

## Department of Materials Science and Engineering

Date: 17/10/2016

Enquiry Number: IITK/MSE/VV/BC

We are interested to purchase biosafety cabinet for cell culture laboratory. The proposed machine should comply with or be better than each of the specifications mentioned in the Technical Specifications Section. Please carefully note and comply with the following instructions. If any of the instructions are not followed, the submitted bid will be disqualified.

1. Please submit your bids in two separate envelopes named “Technical Bid” and “Price bid”. The Technical bid should contain the detailed technical specifications of the proposed machine, photographs of the machine and other accessories offered. The Technical Bid should not contain any prices. The Price Bid should contain the technical specifications as well as prices in details.
2. The “Technical Bid” should contain one “Technical Compliance” statement, each page of which should have signature and seal of the prospective supplier. In this statement, each of the specifications mentioned in the Technical Specification should be re-written and the value (or range wherever applicable) offered in the proposed machine for the given specification should be specifically mentioned. This should be followed by stating whether the offered machine complies or does not comply with the concerned specification. If value offered by proposed machine for any of the asked specification is not specified or comply/does-not-comply for each specification not specified or any ambiguity is left in the specifications, the bid will be disqualified.
3. The prospective supplier should be either original manufacturer or 100% subsidiary or authorized agent of the original manufacturer of the offered machine. The Technical Bid should contain an original certificate obtained from the principal company to this effect.
4. The prospective supplier should have supplied the offered machine to at least 3 government or government-affiliated institutes, which should be either an IIT, IISc, NIT or a national laboratory like NML, NCL etc. The list of such personals having this machine and their contacts should be included in the Technical Bid.
5. Each of the envelopes should be appropriately marked as either “Technical Bid” or “Price Bid”. Enclose the two sealed envelopes in another bigger sealed envelope and send it to the address mentioned below.
6. Include proprietary item certificate if applicable
7. Institute is exempted for partial custom duty (CD applicable to IIT Kanpur is 5.15%). Prices quoted should be FOB (indicating port of shipment) and CIF (New Delhi) values separately if requires import.
8. Institute is exempted from payment of Excise Duty under notification No. 10/97.
9. The bids should reach the undersigned before 5 pm on **1<sup>st</sup> November 2016**.

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## **Technical specifications**

- Class II Biosafety Cabinet Type A2 design.
- Should include a germicidal UV lamp, set of arm rest, an electrical outlet and a support stand provided with leveling bases.
- Two Motor Design.
- Size 4 feet width and the front window must have 8/ 10” sash opening with working surface of stainless steel 304. Side wall of the working surface should be made-up of metal.
- Two motor design with differential pressure sensors across the Supply and Exhaust HEPA filters.
- Motor should be DC /ECM & must automatically adjust the airflow speed (balancing inflow and down flow) without the use of a damper to ensure continuous safe working conditions.
- The microprocessor must display the inflow and down flow air velocities in real-time on an LED/LCD display.
- Should have port for vacuum tubing and cables on the sides.
- HEPA/ULPA Filter should be 99.995% MPPS (Most Penetrating Particle Size)
- UV light must be programmable to allow for specific exposure times from 0 to 24 hours. Lightening power should >1100 Lux (100fc);cabinet noise level must be less than 65 dB(A)
- Cabinet should be NSF (National Sanitation Foundation) or EN certified by TUV-NOD and certificate of the quoted model should be attached.(NO DEVIATION WILL BE ACCEPTED)
- Power Consumption in Normal mode :200W  $\pm$ 10%
- CE certified with Warranty of 2 year at least.
- The supplier should have at least 20 installations Base of Biosafety in India.