

**CENTRE FOR BIOMEDICAL ENGINEERING  
INDIAN INSTITUTE OF TECHNOLOGY-DELHI  
HAUZ KHAS, NEW DELHI-110 016**

**Dated: 05.01.2015**

**Notice Inviting Quotations**

Sealed quotations in separate envelope of technical and commercial bid kept in one sealed outer envelope, are invited for **Class II Type A2 4 Feet Biological Safety Cabinet** as per specifications given below. Your sealed quotation should reach within 21 days from the date of advertisement to, **Dr. Neetu Singh, Block II-388, Centre for Biomedical Engineering, Indian Institute of Technology, Delhi (IIT Delhi), Hauz Khas, New Delhi-110016**. Your quotation must be super-scribed “**Class II Type A2 4 Feet Biological Safety Cabinet**”.

## **TECHNICAL SPECIFICATIONS**

### **CLASS II TYPE A2 4 FEET BIOLOGICAL SAFETY CABINET**

1. Biosafety cabinet class A-2–suitable for protection of operator, specimen and the laboratory environment from pathogenic microorganisms.
2. Cabinet should be provided with fixed/adjustable height stand, UV light, a set of detachable arm rest and electrical outlets.
3. Should include low power consuming 2 DC motors.
4. UV tubes for disinfection of air/surface, which can be programmable from 30 mins to 24 hours.
5. The product should be NSF 49 certified.
6. Microprocessor/ Microcontroller/ Microcomputer controlled system
7. Display panel showing real time information of overall cabinet status including operation safety and service requirements, to be provided.
8. Air filters should be HEPA- H-14 EN 1822 with 99.999% efficiency for particles of 0.3mm.
9. Single stainless steel working platform.
10. Fluorescent lamp of at least 1000 lux to obtain powerful glare-free lighting.
11. The unit should be capable of operating at ambient temperatures of 20-30 °C and relative humidity of 80%.
12. Noise level to be less than 65 db.
13. Recirculation of 70% of total air and exhaust 30%.
14. The equipment should have at least six (9.4 mm diameter) access ports.
15. The system should be equipped with independent pressure sensors to detect changes in pressure across the exhaust and downflow plenums.
16. The equipment should have a window which can be lowered for thorough cleaning of its inner surface.
17. The equipment should have a visual and audible alarm system to indicate correct working position of the front window.
18. The equipment should have a sloped front cabinet with 100 for user comfort.

19. An alarm should signal when 20% change in inflow/exhaust or downflow occurs, to alert the user that safety is compromised.
20. Airflow velocity should be displayed on the control panel for monitoring.
21. Power input to be 220-240 VAC, 50Hz fitted with Indian plug.
22. Power receptacles on the rear wall of the cabinet should be provided.

**Terms & Conditions:**

1. The quotations must have validity of at least four months.
2. Sealed quotations should be in separate envelopes of technical and commercial bid kept in one sealed outer envelope.
3. Please quote prices of imported items at FOB (Freight on Board) IIT Delhi inclusive of all taxes, freight and delivery charges.
4. The products will be used for educational purposes. Any applicable academic institution discounts should be offered and stated.
5. Detailed Brochures should accompany the offer.
6. If the bidder is an authorized dealer then the authorized Indian dealership certificate from the principals should be enclosed.
7. Two year comprehensive warranty.
8. Mode of payment as per institution rules
9. In case the items are proprietary products of the company, a proprietary item certificate stating the same must be provided.
10. Institute reserves the right to accept or reject any or all the quotations without assigning reasons thereof.
11. Details of User List with phone number and email ID should be provided.