

Department Biochemistry, University of Kerala

Kariavattom, Thiruvananthapuram, Kerala, India - 695 581

18/01/2022

E-Tender Notice

Department of Biochemistry, University of Kerala, Kariavattom invites open tenders through e-Procurement (in two bid system), from reputed manufacturers/authorized distributors/Indian Agents for the purchase of the equipment 'CO2 Incubator' in the Department, in connection with the implementation of the Specific Project "Setting Up of Neurobiology Lab".

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| Last date and time for submission of tender online | 04/02/2022: 5 PM |
| Date and time of opening of Technical bid | 08/02/2022: 11AM |
| Date and time of opening of Financial bid | After technical Evaluation. |
| For technical details contact | Dr. Viji Vijayan Assistant Professor, Department of Biochemistry Phone :0471-2308078 Email : biochemistrykariavattom @gmail.com |

TECHNICAL SPECIFICATIONS

1. Chamber capacity will be 180 litres or More
2. Polished stainless steel interior chamber is designed with coved corners to simplify cleaning.
3. Removable humidity pan
4. Direct heat Chamber- In-chamber fan gently distributes air throughout the chamber ensuring homogeneous conditions.
5. Sturdy stainless steel shelves and supports can be removed without tools.
6. On demand 140°C overnight (14 hours) sterilization cycle simplifies cleaning and eliminates the need for separate autoclaving and reassembly of components.
7. Instrument should be having features of effectively eliminates bacteria, mold, yeast, and mycoplasmas from internal surfaces.
8. Temperature range should be Ambient +5°C to 50°C.
9. Over temperature setability: 0.1°C.
10. Relative humidity will be <90% at 37°C
11. Humidity pan capacity will be 3 ltrs.
12. CO₂ Concentration Range: 0 to 20 %
13. CO₂ Control accuracy: 0.1°C.
14. Readability & Setability: 0.1%
15. CO₂ recovery rate of at least of 6 min after door opening and closing event to attain 5% CO₂.
16. Access Port: 1.3" (3.3cm) with removable silicone plug with filter
17. Shelving system: 4 Nos , Maximum up to 15 nos.
18. The input gas pressure required should be 0.1 MPa
19. Instrument should be having at least one RTD sensor for over temperature protection.
20. In-Chamber ISO Class 5 HEPA air filtration continuously filters the entire chamber volume every 60 seconds.
21. Should be having in chamber Air circulating fan.
22. Instrument should be reaches ISO Class 5 air quality in 5 minutes after door opening.
23. Should be having Continuous protection by minimizing ability for airborne contaminants to settle on interior surfaces.

24. The system should have BMS relays built in and option to incorporate onto Data monitoring and documentations modules.
25. IR (infrared) CO2 sensor for monitoring when humidity and temperature are less predictable.
26. Instrument should be having Dual temperature probes for over temperature protection.
27. Optional rH display for monitoring humidity levels to prevent “dry-outs.
28. Easy- to-use, alphanumeric LED display. Flexible, intuitive controls with message center that includes process and alarm status messages.
29. The door hinges, associated cable and other accessories should be robust and stringently tested.
30. Configurable audible on/off, access code, tracking low and high alarms
31. Certifications: UL, cUL, CE (International Certifications).
32. Vendor should be having service facility at Kerala, Service centre address to be furnished.
33. Should be provided 47 ltrs CO2 cylinder and suitable Double Stage Regulator
34. Calibration Certificate IQ/OQ/PQ has to be provided by vendor and changes are inclusive of rates
35. Warranty : 3 years with preventive maintains every 3 months during warranty period
36. Country of origin certificate should be provided

Terms and Conditions

1. Every tenderer should submit Tender fee of **Rs. 2,500/-**.
2. Every tenderer should submit Earnest Money Deposit (EMD) of **Rs.10,000/-**.
3. Quantities can be increased or decreased by purchaser and bidder has to supply deviated quantities at the rates prescribed and approved by the purchaser in the tender document. Purchase of optional items will be finalized at the time of financial evaluation. However, the bidder must quote the optional items. The bidder should quote all items; partial quote will not be accepted.
4. **Original Equipment Manufacturer (OEM) Certificate/ Undertaking:** If the bidder is not an OEM, Certificate of authorized dealership/ distributorship from the OEM for technical support to the bidder and supply of spares shall be furnished.

5. Incomplete & conditional tenders and tenders received after the due date will be summarily rejected without assigning any reasons thereof.
6. Commercial bids of short-listed vendors will only be opened. Please note that the Vendor(s) who do not qualify in the technical bid will not be considered for commercial bid.
7. The bidder must not sub-contract the work to other providers.
8. The prices quoted must be on “**all-inclusive till destination**” basis. The prices quoted should be inclusive of all Taxes, Insurance, Freight, Packing & Forwarding Charges, Handling, Delivery Charges, installation charges etc.
9. **Payment terms:** Payment against delivery and successful installation of the equipment in the department.
10. The configuration given is the minimum configuration that is/are required. Vendors may choose to supply higher/better/ enhanced systems/peripherals, but their financial quotes shall be treated as if they have been offered for the specified configuration only.
11. The Bidder shall bear all the costs associated with the preparation of the documents, submission of its bid and we will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.
12. The bid shall be typed and shall be signed by the bidder or a person duly authorized to bind the bidder to the contract.
13. The bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the Bidder. In such case the person or persons signing the bid shall initial such corrections.
14. The bidder is expected to examine all instructions, forms, terms, condition, and technical specifications in the tender Documents. Failure to furnish all information required by the tender Documents or submission of a bid not substantially responsive may result in the rejection of its bid.
15. The bidders shall give undertaking that all the Components used in the equipment shall be original make as per the technical specifications submitted and the hardware/software shall be supplied with the authorized license certificates, if found contrary the supplier shall replace the component/equipment with original one at their own cost.
16. **Validity of tender:** Tender submitted shall remain valid at least for 90 days from the date of opening the tender. Validity beyond three months from the date of opening of the tender shall be by mutual consent.
17. **Delivery and installation:** Proposed delivery schedule should be mentioned clearly.

Delivery and installation should be made at II Floor of the Department of Biochemistry, University of Kerala, Kariavattom Campus Trivandrum - 695581, without any extra cost. Complete installation, testing and demonstration of the system and day to-day maintenance are to be provided at site (inclusive of documentation, demurrage, customs duty, clearance and transportation charges). University of Kerala will provide customs duty exemption certificates if required.

18. The Supply and installation of items must be made within four weeks from the date of issue of supply order. Delay in supply will lead to penalty @1% of the value of tender for every week of delay or part thereof. (i.e. exceeding three days will be calculated as one week). If it is found that the items so supplied are not as per supply order specifications, the supply made will be rejected and Earnest Money Deposit will be forfeited.

19. Warranty period will start from the date of successful installation of all the items at site. Warranty Card has to be provided

20. Service facility: Supplier should mention their details of service setup and manpower in Trivandrum who are responsible for after sales support. The service provider should be available within 24 hours and preferably in Trivandrum.

21. In case of any dispute, the decision of the University authority shall be final and binding on the bidders. The undersigned reserves the right to reject any or all of the tenders received without assigning any reason thereof.

Documents to be uploaded:

2. Signed Compliance Matrix
3. Detailed Technical Brochure
4. BoQ
5. Detailed Financial Bid in pdf format.

Sd/-

Registrar