

Bid Document

Bid Details	
Bid End Date/Time	10-02-2020 09:00:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	70 (Days)
Ministry/State Name	Ministry Of Science And Technology
Department Name	Department Of Scientific And Industrial Research (dsir)
Organisation Name	N/a
Office Name	Csir - Central Salt & Marine Chemical Research Institute
Total Quantity	1
Item Category	Water Quality Meters / Analyzers
MSE Exemption For Years Of Experience And Turnover	Yes
Startup Exemption For Years Of Experience And Turnover	Yes
Document required from seller	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	No

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

Water Quality Meters / Analyzers (1 pieces)

Technical Specifications

* [As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
TYPE / NOMENCLATURE / PROTECTION	Type of Meter / Analyzer	Bench Type	Bench Type
	Functional nomenclature	Multi Parameter Water Quality Analyzer	Multi Parameter Water Quality Analyzer
	Ingress Protection (Main Unit)	IP 65	IP 65
	Calibration	Automatic	Automatic
MEASURED WATER QUALITY PARAMETERS	Dissolved Oxygen (DO)	No	No
	DO % Stauration	No	No
	Conductivity	Yes	Yes
	Resistivity	No	No
	Salinity	No	No
	Total Dissolved Solids (TDS)	Yes	Yes
	pH	Yes	Yes
	Oxidation Reduction Potential (ORP)	Yes	Yes
	Ammonium	No	No
	Nitrate	No	No
	Chloride	No	No
	Turbidity	No	No
	Depth	No	No
	Temperature	Yes	Yes
	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	Conductive (contacting)	Conductive (contacting)
	Sensor/ Probe/Electrode Type	4 Cell Electrode	4 Cell Electrode
	Material of Electrode	NA	NA
	Measurement Range (in $\mu\text{S/cm}$)	0-200	0-200
	Resolution (in mho or $\mu\text{S/cm}$)	0.01	*
	EC Accuracy (+/-)	1	*
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	TDS measurement principle	Conductivity Conversion	Conductivity Conversion

SOLIDS (TDS)	TDS Measurement Range (in parts per thousand or g/l)	0-100	0-100
	Resolution (in g/l)	NA	*
	TDS Accuracy (+/-)	0	*
MEASUREMENT OF pH	pH measurement principle	Electro chemical	Electro chemical
	Sensor / Probe / Electrode Type	NA	NA
	Number of Sensors / Electrodes	NA	NA
	pH Measurement Range	0-14	0-14
	Resolution (in pH number)	0.01	*
	pH Accuracy (+/-)	0.01	*
MEASUREMENT OF OXIDATION REDUCTION POTENTIAL (ORP)	ORP measurement principle	Electro chemical	Electro chemical
	Sensor / Probe/ Electrode Type	NA	Platinum Electrode, Ion Selective Electrode (ISE), NA
	Number of Sensors /Electrodes	NA	NA
	Lowest Measurement Value for ORP (in mV)	-500	-500
	Highest Measurement Value for ORP (in mV)	2000	2000
	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	0-100, 0-200, 0-300, 0-400, 0-500, 0-600, NA
	Resolution (in ppm or mg/l)	NA	*
	Ammonium Accuracy (+/-)	0	*
MEASUREMENT OF NITRATE	Sensor / Probe/ Electrode Type	NA	NA
	Measurement Range (in ppm or mg/l)	NA	0-100, 0-200, 0-300, 0-400, 0-500, 0-600, NA

	Resolution (in ppm or mg/l)	NA	*
	Nitrate Accuracy (+/-)	0	*
MEASUREMENT OF CHLORIDE	Sensor/Probe/Electrode Type	NA	NA
	Measurement Range (in ppm or mg/l)	NA	NA
	Resolution (in ppm or mg/l)	NA	*
	Chloride Accuracy (+/-)	0	*
MEASUREMENT OF TURBIDITY	Turbidity measurement principle	NA	NA
	Light Source	NA	NA
	Measurement of scattered light	NA	NA
	Lowest Measurement Value for Turbidity (in FNU or NTU)	NA	NA
	Highest Measurement Value for Turbidity (in FNU or NTU)	NA	NA
	Resolution (in FNU or FTU)	NA	*
	Turbidity Accuracy (+/-)	0	*
MEASUREMENT OF TEMPERATURE	Sensor/Probe Type	NA	NA
	Lowest Measurement Value for Temperature (°C)	0	0
	Highest Measurement Value for Temperature (°C)	100	100
	Resolution (°C)	0.1	*
	Temperature Accuracy (+/-)	0.5	*
MEASUREMENT OF PRESSURE	Sensor /Probe Type	NA	NA
	Lowest Measurement Value for Pressure (in mmHg)	NA	NA
	Highest Measurement Value	NA	NA

	for Pressure (in mmHg)		
	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	Automatic	Automatic
	Salinity Correction	NA	NA
	Barometric Pressure correction	NA	NA
DISPLAY / STORAGE	Type of Display	LCD with Backlight	*
	Display Digit Size	15	*
	Number of Digits in Display	3	*
	Number of parameters diplayed simultaneously	5	*
	Memory (in Data Sets)	100	*
	Internal memory (GB)	64	*
	In-built GPS	No	*
	Date /time Stamp in Entries	Yes	*
	Connectivity interface	NA	*
POWER SOURCE	Power Source	Mains (230 \pm 10 Volts / 50 Hz AC)	*
	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	Yes	*
GENERIC	Armour housing of Sensor / Probe	Plastic	*
	Probe / Sensor / Electrode supplied with equipment	Yes	*
	Number of elctrodes supplied	2	*
	Weight	500	*
	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	85	85.0
WARRANTY	Warranty on Equipment	2	2.0
	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 accredited Lab to prove conformity to the specification	No	No
	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	Patel Rakeshkumar Mavjibhai	364001,CSIR-Central Salt & Marine Chemicals Research Institute Gijubhai Badheka Marg Bhavnagar 364001	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 2 years 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. The buyer organization is an institution eligible for concessional rates of GST as notified by the Government of India. The goods for which bids have been invited fall under classification of GST concession and the conditions for eligibility of concession are met by the institution. A certificate to this effect will be issued by Buyer to the Seller after award of the Contract. Sellers are requested to submit their bids after accounting for the Concessional rate of GST. Applicable Concessional rate of GST : 5%
Notification No.and date : 45/2017 and 47/2017 dated 14/11/2017
3. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
4. 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.

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

---Thank You---