



DEPARTMENT OF BIOCHEMISTRY
(DST-FIST 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)

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



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TENDER NOTICE (Re - notification)

Sealed quotations are invited for the supply of – **PCR Thermal cycler with accessories** for the animal house facility with relevant specifications with on or before **27-05-2022 3.00pm**. The envelopes should be addressed to the **Professor and Head, Department of Biochemistry** with superscription “**Tender for the supply of PCR Thermal cycler with accessories**”. The quotation will be opened on **01.06.2022 at 3.00 PM**. The rate quoted shall be valid for a period of one year. **Quotations should spell out the details of accessories provided for the functioning** of the instrument. Quotations should 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.

APPENDIX I- TECHNICAL SPECIFICATIONS

1	Power source	230 V/50 – 60 Hz
2	capacity	96 x 0.1ml/0.2ml PCR Tube, 71 x 0.5 ml PCR tube and 96 well PCR plate
3	Technology	Peltier technology / Triple Circuit Technology with gradient features
4	Temperature	Gradient temperature range from 30 – 99°C with 0.1°C minimum gradient spread. Block temperature control range should be 4°C to 99°C
6	Lid Temperature range	37 - 110 °C
7	Block Temperature Accuracy	± 0.2°C

8	Maximum power consumption	700 W
9	Block Homogeneity	$\leq \pm 0.3^{\circ} \text{C}$ (20°C to 72°C); $\leq \pm 0.4^{\circ} \text{C}$ (90°C)
10	Heating rate	3 °C/s; Cooling rate: 2 °C/s
11	Other requirements	Inbuilt advance scheduling feature for users convenience will be a preference. Should have large display with Intuitive Graphic programming and Administrator and user login with or without PIN for enhanced security. Should have Time and/or Temperature increment cycles in PCR program. Calibration according to NIST (USA), DKD/PTB (Germany) UKAS/NPL (UK), UL/cUL listed. Should comply to RoHS (2011/65/EU)
12	Accessories	1. Mini gel electrophoretic unit with programmable power supply 2. Centrifuges 3. Micropipettes 4. Kits with pipette stand and flex tips 5. Vortex mixer 6. Mini cooler -20°C 7. PCR tubes 0.2 ml 8. Incubator 9. UPS
13	Warranty/AMC	Minimum 2year warranty /AMC

APPENDIX II- TERMS AND CONDITIONS

1. The main envelop should be superscribed: “**Tender for the supply of PCR Thermal cycler with accessories**”. 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 model, separate applications for each model (Tender Bid and Financial Bid) must 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 be in successful operation for at least one year as on the date of Bid opening.
7. 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.**
8. 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.
9. The manufacturer /supplier should provide training to the laboratory personnel in the installation, operation and maintenance of the instruments.
10. Complete technical details of pre-installation requirements should be furnished along with the technical bid. Vendors are expected to supply all other installation accessories, infrastructures, facilities and services required for successful installation and smooth operation of the equipment. Vendors may conduct the site survey before installation at no additional cost.
11. The supplier should be fully equipped to render us after sale service during warranty and thereafter.
12. The University of Kerala reserves the right to accept or reject any or all quotations/tender without assigning any reason thereof. In case of any dispute the decision of the University Authority shall be final.
13. Minimum warranty of 3 years should be quoted with main system. The supplier should provide comprehensive warranty for three years for all components without any additional cost to the purchaser from the date of satisfactory commissioning of equipment. All equipments must be covered with comprehensive warranty as specified in technical specifications.
14. Users list of the specified model to be attached from institutional research centres within Kerala with performance certificate from at least two users.
15. Suppliers with service centres in South India, preferably in Kerala shall be an added advantage.