



TAMILNADU POLLUTION CONTROL BOARD

From, Er N. Sundara Gopal, M.E, Member Secretary Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai-32.	To Published in TNPCB website
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Letter No: TNPCBd/Labs/ Pur-II/2378-23/2014 date 21.06.2017

Sub: TNPC Board - Labs -Purchase of 2 Nos of Bench top D.O Meter to AEL, Cuddalore and DEL. Perundurai – Limited tender called for- .
Regarding

Please furnish your sealed (to be sealed with sealing wax) and signed Tender for the supply of 2 Nos of **Bench top D.O Meter** to TNPC Board Labs as per the specification enclosed in the Annexure on or before **11.07.2017** addressed to the Deputy Director (Labs) Water Tamil Nadu Pollution Control Board. If the rates quoted are for indigenous item it should be in Rupees and indicating Sales Tax, Packing, Forwarding and Delivering Charges. If the rates quoted are for the imported items the price should be quoted in foreign currency including freight, forwarding charges, insurance excluding customs duty. The Board is eligible for concessional customs duty. The Warranty period, offered by you and the delivery period required by you to supply the stores should be clearly mentioned in the Tender with the following specification. The actual manufacturers or their authorized agent and stockiest having at least three years experience in these products should only quote. In case of dealers, authorization letter for dealership from the original manufacturer should be enclosed.

The sealed cover, super scribed as "**Tender for the supply of Bench top D.O Meter**" our reference number and due date of tender, should be sent to the following address:-

**THE DEPUTY DIRECTOR (LABS) Water
TAMIL NADU POLLUTION CONTROL
BOARD (ANNEXE),
76, MOUNT SALAI,
GUINDY,
CHENNAI – 600 032.**

Tender received after the due date will not be considered.



TAMILNADU POLLUTION CONTROL BOARD

If the tender is accepted supply order will be issued to successful bidder under the following terms and conditions stipulated below:-

01.	EMD	:	Rs 3500/- (Rupees Three Thousand Five Hundred Only) by the Name of Demand Draft in favor of TNPCB, Chennai
	Payment	:	30 days from the date of effecting full supply
02.	Penalty	:	10% p.a. on the value of goods for every day of delay beyond the time schedule of delivery till the date of completion of supply.
03.	Agreement	:	An agreement has to be concluded with the Tamil Nadu Pollution Control Board in a non-judicial stamp paper to the value of Rs.20/- at your cost within 15 days from the date of the order.
04.	Security Deposit	:	Demand Draft for 5% of the value of the order placed by the Board may be drawn in favor of Tamil Nadu Pollution Control Board, Chennai, from any one of the Nationalised Bank payable at Chennai towards Security Deposit and sent to this office within 7 days from the date of receipt of the order or before effecting the supply, whichever is earlier. This shall be refunded after Three years from the date the relevant supply and installation of the instrument.
05	Delivery Period required	:	21 days from the date of receipt of the supply order.
06.	Place of Delivery	:	AEL, Cuddalore and DEL, Perundurai
07.	Buy back	:	Under buy back scheme of any make of obsolete Bench top Dissolved Oxygen (BOD) Meter .


For Member Secretary


76, MOUNT SALAI, GUINDY, CHENNAI - 600 032.

Tel :22353134, 22353135, 22353136, 22353137, 22353138, 22353139, 22353140, 22353141

Fax : 044-22353068

Email : tnpceb@md3.vsnl.net.in www.tnpceb.gov.in

**TECHNICAL SPECIFICATION FOR THE SUPPLY OF BENCH TOP
DISSOLVED OXYGEN (BOD) METER**

The Meter shall be microprocessor based capable of measuring Dissolved Oxygen in liquid samples by optical sensor technique with the provision for automatic Temperature, Pressure and Salinity compensation in the standard BOD bottles of 300 ml capacity with the following detailed specifications.

Sl. No.	Specification	Requirements
01.	Measuring parameter	Dissolved Oxygen in liquid sample
02.	Measuring range	0.000....20 mg/L (ppm)
03.	Display resolution	0.01
04.	Accuracy	±0.1 mg/L for 0.....8 mg/l ±0.2 mg/L for 8....20 mg/l
05.	Measuring Units	mg/L, ppm, %
06.	DO % Air saturation Measuring range resolution	0.0....200% 0.1
07.	DO Measuring technique	Optical sensor with response time of 90% within 30 seconds
08.	Temperature Measurement Measuring range Resolution Accuracy	0.0....50 °C 0.1 °C ± 0.2 °C
09.	Pressure Measurement with inbuilt sensor Measuring range Resolution / Accuracy Pressure compensation	500....1100 mbar 1 / ± 2% automatic / manual
10.	Salinity compensation	Automatically compensates for manual input value
11.	DO Calibration Calibration points Calibration standards Temperature capture Barometric pressure capture Calibration reminder	Single point 1 Automatic and manual Automatic and manual Usable life for each sensor configurable
12.	Measurement Choice	Automatic, manual, timed
13.	System and GLP	Menu guidance and GLP complaint
14.	Data processing Data storage Data transfer	More than 500 data points Data transfer and printout facility
15.	Ambient conditions Temperature Relative humidity Altitude	5.....40 °C 5.....80 % (non-condensing) Up to 2000 m above sea level
16.	Accessories	All relevant accessories for the working of DO meter including BOD calibration standards (NIST certified) minimum 1 ltr. to cover entire measuring range along with 25 standard BOD bottles of 300 ml capacity with user and service manual
17.	Warranty	Minimum 3 years of comprehensive warranty for meter and one year warranty for probe.

[Signature]
Deputy Director (Lab) W