

### Bid Document

Bid Details	
Bid End Date/Time	16-07-2020 14:00:00
Bid Opening Date/Time	16-07-2020 14:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	60 (Days)
Ministry/State Name	Ministry Of Communications
Department Name	Department Of Posts
Organisation Name	Tamil Nadu Postal Circle Department Of Posts
Office Name	Office Of The Chief Postmaster General Tamilnadu Circle Chennai 600002
Total Quantity	1
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. ( 1 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>	RO +UV	RO +UV
	<b>Power consumptions of system (with <math>\pm</math> 5% tolerance) (in watt)</b>	300	300
	<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	48	*

put zero in case UV is not available)		
<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>	Yes	Yes Or higher
Storage tank	In-built	*
<b>Material of water Storage Tank</b>	ABS Food Grade	ABS Food Grade
<b>Storage tank capacity up to float valve level (in liter)</b>	25	25
Stages of purification	6	*
No of RO Membranes provided	2	*
<b>RO Membrane rating</b>	75 GPD	75 GPD
<b>RO Membrane flushing</b>	NA	NA
No of Particulate filter provided	2	*
<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>	1 KG/CM2	1 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>	No	Yes, No Or higher
	<b>Recovery percentage at 27 degree centigrade</b>	25-35	25-35
	<b>Filtration water capacity in liter/ hour</b>	25	25
	<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>	2	2
Cooler Parameters	<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>	NA	NA
	<b>Number of Normal Water Faucets</b>	1	1
	<b>Number of Hot Water Faucets</b>	1	1
	Water flow rate through Faucets( in	50	*

	liter per hour)		
	<b>Cooling capacity at comfort level (17 ± 1 degree celsius) (in liter per hour)</b>	10	10
	<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>	Na	Na
	<b>Warranty period without Filter &amp; inclusive of electronic and electrical parts</b>	NA	NA
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 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>Avaialbility of type test certificate from NABL/ILAC Lab design evaluation</b>	No	Yes, No Or higher

<b>report as per IS 14724</b>		
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 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 material	HDPE	*
<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	Subramani Gopinathan	641001,Office of the SRM RMS CB Dn Coimbatore	1	30

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

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

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

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