

**Bid Document**

<b>Bid Details</b>	
Bid End Date/Time	28-01-2019 18:00:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	45 (Days)
Ministry/State Name	Gujarat
Department Name	Education Department Gujarat
Organisation Name	Commissionerate Of Technical Education
Office Name	Gandhinagar
Total Quantity	2
Item Category	Dissolved Oxygen Meter
Average Turn Over of Last 3 Years	3 Lakh (s)
Experience with Gov. Required	3 Year (s)
MSE Exemption For Years Of Experience And Turnover	No

**Dissolved Oxygen Meter ( 2 )**

**Technical Specifications**

\* As per GeM Category Specification

<b>Specification</b>	<b>Specification Name</b>	<b>Values</b>	<b>Allowed Values</b>
GENERAL	<b>Type of Dissolved Oxygen (DO) Meter</b>	Bench Type	Bench Type, Handheld
	<b>DO Sensor Technology / Principle</b>	Optical	Optical, Electro Chemical ( Amperometric )
	<b>Probe / Electrode Type</b>	Lifetime Luminiscent for Optical	Lifetime Luminiscent for Optical, Polarographic for Electro Chemical, Galvanic for Electro Chemical
	<b>Measurement Modes</b>	mg/l ( ppm ) and DO % Stauration	mg/l ( ppm ) and DO % Stauration
	<b>Measurement of</b>	Temperature	Temperature, Pressure,

	<b>other dependent parameters</b>		Salinity
	Calibration	0 % in zero oxygen Solution	*
	Ingress Protection (Main Unit) for Handheld type	IP 57	*
MEASUREMENT OF DISSOLVED OXYGEN IN PPM	Measurement Range ( in ppm or mg/l )	0 to 20	*
	Resolution ( in ppm or mg/l )	0.05	*
	Accuracy ( + /- )	2	*
MEASUREMENT OF DO % SATURATION	Measurement Range ( in % )	0 to 400	*
	Resolution	0.2	*
	Accuracy( +/ - )	10	*
TEMPERATURE	Measurement Range ( in °C )	0 to 45	*
	Resolution ( in °C )	0.1,0.2,0.5,1	*
	Accuracy ( +/ - )	1	*
MEASUREMENT OF PRESSURE	Measurement Range ( in mmHg )	-	*
	Resolution ( in mmHg )	NA	*
	Accuracy ( +/ - )	1	*
MEASUREMENT OF SALINITY	Measurement Range (in ppt or g/l)	0 to 30	*
	Resolution (in ppt or g/l)	0.1,0.5,1	*
	Accuracy ( +/ - )	2	*
COMPENSATION / CORRECTION	Temperature correction	Automatic	*
	Temperature Compensation Range ( in °C )	0 to 30	*
	Barometric Pressure correction	Automatic	*
	Barometric Pressure correction Range ( in mmHg )	-	*
	Salinity correction	Automatic	*
	Salinity correction Range (in ppt or g/l)	0 to 30	*
OXYGEN ELECTRODE / PROBE	DO Measurement Depth	100	*
	Length of Cable	1	*

	connecting probe (inclusive in the scope of supply)		
DISPLAY / STORAGE	Type of Display	LCD	*
	Number of Digits in Display	3	*
	Memory (in Data Sets)	10000	*
	Date /time Stamp in Entries	No	*
	Connectivity interface	USB,RS 232	*
POWER SOURCE	Power Source	Alkaline Batteries (Non-Rechargeable),Rechargeable Battery	*
	Battery Size, if Non Rechargeable Battery	AA	*
	Battery Chemistry, if Rechargeable Battery	Li-Ion	*
	Voltage of each Battery	24	*
	Number of Batteries	1	*
	Number of Batteries Inclusive in the Scope of Supply	1	*
	Battery Life	1000	*
	Suitable Adapter to be supplied to make the equipment Work on 230 V ± 10 %, 50 Hz	Yes	*
GENERIC	Weight	2	*
	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	-5	*
	Maximum Operating Temperature	55	*
	Operating Humidity, Rh	70	*
WARRANTY	<b>Warranty on Equipment</b>	1	1, 2, 3, 4, 5
	<b>Warranty on Probe / Electrode</b>	12	6, 12, 18, 24, 30, 36, 42, 48

	<b>Warranty on Cables for Connecting Probe</b>	1	1, 2, 3
CERTIFICATION	<b>Availability of Test Reports from Central Govt / NABL approved / ILAC accredited Lab to prove conformity to the specification</b>	No	Yes, 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	-	*

\* Bold specifications are the golden parameters.

### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Vadodaria Ghanshyambhai	380015, The Principal, L.D.College of Engineering, Navarangpura	2	30

### EMD Detail

Required	No
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### ePBG Detail

Required	No
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### Splitting

Bid splitting not applied.

## Buyer Specific Additional Terms and Conditions

- 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)
- Pre-dispatch inspection / testing at Seller premises :** Before dispatch, the goods will be inspected and tested by Buyer / Consignee or their Authorized Representative / Nominated External Inspection Agency by Buyer (Fee/Charges taken by the External inspection Agency shall be borne by the Buyer) at Seller's premises for their compliance to the contract specifications. The Sellers will provide necessary testing facilities and shall bear cost of in house testing required, if any. Seller shall notify the Buyer through e-mail about readiness of goods for pre-dispatch inspection and Buyer will notify the Seller about the

Authorized Representative/ Nominated External Inspection Agency and the date for testing. The goods would be dispatched to consignee only after clearance in pre-dispatch inspection. Consignee's right of rejection as per GTC in respect of the goods finally received at his location shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by Buyer/ Consignee or its Nominated External Inspection Agency prior to the goods' shipment.

3. **Availability of service Centres** : Bidder /OEM must have Service Centre In the State of each Consignee's Location
4. **Timely Servicing / rectification of defects during warrantee period:** After having been notified of the defects / service requirement during warrantee period, Seller has to complete the required Service / Rectification within time limit specified. If the Seller fails to complete service / rectification with defined time limit, a penalty of defined % 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).
  - (i) Time Limit for Service / Rectification of defects will be as defined in the SLA document for the service.
  - (ii) Penalty per week of delay as % of unit price of product will be as defined in the SLA document for the service.Seller to give compliance Yes / No while submitting bid.
5. The Purchaser reserves the right to increase or decrease the ordered quantity up to 25 percent at the time of placement of contract . The purchaser also reserves the right to increase the contracted qty up to 25% during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly

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

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