

**ENVIRONMENTAL SCIENCE
THE UNIVERSITY OF BURDWAN
BURDWAN
[2016-2017]**

Items with specifications

Item No. 1: Muffle Furnace

Outer made up of heavy gauge stainless steel 304; Size: 12" x 6" x 6" ; Rating K.W. 3.5; Kanthal A-1 heating element; Two pilot lamps with microprocessor based digital temperature controller; Work on 220/230 V, AC.; Maximum temperature is 1200°C and working temperature is 1130°C

Item No. 2: Visible Range Spectrophotometer:: PG Instruments UK

Optical System: Split Beam; **Wave Length Range** 325-1100 nm; **Detector Type** Silicon Photo Diode; **Band width** 2nm; **Stray Light** $\leq 1.0\%$ T(340 nm NaNO₂); **Photometric Range** (-) 0.3 - 3.0 Abs; **Baseline Stability** 0.002Abs/Hr; **Display** Digital LCD/PC; **Wavelength Reproducibility** ≤ 0.4 nm; **Wavelength Accuracy** ± 2 nm; **Light Source** Tungsten Halogen Lamp; **PC Interface** RS 232

Item No. 3: Laminar Air Flow :: BIO TECHNO LAB/ MICROFLOW/ KLENZAIDS/ BIOBASE

Horizontal/Vertical airflow; Working table made up of heavy gauge stainless steel (Type 304); side panels made glass sheets are mounted on anodized aluminum frames; Working area: 4ftx2ftx2ft./3ft x 2ft x 2ft ; Sliding type opening window of minimum 5 mm thick laminated safety glass; HEPA filter with rating of 99.99% efficacy for 0.3 μ particle or better ; Electrical connection: 220V/50 Hz.; Two 15/5 amps multiple socket with switches on the wall; Fitted with an illuminating lamp with separate switch to illuminate the working area. Fitted with UV germicidal lamp (30W) with separate switch for sterilization; Fitted with Manometer for measurement of HEPA filters choking system; LCD Display; Onsite installation; Payment only after installation, validation and performance demonstration; CE Certified:: Warranty for 2 years.

Item No. 4: Carbon Dioxide Meter (Hand held) :: LUTRON

Specification: CO₂ range : 0 to 4,000 ppm; CO₂ sensor : NDIR, long term reliability; CO₂ with alarm setting; Function : CO₂ (Carbon dioxide), Humidity, Dew point, Temperature; Data hold, Record (Max., Min.); RS232/USB computer interface

Item No. 5: ANEMOMETER (air flow + air velocity) :: LUTRON

Specification: CMM (m³/min.), CFM (ft³/min.); m/s, ft/min, km/h, mile/h, knots, Temp.(°C/°F); 0.4 to 25.0 m/s., -P circuit; Max., Min., Memory recall button; Size : 180 x 72 x 32 mm. RS-232

Item No. 6: Desktop and Colour Printer :: Make: Lenovo Commercial/HP/DELL

a) Desktop

Processor: Core i3 (6th Generation); DVDRW, 8X; RAM Size: 4 GB; Operating System: Windows; SUPC: DL330961260; RAM: 4 GB; DDR3; Memory: up to 16 GB; Hard Disk: 1 TB; Speed: 7200 rpm; USB 3.0; Integrated Graphic card 6000; HD MI PORT, VGA PORT, COM PORT, BROADBAND

LED Monitor: Exact Screen Size: 19.5" TFT; Features: HD; Response Time: 5 ms - 10 ms;
Type: LED; SUPC: SDL335027259
Warranty: 36 months

b) HP Laser Colour Printer 1005

Warranty: 1 Year Manufacturer Warranty

**Item No. 7: Purchase of Deep Freezer :: Make: VOLTAS/BLUE STAR/PANASONIC
Make**

Specifications: Capacity: 500 L; Temperature: - 20⁰C; Door: Two; Dimension: 640x855x670 mm (approx.); Cooling technology: Direct; Backup: at least 12 h; Body: Anodized stucco aluminum body; Insulation: PUF; Compressor: 230 volt; 15 Hz with 5 years warranty

Last date of submission: 24/01/2017

Hard copy to be submitted to:

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