



**THAPAR INSTITUTE**  
OF ENGINEERING & TECHNOLOGY  
(Deemed to be University)

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Enquiry No. TIET/CS/AG/19-20/19458

Date : December 05, 2019

**Sub:** Request for Quotation(s) for the Supply of Laminar Air Flow

Dear Sir,

We shall be grateful if you kindly let us have your lowest quotations for the following materials. THE QUOTATIONS SHOULD REACH THE UNDERSIGNED LATEST BY 12/12/2019 through courier or e-mail accompanied by appropriate illustrative literature/catalogues/pamphlets/technical details, samples and specifications as the case may be. On the quotation envelope/ subject the Enquiry Number & Date should be mentioned on the top of the Envelope/mail subject.

Sr. No.	Item Name	Qty.
1.	Laminar Air Flow  Specificatoin Sheet Attached  Note: Kindly send the technical & commercial quotes separately. Single quote will not be entertained.	1 Nos.

The offer sent by you must furnish the following details:

- Name, Make & specifications of each item.
- Price Breakup itemwise with MRP. (Treat it mandatory)
- Educational discount if any.
- Validity of quotation should be at least 60 Days.
- GST %
- Delivery FOR Central Stores TIET. Patiala
- Insurance, Freight & other charges if any.
- Minimum Delivery Period.
- Payment terms. Net 30 days against delivery & satisfactory installation at Thapar Institute, Patiala
- Guarantee / Warranty Information.
- Also please share your Companies Turnover and Market Share along with the offer.

Regards,

Head Commercial

## Technical Specifications for Horizontal Laminar Air flow

- The basic equipment should consist of a HEPA filter, pre filter, suitable blower assembly, necessary lighting, indicators and controls for the cabinet.
- Working area 4 ft x 2 ft x 2 ft
- Pre filter with Synthetic, non-woven polyester fibres must have casing of enamel painted CRCA frame with Retention of 10 - 15 Micron and 85 % Efficiency up to 0.5micron. Should be Washable with an arrestance of 90% or better
- Closed Inner Chamber should be fitted with HEPA having very accurate performance rate of air filtration, rated 99.99%, resulting in ceasing all air bore molecule of particle up to 0.3 micron in working Area of Laminar Bench.
- Blower should be high efficient centrifugal type with lifetime lubricated bearings.
- Working area of Laminar Airflow Cabinets should be of SS-304 or SS-316
- Working area of Laminar Airflow Cabinets should be illuminated by fluorescent light ;
- Cabinets operated at 230V. Single Phase 50Hz. AC Supply.
- Should be fitted with UV Germicidal lamp for sterilization.
- Should be Fitted with Acrylic Front Door sliding type
- Should be fitted with Manometer for Measurement of HEPA Filters Choking system with alarm.
- Should be fitted with Cock for Gas Connection.
- Should have Individual switches and indicator lamps for blower motor, florescent lamp and UV lamp (16A).
- Noise level less than 55dBA
- Spare HEPA Filters and PRE Filters- 1 SETS EACH, 2 Germicidal UV lamps should be provided.
- Height-adjustable lab chair, Ergonomic foot rest
- Warranty: 2 years

*K. S. Brahm*