

Bid Document

Bid Details	
Bid End Date/Time	20-07-2020 19:00:00
Bid Opening Date/Time	20-07-2020 19:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	60 (Days)
Ministry/State Name	Ministry Of Power
Department Name	Na
Organisation Name	Ntpc Limited
Office Name	Coal Mining Hq
Total Quantity	6
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. (6 pieces)

Technical Specifications

* As per GeM Category Specification

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Standard Parameter	Certification for the product	CE	CE
	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)	300	300
	Maximum Input Water TDS allow to the system	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	*
	Operation mode	Semi Automatic with External Auto Cut Off	Semi Automatic with External 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	16	*

put zero in case UV is not available)		
Provision of Arsenic removal	No	Yes, No Or higher
Provision of Fluoride removal	No	Yes, No Or higher
Provision of Chloride removal	no	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
Storage tank capacity up to float valve level (in liter)	50	50
Stages of purification	6	*
No of RO Membranes provided	2	*
RO Membrane rating	75 GPD	75 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	1	*
Particulate Filter size	10 inch	10 inch
Particulate Filter Porosity	5 micron	5 micron
No of Activated Carbon filter provided	1	*
Activated Carbon filter Size	10 Inch	10 Inch
No of Antiscalant filter provided	1	*
Antiscalant- where silica is up to 10 ppm/where Mica is up to 100 ppm	Yes	Yes Or higher
Nano Silver leaching filtration	No	Yes, No Or higher
Minimum inlet pressure	0.3 KG/CM2	0.3 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 Or higher
	Raw water/Chemical Raw water/Chemical Cleaning pump	Yes	Yes 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	25%	25%
	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	ABS Food grade	ABS Food grade
	Membrane Housing	Yes	Yes Or higher
	Number of candles	6 or more	6 or more
Cooler Parameters	Type of compressor	Rotary	Rotary
	Refrigerant Used	R22	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	2
	Number of Normal Water Faucets	NA	NA
	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)	10	10
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)	NA	NA
Warranty period without Filter , electronic and electrical parts	Na	Na
Warranty period without Filter & inclusive of electronic and electrical parts	1	1
Availabilty of type test Test REPORT for Filtering Size of Particles	Yes	Yes 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 Or higher
Test certificate No and date for Microbial Efficacy	-	*
Name of the lab for Microbial Efficacy	-	*
Avaiability of type test certificate from	Yes	Yes Or higher

NABL/ILAC Lab design evaluation report as per IS 14724		
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 scources 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	No	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

* 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	Pradip Kumar Singh	770013,NTPC Dulanga Coal Mining Project Khapurikachar, post:Sanghumuda, Hemgir Tehsil	6	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---