

### Bid Document

Bid Details	
Bid End Date/Time	27-07-2020 16:00:00
Bid Opening Date/Time	27-07-2020 16:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Railways
Department Name	Na
Organisation Name	N/a
Office Name	South Eastern Railway
Total Quantity	2
Item Category	Potable water purification system Reverse Osmosis or UV based
Experience Criteria	2 Year (s)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Experience Criteria,Certificate (Requested in ATC),OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	No
Inspection Required	No

### EMD Detail

Required	No
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### ePBG Detail

Required	No
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### Splitting

Bid splitting not applied.

1. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of years as indicated in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

## Potable Water Purification System Reverse Osmosis Or UV Based ( 2 pieces )

### Technical Specifications

\* As per GeM Category Specification

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Standards	<b>Certification for the product</b>	WQA	WQA
	Certification number and date	-	*
	<b>Manufacturers Quality System Certifications</b>	ISO 9001:2015	ISO 9001:2015
	<b>Manufacturers Environment Management System Certifications</b>	ISO 14001:2004	ISO 14001:2004
	<b>Manufacturers Health and Safety Management System Certifications</b>	ISO 18001:2007	ISO 18001:2007
Performance Parameters	<b>Maximum Input Water TDS allowed to the system</b>	2000	2000
	<b>Type of water purification technology</b>	RO +UV	RO +UV
	Aavailability of sediment and activated carbon filter	Yes	*
	<b>Operation</b>	Fully automatic with auto cut off	Fully automatic with auto cut off
	<b>Ultraviolet (UV) LAMP</b>	Yes	Yes
	<b>Conformity to Standard for Ultraviolet system</b>	IS 14724 (latest) for water purification system with Ultraviolet disinfection	IS 14724 (latest) for water purification system with Ultraviolet disinfection
	"Ultra Voilet (UV) Lamp power in watts (Hint put zero in case UV is not available)"	48	*
	<b>Recovery at 27 degree Centigrade</b>	30-40	30-40
	Output Water Conforming standard	IS 10500 (latest)	*
	<b>Filtration Capacity in liter/ hour</b>	25	25
	<b>Provision of Arsenic removal</b>	Yes	Yes
	<b>Provision of Floride removal</b>	Yes	Yes
	<b>Provision of Chloride removal</b>	Yes	Yes
	<b>Alkaline filter</b>	Yes	Yes
	<b>Storage tank</b>	Inbuilt	Inbuilt

<b>Type of out put water Storage Tank</b>	ABS Food Grade	ABS Food Grade
<b>Storage Tank Capacity (storage tank external for higher capacity if required to be arranged by buyer)</b>	10ltr	10ltr
<b>Minimum inlet pressure</b>	0.3 KG/CM2	0.3 KG/CM2
Maximum inlet pressure	3.5 KG/CM2	*
<b>Maximum inlet temperature</b>	35 DEGREE	35 DEGREE
<b>Digital display</b>	No	No
<b>Real time TDS display</b>	No	No
<b>Real time pH Display</b>	No	No
<b>High pressure pump</b>	No	No
<b>Raw water/Chemical Raw water/Chemical Cleaning PUMP</b>	Yes	Yes
<b>Micron Filter</b>	Yes	Yes
<b>Total Dissolved Solids Removal Percentage from RO Membrane</b>	90%	90%
<b>Particulate Filter Porosity</b>	10 Micro	10 Micro
<b>Pressure vessel Sand Filter</b>	Yes	Yes
<b>Pressure vessel carbon Filter</b>	Yes	Yes
<b>Pressure Vessel Dual Media Filter</b>	Yes	Yes
<b>Membrane Housing</b>	Yes	Yes
<b>Body of filter</b>	ABS Food grade	ABS Food grade
<b>Auto cut</b>	Yes	Yes
<b>Number of candles</b>	3	3
<b>Power supply</b>	230 Volt single phase	230 Volt single phase
<b>Installation Type</b>	Wall mounted	Wall mounted
Miscellaneous Parameters	<b>Warranty in years including replacement of filters Sediment &amp; carbon twice a year)</b>	1
	<b>Warranty in years free replacement of machine</b>	1
	<b>Antiscalant- where silica is up to 10 ppm/where Mica is up to 100 ppm</b>	Yes
	<b>Availability of type test Test REPORT for Filtering Size of micron Particles</b>	Yes
	TYPE Test certificate No and date for Filtering Size of micron Particles	-

Name and Address of laboratory which conducted Test for Filtering Size of micron Particles:	-	*
Availability of type Test Report on Microbial Efficacy from Govt/NABL/ilac Lab	-	*
Type Test certificate No and date for Microbial Efficacy	-	*
Name of the lab	-	*
<b>Availability of test report from Govt/NABL/ilac Lab (Design Evaluation Report as per IS:14724)</b>	Yes	Yes
Test certificate No and date	-	*
Name and Address of laboratory which conducted Test	-	*
Availability of test report from Govt/NABL/ilac Lab regarding water quality as per IS:10500	Yes	*
Type Test certificate No and date	-	*
Name and Address of laboratory which conducted type Test regarding water quality	-	*
Copies of certifications and reports to be given to buyer at time of supplies	Yes	*
User/Technical/Maintenance manuals to be supplied in English in hard and soft copy	Yes	*
<b>Availability of toll free centers for customer support</b>	Yes	Yes
<b>Installation and Commissioning inclusive in the scope of Supply*</b>	Yes	Yes
<b>Availability of NABL Accredited Laboratory Facility with OEM</b>	Yes	Yes
Name and Address of NABL Accredited lab with OEM , If Not available put NA	-	*
<b>Inlet Pipe &amp; Fitting from raw water sources to water purification system</b>	suitable pipe and fitting to be provided by seller up to 15 feet	suitable pipe and fitting to be provided by seller up to 15 feet
<b>Pipe &amp; Fitting from Out let to purified water tank</b>	Not applicable	Not applicable
Electrical fitting and plug points	To be arranged by buyer /consignee	*
Scope Civil Work if any	All Civil work shall be	*

required during installation	responsibility of buyer
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\* Specifications highlighted in bold are the Golden Parameters.

\* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

## Additional Specification Documents

### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Sanjeet Kumar Singh	831002,OFFICE OF THE SSEE/G/TATA, BESIDE RAILWAY STATION 2ND ENTRY GATE, TATANAGAR, JAMSHEDPUR.	2	45

## Bid Specific Additional Terms and Conditions

- 1.Upload Manufacturer authorization:** Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.
- 2.Experience Criteria:** The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for 2 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.
- 3.Malicious Code Certificate:**  
  
The seller should upload following certificate in the bid:-  
(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-  
(i) Inhibit the desires and designed function of the equipment.  
(ii) Cause physical damage to the user or equipment during the exploitation.  
(iii) Tap information resident or transient in the equipment/network.  
(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.
- 4.Scope of supply (Bid price to include all cost components) :** Supply Installation Testing and Commissioning of Goods
- 5.Bid reserved for Make In India products:** Procurement under this bid is reserved for purchase from Class 1 local suppliers as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a class 1 local supplier is denoted in the bid document 50%. All bidders must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which the bid is liable to be rejected. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020 . In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.
- 6.Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.**
- 7.The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.**
- 8.Availability of Service Centres:** Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.
- 9.Dedicated /toll Free Telephone No. for Service Support :** BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

[This Bid is also governed by the General Terms and Conditions](#)

**---Thank You---**