

### Bid Document

Bid Details	
Bid End Date/Time	23-07-2020 15:00:00
Bid Opening Date/Time	23-07-2020 15:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Railways
Department Name	Na
Organisation Name	N/a
Office Name	Office Of Principal Chief Materials Manager, South Western Railway, Hubli
Total Quantity	2
Item Category	Potable water purification system Reverse Osmosis or UV based
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Certificate (Requested in ATC) *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.

## 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>	NA	NA
	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>	1000	1000
	<b>Type of water purification technology</b>	RO +UV	RO+UV+UF, RO+UV+UF+Alkaline, R0+UV+Alkaline, RO +UV
	Aavailability of sediment and activated carbon filter	Yes	*
	<b>Operation</b>	Semi Automatic with External Auto Cut Off	Fully automatic with auto cut off, Semi Automatic with External 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)"	8	*

<b>Recovery at 27 degree Centigrade</b>	25-35	25-35
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>	No	Yes, No
<b>Storage tank</b>	Not available	Not available
<b>Type of out put water Storage Tank</b>	NA	NA
<b>Storage Tank Capacity (storage tank external for higher capacity if required to be arranged by buyer)</b>	NA	NA
<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>	Yes	Yes
<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>	No	No

Miscellaneous Parameters	<b>Pressure vessel carbon Filter</b>	No	No
	<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
	<b>Warranty in years including replacement of filters Sediment &amp; carbon twice a year)</b>	1	1
	<b>Warranty in years free replacement of machine</b>	1	1
	<b>Antiscalant- where silica is up to 10 ppm/where Mica is up to 100 ppm</b>	Yes	Yes
	<b>Availability of type test Test REPORT for Filtering Size of micron Particles</b>	No	No
	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>	No	No

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>	No	No
<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>	to be arranged by buyer/consignee	to be arranged by buyer/consignee
<b>Pipe &amp; Fitting from Out let to purified water tank</b>	To be arranged by buyer /consignee	To be arranged by buyer /consignee
Electrical fitting and plug points	To be arranged by buyer /consignee	*
Scope Civil Work if any required during	All Civil work shall be responsibility of buyer	*

installation

\* 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	Digvijay M Singh	560009,O/o Divisional Railway Manager, Office Complex, South Western Railway Divisional Office, Bangalore.	2	30

### Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)
2. 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.
3. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
4. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
5. 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.
6. Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.
7. Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 5 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG).Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

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

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