

Bid Document

Bid Details	
Bid End Date/Time	02-06-2020 13:00:00
Bid Opening Date/Time	2020-06-02 13:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Coal
Department Name	Materials Management
Organisation Name	Mahanadi Coalfields Limited
Office Name	General Manager Materials Management Mcl Hqr
Total Quantity	1
Item Category	Potable water purification system with inbuilt water cooler.
Experience Criteria	1 Year (s)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Experience Criteria,Certificate (Requested in ATC),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	Yes

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. (1 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)	950	950
	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)	11	*
Provision of Arsenic removal	Yes	Yes, No Or higher
Provision of Fluoride removal	Yes	Yes Or higher
Provision of Chloride removal	Yes	Yes Or higher
Alkaline filter	Yes	Yes 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	7	*
No of RO Membranes provided	5	*
RO Membrane rating	100 GPD	100 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, 20 inch
Particulate Filter Porosity	5 micron	5 micron, 10 micron, 20 micron
No of Activated Carbon filter provided	1	*
Activated Carbon filter Size	10 Inch	10 Inch, 20 Inch

No of Antiscalant filter provided	0	*
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, 0.6 KG/CM2, 1 KG/CM2
Maximum inlet pressure	3.5 KG/CM2	*
Maximum Inlet water temperature	35 degree celsius	*
Digital display	Yes	Yes 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 Or higher
Recovery percentage at 27 degree centigrade	70-80	70-80
Filtration water capacity in liter/ hour	80	80
TDS removal percentage from RO Membrane	90%	90%
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
Membrane Housing	Yes	Yes, No Or higher
Number of candles	6 or more	6 or more
Cooler Parameters	Type of compressor	Rotary
	Refrigerant Used	R22
	Refrigeration temperature	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	3	3
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)	80	10, 20, 40, 60, 80
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
Availabilty 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	Yes	Yes 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	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	suitable pipe and fitting to be provided by seller up to 20 feet	suitable pipe and fitting to be provided by seller up to 20 feet
Pipe & Fitting from Out let to purified water tank	to be arranged by seller (upto 20 feet)	to be arranged by seller (upto 20 feet)
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	SUNIL TUKARAM DAJGUDE	768211,Office of the Chief General Manager, Mahanadi Coalfields Limited, Lakhanpur Area, At/PO Bandhbahal, Via, Belpahar Dist Jharsuguda-768211	1	30

Bid Specific Additional Terms and Conditions

1. 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.
2. 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.
3. Scope of supply (Bid price to include all cost components) : Only supply of Goods
4. 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.
5. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
6. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of

Telephone Numbers for Service Support.

7. Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 7 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG). Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

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

---Thank You---