

### Bid Document

Bid Details	
Bid End Date/Time	20-07-2020 14:00:00
Bid Opening Date/Time	20-07-2020 14:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence Production
Organisation Name	Indian Ordnance Factories
Office Name	*****
Total Quantity	5
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	Experience Criteria,Past Performance,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
Past Performance	50 %
Bid to RA enabled	No
Inspection Required	No
Estimated Bid Value	300000

### EMD Detail

Required	No
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### ePBG Detail

Required	No
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### Splitting

Bid splitting not applied.

1. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 50% of bid quantity, in at least one of the last three years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one year) to be submitted along with bid in support of quantity supplied in the relevant year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

## **Potable Water Purification System With Inbuilt Water Cooler. ( 5 pieces )**

### **Technical Specifications**

\* As per GeM Category Specification

<b>Specification</b>	<b>Specification Name</b>	<b>Values</b>	<b>Bid Requirement (Allowed Values)</b>
Standard Parameter	<b>Certification for the product</b>	CE	CE
	Certification No and Date	-	*
	Manufacturers Quality System Certifications	-	*
	Manufacturers Environment Management System Certifications	-	*
	Manufacturers Health and Safety Management System Certifications	-	*
	<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
	Output Water Conforming standard	IS 10500 (latest)	*
Performance Parameter	<b>Type of water purification technology</b>	RO +UV	RO +UV
	<b>Power consumptions of system (with <math>\pm</math> 5% tolerance) (in watt)</b>	575	575
	<b>Maximum Input Water TDS allow to the system</b>	2000	1000, 2000

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	*
<b>Operation mode</b>	Fully automatic with auto cut off	Fully automatic with auto cut off
Availability of sediment and activated carbon filter	Yes	*
<b>Ultraviolet (UV) LAMP</b>	Yes	Yes Or higher
Ultraviolet (UV) Lamp power in watts (Hint put zero in case UV is not available)	16	*
<b>Provision of Arsenic removal</b>	Yes	Yes Or higher
<b>Provision of Fluoride removal</b>	Yes	Yes Or higher
<b>Provision of Chloride removal</b>	Yes	Yes Or higher
<b>Alkaline filter</b>	No	Yes, No Or higher
Storage tank	In-built	*
<b>Material of water Storage Tank</b>	Stainless Steel SS 304	Stainless Steel SS 304
<b>Storage tank capacity up to float valve level (in liter)</b>	80	50, 80
Stages of purification	7	*
No of RO Membranes provided	4	*
<b>RO Membrane rating</b>	80 GPD	80 GPD, 100 GPD
<b>RO Membrane flushing</b>	Auto flush at every start,every stop and every one hour for 1 minutes	Auto flush at every start,every stop and every one hour for 1 minutes
No of Particulate filter provided	1	*
<b>Particulate Filter size</b>	10 inch	10 inch
<b>Particulate Filter Porosity</b>	5 micron	5 micron
No of Activated Carbon filter provided	2	*

	<b>Activated Carbon filter Size</b>	10 Inch	10 Inch
	No of Antiscalant filter provided	1	*
	<b>Antiscalant- where silica is up to 10 ppm/where Mica is up to 100 ppm</b>	Yes	Yes Or higher
	<b>Nano Silver leaching filtration</b>	No	Yes, No Or higher
	<b>Minimum inlet pressure</b>	0.3 KG/CM2	0.3 KG/CM2
	Maximum inlet pressure	3.5 KG/CM2	*
	Maximum Inlet water temperature	35 degree celsius	*
	<b>Digital display</b>	No	Yes, No Or higher
	<b>Real time TDS display</b>	No	Yes, No Or higher
	<b>Real time pH Display</b>	No	Yes, No Or higher
	<b>High pressure pump</b>	Yes	Yes Or higher
	<b>Raw water/Chemical Raw water/Chemical Cleaning pump</b>	Yes	Yes Or higher
	<b>Recovery percentage at 27 degree centigrade</b>	25-35	25-35, 70-80
	<b>Filtration water capacity in liter/ hour</b>	50	50
	<b>TDS removal percentage from RO Membrane</b>	90%	90%
	<b>Pressure vessel Sand Filter</b>	No	Yes, No Or higher
	<b>Pressure vessel Carbon Filter</b>	No	Yes, No Or higher
	<b>Pressure Vessel Dual Media Filter</b>	No	Yes, No Or higher
	<b>Body of filter</b>	ABS Food grade	ABS Food grade
	<b>Membrane Housing</b>	Yes	Yes Or higher
	<b>Number of candles</b>	6 or more	6 or more
Cooler Parameters	<b>Type of compressor</b>	Reciprocating	Reciprocating
	<b>Refrigerant Used</b>	HFC-R-134/A	HFC-R-134/A
	<b>Refrigeration</b>	15 to 17	15 to 17

<b>temperature</b>		
Type of Condenser	Fin type/tube type	*
Evaporator material	Cooper	*
Water Storage tank insulation	PUF thermal insulation	*
<b>Provision for Hot water</b>	No	Yes, No Or higher
<b>Number of Cold Water Faucets</b>	2	2
<b>Number of Normal Water Faucets</b>	NA	NA
<b>Number of Hot Water Faucets</b>	Na	Na
Water flow rate through Faucets( in liter per hour)	50	*
<b>Cooling capacity at comfort level (17 ± 1 degree celsius) (in liter per hour)</b>	60	60
<b>Installation Type</b>	Floor Mounted	Floor Mounted
<b>Power supply</b>	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 %	*
<b>Warranty in years including electronic ,electric parts, replacement of filters twice a year)</b>	1	1
<b>Warranty period without Filter , electronic and electrical parts</b>	1	1
<b>Warranty period without Filter &amp; inclusive of electronic and electrical parts</b>	1	1
Additional Parameters	<b>Availability of type test Test REPORT for Filtering Size of Particles</b>	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:		
<b>Availability of Test Report on Microbial Efficacy from Govt/NABL/ilac Lab</b>	Yes	Yes Or higher
Test certificate No and date for Microbial Efficacy	-	*
Name of the lab for Microbial Efficacy	-	*
<b>Avaiability of type test certificate from NABL/ILAC Lab design evaluation report as per IS 14724</b>	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	*
<b>Availability of toll free centres for customer support</b>	No	Yes, No Or higher
<b>Installation and Commissioning inclusive in the scope of Supply*</b>	Yes	Yes Or higher
<b>Availability of NABL Accredited Laboratory Facility with OEM</b>	Yes	Yes Or higher
Name and Address of NABL Accredited lab with OEM , If Not available put NA	-	*
<b>Inlet Pipe &amp; Fitting from raw water scources 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
Pipe and pipe fitting	PVC	*

	material		
	<b>Electrical fitting and plug points</b>	To be arranged by buyer /consignee	To be arranged by buyer /consignee
	<b>ISI marked Electronic and electrical parts provided</b>	Yes	Yes Or higher
	Open installation of Water pipe fitting and waste water pipe line fitting provided	Yes	*
	<b>Scope Civil Work if any required during installation</b>	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	*****	*****JABALPUR	5	60

#### Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
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.

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

---Thank You---