

**Bid Document**

<b>Bid Details</b>	
Bid End Date/Time	22-02-2021 09:00:00
Bid Opening Date/Time	22-02-2021 09:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Rajasthan
Department Name	Technical Education Department Rajasthan
Organisation Name	Rajasthan Technical University (rtu) Kota
Office Name	Rajasthan Technical University Kota
Total Quantity	1
Item Category	Water Quality Meters / Analyzers
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	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
Time allowed for Technical Clarifications during technical evaluation	2 Days
Inspection Required	No
Evaluation Method	Total value wise evaluation

**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 )**

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Brand Type	Registered Brand
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**Technical Specifications**

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
TYPE / NOMENCLATURE / PROTECTION	<b>Type of Meter / Analyzer</b>	Bench Type
	<b>Functional nomenclature</b>	Multi Parameter Water Quality Analyzer
	<b>Ingress Protection (Main Unit)</b>	NA being Bench Top
	<b>Calibration</b>	Automatic
MEASURED WATER QUALITY PARAMETERS	<b>Dissolved Oxygen (DO)</b>	Yes
	<b>DO % Stauration</b>	Yes
	<b>Conductivity</b>	Yes
	<b>Resistivity</b>	No
	<b>Salinity</b>	Yes
	<b>Total Dissolved Solids (TDS)</b>	Yes
	<b>pH</b>	Yes
	<b>Oxidation Reduction Potential (ORP)</b>	Yes
	<b>Ammonium</b>	No
	<b>Nitrate</b>	No
	<b>Chloride</b>	No
	<b>Turbidity</b>	Yes
	<b>Depth</b>	No
	<b>Temperature</b>	Yes
<b>Atmospheric Pressure</b>	No	
MEASUREMENT OF DISSOLVED OXYGEN (DO) / DO % Saturation	<b>Dissolved Oxygen (DO) measurement Principle</b>	Electro Chemical ( Amperometric )
	<b>Sensor / Probe/ Electrode Type</b>	Polarographic for Electro Chemical
	<b>Measurement Range for DO Content ( in ppm or mg/l )</b>	0-20
	<b>Measurement Range for DO % Saturation ( in % )</b>	0-200
MEASUREMENT OF CONDUCTIVITY (EC)	<b>Conductivity measurement principle</b>	Inductive
	<b>Sensor/ Probe/Electrode Type</b>	2 Cell Electrode
	<b>Material of Electrode</b>	Platinum
	<b>Measurement Range ( in µS/cm )</b>	0-20000
	Resolution ( in mho or µS/cm )	0.1
MEASUREMENT OF RESISTIVITY	<b>Resitivity measurement principle</b>	NA
	<b>Lowest Measurement Value for Resistivity (in ohm-cm)</b>	NA
MEASUREMENT OF SALINITY	<b>Salinity measurement principle</b>	Conductivity Conversion

	<b>Measurement Range ( in parts per thousand or g/l or PSU)</b>	0-40
MEASUREMENT OF TOTAL DISSOLVED SOLIDS (TDS)	<b>TDS measurement principle</b>	Conductivity Conversion
	<b>TDS Measurement Range ( in parts per thousand or g/l )</b>	0-100
MEASUREMENT OF pH	<b>pH measurement principle</b>	Electro chemical
	<b>Sensor / Probe / Electrode Type</b>	Glass Electrode
	<b>Number of Sensors / Electrodes</b>	Single Electrode
	<b>pH Measurement Range</b>	0-14
	Resolution ( in pH number )	0.01
MEASUREMENT OF OXIDATION REDUCTION POTENTIAL (ORP)	<b>ORP measurement principle</b>	Electro chemical
	<b>Number of Sensors /Electrodes</b>	Single Electrode
	<b>Lowest Measurement Value for ORP (in mV )</b>	0
	<b>Highest Measurement Value for ORP (in mV )</b>	2000
MEASUREMENT OF AMMONIUM	<b>Measurement Range ( in ppm or mg/l )</b>	NA
MEASUREMENT OF CHLORIDE	<b>Sensor/Probe/Electrode Type</b>	NA
MEASUREMENT OF TURBIDITY	<b>Turbidity measurement principle</b>	Nephelometric measurement according to US EPA 180.1
	<b>Light Source</b>	White light tungsten lamp
	<b>Measurement of scattered light</b>	90 degree scatter nephelometer
	<b>Lowest Measurement Value for Turbidity (in FNU or NTU )</b>	0.1
	<b>Highest Measurement Value for Turbidity (in FNU or NTU )</b>	100
	Resolution ( in FNU or FTU )	0.1
MEASUREMENT OF TEMPERATURE	<b>Sensor/Probe Type</b>	Resistance Temperature (RTD) Detector
	<b>Lowest Measurement Value for Temperature ( °C)</b>	0
	<b>Highest Measurement Value for Temperature ( °C)</b>	100
MEASUREMENT OF PRESSURE	<b>Sensor /Probe Type</b>	NA
	<b>Lowest Measurement Value for Pressure (in mmHg )</b>	NA
	<b>Highest Measurement Value for Pressure (in mmHg )</b>	NA
MEASUREMENT OF DEPTH	<b>Measurement Method</b>	NA
	<b>Depth Measurement Range (in meters)</b>	NA
	<b>Length of Cable connecting peobe (inclusive in the scope of supply)</b>	0.0
COMPENSATION / CORRECTION	<b>Temperature correction</b>	Automatic

	<b>Salinity Correction</b>	Automatic
	<b>Barometric Pressure correction</b>	NA
POWER SOURCE	Power Source	Rechargeable Battery
	Number of Batteries required for operation	1
	Number of Batteries Inclusive in the Scope of Supply	1
	Suitable Adapter to be supplied to make the equipment Work on 230 V $\pm$ 10 %, 50 Hz	Yes
GENERIC	Probe / Sensor / Electrode supplied with equipment	Yes
	Carry Case included in the scope of supply	Yes
OPERATING CONDITIONS	<b>Minimum Operating Temperature</b>	0.0
	<b>Maximum Operating Temperature</b>	55.0
	<b>Operating Humidity, Rh at 40 deg C</b>	95.0
WARRANTY	<b>Warranty on Equipment</b>	1.0
	<b>Warranty on Probe / Electrode</b>	6.0
	<b>Warranty on Cables for Connecting Probe</b>	1.0
CERTIFICATION	<b>Availability of Test Reports from Central Govt / NABL approved / ILAC accredited Lab to prove conformity to the specification</b>	No

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	V V D N Kamesh	324010,Rajasthan Technical University, Rawatbhata Road,	1	15

#### Bid Specific Additional Terms and Conditions

- 1.Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
- 2.Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.
- 3.Warranty period of the supplied products shall be as given in specifications 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.
- 4.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 3 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](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

**---Thank You---**