

**The University of Burdwan  
Department of Environmental Science**

**Date: 06.09.18**

**Tender notice no.: WBHESTB/ENVSC/2018**

Sealed quotations are invited from authorised vendors/manufacturers for the supply of following items under the WBHESTB funded research project having Ref. No. **ST/P/S&T/1G-60/2017 dated 11/07/2018** under the Principal Investigator **Dr Srimanta Gupta**, Assistant Professor, Department of Environmental Science. Vendors/suppliers are asked to quote the lowest rate over the listed price for the same. VAT and other applicable taxes must be clearly mentioned in the quotation. The quotation should reach to the following address within fifteen (15) days from the date of the advertisement. The quotation should follow the specifications as per given in the tender.

**1. BOD SENSOR SYSTEM**

*Specifications*

1. Principle: pressure sensor/Respirometric
2. The analyser must be capable of standalone operation after sample charging with automatic measurement and storage of results without manual presence.
3. BOD measurement Range: 0 to 999 mg/L minimum or better
4. BOD Resolution:  $\pm 1$  mg/L or better
5. Analyser set should consist of minimum six measuring place with suitable stirring system for each and inclusive of amber colored bottles
6. Bottle capacity: minimum 500ml with suitable stirring system seals and caps
7. Power source: Battery operated OR AC power of 230V  $\pm 10\%$ , 50Hz, single phase
8. APHA standards methods for the examination of water and waste water-5210. D-EPA approved method

*Should quote all the required accessories necessary for proper operation of the system.*

**2. DISSOLVED OXYGEN METER**

*Specifications*

Single portable instrument for the measurement of Dissolved Oxygen Meter with galvanic DO

probe with built-in temperature sensor, DIN connector and 3 m cable and following features.

Measurement Range : 0.00 to 45.00 ppm O<sub>2</sub>  
0.0 to 300.0 % saturation  
0.0 to 50.0°C / 32.0 to 122.0°F

Accuracy : ±1.5% f.s. (DO)  
±0.5°C / ±1.0°F

Resolution : 0.01 ppm / 0.1%  
0.1°C / 0.1°F

Calibration, slope control etc must be provided on the front panel.

Should have LCD display and PC interface

Weight should be <500gms

*Should be supplied with all the required accessories*

### **3. PLANKTON COUNTING CELL**

### **4. KJELDHAL DIGESTING APPARATUS**

#### ***Specifications***

Complete set with four (04) heating mantle with 500ml Kjeldhal flask, condensers with stand and clamp

Sealed quotations must reach within fifteen (15) days to **PI Dr Srimanta Gupta**, Department of Environmental Science, The University of Burdwan, Golapbag, Burdwan-713104, West Bengal, India.