

### Bid Document

Bid Details	
Bid End Date/Time	09-07-2020 11:00:00
Bid Opening Date/Time	2020-07-09 11:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Heavy Industries And Public Enterprises
Department Name	Department Of Heavy Industry
Organisation Name	Cement Corporation Of India Limited (cci)
Office Name	Tandur
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
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 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>	WQA	WQA
	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>	775	775
	<b>Maximum Input Water TDS allow to the system</b>	2000	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)	2	*
<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	80
Stages of purification	3	*
No of RO Membranes provided	2	*
<b>RO Membrane rating</b>	75 GPD	75 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	2	*
<b>Particulate Filter size</b>	10 inch	10 inch
<b>Particulate Filter Porosity</b>	10 micron	10 micron
No of Activated Carbon filter provided	2	*
<b>Activated Carbon filter Size</b>	10 Inch	10 Inch
No of Antiscalant filter provided	2	*
<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>	Yes	Yes Or higher
<b>Minimum inlet pressure</b>	0.3 KG/CM2	0.3 KG/CM2
Maximum inlet	3.5 KG/CM2	*

	pressure		
	Maximum Inlet water temperature	40 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>	No	Yes, No Or higher
	<b>Recovery percentage at 27 degree centigrade</b>	30-40	30-40
	<b>Filtration water capacity in liter/ hour</b>	35	35
	<b>TDS removal percentage from RO Membrane</b>	90%	90%
	<b>Pressure vessel Sand Filter</b>	Yes	Yes Or higher
	<b>Pressure vessel Carbon Filter</b>	Yes	Yes Or higher
	<b>Pressure Vessel Dual Media Filter</b>	Yes	Yes Or higher
	<b>Body of filter</b>	MS Powder Coating	MS Powder Coating
	<b>Membrane Housing</b>	Yes	Yes Or higher
	<b>Number of candles</b>	3	3
Cooler Parameters	<b>Type of compressor</b>	Rotary	Rotary
	<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>	No	Yes, No Or higher
	<b>Number of Cold Water Faucets</b>	1	1
	<b>Number of Normal Water Faucets</b>	1	1
	<b>Number of Hot</b>	Na	Na

	<b>Water Faucets</b>		
	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>	40	40
	<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
	<b>Additional Parameters</b>		
	<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 Efficacy from Govt/NABL/ilac Lab</b>	No	Yes, No Or higher
	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>	Yes	Yes 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>	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</b>	All Civil work shall be responsibility of buyer	All Civil work shall be responsibility of buyer

	<b>installation</b>	
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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	Umesh Ranjan Behera	501158,Tandur Cement factory CCI Tandur Post Karankote PIN-501158	2	15

### **Bid Specific Additional Terms and Conditions**

1. OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.
2. Scope of supply (Bid price to include all cost components) : Only supply of Goods
3. ISO 9001: The bidder must have ISO 9001 certification.
4. 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.

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

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