



**OWNER:
THE TATA POWER COMPANY LIMITED**

**TITLE OF WORK TO BE AWARDED:
RATE CONTRACT FOR SUPPLY OF SEAWATER REVERSE OSMOSIS (SWRO)
MEMBRANE**

**AT
MUNDRA THERMAL POWER STATION (MTPS), VILLAGE - TUNDA,
MUNDRA, KUTCH, GUJARAT**

ENQUIRY REFERENCE NO.: CC26SC004

NOTICE INVITING EXPRESSION OF INTEREST (EOI)

Enquiry reference no.: CC26SC004
Title of Work: Rate contract for supply of seawater reverse osmosis (SWRO) membranes at 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. Saurabh Chaudhari Email: saurabh.chaudhari@tatapower.com Copy of all communications shall be marked to (Cc): Mr. Nagdhar C Kandi Email: nkandi@tatapower.com Mr. P Ramrayka Email: p.ramrayka@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	Estimated Package Value for Three years
Supply of Seawater reverse osmosis membrane at MTPS, Mundra	INR 2000/- (INR Two Thousand Only). <i>To be submitted along with EOI.</i>	INR 3,25,000/- (INR Three Lakhs Twenty-Five 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>	INR 6.5 crores (INR Six Crores Fifty Lakhs only)

1. INTRODUCTION:

The Tata Power Company limited is hereby inviting Expression of Interest (EOI) from interested and eligible parties for " **Rate contract for supply of seawater reverse osmosis (SWRO) membrane**" for **Mundra Thermal Power Station**, 4000 MW (800 x 5 units) UMPP near the port city of Mundra in the state of Gujarat in India for period of three years

2. SCOPE OF WORK:

The Scope of Work under this tender includes supply of SWRO membrane as per the technical specification mentioned below for a period of **Three (3) years**.

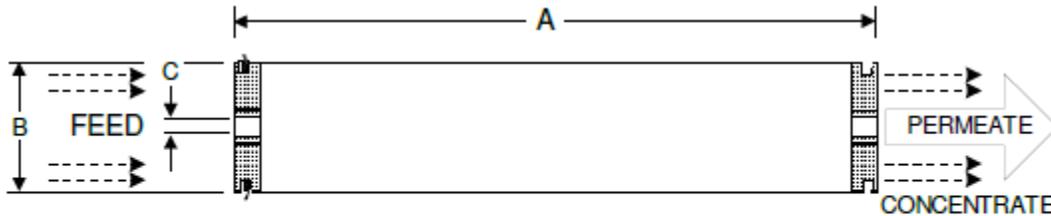
Technical Specification of SWRO Membrane:

Type:

- Configuration: Spiral Wound
- Membrane Polymer: Composite Polyamide
- All membrane elements are supplied with a brine seal, interconnector, and O-rings.
- All SWRO membranes must be wet tested.
- Membrane must be compatible for reverse cleaning.

Dimension & Packing :

Membrane Active Area**: 440 ft² (40.9 m²)



Element Details**

A, inches (mm)	B, inches (mm)	C, inches (mm)
40.0 (1016)	7.89 (200)	1.125 (28.6)

Packaging: Elements are enclosed in a sealed polyethylene bag containing less than 1.0% sodium meta-bisulfite solution, and then packaged in a cardboard box.

Afterward, the RO elements are vacuum packed in oxygen barrier bags or treated with a tested feed water solution, and then vacuum sealed in oxygen barrier bags with deoxidant inside.

Each cardboard box should be placed in pallet & secured so that no damage to membrane while transportation.

Performance:

- Permeate Flow : 7,200 gpd (27.3 m³/d)
- Salt Rejection : 99.8% (99.7% minimum)
- Boron Rejection (Average) : 93%

Vendor has to submit membrane performance projection for three years.

Application Data:

- Maximum Applied Pressure : 1200 psig (8.27 MPa)
- Maximum Chlorine Concentration : < 0.1 ppm
- Maximum Operating Temperature : 113 deg F (45 deg C)
- pH Range, Continuous (Cleaning) : 2-11 (1-13)
- Maximum Feedwater Turbidity : 1.0 NTU
- Maximum Feedwater SDI (15 mins) : 5.0
- Maximum Feed Flow : 75 gpm (17.0 m³/h)
- Minimum Brine Flow : 12 gpm (2.7.0 m³/h)
- Minimum Ratio of Concentrate to Permeate flow for any element : 5:1
- Maximum Pressure Drop for Each Element : 15 psi (0.10 MPa)

x

Detailed Scope of Work for this Contract shall be provided in the Tender / RFQ document to all potential bidders submitting the valid EOI with due tender fees.

3. TENDER FEE & TIMELINES:

3.1. 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 Bid Document / EOI will not be entertained beyond this deadline.

3.2. **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): Saurabh.chaudhari@tatapower.com
- Must Mark a copy to (Cc): nkandi@tatapower.com and p.ramrayka@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.

3.3. 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: The Tata Power Company Limited Bank Name: HDFC Bank A/c no: 00600110000763 IFS Code: HDFC0000060 A/c type: CC Branch Name & Address: HDFC Bank, Maneckji Wadia Building, Nanik Motwani Marg, Fort, Mumbai 400023
Deadline for tender fee payment and submission of EOI:	06th October 2025, COB

3.4. **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.

3.5. 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:

- The bidder should have supplied a minimum of 500 nos sea water reverse osmosis membranes (SWRO) of area 440 ft² or higher for a single project in the last two financial years.
- The bidder must have supplied SWRO membranes for at least three projects of capacity 25MLD, and these projects should have been in operation for the last three years.
- A reference list of executed projects from the past 5 years. This list should include brief project descriptions, the type and size of membranes supplied, and the current operational status of each project.

4.2 FINANCIAL REQUIREMENT:

Bidder shall have an Average Annual Turn Over of not less than INR 3 Crores during the last three financial years.

4.3 SUPPORTING DOCUMENTS (to be submitted with Technical Bid):

- a) PO Copy, from the concerned client in support of RO plant with supplied material in operation.
- b) Experience details should be submitted as per the following table format:

1	2	3	4	5	6
Sl. No.	Client details/ plant details/ capacity	Order No. Date & Year	Quantity supplied	Order value	Brief details of material

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/ DD/ 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.