

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

Enquiry Number: BSBE/IITK/NC/JS-1, dated: 1.06.18

**Sub.: Inquiry for the supply of equipment for the “Biosafety cabinet”.**

Opening date: 02.06.2018 at 10:00 AM

Closing date: 22.06.2018 at 5:00 PM

Sealed quotes (technical bid and price bid separately sealed) are invited for the supply of **Biosafety cabinet** as per the specifications given in the next page.

Your quote should mention/include the following:

- Maximum discount if any should be offered and mentioned.
- Quoted price should include the cost for installation, warranty and required accessories (see below).
- Validity of the quote at least for 90 days.
- FOB (indicating port of shipment) and CIF (New Delhi) values should be quoted separately if import is required. For quotes in INR, the price quote should be for delivery at IIT -Kanpur.
- The quote should cover insurance for transport up to Kanpur.
- Indian agency commission if applicable (should be certified by the principal if no agency commission is applicable) in case of import.
- Authorization certificate from the principal if you are a local agent.
- Terms and conditions for the payment, including the banker's name of the principal and the account number, if any, for electronic transfer.
- Include proprietary item certificate if applicable.
- Technical literature to support your product (in technical bid).
- Users' list with contact address in technical bid.

The quote should reach the undersigned on or before 5 pm on or before 22.06. 2018. The envelope should be marked as **“Biosafety cabinet”**.

To,

Dr. Jonaki Sen  
Department of Biological Sciences & Bioengineering  
Indian Institute of Technology,  
Kanpur 208016 (UP)

For any query, contact: Dr. Jonaki Sen

Department of Biological Sciences & Bioengineering  
Indian Institute of Technology,  
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## Biosafety cabinet

***Essential components and features:***

***Item: Biosafety Cabinet Type II Class A2 – (Quantity 1)***

***Specification:*** Four (4) ft cabinet Bio-safety cabinet of Type II class A2 in which closest to 70% air should be re-circulated and 30% of the air should be exhausted. The working surface should not be less than 30” x 47” x 18” inches.

<ul style="list-style-type: none"><li>• 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.</li></ul>
<ul style="list-style-type: none"><li>• The cabinet must use a pressure sensor (rather than anemometer) to detect pressure drop across the supply filter, rather than in just one point across the down flow.</li></ul>
<ul style="list-style-type: none"><li>• The front window must be 8” sash opening and be made of laminated safety glass. Working area should be made up of stainless steel.</li></ul>
<ul style="list-style-type: none"><li>• Interior cabinet and Drain pan (beneath the work tray) should be made up of Stainless steel to avoid contamination.</li></ul>
<ul style="list-style-type: none"><li>• The front of the cabinet must be angled 10° to help minimize glare.</li></ul>
<ul style="list-style-type: none"><li>• The cabinet must automatically reduce fan/blower motor speed to 30% when the front window sash is in closed position.</li></ul>
<ul style="list-style-type: none"><li>• HEPA/ULPA Filter should be 99.995% MPPS(Most Penetrating Particle Size)</li></ul>
<ul style="list-style-type: none"><li>• The Bio safety Cabinet should be NSF certified, NSF tested cabinet is not accepted.</li></ul>
<ul style="list-style-type: none"><li>• 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.</li></ul>
<ul style="list-style-type: none"><li>• The cabinet should be provided with taps for Vacuum, and Combustible Gas Tap adjustable Height Stand, UV Light and preferably two set of detachable arms rest.</li></ul>
<ul style="list-style-type: none"><li>• Power Consumption in Normal mode: 200W ±10% supplied with Suitable voltage stabilizer.</li></ul>
<ul style="list-style-type: none"><li>• The supplier should have at least 20 installations Base of Biosafety in India.</li></ul>

**Warranty period (from date of installation):** should be 5 years