

Bid Document

Bid Details	
Bid End Date/Time	24-07-2020 11:00:00
Bid Opening Date/Time	24-07-2020 11:30:00
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	Eastern Railway
Total Quantity	2
Item Category	Potable water purification system with inbuilt water cooler.
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), OEM Authorization Certificate, OEM Annual Turnover *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	Yes
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 With Inbuilt Water Cooler. (2 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Standard Parameter	Certification for the product	NA	NA
	Certification No and Date	-	*
	Manufacturers Quality System Certifications	-	*
	Manufacturers Environment Management System Certifications	-	*
	Manufacturers Health and Safety Management System Certifications	-	*
	Conformity to Standard for Ultraviolet system	IS 14724 (latest) for water purification system with Ultraviolet disinfection	IS 14724 (latest) for water purification system with Ultraviolet disinfection
	Output Water Conforming standard	IS 10500 (latest)	*
Performance Parameter	Type of water purification technology	UV	UV
	Power consumptions of system (with $\pm 5\%$ tolerance) (in watt)	575	575
	Maximum Input Water TDS allow to the system	1000	1000
	Input water hardness	500 ppm or less	*
	Input water pH	6.5 to 8.5	*
	Input water chlorine	0.2 ppm	*
	Input water iron	0.2 ppm	*
	Input water turbidity	Less than 5 NTU	*
	Operation mode	Fully automatic with auto cut off	Fully automatic with auto cut off
	Availability of sediment	Yes	*

and activated carbon filter		
Ultraviolet (UV) LAMP	Yes	Yes Or higher
Ultraviolet (UV) Lamp power in watts (Hint put zero in case UV is not available)	11	*
Provision of Arsenic removal	No	Yes, No Or higher
Provision of Fluoride removal	No	Yes, No Or higher
Provision of Chloride removal	no	Yes, no Or higher
Alkaline filter	No	Yes, No Or higher
Storage tank	not applicable	*
Material of water Storage Tank	NA	NA
Storage tank capacity up to float valve level (in liter)	Storage tank arranged by buyer	Storage tank arranged by buyer
Stages of purification	3	*
No of RO Membranes provided	0	*
RO Membrane rating	NA	NA
RO Membrane flushing	NA	NA
No of Particulate filter provided	1	*
Particulate Filter size	10 inch	10 inch
Particulate Filter Porosity	5 micron	5 micron
No of Activated Carbon filter provided	1	*
Activated Carbon filter Size	10 Inch	10 Inch
No of Antiscalant filter provided	0	*
Antiscalant- where silica is up to 10 ppm/where Mica is up to 100 ppm	No	Yes, No Or higher
Nano Silver leaching filtration	No	Yes, No Or higher

	Minimum inlet pressure	0.6 KG/CM2	0.6 KG/CM2
	Maximum inlet pressure	3.5 KG/CM2	*
	Maximum Inlet water temperature	40 degree celsius	*
	Digital display	No	Yes, No Or higher
	Real time TDS display	No	Yes, No Or higher
	Real time pH Display	No	Yes, No Or higher
	High pressure pump	No	Yes, No Or higher
	Raw water/Chemical Raw water/Chemical Cleaning pump	No	Yes, No Or higher
	Recovery percentage at 27 degree centigrade	90-100	90-100
	Filtration water capacity in liter/ hour	120	120
	TDS removal percentage from RO Membrane	NA for uv only	NA for uv only
	Pressure vessel Sand Filter	No	Yes, No Or higher
	Pressure vessel Carbon Filter	No	Yes, No Or higher
	Pressure Vessel Dual Media Filter	No	Yes, No Or higher
	Body of filter	ABS Food grade	ABS Food grade
	Membrane Housing	No	Yes, No Or higher
	Number of candles	3	3
Cooler Parameters	Type of compressor	Reciprocating	Reciprocating
	Refrigerant Used	HFC-R-134/A	HFC-R-134/A
	Refrigeration temperature	15 to 17	15 to 17
	Type of Condenser	Fin type/tube type	*
	Evaporator material	Cooper	*
	Water Storage tank insulation	PUF thermal insulation	*
	Provision for Hot water	No	Yes, No Or higher
	Number of Cold Water Faucets	1	1

Number of Normal Water Faucets	1	1
Number of Hot Water Faucets	Na	Na
Water flow rate through Faucets(in liter per hour)	50	*
Cooling capacity at comfort level (17 ± 1 degree celsius) (in liter per hour)	40	40
Installation Type	Floor Mounted and Enclosed	Floor Mounted and Enclosed
Power supply	SINGLE PHASE (230 ± 10 % VOLT,%0 Hz)	SINGLE PHASE (230 ± 10 % VOLT,%0 Hz)
Maximum running current in ampere at rated condition	4.5 ± 10 %	*
Warranty in years including electronic ,electric parts, replacement of filters twice a year)	NA	NA
Warranty period without Filter , electronic and electrical parts	Na	Na
Warranty period without Filter & inclusive of electronic and electrical parts	1	1
Availabilty of type test Test REPORT for Filtering Size of Particles	Yes	Yes Or higher
TYPE Test certificate No and date for Filtering Size of Particles	-	*
Name and Address of laboratory which conducted Test for Filtering Size of Particles:	-	*
Availability of Test Report on Microbial Efficacy from Govt/NABL/ilac Lab	Yes	Yes Or higher
Test certificate No and date for Microbial	-	*

Efficacy		
Name of the lab for Microbial Efficacy	-	*
Avaiability of type test certificate from NABL/ILAC Lab design evaluation report as per IS 14724	Yes	Yes Or higher
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	*
Availability of toll free centres for customer support	Yes	Yes Or higher
Installation and Commissioning inclusive in the scope of Supply*	Yes	Yes Or higher
Availability of NABL Accredited Laboratory Facility with OEM	Yes	Yes Or higher
Name and Address of NABL Accredited lab with OEM , If Not available put NA	-	*
Inlet Pipe & Fitting from raw water scorces to water purification system	to be arranged by buyer / consignee	to be arranged by buyer / consignee
Pipe & Fitting from Out let to purified water tank	To be arranged by buyer /consignee	To be arranged by buyer /consignee
Pipe and pipe fitting material	PVC	*
Electrical fitting and plug points	To be arranged by buyer /consignee	To be arranged by buyer /consignee
ISI marked Electronic and electrical parts provided	No	Yes, No Or higher
Open installation of Water pipe fitting and waste water pipe line	Yes	*

	fitting provided		
	Scope Civil Work if any required during installation	All Civil work shall be responsibility of buyer	All Civil work shall be responsibility of buyer

* 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	Prakash Chand Meena	711101,DRM Building Eastern Railway Howrah	2	15

Bid Specific Additional Terms and Conditions

1. 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.
2. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
3. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
4. ISO 9001: The bidder must have ISO 9001 certification.
5. Procurement under this bid is reserved for purchase from Micro and Small Enterprises whose credentials are validated online through Udyog Aadhaar for that product category. If the bidder wants to avail the reservation benefit, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service.
6. Purchase preference to Micro and Small Enterprises (MSEs) from the State of Bid Inviting Authority : Purchase preference will be given to MSEs as Micro and Small Enterprises from the State of Bid inviting Authority whose credentials are validated online through Udyog Aadhaar for that product category. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15 % of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 20% of total value as defined/ decided in relevant policy.

7. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 20% of total value.
8. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
9. 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 3 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---