



# MAHATMA GANDHI UNIVERSITY

## SCHOOL OF BIOSCIENCES

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No. SBS/KGP/01/Tender/2023

Dated: 25.10.2023

### TENDER NOTICE

The Principal Investigator, Kairali Gaveshana Puraskaram, School of Biosciences invites sealed competitive Tenders from reputed firms for the purchase of “PCR and its accessories” as per the specifications mentioned below. The sealed covers containing Tender details are super scribed “Tender for PCR and its accessories” and send to “The Principal Investigator, Kairali Gaveshana Puraskaram, School of Biosciences, Mahatma Gandhi University, P.D Hills P.O, Kottayam- 686560”.

**Last Date of Receiving Tenders: 09.11.2023, Time: 3.00 pm**  
**Opening date of Tenders: 10.11.2023, Time: 10 am**

### SPECIFICATIONS

#### **PCR AND ITS ACCESSORIES**

- Capacity: 32 well × 0.2 ml or better
- Temperature Range: 4~100<sup>0</sup>C, MAX. Heating Rate: 5<sup>0</sup>C/s MAX. Cooling Rate: 4<sup>0</sup>C/s, Sample Ramp Rate: 4-5<sup>0</sup>C/s Uniformity: ≤±0.2<sup>0</sup>C, Accuracy: ≤±0.2<sup>0</sup>C, Display Resolution: 0.1<sup>0</sup>C, Temperature Control: Block/Tube, Ramping Rate Adjustable: 0.1~5<sup>0</sup>C or models with better specifications
- Gradient Temp. Range: 30~100<sup>0</sup>C
- Should have a temperature accuracy and uniformity of ± 0.5 <sup>0</sup>C or better
- Gradient Spread: 1~30<sup>0</sup>C, Hot Lid Temperature: 30~110<sup>0</sup>C Number of Programs: 10000 + (USB FLASH), Max. No. of Step: 30 or better
- Max. No. of Cycle:100, Time Increment/Decrement: 1 sec~600 sec, Temp. Increment/Decrement: 0.1~10.0<sup>0</sup>C Volume Range:10-100ul, Pause Function: Yes, or better
- Hold at 4<sup>0</sup>C: Forever
- Computer Software: Yes, Mobile phone APP: Yes
- LED or LCD: 5 inch, 800 × 480 pixels, 65K color, or better
- Communication: USB 2.0, Wi-Fi
- Power Supply: 85~264 VAC, 47~63 Hz, 200 W

- Should have service support based in Kerala from manufacturer for the quoted model, support document to be submitted
- **3 YEAR WARRANTY**

### ACCESSORIES

#### **1. Electrophoresis apparatus with power pack**

- Electrophoresis System Midi Sub System Gel Size:13x13cm (for 13 Samples) Platinum Electrode - Cathode and Anode Fixed, Connecting Cord:1 Pair (Red and Black) **3 YEAR WARRANTY**
- Gel Size: 13x13cm, Gel Running Tray: 13 x 13 cm - 1 No, Gel Running Tray: 13 x 6cm - 2 Nos,
- Gel Running Tray: 6.5 x 6 cm - 4 Nos, Suitable Gel Casting Tray: 1 No,
- 13 Well Comb - 1 No, 3 Well Preparative Comb - 1 No, 8 Well Comb - 4 Nos
  - Material: Imported Acrylic
- Digital Power Pack 0-300V; 0-150mA (2 Output) Constant Current Constant Voltage; Digital Display, Digital Timer (2 Output), **3 YEAR WARRANTY**

#### **2. Blue Light Illuminator- 485nm (Viewing Area 15x15cm) Material MS Powder Coated & SS TOP, Dimensions 27x21x10cm UV Viewing Area 15x15cm Light Source LED, Filter Amber Filter Wavelength 485nm Power Cord Yes, 3 YEAR WARRANTY**

3. Suitable branded **1KVA UPS with 3 hours back up** and 12V tubular batteries 100AH
4. Suitable branded **Split 1.5-ton AC with stand**, provide enough copper pipes to install in the specific laboratory, Condenser- Copper (Warranty 1 year or more for AC and UPS)

#### Note:

All the accessories and spares for installation, demonstration and for its continuous use should be supplied by the firm along with the instrument. The instrument should meet all the specifications given in the tender and minor variations will be examined by the technical committee before acceptance/rejection of the tender. Loading, unloading and transportation cost will be met by the bidder. The instrument should be supplied to the specific lab at School of Biosciences, where it should be installed and all the cost on the same should be met by the bidder.

#### Terms & Conditions:

1. Tender form can be downloaded from the official web site of Mahatma Gandhi University (<https://www.mgu.ac.in/uploads/2020/08/Tender-Form.pdf?x99264>) and **Tender form rate-0.2% of quoted amount (Lowest amount = Rs. 400/- +GST, Maximum amount = Rs. 1500/- +GST)** can be paid by online in the

- University online payment system and challan should be attached along with the Tender
2. Tender Amount should be including all taxes
  3. Tenure of Tender should be three months
  4. A preliminary agreement in document paper of Rs. 200/- has to be submitted along with the tender
  5. **Ernest Money Deposit (EMD) calculated @ 1% of (quoted amount) the Purchase assessment cost (PAC) should be paid by Demand Draft in favour of Dr. Radhakrishnan E.K., The Principal Investigator, Kairali Gaveshana Puraskaram, School of Biosciences, Mahatma Gandhi University (Account Number: 42140813491) and submitted along with the sealed tender**
  6. An agreement must be submitted by the qualified bidder and should submit 5% of the PAC as security deposit
  7. Tenders received after the last date and time will be rejected. The PI has the right to accept or reject the tender without any reason. If the tender opening day is a holiday it will open in the next office working day
  8. If not received the minimum number tenders, the last date will be extended to the next 15 days
  9. Final payment will be released only after the proper installation in satisfactory to The Purchase and Technical Committee, Kairali Gaveshana Puraskaram, School of Biosciences
  10. Details of same model of instrument installed at State/Central Universities or Institutions should also be attached. Proof or copy of Purchase order and the amount quoted for the last installation should be attached. The quoted amount should not exceed the previous supply
  11. The quoted bidder should be the authorized distributor of the original manufacturer of the specified instrument. Proof of authorization certificate should be attached
  12. Original Catalogue of the instrument should be attached
  13. The amount quoted should include total price of instrument and its complete accessories
  14. Certificate stating 3 years satisfactory performance of the same model of instrument quoted should also be included from at least 3 different State/Central Universities or Institutions



**Dr. Radhakrishnan E.K**  
**Principal Investigator**  
**Kairali Gaveshana Puraskaram**  
**School of Biosciences**  
**Mahatma Gandhi University**