



## MAHATMA GANDHI UNIVERSITY

MGU/DST-PURSE/2019-20/1/SBS

Dated: 06/08/2019

### NOTICE INVITING TENDER

(Tender No. MGU/DST-PURSE/2019-20/1/SBS)

The Registrar, Mahatma Gandhi University, Kottayam for and on behalf of The Coordinator, DST PURSE PII Project, School of Biosciences, Mahatma Gandhi University invites online bid (technical and financial bid) for supply and installation of the scientific equipment **Pulse Field Gel Electrophoresis System** from reputed firms. The period of the tender is 180 days from the date of tender.

1	Name of the scientific equipment	<b>Pulse Field Gel Electrophoresis System</b>
2	Earnest money deposit (EMD)	<b>Rs. 39000/-</b>
3	Tender submission fee	Rs. 5900/- + GST
4	Period of supply and installation	Within 90 days from the L/C opening date
5	Mode of submission of Bid	Online
6	Tender Documents	Can be downloaded from the website <a href="http://www.etenders.kerala.gov.in">www.etenders.kerala.gov.in</a>
7	Last date and Time of submission of tender by online	<b>15/08/2019, 4.00 pm</b>
8	Date and time of opening of bid opening	<b>17/08/2019, 11.00 am</b>

General tender documents and tender schedule can be downloaded in A<sub>4</sub> plain size paper free of cost from the website [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in).

Documents to be submitted along with bid through online.

Sl.No	Through online
1	Scanned copy of dealership certificate
2	Scanned copy of duly filled e-payment form
3	Scanned copy of other certificates required, if any, for tender acceptance
4	Scanned Copy of duly filled preliminary Agreement in stamp paper of Rs.200/-
5	BOQ

## **Special Conditions**

1. Instrument should have a warranty of **three years** and should have frequent visits from both service engineer and application scientist.
2. There should be at least one service engineer and one application scientist based in India with onsite training facility on the same quoted instrument. Training should include operation, software applications, analysis, handling and maintenance of system.
3. A good record in supply and service to other research institutes will be considered as a positive point for a particular company. User list of similar equipment supplied recently in India should be provided with the above mentioned specifications.
4. Laboratory floor space, electrical power requirements, earthing, room temperature/ humidity requirements etc. should be mentioned appropriately.
5. All necessary accessories should be supplied with the instrument, as per standard package offered, including complete set of service and operation manuals for diagnosis, trouble shooting, maintenance and electronic circuitry (soft copies).
6. The Delivery Schedule, Payment Terms & Warranty/Guarantee etc must be clearly indicated in the technical bid.
7. The quoted price in the BOQ should be inclusive of all taxes/freight/installation charges.

The bids will be opened at the date and time specified. Further details can be had from the **The Coordinator, DST PURSE PII Project, School of Bio Sciences, M.G. University, Kottayam, Kerala Pin-686560** Phone: **0481-2731035** E-mail: [bio.sc.office@gmail.com](mailto:bio.sc.office@gmail.com). on all working days during working hours. The bidders are advised to submit their bid well in advance to avoid any kind of network issues. The undersigned reserves the right to reject any or all the tender without assigning any reason whatsoever.

**Registrar**



## **PULSE FIELD GEL ELECTROPHORESIS SYSTEM**

### SPECIFICATIONS

- Reorientation angle range: 0-360<sup>0</sup>
- Maximum program blocks:8;with automatic execution.
- System should provide Clamped homogenous Electric field
- Should come with 24 programmable autonomously controlled electrodes.
- Field Inversion Gel Electrophoresis (FIGE) should be available with asymmetric forward, reverse voltages.
- Should be able to run Gel in 1800 orientation(900 forward & 900 backwards) Useful in resolving small DNA fragments (less than 100KB)
- Should have option for asymmetric field inversion gel electrophoresis
- Switching Range: 50msec to 18hr
- Maximum Run Time: 999 hours per block
- Allowable Voltage Gradients:0.6 – 9 Volts/cm in 0.1 V/cm increments.
- Effectively resolves DNA fragments in the range of 200kb to >10 Mb.
- Multistate run conditions
- Secondary pulse generation should be possible
- Autoalgorithm & interactive algorithm modes should be provided for Required voltage;Angle of orientation;Pulse time;Buffer conditions;Agarose percentage;Run Temperature & Run Time Battery backed up RAM.
- Can run gels of two different sizes: 21 x14 cm & 14 x 13 cm.
- Should come with 5 KVA online UPS with 6 hrs back up
- Warranty 3 Years

### **Optional:**

1. Additional 2 Yr Extended AMC or
2. Additional 2 Year warranty