

### Bid Document

Bid Details	
Bid End Date/Time	27-07-2020 13:00:00
Bid Opening Date/Time	27-07-2020 13:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Steel
Department Name	Na
Organisation Name	N/a
Office Name	Kiocl Limited/ Bangalore
Total Quantity	2
Item Category	Potable water purification system with inbuilt water cooler.
Experience Criteria	1 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,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 With Inbuilt Water Cooler. ( 2 pieces )

### Technical Specifications

\* As per GeM Category Specification

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Standard Parameter	<b>Certification for the product</b>	NA	NA
	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>	UV	UV
	<b>Power consumptions of system (with <math>\pm</math> 5% tolerance) (in watt)</b>	1300	1300
	<b>Maximum Input Water TDS allow to the system</b>	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	*
	<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)	11	*
	<b>Provision of Arsenic removal</b>	No	Yes, No Or higher
	<b>Provision of Fluoride removal</b>	No	Yes, No Or higher
	<b>Provision of Chloride removal</b>	no	Yes, no 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>	25	25
Stages of purification	4	*
No of RO Membranes provided	0	*
<b>RO Membrane rating</b>	NA	NA
<b>RO Membrane flushing</b>	NA	NA
No of Particulate filter provided	1	*
<b>Particulate Filter size</b>	10 inch	10 inch
<b>Particulate Filter Porosity</b>	10 micron	10 micron
No of Activated Carbon filter provided	1	*
<b>Activated Carbon filter Size</b>	10 Inch	10 Inch
No of Antiscalant filter provided	0	*
<b>Antiscalant- where silica is up to 10 ppm/where Mica is up to 100 ppm</b>	No	Yes, No Or higher
<b>Nano Silver leaching filtration</b>	No	Yes, No Or higher
<b>Minimum inlet pressure</b>	0.6 KG/CM2	0.6 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>	No	Yes, No Or higher
<b>Raw water/Chemical Raw water/Chemical Cleaning pump</b>	No	Yes, No Or higher
<b>Recovery percentage at 27 degree centigrade</b>	90-100	90-100
<b>Filtration water capacity in liter/ hour</b>	100	100
<b>TDS removal percentage from RO Membrane</b>	NA for uv only	NA for uv only
<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>	No	Yes, No Or higher
Cooler Parameters	<b>Number of candles</b>	2	2
	<b>Type of compressor</b>	Reciprocating	Reciprocating
	<b>Refrigerant Used</b>	HFC-R-134/A	HFC-R-134/A
	<b>Refrigeration temperature</b>	15 to 17	15 to 17
	Type of Condenser	Fin type/tube type	*
	Evaporator material	Cooper	*
	Water Storage tank insulation	PUF thermal insulation	*
	<b>Provision for Hot water</b>	Yes	Yes Or higher
	<b>Number of Cold Water Faucets</b>	1	1
	<b>Number of Normal Water Faucets</b>	1	1
	<b>Number of Hot Water Faucets</b>	1	1
	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>	20	20
	<b>Installation Type</b>	Floor Mounted and Enclosed	Floor Mounted and Enclosed
	<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>	No	Yes, No 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</b>	Yes	Yes Or higher

<b>Efficacy from Govt/NABL/ilac Lab</b>		
Test certificate No and date for Microbial Efficacy	-	*
Name of the lab for Microbial Efficacy	-	*
<b>Availability of type test certificate from NABL/ILAC Lab design evaluation report as per IS 14724</b>	No	Yes, No 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>	No	Yes, No Or higher
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
Pipe and pipe fitting material	PVC	*
<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>	No	Yes, No 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	Kumaravelu Kathaiyan	575010,KIOCL LIMITED, PELLET PLANT UNIT, PANAMBUR, MANGALORE, PIN - 575 010	2	15

### **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)

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

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