

**Department of Biotechnology,  
University of Kerala, Kariavattom,  
Thiruvananthapuram-695581, Ph. No. 0471 2308778**

**No. Bio-Tech/DL/2023-24/001**

**Date: 14.09.2023**

Competitive Sealed Quotations are invited for the purchase of the **Equipments** with specification detailed below. Sealed quotations addressed to **The Head, Department of Biotechnology, University of Kerala, Kariavattom Campus, Thiruvananthapuram- 695 581** should reach **on or before 4th October 2023, 2.00 pm**. The quotation will be opened at 3.00 pm on 4th October 2023 at Department of Biotechnology, University of Kerala, Kariavattom campus.

**ITEM NO: 1**

**Equipment Name: BIOSAFETY CABINET**

**Quantity: 1 No.**

**Technical Specifications**

- Biosafety cabinet class II Type A2, size: 3 feet x 2 feet.
- Should be equipped with HEPA Filter (efficiency 99.99%).
- Heavy duty blower assembly with minimum noise and vibration.
- **Air Flow:** Vertical laminar air flow.
- Should provide double filtered air, rust free surfaces, working surface of stainless steel.
- Should have UV lamp, fluorescent/LED light, motor blower, manometer and gas cock.
- There should be custom plugs and provisions for connecting vaccum tubes and gas lines, should work on 220/230V 50 Hz AC
- Supply, ISO/CE certification.
- Warranty minimum 2 years.

**ITEM NO: 2**

**Equipment Name: MINUS TWENTY FREEZER**

**Quantity: 1 No.**

**Technical Specifications**

- Should have capacity >300 litres.
- Temperature range (-16° C to -25 ° C), digital display for temperature.
- Should have alarm for high/low temperature and open door, reversible door, sealed drawers.
- Should have lock for the door, heavy duty condenser, CFC free refrigerant.
- Should have cooling fan and frost free cooling, energy class A+.
- Warranty: Freezer minimum 2 years and compressor with minimum 10 years.

**ITEM NO: 3**

**Equipment Name: HORIZONTAL LAMINAR AIR FLOW CABINET**

**Quantity: 1 No.**

**Technical Specifications**

- Horizontal laminar air flow clean air cabinets which removes more than 99.9% air borne particles of size 0.3 micron and larger.
- Size of the cabinet = 3 feet x 2 feet.
- Should be equipped with HEPA filter (efficiency > 99.99%), heavy duty blower assembly with minimum noise and vibration.
- Should provide double filtered air, rust free surfaces, working surface of stainless steel, thick toughened glass panels on side, acrylic doors.
- Should have UV lamp, fluorescent/LED light, motor blower, manometer and gas cock.
- There should be custom plugs and provisions for connecting vacuum tubes and gas lines.
- Should work on 220/230V 50 Hz AC supply,
- Should have ISO/CE certification.
- Warranty minimum 2 years.

**ITEM NO: 4**

**Equipment Name: REFRIGERATED BENCHTOP CENTRIFUGE**

Quantity: 1 No.

**Technical Specifications**

- High speed refrigerated centrifuge with speed greater than 15,000 rpm, rotor for 24 x 1.5/ 2 ml tubes.
- Microprocessor controlled centrifuge with variable speed and time setting and with last run memory; Digital display for speed, time, temperature and error code.
- Refrigeration temperature up to -8 °C, Imbalance detection and lid lock safety feature, Automatic rotor detection feature, motor overload protection, emergency lid lock release, brushless DC motor, CFC free refrigeration system.
- Should have ISO/CE certification.
- Minimum warranty of 2 years.

**General Instructions:-**

- Incomplete & conditional quotations and quotations received after the due date will be summarily rejected without assigning any reasons thereof.
- The price should be inclusive of all taxes, duties, transportation, installation etc. Nothing extra will be paid in addition to the quoted rate.
- The Price should be quoted only in Indian Rupees.
- The quotation shall be typed and signed by the bidder.
- **Payment Terms:** The Department will release the payment only after inspecting the equipment and satisfy that the supply is as per the requirements. The payment will be made after successful completion of the supply on producing invoice in duplicate.
- **Validity of quotation:** Quotation submitted shall remain valid at least for 90 days from the date of opening the quotation.

- **Delivery and installation:** Proposed delivery schedule should be mentioned clearly. Delivery and installation should be made at the Department of Biotechnology, University of Kerala, Kariavattom campus, Thiruvananthapuram- 695581, without any extra cost.
- **Warranty:** Maximum warranty has to be given for the item and the supplier shall guarantee to repair/replace the items or its part, if found defective within the warranty period. The entire expenditure for repair/replace the item in this regard shall be borne by the supplier.
- **Service facility:** Supplier should mention their details of service setup and manpower in Trivandrum who are responsible for after sales service.
- In case of dispute arises, the decision of the University authority shall be final and binding on bidders.
- The undersigned reserves the right to reject or accept any or all the tenders received fully or partly without assigning any reason thereof.
- Please include the communication details of three customers/Firms in South India to which the instrument was supplied recently.
- **Those firms who are interested to quote more than one instrument should sent individual quotations for each item separately.**
- The Quotations will be opened at the office of **HOD, Department of Biotechnology, University of Kerala, Kariavattom Campus, Thiruvananthapuram** on **04.10.2023** at **3.00 pm.**

*Sd/-*

**Head**

Department of Biotechnology

University of Kerala

Thiruvananthapuram