



DEPARTMENT OF BIOCHEMISTRY UNIVERSITY OF KERALA, INDIA

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QUOTATION NOTICE

(BCH/BIOSAFE/NONPLAN/EQUP-1/2022)

Sealed quotations are invited for the supply of **CO2 INCUBATOR** with relevant specifications with on or before 14/03/2022 at 4.00 pm. Sealed quotation should be addressed to **Dr. Janeesh P.A, Assistant Professor and Principal Investigator, Establishment of Biosafety Laboratory, Department of Biochemistry, University of Kerala, Thiruvananthapuram-695581** with superscription “Quotation for the supply **CO2 INCUBATOR**”. The quotation will be opened on **15.03.2022 at 11.00 AM** in the presence of such tenderers or their authorized representatives who may be present at that time. The rate quoted shall be valid for a period of one year. Quotations should also include all the supportive work for installation, loading and unloading of the equipment. Bidders have to note the Appendix I -Technical Specifications and Appendix II - Terms and Conditions and should attach the relevant documents along with the quotation.

Name of the Equipment: CO2 INCUBATOR

APPENDIX I- TECHNICAL SPECIFICATIONS

SPECIFICATION DETAILS

- Chamber capacity will be 180 Ltrs or More
- Polished stainless steel interior chamber is designed with coved corners to simplify cleaning.
- Removable humidity pan
- Direct heat Chamber- In-chamber fan gently distributes air throughout the chamber ensuring homogeneous conditions.
- Sturdy stainless steel shelves and supports can be removed without tools.
- On demand 140°C overnight (14 hours) sterilization cycle simplifies cleaning and eliminates the need for separate autoclaving and reassembly of components.
- Instrument should be having features of effectively eliminates bacteria, mold, yeast, and mycoplasmas from internal surfaces.
- Temperature range should be Ambient +5°C to 50°C.
- Over temperature setability: 0.1°C.
- Relative humidity will be <90% at 37°C
- Humidity pan capacity will be 3 ltrs.
- CO2 Concentration Range: 0 to 20 %
- Co2 Control accuracy: 0.1°C.
- Readability & Setability: 0.1%
- Access Port:1.3" (3.3cm) with removable silicone plug with filter
- Shelving system: 4 Nos , Maximum up to15 nos.
- Capacity of shelf: 23 kg per shelf
- Instrument should be having at least one RTD sensor for over temperature protection.
- In-Chamber ISO Class 5 HEPA air filtration continuously filters the entire chamber volume every 60 seconds.
- Should be having in chamber Air circulating fan.
- Instrument should be reaches ISO Class 5 air quality in 5 minutes after door opening.
- Should be having Continuous protection by minimizing ability for airborne contaminants to settle on interior surfaces.
- IR (infrared) CO2 sensor for monitoring when humidity and temperature are less predictable.
- Instrument should be having Dual temperature probes for over temperature protection.
- Optional rH display for monitoring humidity levels to prevent “dry-outs.
- Easy- to-use, alphanumeric LED display. Flexible, intuitive controls with message center that includes process and alarm status messages.
- Configurable audible on/off, access code, tracking low and high alarms
- Certifications: UL, cUL, CE (International Certifications).
- Warranty: 3 Years warranty with preventive maintains every 3 months during the warranty periode.
- Vendor should be having service facility at Kerala, Service center address to be furnished.
- Should be provided 47 ltrs CO2 cylinder and suitable Double Stage Regulator

APPENDIX II- TERMS AND CONDITIONS

12. Tender along with all necessary documents should be submitted for each instrument. The main envelop should be superscribed: "TENDER FOR SUPPLY OF (ENTER NAME OF EQUIPMENT). The tender should be submitted in two sealed cover, one containing Technical specification and other containing financial details.
13. For those bidders submitting tenders for more than one instrument, separate applications for each instrument must be placed in individual sealed envelopes. 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 a single tender it will be summarily rejected.
14. The tenders received late, without required documents or incomplete in any respect / misleading will be summarily rejected.
15. The proposals shall be submitted **sealed envelopes** (with respective marking superscribed in bold). cover must also contain Name and Address of the tenderer, telephone and other contact details for further correspondence..
16. The models quoted should be in successful operation for at least one year as on the date of Bid opening.
17. Prices are to be quoted **FOR DESTINATION (Department of Biochemistry, University of Kerala, Kariavattom)**. The prices quoted should clearly indicate the following charges: Price of the equipment; Price of optional accessories if any; Customs duty (after submission of custom and excise exemption certificate); Customs Clearance Charges and transportation charges. **If these details are not provided it will be considered that the price quoted is inclusive of all charges.**
18. The manufacturer /supplier should provide training to the laboratory personnel in the installation, operation and maintenance of the instruments.
19. The supplier should be fully equipped to render us after sale service during warranty and thereafter.
20. The University of Kerala reserves the right to accept or reject any or all quotations without assigning any reason thereof. In case of any dispute the decision of the University Authority shall be final.
21. Minimum warranty of 3 years should be quoted with main system.
22. Suppliers with service centers in South India, preferably in Kerala shall be an added advantage.