

Bid Document

Bid Details	
Bid End Date/Time	24-07-2020 18:00:00
Bid Opening Date/Time	24-07-2020 18:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Science And Technology
Department Name	Department Of Scientific And Industrial Research (dsir)
Organisation Name	Council Of Scientific And Industrial Research (csir)
Office Name	Csir-ccmb Hyderabad
Total Quantity	3
Item Category	Potable water purification system with inbuilt water cooler.
Experience Criteria	1 Year (s)
MSE Exemption for Years Of Experience	Yes
Startup Exemption for Years Of Experience	Yes
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. (3 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Standard Parameter	Certification for the product	CE	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
	Output Water Conforming standard	IS 10500 (latest)	*
Performance Parameter	Type of water purification technology	RO +UV	RO +UV
	Power consumptions of system (with \pm 5% tolerance) (in watt)	575	300, 400, 575, 775, 950, 1300, 1550, 2200
	Maximum Input Water TDS allow to the system	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	*
Operation mode	Fully automatic with auto cut off	Fully automatic with auto cut off
Availability of sediment and activated carbon filter	Yes	*
Ultraviolet (UV) LAMP	Yes	Yes Or higher
Ultraviolet (UV) Lamp power in watts (Hint put zero in case UV is not available)	16	*
Provision of Arsenic removal	Yes	Yes Or higher
Provision of Fluoride removal	Yes	Yes Or higher
Provision of Chloride removal	Yes	Yes 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
Storage tank capacity up to float valve level (in liter)	80	80
Stages of purification	7	*
No of RO Membranes provided	4	*
RO Membrane rating	80 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	1	*
Particulate Filter size	10 inch	10 inch, 20 inch
Particulate Filter Porosity	5 micron	5 micron, 10 micron, 20 micron
No of Activated Carbon filter provided	2	*
Activated Carbon	10 Inch	10 Inch, 20 Inch

	filter Size		
	No of Antiscalant filter provided	1	*
	Antiscalant- where silica is up to 10 ppm/where Mica is up to 100 ppm	Yes	Yes, No Or higher
	Nano Silver leaching filtration	No	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	35 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	Yes	Yes, No Or higher
	Recovery percentage at 27 degree centigrade	25-35	25-35, 30-40, 50-60, 70-80, 90-100
	Filtration water capacity in liter/ hour	50	50
	TDS removal percentage from RO Membrane	90%	25%, 50%, 75%, 90%, 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, MS Powder Coating, Stainless Steel
	Membrane Housing	Yes	Yes, No Or higher
	Number of candles	6 or more	2, 3, 4, 5, 6 or more
Cooler Parameters	Type of compressor	Reciprocating	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	NA	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)	60	60
	Installation Type	Floor Mounted	Floor Mounted
	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
	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
Additional Parameters	Availability of type test Test REPORT for Filtering Size of Particles	Yes	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	Yes	Yes, No Or higher
Test certificate No and date for Microbial Efficacy	-	*
Name of the lab for Microbial Efficacy	-	*
Availability of type test certificate from NABL/ILAC Lab design evaluation report as per IS 14724	Yes	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	No	Yes, No 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, No Or higher
Name and Address of NABL Accredited lab with OEM , If Not available put NA	-	*
Inlet Pipe & Fitting from raw water sources 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 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

* 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	B Rajender Kumar	500007,CCMB, HABSIGUDA, UPPAL ROAD, HYDERABAD 500007	3	30

Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Only supply of Goods
2. **Upload Manufacturer authorization:** Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.
3. 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.
4. 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 1 year 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 primary product having highest value should meet this criterion.

5. Malicious Code Certificate:

The seller should upload following certificate in the bid:-

(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-

(i) Inhibit the desires and designed function of the equipment.

(ii) Cause physical damage to the user or equipment during the exploitation.

(iii) Tap information resident or transient in the equipment/network.

(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

6. Warranty period of the supplied products shall be 1 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid

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

---Thank You---