

Ref: C-CAMP/L-081/2021-22 (C)

July 23, 2021

ENQUIRY

Dear Sirs,

Please let us have your lowest quotation for the following:

Sl. No.	Item description	Qty.
1	<p>Biological Safety Cabinet Class II Type A-2</p> <p>Technical Specifications</p> <p>The Bio safety cabinet should be made of seamless stainless steel 304 grade with Heavy Gauge with approximately inner dimension of the chamber 1200 X 600 X 650 mm.</p> <p>The system should have Outer body with Powder coated and inside stainless-steel and should be supplied with Suitable stand and heavy duty lockable castor wheels.</p> <p>The system should have microprocessor controlled electronic circuitry and it should have Real time display of parameters like in/down flow velocity, airflow volume, Static pressure, negative pressure, accumulative running time of fan and UV lamp, left lifetime of filter to ensure the user to operate safely</p> <p>The work surface area should be in two part, Front perforated portion and none perforated working zone. The table surface should easily removable for cleaning below the work surface for spillage management.</p> <p>The Bio Safety Cabinet should have dual DC motors. High power consuming AC motors should not be used.</p> <p>The motor should automatically adjust the airflow speed without the use of a damper to ensure continuous working.</p> <p>The cabinet should be 30 % exhaust and 70% down flow with inflow velocity around 110 ± 5 fpm.</p> <p>The system should have integrated system in which the supply blower fails the exhaust blower should continuously run. In case of failure of exhaust blower, the supply filter should be turned off automatically</p> <p>Front door should be made of polycarbonate/ toughened glass. It should have vertical sliding door and control with counter weight arrangement with level alarm system and the front window must be a 10" sash opening</p> <p>The system cabinet must be angled 10° to minimize glare on the window to the user for comfortable working condition.</p> <p>The noise level must be less than 63 dB(A)</p> <p>The system must automatically reduce fan and blower motor speed to 30% if the front window sash is in closed position to reduce the energy consumption when the cabinet is not is use.</p> <p>The system should have pressure sensor to detect pressure drop across the supply filter. The pressure sensor must be encased in order to protect the sensor from temperature, humidity and other environmental condition which can impact the sensor performance.</p> <p>The UV light must be programmable to allow the exposure time from 0 to 24 hours. and also it should have automatic shut off feature.</p> <p>The cabinet should be equipped with suitable HEPA/ ULPHA filter, with efficiency of 99.995% for the air filtration. The cabinet should give class 100 clean air in chamber.</p> <p>The System should have suitable fluorescent lamp and UV lamp. The UV lamp should be placed in such a way that the light should not be in direct view of user. It should have interlinking with door opening and there should be timer for UV light ON time.</p> <p>System should be provided with Universal Service fittings for gas, air, vacuum and gas burner.</p> <p>The system should have the Ventilation System Exhaust and Inflow air volume approx 300-350 CFM</p> <p>The BSC should have LED Indicator to indicate filter performance with visual and audible alarm to indicate excessive HEPA filters loading as per the NSF recommended inflow and down flows air velocity values measured in meters per second or foot per minute</p> <p>The BSC should be provided with fixed / adjustable Height Stand, UV Light, fluorescent lamp, and one set of detachable arms rest and two electrical outlets.</p> <p>The drain pan of the BSC should be made of Stainless Steel and it should not be painted or power coated.</p> <p>The Bio safety cabinet should have dual side wall with negatively pressurized.</p> <p>The cabinet should have alarm for Filter replacement warning, pressure drop, for low Inflow and down flow, door opening and other critical parameters.</p>	2 Nos.

<p>Unit should have indicator/ buzzer if the window is opened above the recommended level.</p> <p>The system should have statically and dynamically balanced for air pressurization and it should have special vibration reducing system to suit low noise and vibrations</p> <p>The cabinet should be based on NSF 49/ ANSI 49/ EN-12469:2000/ ETL/ CE certification and as per the WHO and should be listed in NSF website</p> <p>The system should be supplied with all the accessories required to function.</p> <p>Installation, validation/ performance demonstration should be carried out at site with all proper instruments and certificate should be produced at the time of installation</p> <p>The system should operate at 230V, 50 Hz AC power</p> <p>Compliance to each of the above points should be separately indicated and evidence of presence for each of them (Product brochures should be highlighted wherever required).</p> <p>The system should be supplied with 3-year warranty as a part of the offer.</p> <p>The System should be CE/ISO Approved</p> <p>The system should be power efficient and low power consumption.</p> <p>The service provider should have the base in Bangalore. Office address and service Engineer contact details should be enclosed with the quotation</p> <p>The past performance/service support in NCBS/instem/ccamp (Blisc) should be satisfactory and the technical evaluation will be done accordingly.</p>	
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Note:

1. The quotation shall be submitted in a sealed envelope duly superscribed with the enquiry number, and the due date for Ref No:..... 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 CCAMP/NCBS will not be responsible for the delay.

2. DUE DATE FOR SUBMISSION OF QUOTATION AGAINST THIS ENQUIRY IS 13/08/2021 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 CCAMP 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. 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.

12. 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

13. Since we are a 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

14. 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.

15. CCAMP 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. 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

Chetana
23/7/21

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