>2<sup>nd</sup> September 2024, COB</b>  |

- 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. The bidder should be a manufacturer of numerical relays and should have engineered, manufactured, supplied, 'erected/supervised erection' and 'commissioned/supervised commissioning' of numerical relays with IEC 61850 used for application in Feeder Protections/Transformer protections/Motor protections. These relays should have been in successful operation for at least one (01) year prior to the date of Techno-Commercial bid opening.
- b. Bidder shall provide reference of at least One Purchase Order regarding execution of M/S ABB Relay Retrofitting with Other Make relays and integration of these relays with ABB MICROSCADA and successful completion of such project issued by PO Owner, need to be submitted along with the offer.
- c. Bidder must have support service Centre in India to cater after sales services. Technical support facilities including qualified manpower, testing tools, instruments, and integration facilities available within India.
- d. OEM shall demonstrate required functionality and capability in Purchaser's Lab / OEM factory.

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 50 Lacs. (Indian Rupees Fifty Lacs)** 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.