

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	8
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. (8 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Standard Parameter	Certification for the product	WQA	CE, WQA, NSF, 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, NA if UV not provided
	Output Water Conforming standard	IS 10500 (latest)	*
Performance Parameter	Type of water purification technology	RO	RO, UV, RO +UV
	Power consumptions of system (with $\pm 5\%$ tolerance) (in watt)	775	300, 400, 575, 775, 950, 1300, 1550, 2200
	Maximum Input Water TDS allow to the system	3000	1000, 2000, 3000
	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, Semi Automatic with External Auto Cut Off
	Availability of sediment and activated carbon	Yes	*

filter		
Ultraviolet (UV) LAMP	No	Yes, No Or higher
Ultraviolet (UV) Lamp power in watts (Hint put zero in case UV is not available)	0	*
Provision of Arsenic removal	Yes	Yes, No Or higher
Provision of Fluoride removal	Yes	Yes, No Or higher
Provision of Chloride removal	Yes	Yes, no Or higher
Alkaline filter	No	Yes, No Or higher
Storage tank	In-built	*
Material of water Storage Tank	Stainless Steel SS 304	Stainless Steel SS 304, Clay Pot (Terracotta), Copper, ABS Food Grade, NA
Storage tank capacity up to float valve level (in liter)	150	10, 25, 50, 80, 120, 150, Storage tank arranged by buyer
Stages of purification	3	*
No of RO Membranes provided	2	*
RO Membrane rating	150 GPD	75 GPD, 80 GPD, 100 GPD, 150 GPD, NA
RO Membrane flushing	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, NA
No of Particulate filter provided	2	*
Particulate Filter size	20 inch	10 inch, 20 inch
Particulate Filter Porosity	20 micron	5 micron, 10 micron, 20 micron
No of Activated Carbon filter provided	2	*
Activated Carbon filter Size	20 Inch	10 Inch, 20 Inch
No of Antiscalant filter provided	2	*
Antiscalant- where silica is up to 10 ppm/where Mica is up to 100 ppm	No	Yes, No Or higher

	Nano Silver leaching filtration	Yes	Yes, No Or higher
	Minimum inlet pressure	0.3 KG/CM2	0.3 KG/CM2, 0.6 KG/CM2, 1 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	Yes	Yes, No Or higher
	Raw water/Chemical Raw water/Chemical Cleaning pump	No	Yes, No Or higher
	Recovery percentage at 27 degree centigrade	50-60	25-35, 30-40, 50-60, 70-80, 90-100
	Filtration water capacity in liter/ hour	150	25, 35, 50, 80, 100, 120, 150
	TDS removal percentage from RO Membrane	90%	25%, 50%, 75%, 90%, NA for uv only
	Pressure vessel Sand Filter	Yes	Yes, No Or higher
	Pressure vessel Carbon Filter	Yes	Yes, No Or higher
	Pressure Vessel Dual Media Filter	Yes	Yes, No Or higher
	Body of filter	Stainless Steel	ABS Food grade, MS Powder Coating, Stainless Steel
	Membrane Housing	Yes	Yes, No Or higher
	Number of candles	3	2, 3, 4, 5, 6 or more
Cooler Parameters	Type of compressor	Rotary	Rotary, Reciprocating
	Refrigerant Used	HFC-R-134/A	HFC-R-134/A, R22
	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	2	1, 2, 3, NA
Number of Normal Water Faucets	2	1, 2, 3, NA
Number of Hot Water Faucets	Na	1, 2, 3, Na
Water flow rate through Faucets(in liter per hour)	50	*
Cooling capacity at comfort level (17 ± 1 degree celsius) (in liter per hour)	80	10, 20, 40, 60, 80
Installation Type	Floor Mounted	Floor Mounted, Floor Mounted and Enclosed, wall mounted, under sink
Power supply	SINGLE PHASE (230 ± 10 % VOLT,%0 Hz)	SINGLE PHASE (230 ± 10 % VOLT,%0 Hz), Three phase (415 ± 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)	1	1, 2, 3, NA
Warranty period without Filter , electronic and electrical parts	1	1, 2, 3, Na
Warranty period without Filter & inclusive of electronic and electrical parts	1	1, 2, 3, NA
Availability of type test Test REPORT for Filtering Size of Particles	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:		
Availability of Test Report on Microbial Efficacy from Govt/NABL/ilac Lab	No	Yes, No 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	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	*
Availability of toll free centres for customer support	Yes	Yes, No Or higher
Installation and Commissioning inclusive in the scope of Supply*	Yes	Yes, no Or higher
Availability of NABL Accredited Laboratory Facility with OEM	No	Yes, No Or higher
Name and Address of NABL Accredited lab with OEM , If Not available put NA	-	*
Inlet Pipe & Fitting from raw water scources to water purification system	to be arranged by buyer / consignee	suitable pipe and fitting to be provided by seller up to 20 feet, to be arranged by buyer / consignee, Not applicable
Pipe & Fitting from Out let to purified water tank	To be arranged by buyer /consignee	to be arranged by seller (upto 20 feet), To be arranged by buyer /consignee, Not applicable

Pipe and pipe fitting material	PVC	*
Electrical fitting and plug points	To be arranged by buyer /consignee	To be arranged by buyer /consignee, To be arranged by seller
ISI marked Electronic and electrical parts provided	Yes	Yes, No Or higher
Open installation of Water pipe fitting and waste water pipe line fitting provided	Yes	*
Scope Civil Work if any required during installation	All Civil work shall be responsibility of buyer	All Civil work shall be responsibility of buyer, All Civil work shall be responsibility of Seller

* 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	8	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---