

Bid Document

Bid Details	
Bid End Date/Time	22-07-2020 15:00:00
Bid Opening Date/Time	22-07-2020 15:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	65 (Days)
Ministry/State Name	Ministry Of Coal
Department Name	Materials Management
Organisation Name	Northern Coalfields Limited
Office Name	Ri V, Cmpdi, Bilaspur (cg), Central Zone
Total Quantity	2
Item Category	Water Quality Meters / Analyzers
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 *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
Estimated Bid Value	140000

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.

Water Quality Meters / Analyzers (2 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
TYPE / NOMENCLATURE / PROTECTION	Type of Meter / Analyzer	Handheld	Handheld
	Functional nomenclature	Turbidity Meter	Turbidity Meter
	Ingress Protection (Main Unit)	IP 67	IP 67
	Calibration	Manual	Manual
MEASURED WATER QUALITY PARAMETERS	Dissolved Oxygen (DO)	No	No
	DO % Stauration	No	No
	Conductivity	No	No
	Resistivity	No	No
	Salinity	No	No
	Total Dissolved Solids (TDS)	No	No
	pH	No	No
	Oxidation Reduction Potential (ORP)	No	No
	Ammonium	No	No
	Nitrate	No	No
	Chloride	No	No
	Turbidity	Yes	Yes
	Depth	No	No
	Temperature	No	No
	Atmospheric Pressure	No	No

MEASUREMENT OF DISSOLVED OXYGEN (DO) / DO % Saturation	Dissolved Oxygen (DO) measurement Principle	NA	NA
	Sensor / Probe/ Electrode Type	NA	Lifetime Luminiscent for Optical, Polarographic for Electro Chemical, Galvanic for Electro Chemical, NA
	Measurement Range for DO Content (in ppm or mg/l)	NA	NA
	Resolution (in ppm or mg/l)	NA	*
	DO Accuracy (+/-)	0	*
	Measurement Range for DO % Saturation (in %)	NA	NA
	Resolution (in %)	NA	*
	DO % Accuracy (+/-)	0	*
MEASUREMENT OF CONDUCTIVITY (EC)	Conductivity measurement principle	NA	NA
	Sensor/ Probe/Electrode Type	NA	NA
	Material of Electrode	NA	NA
	Measurement Range (in $\mu\text{S/cm}$)	NA	NA
	Resolution (in mho or $\mu\text{S/cm}$)	NA	*
	EC Accuracy (+/-)	0	*
MEASUREMENT OF RESISTIVITY	Resitivity measurement principle	NA	NA
	Lowest Measurement Value for Resistivity (in ohm-cm)	NA	NA
	Highest Measurement Value for Resistivity (in Mega ohm-cm)	NA	NA
	Resolution (in ohm-cm)	NA	*
	Resistivity Accuracy(+/-)	0	*

MEASUREMENT OF SALINITY	Salinity measurement principle	NA	NA
	Measurement Range (in parts per thousand or g/l or PSU)	NA	NA
	Resolution (in g/l)	NA	*
	Salinity Accuracy (+/-)	0	*
MEASUREMENT OF TOTAL DISSOLVED SOLIDS (TDS)	TDS measurement principle	NA	NA
	TDS Measurement Range (in parts per thousand or g/l)	NA	NA
	Resolution (in g/l)	NA	*
	TDS Accuracy (+/-)	0	*
MEASUREMENT OF pH	pH measurement principle	NA	NA
	Sensor / Probe / Electrode Type	NA	NA
	Number of Sensors / Electrodes	NA	NA
	pH Measurement Range	NA	NA
	Resolution (in pH number)	NA	*
	pH Accuracy (+/-)	0	*
MEASUREMENT OF OXIDATION REDUCTION POTENTIAL (ORP)	ORP measurement principle	NA	NA
	Sensor / Probe/ Electrode Type	NA	NA
	Number of Sensors /Electrodes	NA	NA
	Lowest Measurement Value for ORP (in mV)	NA	NA
	Highest Measurement Value for ORP (in mV)	NA	NA
	Resolution (in \pm mV)	NA	*
	ORP Accuracy (+/-)	0	*
MEASUREMENT OF AMMONIUM	Sensor / Probe/ Electrode Type	NA	Ion Selective Electrode, NA
	Measurement Range (in ppm or mg/l)	NA	NA

	Resolution (in ppm or mg/l)	NA	*
	Ammonium Accuracy (+/-)	0	*
	Sensor / Probe/ Electrode Type	NA	Ion Selective Electrode, NA
	Measurement Range (in ppm or mg/l)	NA	0-100, 0-200, 0-300, 0-400, 0-500, 0-600, NA
MEASUREMENT OF NITRATE	Resolution (in ppm or mg/l)	NA	*
	Nitrate Accuracy (+/-)	0	*
	Sensor/Probe/Electrode Type	NA	NA
	Measurement Range (in ppm or mg/l)	NA	0-400, 0-600, 0-800, 0-1000, 0-1200, 0-1500, NA
MEASUREMENT OF CHLORIDE	Resolution (in ppm or mg/l)	NA	*
	Chloride Accuracy (+/-)	0	*
	Turbidity measurement principle	Nephelometric measurement according to ISO 7027	Nephelometric measurement according to ISO 7027
	Light Source	Infrared Led	Infrared Led
MEASUREMENT OF TURBIDITY	Measurement of scattered light	30 degree scatter nephelometer	30 degree scatter nephelometer
	Lowest Measurement Value for Turbidity (in FNU or NTU)	0.01	0.01
	Highest Measurement Value for Turbidity (in FNU or NTU)	1200	1200
	Resolution (in FNU or FTU)	0.01	*
	Turbidity Accuracy (+/-)	2	*
	Sensor/Probe Type	NA	NA
	Lowest Measurement Value for Temperature (°C)	NA	NA
MEASUREMENT OF TEMPERATURE	Highest Measurement Value for Temperature (°C)	NA	NA

	Resolution (°C)	NA	*
	Temperature Accuracy (+/-)	0	*
MEASUREMENT OF PRESSURE	Sensor /Probe Type	NA	NA
	Lowest Measurement Value for Pressure (in mmHg)	NA	NA
	Highest Measurement Value for Pressure (in mmHg)	NA	NA
	Resolution (in mmHg)	NA	*
	Pressure Accuracy (+/-)	0	*
MEASUREMENT OF DEPTH	Measurement Method	NA	NA
	Depth Measurement Range (in meters)	NA	NA
	Length of Cable connecting peobe (inclusive in the scope of supply)	0	0.0
COMPENSATION / CORRECTION	Temperature correction	NA	NA
	Salinity Correction	NA	NA
	Barometric Pressure correction	NA	NA
DISPLAY / STORAGE	Type of Display	LCD	*
	Display Digit Size	0	*
	Number of Digits in Display	3	*
	Number of parameters diplayed simultaneously	1	*
	Memory (in Data Sets)	0	*
	Internal memory (GB)	0	*
	In-built GPS	No	*
	Date /time Stamp in Entries	No	*
	Connectivity interface	NA	*
POWER SOURCE	Power Source	Rechargeable Battery	*
	Battery Size, if Non Rechargeable Battery	NA	*

	Battery Chemistry, if Rechargeable Battery	NA	*
	Voltage of each Battery	0	*
	Number of Batteries required for operation	0	*
	Number of Batteries Inclusive in the Scope of Supply	0	*
	Battery Capacity (mAh)	0	*
	Battery Life	0	*
	Suitable Adapter to be supplied to make the equipment Work on 230 V \pm 10 %, 50 Hz	No	*
GENERIC	Armour housing of Sensor / Probe	Plastic	*
	Probe / Sensor / Electrode supplied with equipment	No	*
	Number of elctrodes supplied	0	*
	Weight	0	*
	Dimensions (mm x mm x mm)	-	*
	Carry Case included in the scope of supply	No	*
	Any other features	-	*
	List of Items and Quantity of each item included in the offer	-	*
OPERATING CONDITIONS	Minimum Operating Temperature	0	0.0
	Maximum Operating Temperature	50	50.0
	Operating Humidity, Rh at 40 deg C	65	65.0
WARRANTY	Warranty on Equipment	1	1.0
	Warranty on Probe / Electrode	6	6.0
	Warranty on Cables for Connecting Probe	1	1.0
CERTIFICATION	Availability of Test Reports from Central Govt / NABL approved / ILAC	No	No

	accredited Lab to prove conformity to the specification		
	If Yes, Test Report to be furnished to the Buyer on demand	NA	*
	Test Report No and Date	-	*
	Name of the Lab and Address	-	*

* 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	Bandi Joseph Anil Kumar	495006,REGIONAL INSTITUTE V, CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED, SECL COMPLEX, SIPAT ROAD	2	30

Bid Specific Additional Terms and Conditions

- 1. End User Certificate:** Wherever Bidders are insisting for End User Certificate from the Buyer, same shall be provided in Buyer's standard format only.
- 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.
- Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.
- 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.
- The successful bidder has to supply all essential accessories required for the successful installation and commissioning of the goods supplied. Besides standard accessories as per normal industry practice, following accessories must be part of supply and cost should be included in bid price: Rechargeable battery with charger.
- Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:
 - i) The Seller fails to comply with any material term of the Contract.
 - ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.

- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
 - iv) The Seller becomes bankrupt or goes into liquidation.
 - v) The Seller makes a general assignment for the benefit of creditors.
 - vi) A receiver is appointed for any substantial property owned by the Seller.
 - vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.
7. **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.
8. **Nominated Inspection Agency:** On behalf of the Buyer organization, any one of the following Inspection Agency would be conducting inspection of stores before acceptance: Pre-dispatch Inspection at Seller Premises (applicable only if pre-dispatch inspection clause has been selected in ATC): Not Required
Post Receipt Inspection at consignee site before acceptance of stores: By our inspection team
9. 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)
10. 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 50% of total value.
11. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
12. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
13. Over and above the normal Warranty terms as per GeM GTC, the successful bidder / OEM shall have to provide Comprehensive Warranty during the entire Standard warranty period as per contract. : The comprehensive warranty shall be covering the following scope Replacement of all defective parts free of cost (Upload an undertaking with the bid confirming compliance by the bidder if Bidder is taking onus of this compliance. In case OEM is taking onus of this compliance, OEM undertaking is to be uploaded along with Bidder undertaking)
14. Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.
15. 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 15 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.

16. 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
17. Purchase preference to Micro and Small Enterprises (MSEs) from the State of Bid Inviting Authority : Purchase preference will be given to MSEs as Micro and Small Enterprises from the State of Bid inviting Authority whose credentials are validated online through Udyog Aadhaar for that product category. 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 50% of total value as defined/ decided in relevant policy.
18. For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:
 - a. Purchase Order copy along with Invoice(s) with self-certification by the bidder that supplies against the invoices have been executed.
 - b. Execution certificate by client with order value.
 - c. Any other document in support of order execution like Third Party Inspection release note, etc.
19. 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:
 - (i) Single order of at least 35% of estimated bid value; or
 - (ii) Two orders of at least 20% each of estimated bid value; or
 - (iii) 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

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

---Thank You---