

Adv. Date: 12/02/2020

Tenders are hereby invited for the item as per detailed specifications from the Original vendor or their authorized representatives in India for supply the following item for Department of Environmental Science, The University of Burdwan.

You are requested to quote including GST and installation charge for the following items as listed below. The sealed quotation must reach to **Prof. Naba Kumar Mondal, Head Dept. Of Environmental Science, The University of Burdwan, Golapbag, Purba Burdwan, W.B-713104, India. Within fifteen days from the date of advertisement.**

1. HOT PLATE

- Temperature range: 50-500 °C
- Electric and acid resistant top surface plate
- Electronic temperature control system
- Top surface area 30 cm × 45 cm
- warranty 1 year

2. PAN BALANCE

- Measuring range: 0.001 – 1000 g
- Digital controlling system
- Chemical resistant top surface
- Warranty 1 year

3. MAGNETIC STIRRER

- Maximum speed- within 1200 rpm
- Increment speed (from 15 rpm)- 50
- Digital display

- Maximum load- up to 1000 ml
- Magnetic bar length - within 25 mm
- Stirring position- more than one

4. CENTRIFUG-I

- Max. speed 20000 RPM
- Max. RCF 37570g
- Max. Tube size 100 ml. (polypropylene)
- Dimension (w x d x h)-400 x 500 x 440 9(mm)
- Max. Capacity 400 ml.
- Stepless speed regulator with zero start interlock
- User friendly microprocessor control with LED display
- Menu driven ten programme memory
- Choice of high brake, low brake and coasting
- Automatic unique safety rotor identification system
- Speed holding accuracy 100 RPM
- Self-diagnosis for errors
- Dynamic Break
- 0-99 minutes digital countdown timer
- Imbalance detector with cut off
- Safety lead interlock to prevent cover opening during centrifugation
- Angel rotor head –capacity 8 x 50 ml(plastic tube),RPM-14500 & RCF ‘g’ 24680
- Angel rotor head-capacity 6 x 25 ml(plastic tube),RPM-18000 & RCF ‘g’28980
- Angel rotor head –capacity 8 x 25 ml(plastic tube),RPM12500 & RCF “g” 14500

5. CENTRIFUG-II

- Max. speed 17300 RPM
- Max. RCF 27440
- Max. Tube size 100 ml. (angular rotor head)
- Tube should be plastic
- Max. Capacity 400 ml.

- Stepless speed regulator with zero start interlock
- Digital speed indicator
- Dynamic Break
- 0-99 minutes digital countdown timer
- Imbalance detector with cut off
- Safety lead interlock to prevent cover opening during centrifugation
- Angel rotor head –capacity 8 x 50 ml(plastic tube),RPM-14500 & RCF ‘g’ 24680
- Angel rotor head-capacity 6 x 25 ml(plastic tube),RPM-18000 & RCF ‘g’28980
- Angel rotor head –capacity 8 x 25 ml(plastic tube),RPM12500 & RCF “g” 14500

6. ELECTRO-QUAGULATION UNIT-AC TO DC VOLT CONVERTER

- Adjustable outputs: 0-30v and 0-5A
- Coarse and fine controls for both current and voltage output
- Over-voltage and reverse-voltage protection
- Input voltage: 110v/60HZ and 220v/50 HZ switchable
- Line regulation: CV \leq 0.01% 3mV, CC \leq 0.2% +3 mA
- Load regulation : CV \leq 0.01% 3mV, CC \leq 0.2% +3 mA
- Ripple noise: CV \leq 0.05 mV RMS, CC \leq 3mA RMS
- Recovery time: <100 micro seconds
- LED reading accuracy: +/- 1% for voltage and +/- 2% for current
- Environment: 0-40C, relative humidity < 80%
- Size: 10.6” x 5.0” x 5.7”
- Weight: 9lbs
- Warranty: 1 year

7. HOT AIR OVEN

- Chamber Stainless Steel of 304 Grades with Mirror Finish.
- Inner Chamber Size 18” X 18” X 24”
- Range 5 0C above Ambient to 150 0C.
- Temperature control Digital Temperature Indicator cum Controller

- Door Front opening door is fitted with Polish Head Proof Handle with latch locking arrangement.
- Number of Shelves 3 Nos. of removable & Adjustable Selves made of Stainless Steel Wire Mesh.

8. XROX MACHINE

- Type :Desktop
- Maximum Original Size: A3, 297 x 432mm
- Copy Sizes: Cassette: A5 - A3
- Stack Bypass: A5R - A3, Envelopes,
- Resolution Copying: 600dpi x 600dpi
- Printing: 600dpi x 600dpi (UFR II LT, Local print only), 256 Gradations
- Copy/Print Speed: A4: 18cpm, A3: 10cpm
- Magnification:
- Zoom: 25-400%
- Fixed: 50%, 70%, 100%, 141%, 200%
- First Copy Time: 7.9 sec.
- Warm-Up Time: Approx. 13 seconds
- Multiple Copies/Prints: 1 to 99 sheets minimum
- Duplexing: Optional Automatic Stackless
- Paper Weight Cassette: 64 to 90g/m²
- Stack Bypass: 64 to 128g/m²
- Duplex: 64 to 90g/m²
- Paper Supply: Cassette
- Universal: A5 - A3
- Paper Capacity Standard: 250 sheets x 1 cassette (80g/m², 250 sheets)
- Multi Stack Bypass: 80 sheets (80g/m²) for A5R to A4, 50 sheets for A3 (80g/m²)
- Optional: 250 sheets x 3 cassettes (750 sheets)
- Max. Total paper capacity: 1,080 sheets
- CPU: Custom Processor upto 150MHz
- Memory: 64MB

- Hard Disk Drive: Interface
- USB: Power Supply 220V AC to 240V AC +/- 10% (50/60Hz)
- Power Consumption: 1.55kW max.
- Dimensions: 622 (W) x 638 (D) x 580.4 (H) mm
- Weight Approx: 39.6kg Optional/Standard
- Resolution: 600dpi x 600dpi
- Memory: 64MB standard (Uses Main unit RAM)
- Hard Disk, CPU: Canon Custom Processor 150MHz (Uses Main Unit CPU)
- PCL Fonts: Supported OS UFR II LT: Windows 2000/XP/Vista, Mac OS 10.2.8 or later Interface
- USB 2.0

9. COMMERCIAL HEATER (1000 Wt)