

## Department Biochemistry, University of Kerala

Kariavattom, Thiruvananthapuram, Kerala, India - 695 581

13/08/2021

### 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 'Automatic Clinical Chemistry Analyzer and Reagents' in the Department, in connection with the implementation of the Specific Project "Novel Biomarkers of Rheumatoid Arthritis and Thyroid Dysfunction in Thiruvananthapuram District".

Last date and time for submission of tender online	<b>13/09/2021: 5 PM</b>
Date and time of opening of Technical bid	<b>16/09/2021: 11AM</b>
Date and time of opening of Financial bid	After technical Evaluation.
For technical details contact	Dr. A. Helen Professor and Head Department of Biochemistry Phone :0471-2308078 Email : biochemistrykariavattom @gmail.com

## TECHNICAL SPECIFICATIONS

No	Items	Technical Specifications
1	Automatic Clinical Chemistry Analyzer and Reagents	<ul style="list-style-type: none"><li>• Type of instrument: Spectrophotometry based fully automated and random access for routine chemistry</li><li>• provide Endpoint, Kinetic and Fixed Time assays</li><li>• The throughput of 180-400 tests per hour without ISE</li><li>• The minimum sample capacity should be 40-45 positions</li><li>• Preferential treatment for STAT samples.</li><li>• Reusable and durable reaction cuvette Minimum reaction volume requirement :100µl-120µl</li><li>• Real time monitoring of reaction curve and calibration curve.</li><li>• Detailed profile for sampling and compatible to LIS and HIS</li><li>• Able to perform automated serial dilutions for calibrators</li><li>• Able to perform calculated tests</li><li>• Auto rerun with pre-set conditions</li><li>• 12 wavelengths range of 340 to 800nm with grating photometer</li><li>• Automatic detergent dilution</li><li>• The system with on board refrigeration with peltiers, switch control for measurement unit and refrigeration unit for lamp power saving</li><li>• In- built quality control programme including Levy Jennings graph and Westgard multi rules</li><li>• 40-45 reagent storage positions in R1 and R2 together.</li><li>• Storage and memory for patient results in unlimited numbers</li><li>• Compact and convenient bench top model for easy installation and maintenance</li><li>• Multifunction reagent/sample polished probe with liquid level detection and collision protection.</li></ul>

		<ul style="list-style-type: none"> <li>• Independent Teflon coated stirrer with triple speed mixing facility and or mixer probe</li> <li>• Minimum sample volume of 0.5-2µL</li> <li>• Pre and Post sample dilution facility</li> <li>• Auto-dilution facility and automated calibrator serial dilutions</li> <li>• Able to perform biochemistry and immunochemistry parameters (HbA1c, ASO, CRP, RF, C3, C4...)</li> <li>• Water consumption 4-9L/hour</li> <li>• On board hemolysis function for HbA1c</li> <li>• Presence of degassing facility.</li> <li>• Auto rerun facility mandatory</li> <li>• On board laundry facility</li> <li>• Installation and commissioning of the analyser should be done by the supplier.</li> <li>• Warranty 3 years</li> </ul>
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### 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 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.** 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.

**18.** Warranty period will start from the date of successful installation of all the items at site.

**19.** Service facility: Supplier should mention their details of service setup and manpower in Trivandrum who are responsible for after sales support.

**20.** 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.

**Registrar**