



# DEPARTMENT OF BIOCHEMISTRY

## DST-FIST & UGC-SAP Sponsored Department

### UNIVERSITY OF KERALA

(Established as University of Travancore by the Travancore University act in 1937 and reconstituted as University of Kerala by the Kerala University act of 1957 and presently governed by the Kerala university act of 1974 passed by the Kerala state Legislative assembly No. 3878-F1/72/Law dated 27<sup>th</sup> July 1974 of the government of Kerala)

(Re – accredited by NAAC with ‘A’ Grade)

Kariavattom

Thiruvananthapuram – 695581

Phone: 0471 2308078

Email : [biochemistrykariavattom@gmail.com](mailto:biochemistrykariavattom@gmail.com)

BCH/Plan – Dept/2016-17

05/01/2017

### QUOTATION NOTICE

Competitive two-bid quotations (technical bid and financial bid) are invited from various firms for the following laboratory equipments as per the specifications mentioned towards the purchase of equipments for the Department of Biochemistry, University of Kerala. The quotations in the sealed covers addressed to the Professor & Head, Department of Biochemistry, University of Kerala, Kariavattom, Thiruvananthapuram - 695581 should reach the department on or **before 4.30 P.M., 23/01/2017**. The technical bid opening will be at **11:00 A.M. on 30/01/2017** in the department. Financial Bid opening would be intimated later. 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.

### List of Equipments

1. UV-Vis Spectrophotometer
2. Colorimeter
3. Bacteriological Incubator
4. Electronic Balance
5. Inverted Microscope
6. PCR

## **APPENDIX I - TECHNICAL SPECIFICATIONS**

### **1. UV-VIS Spectrophotometer**

UV-Vis wavelength range 200 – 1000, Spectral Bandwidth: 1nm, Photometric accuracy  $\pm 0.005$  Abs, Built in light source, deuterium/halogen lamps, PC compatibility, digital display, Spectral, Kinetic, and DNA/Protein quantitation modes with spectrophotometric readings. Should be able to quantify multiple components at once. USB output. Minimum 3 years warranty

### **2. Colorimeter**

Wavelength range: 400 to 700nm, at least 8 in-built filters with a bandwidth of maximum 40nm, Measurement range: 0-100%T, 0-1.50Abs, Acid/solvent resistant case; touch-sensitive keypad. Minimum 3 year warranty

### **3. Bacteriological Incubator**

Double walled with PUF insulation, Stainless Steel interior, Vertical model, Single door, Internal illumination, minimum 4 shelves, Digital display, Temperature range +5 ambient – 50°C, Temperature Accuracy at least 0.5°C, Minimum 3 years warranty

### **4. Electronic Balance**

Minimum Display: 0.1mg, Maximum Capacity: 200gm, Minimum capacity: 0.1mg, Linearity:  $\pm 0.2$ mg, Printer connectivity, Response time: 2/3 sec, Pan size : > 80mm, Internal calibration, Unit conversion option. Minimum 3 years warranty

### **5. Inverted Microscope**

Inverted microscope with LED illumination. Suitable for bright field and phase contrast Imaging. Objective: 4X, 10X, 20X and 40X, Bidirectional stage movement with digital camera and suitable image analysis software. Minimum 3 years warranty.

## 6. PCR

Minimum 2 independent PCR blocks with individual programming options suitable for individual tubes and strips of 0.2ml tube capacity, heated lid, Temperature of 4°C to 99°C with temperature uniformity of  $\pm 0.5^\circ\text{C}$ , Should be supplied with 2KVA UPS of min 2 hours backup. Minimum 3 years warranty

**Note: Please send separate quotations for each Item/Model. (One cover should contain a single quotation).**

## APPENDIX II - TERMS AND CONDITIONS

1. Separate tender along with separate sets of all necessary documents should be submitted for each instrument. The main envelop should be superscribed: “TENDER FOR SUPPLY OF ..... (ENTER NAME OF EQUIPMENT). Last date of submission .....” The date of Opening of Technical Bid and Financial Bid is indicated above.
2. For those bidders submitting tenders for more than one instrument, separate applications for each instrument (Technical Bid and Financial Bid) must be placed in individual sealed envelopes and these envelopes must be placed inside a bigger envelope. 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.
3. The tenders received late, without required documents or incomplete in any respect / misleading will be summarily rejected.
4. The proposals shall be submitted in two parts, viz. **Technical bid and Financial bid in two separate sealed envelopes** (with respective marking superscribed in bold). The first envelope (envelope 1) marked “**Technical bid**” should include the technical specifications. The first envelope should not contain any cost information whatsoever. The second envelope (envelope 2) marked “**Financial bid**” should contain the detailed price offer in prescribed format. Both the sealed envelopes, Technical bid and Financial bid should be placed in a bigger sealed cover. The top of cover must also contain Name and Address of the tenderer, telephone and other contact details for further correspondence. The financial bids of only technically acceptable offers will be opened for further evaluation and ranking before awarding the contract.
5. The Bidder should be a manufacturer or their dealer specifically authorized by the manufacturer to quote on their behalf for this tender. Certificate to this effect should be included in the quotation.
6. The models quoted should comply with technical specifications and if necessary the University of Kerala reserves the right to accept superior specifications.
7. The models quoted should be in successful operation for at least one year as on the date of Bid opening.
8. 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, other taxes if any, transportation charges and installation charges.

**If these details are not provided it will be considered that the price quoted is inclusive of all charges.**

9. **Payment terms:** Payment against delivery and successful installation of the equipment in the department.
10. Complete installation, testing and demonstration of the system and full training on operation and day-to-day maintenance are to be provided at site.
11. A signed compliance matrix (on specifications and conditions) to be submitted along with the quote.
12. The quoted equipment should be a whole product of the manufacturer and service and warranty for the whole product should be provided.
13. The 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.
14. The supplier should be fully equipped to render us after sale service during warranty and thereafter.
15. The University of Kerala reserves the right to accept / reject /reduce the number of equipments any or all quotations without assigning any reason thereof. In case of any dispute the decision of the University Authority shall be final.
16. Previous unsatisfactory experiences (unhonoured quotations/purchase orders/after sales servicing etc.) with present bidders shall be a criteria for selection, even if they meet technical specifications.
17. All equipments must be covered with comprehensive warranty as specified in technical specifications.
18. Users list of the specified model to be attached preferably from research centers within Kerala.
19. Performance Certificate from at least 3 research centers in Kerala, preferably in Trivandrum shall be an added advantage.
20. Suppliers with service centers in South India, preferably in Kerala shall be an added advantage.

Sd/-

Professor and Head