



**Department of Biochemistry**  
**University of Kerala**  
**Kariavattom, Thiruvananthapuram, Kerala 695 581**

Date: 28 October 2021

BCH/UOK/Plan/NBL/VV5/2021

Sealed quotations are invited from the reputed firms/ manufactures/distributors for the supply of **Biosafety cabinet** with relevant specifications with on or before 10 November 2021 at 4.00 PM. Sealed quotations should be addressed to Principal Investigator, Setting up of neurobiology lab – Department of Biochemistry (Plan Fund), Department of Biochemistry, University of Kerala, Thiruvananthapuram - 695581 with superscription "**Biosafety cabinet**". The quotation will be opened on 11 November 2021 at 3 PM in the presence of such tenderers or their authorized representatives who may be present at that time. Bidders have to note *Appendix - Technical Specifications and Appendix II- Terms and Conditions* and should attach the relevant documents along with the quotation.

**APPENDIX - I**

Purpose - A Class II, Type A2 Biosafety Cabinet (BSC) is required for providing protection to personnel, product, and environmental through filtered air, laminar or unidirectional air and a motor blower.

SL No.	Technical specifications for biosafety cabinet
1.	A microprocessor controlled biological safety cabinet of size 3 x 2 x 2
2.	A single piece stainless steel interior
3.	A main body of 1.2 mm 18-gauge electro-galvanized steel with white oven-baked epoxy polyester anti-microbial powder-coated finish
4.	A work zone made of abrasion and corrosion resistant SS304 grade with 4B finish
5.	Antimicrobial powder coating to inhibit microbial growth for safety improvement and this should be mentioned in brochure provided with the instrument
6.	Ultra low particulate air ULPA filters with 99.999% efficiency or better at 0.3-0.1

	µm
7.	One Direct Current Electronically Commutated Motor (DC ECM)
8.	70% more energy savings capacity
9.	Auto-compensating feature that adjusts blower speed in order to maintain the optimum airflow in case of filter loading.
10.	An exhaust
11.	The average airflow velocity (Inflow) should be 0.53 m/s (105 fpm)
12.	Low noise emission of less than 60 dBA
13.	Ample lighting on the inside and timer-connected UV light for surface decontamination
14.	Fluorescent lamp intensity: $\geq 1200$ Lux - Optional UV lamp (253.7 nm)
15.	Caster wheels
16.	LCD display
17.	Soft touch keys for Blower, Light, and UV lamp with LED indicator
18.	QuickStart mode and standby mode
19.	UV timer
20.	Audible and visual alarms
21.	Ergonomic design and easy-to-service.
22.	All electrical components located at the back of the front panel
23.	A control panel that is easy to use
24.	An angled arm rest for comfortable working position
25.	Easy-to-reach electrical outlets located at the sides of the cabinet
26.	Easy-to-clean coved corners in the working area and smoothly finished corners of the drain pan
27.	Spill-containing single-piece work tray with large tray handles
28.	Certification for safety cabinet: certificate should be attached for the quoted model
29.	Certification for Air Quality: ISO 14644.1 Class 3 air quality
30.	ISO, CE and UL certification
31.	All certifications should be provided by the supplier along with the bid.
32.	A warranty period of 3 years and a warranty card should be provided with the supplier.

## APPENDIX – II

### Terms and conditions

1. The prices quoted should be that applicable for educational institutions (5% GST)
2. The item should have a warranty of 1 year
3. The firm should extend service within 24 hours.
4. Prices are to be quoted FOR DESTINATION (Department of Biochemistry, University of Kerala, Kariavattom). The prices quoted should clearly indicate the 4 following charges: Price of the equipment including taxes; Price of optional accessories if any; Customs duty if any (after submission of custom and excise exemption certificate); Customs Clearance Charges, transportation charges and installation charges. If these details are not provided it will be considered that the price quoted is inclusive of all charges.



5. Technical Bid and Financial Bid must be placed in individual sealed envelopes and these envelopes must be placed inside a bigger envelope.
6. Only one model can be quoted in a tender. If the tenderer wants to quote for more than one model separate tenders should be submitted. If more than one model is quoted in single tender it will be summarily rejected.
7. Performance Certificate of the specified model should be attached along with the quotations.
8. The undersigned reserves have the right to reject any or all of the tenders received without assigning any reason thereof.
9. If any of the components is found to be defective during the warranty period, the vendor has to replace the defective item immediately at their own cost.
10. **Supplier authorization letter and specification compliance sheet to be provided along with the quotation.**
11. Quotations should also include all the supportive work for installation, loading and unloading of the equipment.
12. The interested bidders shall submit their best possible offer before last date to the undersigned.
14. The rate quoted shall be valid for a period of one year.
15. The country of origin certificate is required.



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