

Ref. No: BIF/NBU/18-19/145

Date: 16/08/2018

**NOTICE**

**(As per G.O. No. 5400-F (Y), dated 25.06.2012)**

The following instruments will be purchased by the Department of Botany, University of North Bengal. Interested suppliers may submit sealed quotations with GST and PAN details to the said office within 7 business days from the date of publication of the notice.

**Specifications:**

**BOD INCUBATOR SHAKER**

- Double wall system, Outer MS- Powder coated and Inner Stainless steel. Between two walls are filled with Glass wool insulation.
- Two Door system – Outer door is MS- powder coated with lock and key system and magnetic door closer. Inner thick transparent acrylic/Plexi glass to view the specimen without disturbing the inner samples.
- Inside air circulation fan to maintain uniform temperature of the chamber
- Indirect heating system is provided, comprising of air heaters made of high grade Kanthal A-1 wires of suitable wattage. The warm air is evenly distributed throughout the chamber through efficient motor fans ensuring a very good temperature sensitivity.
- An energy efficient cooling unit – CFC Free compressor is installed
- CFL Lamps inside the chamber for proper illumination to view the samples
- Size - H X W X D in mm - 505x415x830 , 6 CFT , No of shelves – 3 , Capacity – 171 liter ,
- Temperature – $\pm 5$  °C to 60 °C, Accuracy -  $\pm 1$ °C, Resolution – 0.1°C and PT-100 Sensor inside the chamber , Solid state relay
- Front Control panel can be comprises of Microprocessor based P.ID. Controller, On- Off Switch and Voltmeter (Optional), heating cooling and main Indicator pilot lamps • Power supply – 220-30V, 50-60 Hz, Single phase
- Company Must ISO 9001:2015 Certified and GMP Certified and Products must be CE Certified

**LAMINAR AIR FLOW**

- Horizontal Laminar Air Flow Cabinet, Work Table – 304 SS and outer wooden, ply pasted, termite proof
- Cleanliness level –Class 100
- Front door – Transparent thick polycarbonate/Acrylic sheet
- Cleanliness level –Class 100
- HEPA Filter - 99.999 % efficiency for particles  $>0.3$   $\mu$ m
- Washable prefilter
- Size – 4 x 2 x 2 ft
- Statically balanced motor blower Assembly (Heavy Duty)

- Noise of the blower is less than 55 dBA & Very low vibration
- Standard parts – HEPA Filter, Prefilter, blower assembly, UV lamp & Illumination, pressure manometer, Gas inlet nozzle, Base to hold the machine
- Power supply - 220-230V, 50-60 Hz, Single phase
- Company Must ISO 9001:2015 Certified and GMP Certified and Products must be CE Certified

The quotation may be addressed to:

**Prof. Arnab Sen**

Professor & Head

Department of Botany

University of North Bengal

Siliguri 734013

Phone: 0353 2699118

e-mail: senarnab\_nbu@hotmail.com

Sd/-  
[Registrar]

Advt. No. 108/R-2018 Dated 16.08.2018