

**Centre for Rural Development and Technology  
Indian Institute of Technology Delhi  
Hauz Khas, New Delhi-110 016**

Dated: 27<sup>th</sup> February, 2015

**Sub: Notice Inviting Quotation (NIQ) for the purchase of a Laminar Air Flow/Biosafety Cabinet.**

**Ref : IITD/IRD/PCF146/1256 Dated 25/02/2015**

**Last Date for submitting quotations: 20/03/2015**

We are in the process of purchasing a **Laminar Air Flow/Biosafety Cabinet**. The detailed specifications for the same are mentioned below. Vendors are also requested to read and fully comply with the terms and conditions mentioned below.

## Technical Specification

### Laminar Air Flow/Biosafety Cabinet

(One complete set)

	Specification
1.	Cabinet Should be of Class II Type A2.
2.	Work area and internal dimension (in mm) of cabinet should be >1200X550x650 mm approx.
3.	Cabinet should have usable work area >6 sq.ft. for better comfort on long working
4.	Cabinet should have inflow of 90 fpm and 60 fpm down flow.
5.	Microprocessor controlled with two ULPA (Ultra low penetration air)/class H14 HEPA filters with integral metal guards, efficiency of >99.999% at 0.1 to 0.3 $\mu$ to provide 65% down flow and 35% exhaust with under pressure condition in the working area.
6.	Cabinet should have frameless front window with non-reflecting safety glass and height limit alarm for front window.
7	Working area must match requirement for work with agents assigned to bio-safety levels 1,2&3
8	Cabinet should have very low noise level (<62db) and vibration free
9	Cabinet should have Fluorescent tube lights with >1200 lux illumination
10	Cabinet should have energy efficient motor and the motor must automatically adjust the airflow speed to ensure continuous safe working conditions.
11	Cabinet should have control system with visual and buzzer alarm with cabinet information. Instrument should have user friendly practical keyboard with LCD to display all required data like laminar airflow velocity, Frontal air flow velocity, Temperature, Life time of HEPA filter and UV Lamp.
12	UV light must be programmable to allow for specific exposure times. The automatic shut off feature on the UV light. The Cabinet should be provided with taps for Vacuum, Water and Non Combustible Gas.
13	Cabinet should have Air cleanliness of Class 3
14	Average air flow – down flow at initial set point; 0.30 m/s and inflow 0.45 m/s
15	Cabinet should be fitted with standard AISI 304L Stainless Steel perforated removable work-surface
16	Main body should be made up of 18 gauge electro-galvanized steel, with white oven backed epoxy powder coated finish and negative pressure plenum surrounds contaminated positive pressure plenum.
17	The Biological safety cabinet should comply International Standard Certificates like EN 12469, ISO 14644.1 and NSF/ANSI 49.

**Terms and conditions:**

1. A minimum comprehensive warranty with spares for 3 years from the date of installation of the instrument.
2. Letter from the manufacturer specifically to quote for this tender is to be attached for authenticity of dealership/ agency and the dealer should be authorized service provider.
2. Vendor should get a fresh certificate directly from their product principal's clearly mentioning about warranty for three years of the systems to be delivered.
3. Special discount/ rebate wherever admissible keeping in view that the supplies made for educational purposes in respect of the public institution of national importance may please be indicated.
4. Vendors should attach the relevant product brochures and list of users for the model quoted.
5. Validity of the quotation should be at least three months.
6. Vendors will do the installation and demonstration of the equipment at IIT Delhi premises without additional charges.
7. Taxes, terms and conditions should be clearly mentioned.
8. In the case the items are proprietary products of the company, a proprietary item certificate stating the same may be provided.
9. Specifications form should be similar to the given specifications sheet.
10. A compliance statement for required specifications should be attached.
11. Payment terms and conditions should be clearly mentioned. No advance payment is encouraged by IIT Delhi.
12. Firm MUST provide a compliance statement vis-à-vis specifications in a "tabular form" clearly stating the compliance and giving justification, if any supported by technical literature with clear reference of page number, paragraph or lines. This statement must be signed by the tendered for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification of the tender.

The quotation should be complete in all respects (as per IIT-Delhi rules).

**The Institute/ purchase committee has the right to accept or reject any bid or all quotations without assigning any reason whatsoever.**

Sealed quotations in separate envelopes of Technical and Commercial bids kept in one sealed outer envelope (super-scribed “Quotation for Laminar Air Flow/Biosafety Cabinet”) should be addressed to

**Dr. Hariprasad. P.**  
**Assistant Professor**  
**#387, III Block**  
**Centre for Rural Development and Technology**  
**Indian Institute of Technology Delhi**  
**Hauz Khas, New Delhi 110016**

The sealed quotations should reach the above mentioned address by 5.00 pm, 20<sup>th</sup> March, 2015.

**Clarifications and Enquiries:**

For any clarification and enquiries regarding specification of equipment please contact

Dr. Hariprasad. P.  
Tel: 8373904447 (Mob); 2659-1195 (O)  
Email: phari@iitd.ac.in

For any clarifications and enquiries regarding the submission of bids, please contact the Store Purchase Section, IIT Delhi (Tel: 01126591726).