



Pondicherry University
Department of Earth Sciences

Puducherry 605 014
India

Dr. D. Senthil Nathan
Professor and Head

Tel.: +91-413-2656741,2654426
Fax: +91-413-2656741
Email:senthilom@gmail.com

Ref. No: PU/ES/52/2018-2019/ 32

Date: 08.2.2019


Sir,

Sub: Quotation invited to supply of **Horizontal Laminar Flow Hood** for geochemistry laboratory- reg.

I invite sealed quotation for supplying the following item as per the terms given below.

S. No.	Name of the Equipment and Specifications	Quantity
1.	<p><u>HORIZONTAL LAMINAR FLOW HOOD: Product dimension:See in Annexure – I</u></p> <p>Product Features: Horizontal air flows to clean particulate, to sustain the contamination-free environment in working area. Room air is first cleaned with an electro statically charged prefilter and further cleaned with a HEPA filter then uniform laminar flow through the cabinet interior to protect the work from unfiltered air. <u>The Unit will be non-metallic, made up of Wood Melamine, Acrylic and Polypropylene (PP) materials.</u></p> <p>Filter: Prefilter and HEPA filter should be replaceable and detachable easily (desirable)</p> <p> 1. Prefilter: Non metallic designed to remove/filter dust particle from the air 2. HEPA filter: Non metallic, suitable for arresting particulate matters upto 0.3 microns in diameter at an efficiency 99.97%</p> <p>Task Lighting: Fluorescent/LED cabinet lamp located away from laminar flow area. Blower: High-performance centrifugal fan for blower assembly, blower with control switch on/off facility, Power: 220/230AC, 50Hz with MCB switch</p> <p>Pass Through Ports: Convenient rear-wall pass through ports for safe routing of instrument cords, cables and leads.</p> <p>Visibility: Clear back, front and side Acrylic sheet allow ambient illumination into the chamber and provide users with an unobstructed view of its contents. Bottom of platform will be Polypropylene</p> <p>Optional accessories: Quote following optional accessories may be required to supply along with Horizontal laminar flow hood</p> <p> 1. Prefilter 2. HEPA filter 3. Laminar Blower Motor assembly</p>	1No.

P.T.O


Dr. D. SENTHIL NATHAN
Professor & Head
Department of Earth Sciences
Pondicherry University
Puducherry-605 014

Body	Wood Melamine Blower/Motor/HEPA/Pre Filter Cabinet
Blower (AHU)	1400rpm, 1Ø, ¼ Hp, Dynamically and statically balanced
Filters	HEPA 0.3 microns, 99.97% efficiency, micro glass fiber media (imported) Pre - 10/5 micron, 99% efficiency, non-woven synthetic fiber media
Front Sash	Enclosure made out of Acrylic Sheet as per required dimensions with shutters and perforated PP Separator and exhaust port.
Tabletop Thick	PP Table Top 20mm
Flow	Horizontal flow air
Diff. Pressure Gauge	Magne helic Gauge 0-25mm WC
Lighting	Fluorescent/LED lighting with control switch
UV light	Make; Philips, 30W, Size: 3 feet UV germicidal lamp with time tantalizer along with switch & control switch
Electrical Switch	230 Volts, 1Ø, 50Hz, with 2 nos. of 5/15 amp. Switch socket (Combined) Velocity 90 ± 20 fpm
Noise Level	65 Decibel on "A" Scale ± 5
Other Accessories	Positioning and leveling the equipment Gas Inlet
Cleanliness	ISO Class 5as per ISO 14644-1.

Size:

Overall Size: W1829 x D750 x H1524mm Including Left side blower assembly and Right side exhaust assembly

Working Size: W1067 x D600 x H760m


Dr. D. SENTHIL NATHAN
Professor & Head
Department of Earth Sciences
Pondicherry University
Puducherry-605 014

Terms and conditions:

1. The quotation should be sealed cover should be submitted and superscribed as "*Horizontal Laminar Flow Hood for Geochemistry laboratory*".
2. The Last date for submission of Tender has been extended from 07.2.2019 to 18.2.2019 till 4.00PM
3. Quotation/Tender document fee Rs.500/- and EMD amount 3% of quoted price drawn in favour of "*The finance officer, Pondicherry University*" payable at Puducherry
4. The rate quoted should be on FOR destination basis and should be inclusive of GST, installation, freight charges at the Department of Earth Sciences.
5. The quotation should be addressed to "*The Professor and Head, Department of Earth Sciences, Pondicherry University, Puducherry 605014*"
6. The University shall not be responsible for any delay/loss or non-receipt of the tender by post/courier services
7. The University has the right to select or reject any quotation partly or fully without assigning any reason.
8. The bidder must enclose authorization letter from the respective global/national service providers of the above said equipment/unit.
9. Quote merely the lowest price does not confer any right to any bidder for award of supply order. The University's Purchase committee reserves the right to select the equipment any bid under the grounds of specification complains advanced quality, power performance tract record, brand reputation, service backup support and training, offer of additional/special features, compatibility with the existing system etc.
10. Payment will be made against bill after receipt of items in good condition with proper packing of above item at our premises. Advance payment or payment through bank against dispatch documents will not be entertained.
11. **Duty exemption:** The University has been granted the benefit of exemption from the payment of Central Excise duty by the Department of Scientific and Industrial Research (DSIR), vide their Notification No.10/97; dated 01.3.1997, in respect of a) Scientific and technical instruments, apparatus, software including computers, b) Accessories and spare parts of goods specified in (a) above and consumables, c) Computers software, compact disk, CD/ROM, recording magnetic tapes, microfilms, micro-chips etc., d) Prototypes.
12. Timely supply of the ordered items, installation, commissioning etc., (wherever is applicable) is the essential to the supply order. In the case of failure to supply any item within the time

Dr. D. SENTHIL NATHAN
Professor & Head
Department of Earth Sciences
Pondicherry University
Puducherry-605 014



specified in the purchase order, the decision of Pondicherry University shall be final in this regard.

13. **Warranty:** The equipment in the Tender should be covered under warranty, after installation for the quality, workmanship, trouble free operation and performance. The warranty period should be mentioned in the quotation.

14. **Liquidated damages:** Timely supply of the ordered items, installation, commissioning (wherever is applicable) and training etc. is the essence of the contract. In case of failure to supply within the time specified in the Purchase order, a penalty/LD of 0.5% of the total value per week or a part thereof shall be levied subject to a maximum of 7.5% in respect of items which are not supplied. The decision of Pondicherry University shall be final in this regard.

15. Out of total purchase price, 90% of the amount will be paid on satisfactory installations. Balance of 10% of the amount shall be retained as Security Deposit, towards satisfactory performance of the equipment, and which may be released on submission of a **performance bond supported by a Bank Guarantee** obtained from Nationalized Bank of India for the 10% of the total purchase value of item, for the duration of the Warranty period.

16. Those who have already sent their quotation need not bid again, and their earlier bid will be considered.

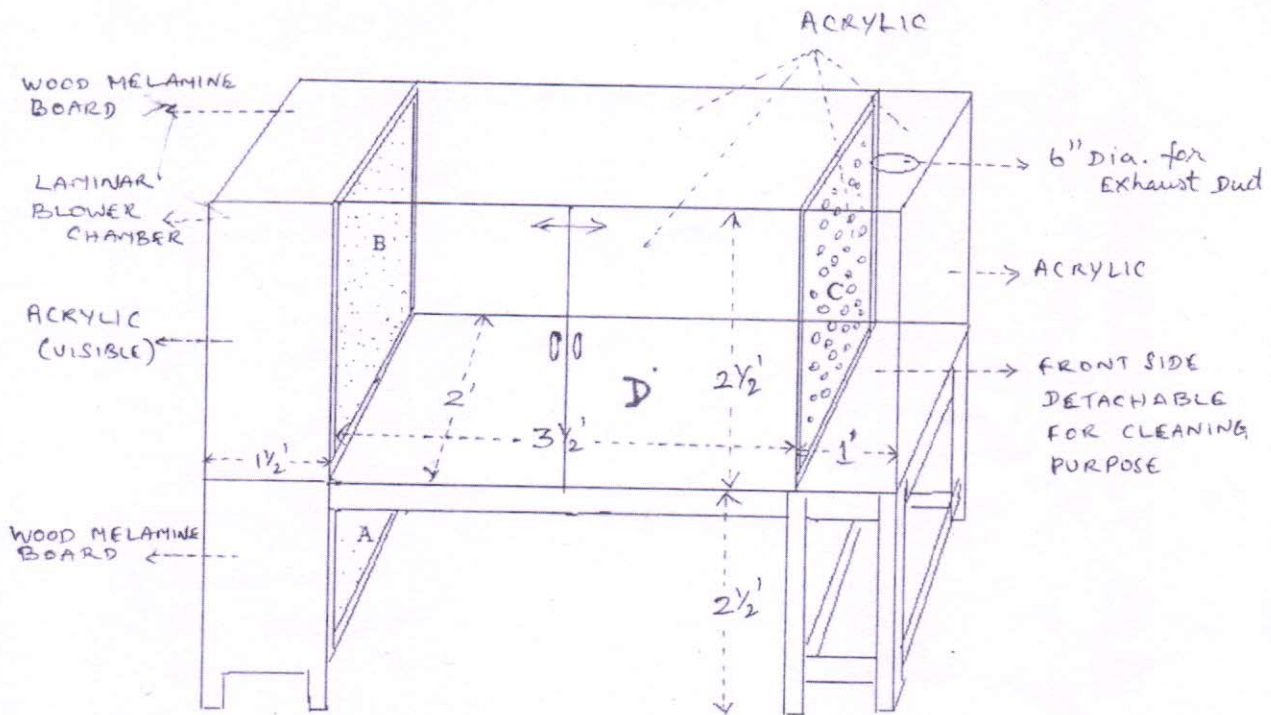


Professor & Head

Dr. D. SENTHIL NATHAN
Professor & Head
Department of Earth Sciences
Pondicherry University
Puducherry-605 014

ANNEXURE - I

HORIZONTAL LAMINAR FLOW HOOD



- A = PREFILTER (detachable)
- B = HEPA FILTER (detachable)
- C = PERFORATED PP BOARD (POLYPROPYLENE BOARD)
- D = Work platform made of 20mm thick PP Board

Dr. D. Senthil Nathan

Dr. D. SENTHIL NATHAN
Professor & Head
Department of Earth Sciences
Pondicherry University
Puducherry-605 014