

ENQUIRY

Ref: NCB/CA19-194/192268(V)

January 30, 2020
=>By Speed Post/Courier

Dear Sirs,
Please let us have your Quotation for the following :

Sl.No	Item Description	Qty
1	<p>Chemical Fume Hood with FRP ducting and accessories</p> <p><u>Specification for chemical Fume hood with base cabinet</u></p> <ol style="list-style-type: none"> 1. The system should be 2 feet Chemical Fume Hood and should be supplied with base cabinet with suitable shelves to store the chemicals 2. The system should be Heavy duty GI construction superior chemical, corrosion and scratch resistance with epoxy powder coated. 3. The system should have intelligent Smart Sash system which should detects the operator presence. And should close the sash if no operator is present for over 2 minutes. 4. The system should have Provision to lock the fume hood in case of any contamination 5. The system should have removable hinged Top Panel for Easy access to valves and Electrical Lighting fixtures for maintenance 6. The system should have Vertical rising counter balanced sash and it should be made up of toughened Glass. 7. The system should have One finger operation of the sash at any position 8. The system should have factory installed Electrical sockets, switches (2 nos) and gas points which should be Fire retardant and Built-in starter for blower 9. The system should be supplied with airflow monitor with LED display of all parameters 10. The system should be supplied with Highly chemical resistant granite top with sufficient work surface with Internal water wash system for continuous cleaning of internal surface 11. It should supply with alarm in case of system failure. 12. The system should be supplied with Auto fire extinguisher in case of fire as a safety. 13. The system should be supplied with proper sink and water connection with tap for easy drainage. 14. Fixing of suitable FRP duct with suitable motor and canopy and taking duct to the terrace is in vendor scope. Therefore, ducting work should be quoted separately (Specification attached) 15. Base cabinet should be supplied with storage area with castors wheels Level 	01.00 No.

- adjusting legs for easy portability and maintenance
16. It should meet international standards (ANSI Z9.5, ASHRAE 110, EN14175)
 17. Vendor should visit the site for better understanding the requirement and take measurement before the quote is being forwarded.
 18. The system should be supplied with all the accessories required to function
 19. System should operate at 230 V/ 50 Hz.
 20. The system should be CE/ ISO certified.
 21. The system should have the warranty for 3 years.
 22. The vendor should have the site visit for better understanding the requirement.
 23. The system should be installed by the trained Engineer and should be trained on Application, operation and maintenance.
 24. The product should be as per CE/IEC guideline and certificate from authorized body should be submitted. No self-declaration will be accepted.
 25. Compliance to each of the above points should be separately indicated and evidence presence for each of them (Product brochures should be highlighted wherever required).
 26. The service team should be stationed in Bangalore. Contact details of Engineer and office Address should be submitted with this offer.
 27. The past performance/service support in NCBS/INSTEM/CCAMP should be satisfactory and the technical evaluation will be done accordingly.

SPECIFICATIONS FOR FRP DUCTING AND ACCESSORIES

1. The Fiberglass reinforced plastic ducting (FRP) should be 8' Diameter for fume hood
2. Work involves supply of branded 3HP and 2HP blower motor for outdoor installation.
3. Motor should be suitable for operation with 415V/2HP/50Hz electrical supply. Motor supplied shall be in accordance to IEC standards and with suitable enclosure and blower attached.
4. The blower motor shall be robust in construction and suitable for continuous heavy duty operation. It shall be mounted with ease of maintenance and shall be installed with proper vibration isolators to minimize vibration transmission to ductwork and support structure.
5. The system should be supplied with suitable canopy
6. The material of construction for Blower shall be fire retardant polypropylene (PPs) for fire safety and suitable for use against corrosive 'medium' and a maximum allowable operating temperature of 70°C. No metal parts shall be exposed and in contact with the airstream.
7. Fans selected shall be silent and vibration free when running and suitable for outdoor use and shall not exceed designed impeller speed.
8. The system should be supplied with suitable Dampers
9. Manual dampers should be equipped with manual stainless steel adjustable

<p>locking handles with control valves</p> <ol style="list-style-type: none"> 10. FRP Lining to be done on the outer surface of PPGL I.e. on mat side with each layer of FRP shall be approximate one mm 11. The system should be quoted with bends, T Joints, clamps etc. 12. Duct support distance should not be more than 2 meters. 13. The connectivity from the Fume hood to FRP ducting by Flexible hose around one meter with suitable clamps should be a part of the offer. 14. The finish paint should be admiral grey unless specified 15. The noise level of blower motor system should be less than 70 dB 16. Necessary scaffolding, staging and ladders required should be provided by Contractor. 17. The safety of men, materials and tools used by the contractor towards this work, is wholly responsibility of the contractor. In no case, NCBS will be responsible for the safety of men, materials and tools used by the contractor. 18. The final measurement will be taken and will be paid as per the running meter for the ducting. 19. The system should be quoted with all the accessories required to complete the work 20. The vendor should compulsory have the site visit for better understanding the requirement before they quote. If they failed to have the site visit their offer will be liable to reject. 21. The entire system should have the warranty for one year. 	
<p>NOTE :1. Please provide authorization letter from OEM along with quotation. 2. The Price quoted against this RFQ should be extended to Bangalore Life Science Cluster (BLiSc)of NCBS, Instem and C-CAMP for placing repeat order as per norms, by any one or all institutes of Bangalore Life Science Cluster (BLiSc)</p>	

1. The quotation shall be submitted in a sealed envelope duly superscribed with the enquiry number, and the due date for Ref No: 192268.. The bids should be addressed and to be mailed/couriered (sent by post/courier) to 'THE HEAD-PURCHASE'.
- The bids are liable to be rejected if the sealed envelope is not addressed to "THE HEAD-PURCHASE" with Tender Ref No. and Item Description and due date. The bids delivered in person shall be dropped in Purchase Section. If the bids are sent through courier or mail, it should reach by submission date and time and NCBS will not be responsible for the delay.
2. **DUE DATE FOR SUBMISSION OF QUOTATION AGAINST THIS ENQUIRY IS 19/02/2020 BY 5.30PM.**
3. **QUOTATIONS RECEIVED AFTER THE DUE DATE SHALL BE REJECTED.**
4. The validity of your quotation should be for 60 days from the due date.
5. All duties, taxes, surcharge and cess as currently applicable must be stated in your quotation, separately. Otherwise your quote is liable to be rejected.
6. Your quotation should indicate delivery period & warranty period.
7. Delivery to be made to our stores. Please indicate charges, if any extra. Transit Insurance should be done upto NCBS Stores.
8. If you are unable to supply the quality, specifications or brand as mentioned in our enquiry, please state so and then offer alternative to quality/specifications.
9. Payment: within one month after delivery & acceptance/satisfactory installation.
10. Please ensure that the enquiry number and the due date is superscribed on the envelope failing which your quotation is liable to be rejected.
11. Since we are a public funded research institution, we are exempted from paying Customs duty (Except

advalorem duty of 5% + 2% Cess and 1% Cus Sec & High Edu. CESS vide Notification No.51/96 with latest amendments) and excise duty vide Notification No. 10/97 CENTRAL EXCISE dated 01-03-1997 for all scientific equipments, technical instruments, equipments (including computers), their accessories, spares, consumables and software. Hence, please offer your prices.

12. If the item is covered under DGS&D rate contract, please quote the rate as per the DGS&D rate contract with xerox copy of the DGS&D order.

13. Any dispute or differences that may arise between the parties shall be referred to the sole arbitration of the Centre Director or his nominees. The decision of the arbitrator shall be final and binding on the parties. The venue for arbitration shall be Bangalore. The provisions of the Arbitration and Conciliation Act, 1996 as amended from time to time shall apply. The courts in Bangalore shall have exclusive jurisdiction to deal with any or all disputes between the parties.

14. The quotations may be submitted in USD, Euro, GBP, JPY and any tradable currency.

15. TIFR-NCBS is a public funded research institute and is entitled to concessional rate of GST @ 5% for certain items supplied for reresearch purpose vide notification no. 47/2017 and 45/2017 dated 14th Nov, 2017. The offer should be submitted after fully considering the above notification.

16. Liquidity Damages: If the equipment/ items as per specifications in our P.O. is not supplied (shipped) within the specified delivery schedule, then liquidated damages (not in terms of penalty) will be imposed automatically and shall be deducted from the bill at the rate of 0.5% per week subject to a maximum of 10% of the order value.

17. Income Tax at the applicable rates as per the Indian Income Tax Act 1961 will be deducted at source for the services availed / ordered. In case of service provider, the rate of tax deduction shall be at 2% as per Section 194C, and in case of fee for professional / technical services.

Yours faithfully
For and on behalf of
National Centre for Biological Sciences



Head Purchase