



national centre for biological sciences  
tata institute of fundamental research

National Center for Biological Sciences  
Tata Institute of Fundamental Research  
GKVK, Bellary Road, Bangalore 560 065. India  
Tel. No : 080 2366 6347  
Email: shabeentaj@ncbs.res.in, www.ncbs.res.in  
ENQUIRY

Ref:NCB/CA19-58/191119

19-09-2019

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

Si No	Description	Qty
1	<p><b>Technical Specifications for Bio Safety cabinet:</b></p> <p><b>Specification</b></p> <ol style="list-style-type: none"><li>1. The Bio safety cabinet should be Type A2 in which 70% Air should be re-circulated and 30% of the air should be exhausted</li><li>2. The Bio Safety Cabinet must include two DC motors. High power consuming AC motors should not be used</li><li>4. The microprocessor must display the inflow and down flow air velocities in real-time on an LED display.</li><li>5. The front window must be a 10" sash opening and be made of laminated safety glass to ensure containment of potentially hazardous samples in the case of accidental glass breakage.</li><li>6. The cabinet noise level must be less than 63 dB(A) for a 4 foot cabinet as measured in a sound proof room 12 inches in front of the cabinet and 15 inches above the work surface.</li><li>7. The cabinet must automatically reduce fan/blower motor speed to 30% when the front window sash is in closed position to ensure reduced energy consumption when the cabinet is not is use.</li><li>8. In order to provide maximum effectiveness, efficiency and safety to laboratory Personnel, UV light must be programmable to allow for specific exposure times from 0 to 24 hours. The automatic shut off feature on the UV light saves money on replacement of the bulbs.</li><li>9.The Cabinet should have provision to fit taps for Vacuum, Water and Non Combustible Gas.</li><li>10.The Bio safety Cabinet should be NSF certified with listing on NSF website.</li><li>11. The Bio safety cabinet should incorporate HEPA filter of the class H 14 EN 1822 or better and having minimum efficiency of 99.995% at 0.3 <math>\mu\text{m}</math> particle size.</li><li>12. Ventilation System Exhaust and Inflow air volume approx 300-350 CFM</li><li>13. Heat Emissions at 25°C should be approx 0.2 KW or lesser.</li><li>14.The Bidders should provide details of Standard Warranty available .</li><li>15.The cabinet Should be provided with Microprocessor controller and large LED display for inflow and Down flow air velocity and hours of operation, Audible and visual Alarms for HEPA filter failure, blower failure, airflow speed failure, Incorrect window position.</li><li>16.The BSC must incorporate an LED Indicator to indicate filter loading and should provide visual and audible alarm to indicate excessive HEPA filters loading which can result in unsafe airflows deviation from the NSF recommended inflow and down flows air velocity values measured in meters per second or foot per minute.</li><li>17.The cabinet should be provided with fixed / adjustable Height Stand, UV Light and one set of detachable arms rest and one / two electrical outlet.</li><li>18. The Drain Pan of the BSC should be made of Stainless Steel. The drain pan should not be painted or power coated.</li></ol>	1 No

	<p>19. The Bio safety cabinet should have dual side wall with negatively pressurized interstitial space.</p> <p>20. Warranty -1 Year</p>	
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**1. The quotation shall be submitted in a sealed envelope duly superscribed with the enquiry number, and the due date for ..... Ref No: 191119. The bids should be addressed and to be 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 03-10-2019 BY 5.30 PM.**

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 ad valorem 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. "Liquidated 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.

15. TIFR is a public funded research institute and is entitled to concessional rate of GST @ 5% for certain items supplied for research 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. 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