

**Indian Institute of Technology-Kanpur**  
**Department of Biological Sciences & Bioengineering**

Enquiry No.: IITK/BSBE/JGR- 5620/2015-16/07

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**Enquiry for the Biosafety cabinet**

We would like to purchase a Biosafety cabinet for our laboratory. Offered product should take into account specifications given below.

**Technical Specifications:**

1. 4 ft cabinet , the Bio safety cabinet should be Type II class A2 in which closest to 70% Air should be re-circulated and 30% of the air should be exhausted
2. The dual DC motor must automatically adjust the airflow speed without the use of a damper to ensure continuous safe working conditions, even without maintenance adjustments.
3. The cabinet must use a pressure sensor to detect pressure drop across the supply filter, rather than in just one point across the down flow.
4. The front window must be a 10" sash opening and be made of laminated safety glass.
5. Drain pan (beneath the work tray) should be made up of Stainless steel to avoid contamination.
6. The front of the cabinet must be angled 10° to help minimize glare on the window to the user.
7. The cabinet must automatically reduce fan/blower motor speed to 30% when the front window sash is in closed position.
8. The Bio safety Cabinet should be NSF certified [NSF tested cabinet is not accepted]
9. The cabinet Should be provided with Microprocessor controller and large LED display for inflow and Down flow air velocity and hours of operation, Audible and visual Alarms for HEPA filter failure, blower failure, airflow speed failure, Incorrect window position.
10. The cabinet should be provided with taps for Vacuum, Gas, adjustable Height Stand, UV Light and one set of preferably detachable arms rest and.
11. The power consumption of BSC should not exceed 210 W for 4 feet size cabinet in normal working mode.

**Terms and Conditions:**

- Cost of the items including relevant accessories with technical specification should be mentioned in detail.
- Prices should include delivery up to IIT Kanpur.
- Validity of quotation should be at least for 90 days.
- Delivery period: within 30days from the date of purchase order kindly send your best offer (Technical offer separately) and the quotation along with your authorized dealer certificate to address given below.
- Comprehensive warranty for 3 years should be supplied



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