

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 'Ultrafreezer' in the Department, in connection with the implementation of the SERB POWER Grant".

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. Fully programmable microprocessor controlled with membrane keypad and eye level control panel.
2. Capacity of 440 Liters or more
3. Should have clear and legible Blue LED display with advanced Interface conveniently located at Eye level.
4. Freezers should have an Automated vent port for quick re-access to samples as part of the eye level display / advanced interface
5. Compressor fan air filter conveniently located on the front panel for ease of access for cleaning and maintenance.
6. System should have Dedicated alarm and backup system for 24/7 sample safety
7. System should be highly energy efficient, with energy consumption around 8.3 KWh/day (0.54 KWh/ft³) when freezer is at -80 °C and 5.7 KWh/day (0.37 KWh/ft³) when freezer is at -70°C
8. Ambient (20 °C +/- 1°C) to -80 °C Pull down time should be 3 h 35 min (215 min) or lesser; with freezer being maintained empty
9. Freezer should have Cabinet uniformity (freezer set to -80 °C) of +9.5 °C/-0.0 °C [\pm 4.75 °C] or better with Enhanced shelf design for efficient and consistent air circulation in the chamber and rounded metal rims of shelf edges for enhanced safety of users' fingers.
10. System should have Silence level/Noise level (at -80 °C) 51.5 dB or lesser
11. Freezer must have Standard (BMS) Remote alarm port
12. System should have Option for RS-485 interface and option for VisioNize® connectivity via VisioNize® box
13. System should have battery powered back-up circuit; in event of a main/power outage the battery should supply power to the alarms and display for up to 72 hrs. at least.
14. Audible and visible alarms for temperature, power failure, system failure, battery low etc., and it also have remote alarm port for connection to an auto dialer.
15. Freezer must have HFC-free, CFC-FREE, HCFC-FREE non-flammable refrigerants, and should have Green Natural HC Gas based refrigeration system (High stage: R290; Low stage: R170).
16. Power 230V, Frequency 50Hz
17. Freezer must have capacity to hold 25 racks and 320 (32,000 samples) boxes of 2" height vials. Sufficient boxes to be provided with the instrument.

18. Comprehensive warranty period of 3 years and 10 years for compressor

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:

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

Sd/-

Registrar