



**Dr. N. Radhakrishnan International Centre for  
Medical Innovation**  
MAHATMA GANDHI UNIVERSITY  
Priyadarsini Hills, Kottayam, Kerala, India -686560



**Dr. Radhakrishnan E. K.**

**Director (Hon.)**

NRICMI/03/Tender/2024

Dated: 18.01.2024

**SHORT-TENDER NOTICE**

The Hon. Director, Dr N Radhakrishnan International Centre for Medical Innovation (NRICMI), invites sealed competitive Tenders from reputed firms for the purchase of the "Biosafety Cabinet" as per the specifications mentioned below. The sealed covers containing Tender details are to be superscribed "Tender for Biosafety Cabinet" and sent to The Director, Dr N Radhakrishnan International Centre for Medical Innovation (NRICMI), Room no 703, 6<sup>th</sup> Floor, Convergence academia complex, Mahatma Gandhi University, P.D Hills P.O, Kottayam- 686560. Submit two separate sealed covers for the two-bid tender, with one cover containing the financial bid and the other containing the technical bid.

Last Date of Receiving Tenders: 29.01.2024, Time: 3.00 pm

Opening date of Tenders: 30.01.24, Time: 10 am

**SPECIFICATIONS:**

**Biosafety Cabinet**

Bio-Safety Cabinet should be Class II Type A2, 4 Feet with Digital Display of Microprocessor Based Real-Time Functions.

The material construction of the Biosafety Cabinet Should be a Galvanized Iron Sheet with Epoxy Polyester Thermosetting Powder Coating of 60-80 microns, 1.5 mm Thickness G.I. sheet. Anti-Microbial Powder Coated or better specifications.

The Equipment should have a downflow velocity of 60 FPM at 4" from the ULPA Grill or better.

The design of the biosafety should be Class II – A2 compliant and approximately 30% of the air volume exhausted as sterile air back into the environment and approximately 70% of the air should be re-circulated inside the work area.

The equipment should meet the Cleanliness class of ISO Standard 14644 -1 ISO Class 3 or better

Noise Level Should be Less Than 60 Db at 1 Meter from the face of the filter

The biosafety should have air filters of the following specifications or better:

a) ULPA Final =  $0.12\mu$  with an efficiency of 99.9995%

b) ULPA Exhaust =  $0.12\mu$  with an efficiency of 99.9995%

The Equipment should have a One-piece full view frameless sliding toughened glass door 6 mm thick with a Motorized automatic door or better specifications.

The equipment should have ULPA Filter Grill - SS 304 grills duly perforated and polished.

The Motor Blower Assembly should be Centrifugal Fan KDD 9/7 variable speed.

The biosafety should have Feather touch microprocessor control for Switches & Speed Controller.

The Internal Work Area should be Complete Stainless Steel 304 with rounded joint less corners

The Biosafety should come with Magnehelic Pressure gauge.

The Biosafety should have Alarm for Excess Height opening and automatic cut off for UV tube when the door is open.

Interlocked switches for UV & Lights.

The equipment should have Stainless Steel drain collection system.

Raised arm rest prevents grille blocking, and provides comfortable working posture.

Single-piece work tray to contain spillage with sloped easy-to-swipe perimeter

The Equipment should be ergonomically designed with angled cabinet front which is sloped at around  $10^\circ$  for enhanced comfort and reduced operator fatigue.

For easy servicing all cabinet components, including ULPA filters are easily accessible from the front /back to allow for rapid service and minimal work disruption during preventative maintenance and recertification.

The Biosafety should have 2 Nos of tube light 1.5 feet length G15T8 15 Watt ultra violet lighting, 5/15 Amps Socket (1 nos), Gas / Vacuum Cock (1 nos).

Single phase 230V, 50Hz power supply or better.

Note:

All the accessories and spares for installation and demonstration should be supplied by the firm along with the instrument. The instrument should meet all the specifications given in the tender and minor variations will be examined by the technical committee before acceptance/rejection of the tender. Loading, unloading and transportation costs will be met by the bidder. The instrument should be supplied in the Research lab, Room 703, Dr N Radhakrishnan International Centre for Medical Innovation (NRICMI), Mahatma Gandhi University, P.D Hills P.O, Kottayam- 686560.

For more details contact Dr N Radhakrishnan International Centre for Medical Innovation (NRICMI), Mahatma Gandhi University, P.D Hills P.O, Kottayam on all working hours.

Terms & Conditions:

1. Tender form can be downloaded from the official website of Mahatma Gandhi University (<https://www.mgu.ac.in/uploads/2020/08/Tender-Form.pdf?x99264>) and the Tender form rate-0.2% of the quoted amount (Lowest amount = Rs. 400/- +GST, Maximum amount = Rs.1500/- +GST) can be paid by online in the University online payment system and challan should be attached along with the Tender.
2. The Tender Amount should be including all taxes.
3. Tenure of Tender should be three months.
4. A preliminary agreement in document paper of Rs. 200/- has to be submitted along with the tender.
5. Earnest Money Deposit (EMD) calculated @ 1% of (quoted amount) the Purchase assessment cost (PAC) should be paid by through the University's online payment ([www.mgu.ac.in](http://www.mgu.ac.in).online payment - miscellaneous) or Demand Draft in favour of The H O D, School of Biosciences and submitted along with the sealed tender.
6. An agreement must be submitted by the qualified bidder and should submit 5% of the PAC as the security deposit.
7. Tenders received after the last date and time should be rejected. The Registrar has the right to accept or reject the tender without any reason. If the tender opening day is a holiday it will open in the next office working day.

8. If not received the minimum number of tenders, the last date will be extended to the next 15 days.

9. If more tenders are received during the extended period, the first received tenders are also to be considered.

10. Final payment should be released only after the proper installation and satisfactory report from the Technical Officer, School of Biosciences.



Hon. Director,

NRICMI, MG University

**Dr. RADHAKRISHNAN E. K.**  
Hon. Director  
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