

**NOTICE INVITING QUOTATION**

Sub:-" Supply, Installation, testing & commissioning of Industrial RO Plant (500 L/H), with warranty of 01 year at Eastern Railway High School, Sahibganj along with AMC."

Sealed Quotations are invited from registered manufacturers/suppliers/vendors/firms for Supply, Installation, testing & commissioning of Industrial RO Plant (500 L/H), with warranty of 01 year at Eastern Railway High School, Sahibganj along with AMC" as per the following terms and conditions.

Sealed quotation should be dropped at Quotation Box kept at the Welfare Section, Personnel Department, DRM Office, Malda, Eastern Railway, PO: Jhaljhalia, Pin : 732102 Malda, West Bengal from 10:00 hrs of 08.08.2025, to 18:00 hrs on 14.08.2025 (during office hours only) and will be opened at 15:00 hrs on 18.08.2025.

Quotation will be addressed to the 'Executive Officer, Eastern Railway High School Sahibganj and Sr. Divisional Personnel Officer, Eastern Railway, Malda'.

The detailed specifications are specified in Annexure-A.

Web page: [https://er.indianrailways.gov.in/view\\_section.jsp?lang=0&id=0,6,444,811,812,2342](https://er.indianrailways.gov.in/view_section.jsp?lang=0&id=0,6,444,811,812,2342) The prospective bidders are advised to refer to the website for any update in respect of this tender.

The RO Plant (500 L/H) is/are proposed to be supplied at Eastern Railway High School, Sahibganj, Jharkhand. It may be noted that Railway Administration will have full rights to cancel supplies while placing the supply order to selected bidder. The reason for cancellation of supply would not be disclosed.

The bidder is free to inspect the location(s) in the premises before submitting the bid under this tender.

**Location of supplies:**

The RO Plant (500 L/H) should be supplied at Eastern Railway High School, Sahibganj, Jharkhand.

**Scope of Supplies:**

- The RO Plant (500 L/H) shall be supplied in compliance to the specifications mentioned in Annexure- A of the tender.
- The specifications of the RO Plant (500 L/H) as mentioned in the Annexure-A are the requirements of tender, however higher specifications of the RO Plant (500 L/H) may be considered subject to their cost economics i.e. competitiveness in financial terms for the particular location.
- After the supply of the RO Plant (500 L/H) as mentioned in the Annexure A, the bidder has to execute its installation & commissioning & maintenance as specified at the designated site in the location(s). No extra cost shall be paid for this reason.

**Delivery:**

- The bidder should complete Supply, Installation, testing & commissioning of Industrial RO Plant (500 L/H), within thirty (30) calendar days from the date of issue of Letter of Acceptance.
- The material shall be inspected on receipt at site and bidder shall be responsible for any damage during the transit of the RO Plant (500 L/H).
- The bidder shall not arrange part shipments and/or trans-shipments without the permission of purchaser. The insurance cover including insuring the goods against the loss or damage incidental to manufacture or acquisition, transportation, storage and delivery/Installation & Commissioning shall be obtained by the bidder in his own name and not in the name of purchaser. The purchaser will as soon as possible but not later than 30 days from the date of arrival of goods at destination shall notify the bidder of any loss or damage to the goods.
- High Pressure plumbing shall be Reinforced rubber hose.

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Sr. Divl Personnel Officer

- e) System must have Digital display of critical parameters through range of sensors.
- f) System must have Thermal motor protection.
- g) System must have Alarms for Low Inlet pressure and autocut when filled.
- h) Supply Test kit for Checking.
- i) RO Membrane shall be replaced free of cost during the warranty period whenever required.
- j) Valves, pipelines should be of good quality.
- k) Provide NR V's Pressure Relief valves, wherever needed.
- l) Ensure proper water pressure in water taps.

#### **Warranty:**


- a) The bidder shall offer on-site comprehensive warranty of the RO Plant (500 L/H) for one year & AMC for next 03 years after completion of 01 year from the date of successful installation of the RO Plant (500 L/H) at the designated location & shall cover each and every part of the RO Plant (500 L/H) including parts having limited life etc. The purchaser is not liable to pay any extra charges on any account during warranty & AMC period.
- b) Any part or parts fail or proved defective within the on-site warranty & AMC period specified above, owing to defect in design, material or workmanship, the bidder shall have to replace them at the place of installation without asking for any charges.
- c) During the warranty & AMC period, expert(s) shall be deputed at site by the bidder within 24 hours from the time of request from purchaser, to rectify and fixing the defects of the RO Plant (500 L/H) at the location where the RO Plant (500 L/H) supplied. The cost of deputation of expert(s) and any other associated expenditure shall be borne by the bidder.
- d) Package drinking water should be provided in 20 L Jar along with Tap till rectification and fixing of the defects.
- e) It may be noted that the Railway Administration reserves and full rights to deduct any amount for non compliance of any terms & conditions.

#### **After Sales Services:**

- a) The bidder shall ensure to render after sales services during the warranty & AMC period to the satisfaction of purchaser.
- b) The bidder will depute their engineer within 24 hours to attend the service call received from purchaser.

#### **Submission of Tender:**

- a) The bidder to examine all instructions, forms, terms and specifications etc and to furnish with its bid all documents or information as required by bidding document.
- b) The language for all the correspondence and documents related to the tender shall be in English/ Hindi only. Moreover, the printed literature/technical details for the RO Plant (500 L/H) shall also be in English/ Hindi.
- c) The bid must be placed in a properly sealed envelope addressed to The Executive Officer, Eastern Railway High School Sahibganj and Sr. Divisional Personnel Officer, Eastern Railway, Malda and the said envelope shall contain:
  - 1) Financial Bid duly signed and stamped by the Bidder(Annexure-B)
  - 2) Technical Compliance sheet for quoted products (Make & model) duly signed and stamped by the Bidder(Annexure-C)
  - 3) Bidders must submit Undertaking for non-usage of refurbished component on Bidders' letterhead.
  - 4) Bidders must submit Undertaking for agreeing Terms & conditions on Bidders' letterhead.
  - 5) Declaration: Annexure D.
  - 6) Self attested Copy of Pan Card.
  - 7) Self attested Copy of GST Registration.
  - 8) Bank Details along with cancelled check.
- d) If the envelope is not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the bid.
- e) All the columns of the bid shall be duly, properly and exhaustively filled in. Any cutting/over writing etc. in the bid must be signed by the person who is signing the tender.
- f) Bid received in open covers/ letters/ fax/ email will not be considered.

  
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- g) While submitting the bid, if any of the prescribed conditions are not fulfilled or are incomplete in any form, the bid is liable to be rejected.
- h) If any Bidder stipulates any condition of his own, such conditional tender is liable to be rejected.

**Special Condition:**

- a) The contractor shall not assign or sublet the contract or any part thereof or allow any person become interested therein in any manner whatsoever without getting special permission of the Railway in writing.
- b) The contractor shall not leave away the contract in the midway. The entire work should be completed within the permitted period as will be marked in the work order. Only the agreement can be terminated by giving prior written notice for clear one month from either side & to recover the cost of damage or loss for such termination from the security deposit of the contractor.
- c) The contractor shall render service to the equipment as & when required within the contract period.
- d) All released material (which is purchased by Railway) shall be property of the Railway, who will dispose off the same as per procedure in vogue.
- e) The contractor shall provide training (Free of charge) for operating the equipment to two persons nominated by the customer.
- f) Railway shall not provide any spares & consumables as & when required during warranty & AMC period.
- g) Neither any pass or Privilege Ticket Order will be issued to the contractor/firm nor any travelling allowance will be paid by the Railways for this contract.
- h) The contractor should use good quality of materials for this purpose where needed.

**Payment:**


The bidder shall send bills in duplicate (original + copy) after Supply, Installation, testing & commissioning of Industrial RO Plant (500 L/H) and submit one (01) year warranty certificate and 03 years AMC certificate, giving the reference number of LOA along with copies of delivery notes. After receiving of satisfactory completion report on the Supply, Installation, testing & commissioning of Industrial RO Plant (500 L/H) from competent authority of purchaser department, the payment of 90% of total bill of Sch Item No. 1 will be made by purchaser.

10% payment will be kept withheld as Security Deposit and will be released on application after satisfactory completion of AMC period.

For Sch. Item No. 2, Payment will be made on satisfactory completion of every 06 month of AMC period in 06 installments.


The details about the designated person of purchaser department who is authorized to take the delivery of the RO Plant (500 L/H) shall be informed to the successful bidder through the LOA for the supply of the RO Plant (500 L/H).

DA: Annexure-A,B,C

  
 (In Subject)  
 Eastern Railway High School Sahibganj  
 and  
 Eastern Railway, Malda  
 Sr. Divl. Personnel Officer  
 प. र. मालदा, E. Rly., Malda.

Copy to:-Sr.DFM/MLDT for information and he is requested to depute one Sr. Section Officer to open the quotation at Malda on 18.08.2025.

Copy to:- Head Master ERHS/SBG for information please and to upload the notice in School website.

  
 Eastern Railway, Malda  
 Sr. Divl. Personnel Officer  
 प. र. मालदा, E. Rly., Malda.

## Technical Specification of Industrial RO Plant

SN	Technical Parameters	Minimum Requirement
1	RO recovery range	50-75%
2	Output Capacity	500 ltr/hour
3	Purified Water Storage Capacity	1000 ltrs
4	Water Tap	04 (With anti-theft metal housing with padlock)
5	<b>RAW WATER PUMP</b>	
	Purpose	Used for feeding water to Pressure/Dual media filter at pressure more than 2.0 bar
	Material of Construction	Cast Iron
	Type	Horizontal Centrifugal
	Make	Kirloskar or Similar
	Qty.	01 no.
6	<b>SAND MEDIA FILTER</b>	
	Purpose	Used for removing total suspended solids & dirt, which can foul the membranes.
	Material of Construction	Fibre Reinforced Plastic (FRP) 13/54
	Media	Mixture of Gravel, Pebbles, Quartz Sand & Anthracite
	Porosity	50 micron Particulate Size
	Qty.	01 no.
7	<b>ACTIVATED CARBON FILTER</b>	
	Purpose	Used for removing total bad smell, toxic organic compounds from water.
	Material of Construction	Fibre Reinforced Plastic (FRP) 13/54
	Media	Carbon (Made of coconut shell) & others
	Qty.	01 no.
8	<b>DOSING SYSTEM</b>	
	Purpose	Used for dosing Antiscalant Chemical to protect the scaling on RO Membranes.
	Material of Construction	High-density polyethylene (HDPE)
	Operation	Automatic
	Qty.	01 no.
9	<b>MICRON FILTER</b>	
	Purpose	Used to remove the fine particles up to 05 microns and reduce silt density index level. It has two parts. 1. Cartridge/Filter Container 2. Cartridge
	1. Cartridge Housing	20" Jumbo Housing
	Material of Construction	Fibre Reinforced Plastic (FRP) 13/54
	Qty.	02 nos.
	Capacity	More than 500 ltr/Hour
	2. Cartridge	
	Material of Construction	Polypropylene
	Type	02 nos.
	Capacity	More than 500 ltr/Hour
10	<b>Iron Removal Filter</b>	
	Material of Construction	Fibre Reinforced Plastic (FRP) 13/54
	Type	Vertical
11	<b>High Pressure Pump</b>	
	Purpose	Used for feed water to the Reverse Osmosis Membrane.
	Material of Construction	Stainless Steel
	Type	Vertical
	Qty.	01 no.
	Make	CRI or Similar
12	<b>RO Membrane</b>	
	Purpose	To remove the major part of TDS upto 98%
	Type	Spiral Wound
	Qty.	02 nos.
	Salt Rejection per Membrane	98-99%
	Make	DOW or Similar
13	<b>RO Pressure Tube</b>	
	Purpose	To pack Reverse Osmosis Membranes and at high pressure up to 300 psi.
	Material of Construction	Stainless Steel
	Type	Horizontal
	Qty.	02 nos.
	Salt Rejection per Membrane	98-99%
	Make	DOW or Similar
		01 Year + 3 years AMC
14	<b>Warranty</b>	
15	<b>Servicing</b>	Quarterly.

NOTE: Material not mentioned above but required to be borne by the agency without any extra cost.

Indy'

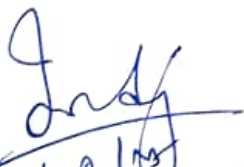
वरिष्ठ मंडल कार्यालय अधिकारी  
Sr. Divl. Personnel Officer  
पू. रे. मालदा, E. Rly., Malda

Tender Ref. No:.....  
 Name of Bidder: .....  
 Complete office address of Bidder: .....

Name of Work: " Supply, Installation, testing & commissioning of Industrial RO Plant (500 L/H), with warranty of 01 year at Eastern Railway High School, Sahibganj along with AMC."

SN	Description of Item	Quantity	Unit	Rate in Rs.	Amount in Rs.
1	Supply, Installation, testing & commissioning of Industrial RO Plant (500 L/H), make Aqua care plus or similar with warranty of 01 year at Eastern Railway High School, Sahibganj complete in all respect at Eastern Railway High School, Sahibganj, Jharkhand as per specification of Annexure-A. All accessories and fittings will be supplied by the contractor without any extra cost. If any other material required for this work and not mentioned also have to be borne by the contractor. No extra charge will be paid. (Rate inclusive of all taxes, GST, transportation, loading, unloading & all incidental charges etc.)	01	No.	Rs. 2,36,000.00	Rs. 2,36,000.00
2	Annual Maintenance and Servicing of 01 no. Industrial RO Plant (500 L/H) at Eastern Railway High School, Sahibganj for 03 years. It will start after completion of 01 year warranty period as mentioned in serial no. 01. (Rate inclusive of all taxes, GST, transportation, loading, unloading & all incidental charges etc.)	01	01 No. For 03 years	Rs. 2,40,000.00	Rs. 2,40,000.00
				Rs. 4,76,000.00	Rs. 4,76,000.00
<b>Rate to be quoted on Assessed cost of Schedule :</b> <b>For item No. 01 = Rs. 2,36,000.00</b> <b>For item No. 02 = Rs. 2,40,000.00</b> <b>Total = Rs. 4,76,000.00</b>		<b>Rate to be quoted in figure &amp; words here</b>			
		Rate to be quoted here for SI. No. 1:			
		Rate to be quoted here for SI. No. 2:			
		Total=			

Name & Signature of the bidder with stamp

  
 बख्श/मंडल कार्षिक अधिकारी  
 Sr. Divl. Personnel Officer  
 पू. रे.मालदा, E. Rly., Malda.



## Technical Compliance Sheet

- 1) Tender Ref. No:.....  
 2) Name of Bidder: .....  
 3) Complete office address of Bidder: .....  
 4) Confirmation of acceptance of Technical Specifications for the supply:

Technical Specification of Industrial RO Plant				
SN	Technical Parameters	Minimum Requirement	Acceptance to the Specification as placed at Annexure-A and agreed to supply with required Quantity (write YES/ NO only)	If marked "NO" in the column before, specify the deviation in specification of the Desktop Computers offered for the supply.
1	RO recovery range	50-75%		
2	Output Capacity	500 ltr/hour		
3	Purified Water Storage Capacity	1000 ltrs		
4	Water Tap	04 (With anti-theft metal housing with padlock)		
5	<b>RAW WATER PUMP</b>			
	Purpose	Used for feeding water to Pressure/Dual media filter at pressure more than 2.0 bar		
	Material of Construction	Cast Iron		
	Type	Horizontal Centrifugal		
	Make	Kirloskar or Similar		
	Qty.	01 no.		
6	<b>SAND MEDIA FILTER</b>			
	Purpose	Used for removing total suspended solids & dirt, which can foul the membranes.		
	Material of Construction	Fibre Reinforced Plastic (FRP) 13/54		
	Media	Mixture of Gravel, Pebbles, Quartz Sand & Anthracite		
	Porosity	50 micron Particulate Size		
	Qty.	01 no.		
7	<b>ACTIVATED CARBON FILTER</b>			
	Purpose	Used for removing total bad smell, toxic organic compounds from water.		
	Material of Construction	Fibre Reinforced Plastic (FRP) 13/54		
	Media	Carbon (Made of coconut shell) & others		
	Qty.	01 no.		
8	<b>DOSING SYSTEM</b>			
	Purpose	Used for dosing Antiscalant Chemical to protect the scaling on RO Membranes.		
	Material of Construction	High-density polyethylene (HDPE)		
	Operation	Automatic		
	Qty.	01 no.		
9	<b>MICRON FILTER</b>			
	Purpose	Used to remove the fine particles up to 05 microns and reduce silt density index level. It has two parts. 1. Cartridge/Filter Container 2. Cartridge		
	1. Cartridge Housing	20" Jumbo Housing		
	Material of Construction	Fibre Reinforced Plastic (FRP) 13/54		
	Qty.	02 nos.		
	Capacity	More than 500 ltr/Hour		
	2. Cartridge			
	Material of Construction	Polypropylene		
	Type	02 nos.		
	Capacity	More than 500 ltr/Hour		
10	<b>Iron Removal Filter</b>			
	Material of Construction	Fibre Reinforced Plastic (FRP) 13/54		
	Type	Vertical		

Signature with Stamp of the Bidder


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 Sr. Personnel Officer  
 प. र. मालदा, E. Rly., Malda.

<b>11</b>	<b>High Pressure Pump</b>		
	Purpose	Used for feed water to the Reverse Osmosis Membrane.	
	Material of Construction	Stainless Steel	
	Type	Vertical	
	Qty.	01 no.	
	Make	CRI or Similar	
<b>12</b>	<b>RO Membrane</b>		
	Purpose	To remove the major part of TDS upto 98%	
	Type	Spiral Wounded	
	Qty.	02 nos.	
	Salt Rejection per Membrane	98-99%	
	Make	DOW or Similar	
<b>13</b>	<b>RO Pressure Tube</b>		
	Purpose	To pack Reverse Osmosis Membranes and at high pressure up to 300 psi.	
	Material of Construction	Stainless Steel	
	Type	Horizontal	
	Qty.	02 nos.	
	Salt Rejection per Membrane	98-99%	
	Make	DOW or Similar	
<b>14</b>	<b>Warranty</b>	01 Year + 3 years AMC	
<b>15</b>	<b>Servicing</b>	Quarterly.	
NOTE: Material not mentioned above but required to be borne by the agency without any extra cost.			

**Make:**

**Model:**

**Signature with Stamp of the Bidder**


  
 वरिष्ठ मंडल कार्यालय अधिकारी  
 Sr. Divl Personnel Officer  
 पू. रे. मालदा, E. Riv., Malda.

Declaration:-

I/We hereby declare that I/We possess the valid Labour License as applicable as per Contract Labour(Regulation-Abolition) Act 1970 & Do hereby ensure to pay the minimum wages to the workers as per notification issued time to time by the central/State Govt. under the Minimum Wages Act, 1948 & also bear the responsibility to comply with all other social security schemes of the Ministry of Labour & Employment as per relevant provisions of the respective Acts/Rules such as EPF, ESI, Bond etc. I/We do also declare that,

- a) I/We shall comply with all the provisions of Contract Labour (Regulation – Abolition) Act, 1970 and the Railway shall suffer no loss or damage for violations of its provisions.
- b) The labour/ workmen that shall be engaged by me/us to perform the work shall only be called the employee of the Contractor and shall have no link with the Railway Department. Those labours shall not be entitled for any Railway benefit.
- c) Railway Administration shall accept no responsibility for claims under the workmen's Compensation Act & loss suffered by the Contractor thereof.
- d) I/WE do hereby declare that: I/We will be bound to comply with the provision of Apprentices Act-1961.
- e) I/WE do hereby declare that: I/We will be bound to comply with the provision of Payment of Wages Act- 1936.
- f) I/WE do hereby declare that: I/We will be bound to comply with the provision of Contract Labour (Regulation & Abolition) Act, 1970.
- g) I/WE do hereby declare that I/We will be bound to comply with the provision of Workmen's Compensation Act-1923.
- h) I/WE do hereby declare that I/We will be bound to comply with the provision of Factories Act-1948.
- i) IWE do hereby declare that I/We will be bound to comply with the provision of Minimum Wages Act-1948.
- j) I/WE do hereby declare that I/We will be bound to comply with the provision of Employees Provident Fund and Miscellaneous Provisions Act-1952.
- k) I/WE do hereby declare that I/We will be bound to comply with the provision of Employees State Insurance Act-1948.
- l) I/WE do hereby declare that no Chinese product will be utilized for this work.

**Signature with Stamp of the Bidder**

  
वरिष्ठ मंडली कार्यालय अधिकारी  
Sr. Divl. Personnel Officer  
पू. रे. मालदा, E. Rly., Malda.