

Bid Document

Bid Details	
Bid End Date/Time	11-07-2020 12:00:00
Bid Opening Date/Time	2020-07-11 12:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	70 (Days)
Ministry/State Name	Ministry Of Power
Department Name	Power Grid Corporation Of India Limited
Organisation Name	Power Grid Corporation Of India Limited
Office Name	Corporate Office Gurgaon
Total Quantity	4
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
Estimated Bid Value	191200

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

MSE Purchase Preference

MSE Purchase Preference	Yes
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1. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 25% of total value.

Potable Water Purification System With Inbuilt Water Cooler. (4 pieces)

Technical Specifications

* As per GeM Category Specification

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Standard Parameter	Certification for the product	WQA	WQA
	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)	775	775

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)	2	*
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)	120	120
Stages of purification	3	*
No of RO Membranes provided	0.5	*
RO Membrane rating	80 GPD	80 GPD
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
No of Particulate filter provided	0.5	*
Particulate Filter size	10 inch	10 inch
Particulate Filter	20 micron	20 micron

Porosity		
No of Activated Carbon filter provided	0.5	*
Activated Carbon filter Size	20 Inch	20 Inch
No of Antiscalant filter provided	0.5	*
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 Or higher
Minimum inlet pressure	0.3 KG/CM2	0.3 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 Or higher
Raw water/Chemical Raw water/Chemical Cleaning pump	No	Yes, No Or higher
Recovery percentage at 27 degree centigrade	25-35	25-35
Filtration water capacity in liter/ hour	80	80
TDS removal percentage from RO Membrane	90%	90%
Pressure vessel Sand Filter	Yes	Yes Or higher
Pressure vessel Carbon Filter	Yes	Yes Or higher
Pressure Vessel Dual Media Filter	Yes	Yes Or higher
Body of filter	MS Powder Coating	MS Powder Coating
Membrane Housing	Yes	Yes Or higher
Number of candles	3	3

Cooler Parameters	Type of compressor	Rotary	Rotary
	Refrigerant Used	HFC-R-134/A	HFC-R-134/A
	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	2
	Number of Normal Water Faucets	3	3
	Number of Hot Water Faucets	Na	Na
	Water flow rate through Faucets(in liter per hour)	50	*
	Cooling capacity at comfort level (17 ± 1 degree celsius) (in liter per hour)	40	40
	Installation Type	Floor Mounted	Floor Mounted
	Power supply	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 %	*
	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
	Warranty period without Filter & inclusive of electronic and electrical parts	1	1
Additional Parameters	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	-	*
Availability 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 Or higher
Installation and Commissioning inclusive in the scope of Supply*	Yes	Yes 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 sources to water purification system	to be arranged by buyer / consignee	to be arranged by buyer / consignee

Pipe & Fitting from Out let to purified water tank	To be arranged by buyer /consignee	To be arranged by buyer /consignee
Pipe and pipe fitting material	PVC	*
Electrical fitting and plug points	To be arranged by buyer /consignee	To be arranged by buyer /consignee
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	Devendra Kumar Pandey	800023,POWERGRID CORPORATION OF INDIA LIMITED, Eastern Region-I Headquarter (ER-I RHQ), Board Colony, Near Transformer Repair Works, Shastri Nagar, Patna, Bihar 800023	4	30

Bid Specific Additional Terms and Conditions

- 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)
- The Bidder / OEM {themselves or through reseller(s)}, should have executed project for supply and installation / commissioning of same or similar Category Products during preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria:
 - Single order of at least 35% of estimated bid value; or
 - Two orders of at least 20% each of estimated bid value; or
 - Three orders of at least 15% each of estimated bid value.

Satisfactory Performance certificate issued by respective Buyer Organization for the above

Orders should be uploaded with bid. In case of bunch bids, the Category related to primary product having highest bid value should meet this criterion

3. IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.
4. 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.

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

---Thank You---