

Department of Physics
University of Kerala, Thiruvananthapuram-695581

Date: 22/04/2022

Quotation Notice

Department of Physics, University of Kerala, Thiruvananthapuram invites tenders for the purchase of the following items.

1. Desktop PC – 1 number
 - Core Processor: 10th Generation Intel® Core™ i5 processor.
 - Memory: 8GB DDR4 RAM expandable up to 16GB.
 - Display: 21 inches or above.
 - Storage: 512 GB PCIe® NVMe™ M.2 SSD or 1 TB 7200 rpm SATA HDD.
 - System should have facility for Wi-fi connectivity
 - Wireless mouse should be provided.
 - UPS: 0.6 W
 - Operating system: Microsoft Windows 11.
 - Pre-installed with Microsoft Office Home and Student 2021(permanent license).
 - Warranty: 2 year comprehensive warranty including monitor

2. All-in-one (Print, copy, scan) Laser printer
 - Print speed : 20 ppm or higher
 - Duplex mode : Auto duplex
 - Input capacity: Minimum 100 sheets.
 - Interface: USB, Ethernet, Wi-Fi.
 - Print Resolution: Minimum 600x600 dpi.
 - Paper size: A4, letter, legal.
 - Warranty: 1 year.

3. Vacuum tubular furnace
 - Usable temperature: Upto 1050°C.
 - Temp. uniformity : within $\pm 2^{\circ}\text{C}$
 - Power rating: 4kW or higher.
 - Tube vacuum: 10^{-2} Torr or above.
 - Vacuum and pressure gauge for auto partial vacuum/pressure controller.
 - Connection Nozzle for Vacuum.
 - Connection Nozzle for Inert Gas.
 - Tube material: Recrystallized Alumina/Quartz
 - Tube with a diameter of 10cm.



- Working length for the tube 20 cm
- Water cooled end fittings for tube.
- Outer body: Powder coated Mild steel.
- Heating element: Kanthal/SiC
- Insulation: Thick glass/ceramic/wool/Mineral insulation to reduce the heat loss.
- 30-Segment Easy Use PID Programmable Temperature Controller.
- Long Life B or S-Type Thermocouple.
- Control thermocouple should be inserted inside the chamber.
- Over temperature protection required.
- 2 year comprehensive warranty.
- Pre-despatch demonstration at the manufacturer site.
- Caster wheels.
- Warranty: 1 year.

4. Laboratory Fumehood

- Outer Chamber - Mild Steel.
- Inner chamber – Chemical and heat resistant PP/ FRP.
- Front door - Acrylic.
- Work Table Made up of 25mm thick granite
- Service fixture for gas and vacuum on work table.
- Sink with water connection with multiple inlet.
- Bottom Side Chemical Storage Cabinet.
- Caster wheels.
- Illumination inside the chamber with Fluorescent Lamp or UV Lamp
- Electrical Sockets: 15Amp 1 no., 5 Amp – 1no. & MCB Switch.
- Working chamber size: 4 ft L X 2 ft W
- Optional Fume hood with chamber size of 4 ft L X 3 ft W satisfying all other specifications.
- Warranty: 1 year

5. Analytical weighing balance

- Capacity : 220 gms
- Minimum Display : 0.1mg
- Pan diameter: Min 80 mm.
- Warranty: 1 year



Please quote the lowest price for the above item. The quotations should reach "Dr.Deepa K.G., Department of Physics, University of Kerala, Kariavattom, Thiruvananthapuram, Pin- 695 581, Kerala" on or before 05-05-2022, 3.00 pm.

Other conditions:

- 1.) Quotes should be inclusive of the cost, freight, taxes, installation, transportation charges etc.
- 2.) The rate quoted has to be valid for a period of one year.
- 3.) Payment will be made only after the supply of the items at our site.
- 4.) The undersigned reserves the right to reject/accept any quotation without assigning any reason.



Dr.Deepa K.G.
Department of Physics
University of Kerala

