



Mahatma Gandhi University, Kerala

Tender No: SCS/RETENDER/CS/2020

Dated: 18.03.2020

NOTICE INVITING TENDER

(Tender No: SCS/RETENDER/CS/2020)

**The Registrar, Mahatma Gandhi University, Kottayam** invites online bid (technical and financial bid) for Supply & Installation of the Scientific Equipment- **Cryogenic system** from reputed firms. The period of the tender is 180 days from the date of tender.

1	Name of the scientific equipment	Cryogenic system
2	Earnest money deposit (EMD)	8000/-
3	Tender submission fee	1500/- + GST
4	Period of supply and installation	Within 15 days
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	25.03.2020 5PM
8	Date and time of opening of technical bid	27.03.2020 10.30 AM

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 valid registration certificate/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. Onsite training has to be arranged by the vendor. Training should include operation, software applications, analysis, handling and maintenance of system.
2. List of your customers using the instrument with the above mentioned specifications should be given.
3. Laboratory floor space, electrical power requirements, earthing, room temperature/ humidity requirements etc. should be mentioned appropriately.
4. Complete set of service and operation manuals for diagnosis, trouble shooting, maintenance and electronic circuitry (soft copies).
5. The Delivery Schedule, Payment Terms & Warranty/Guarantee etc must be clearly indicated in the technical bid.
6. All the clearance of the consignment should be carried out by the bidder. Institute will provide all the necessary documents for the same. The consignment should be delivered to the laboratory by the bidder.
7. The quoted price in the BOQ should be inclusive of all taxes/freight/installation charges

The bids shall be opened at the date and time specified. Further details can be had from the office.

**The Director, School of Chemical Sciences, Mahatma Gandhi University, Kottayam, Kerala-686560 Ph: 0481-2731036, Email: [office.scs@gmail.com](mailto:office.scs@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**



Mahatma Gandhi University, Kerala

Supply & Installation of the Scientific Equipment- Cryogenic system

Sl.No	Qty.	Particulars	
1	1 Nos.	<b>Immersion Cooler</b>	
		Temperature range	from -90 °C to +30 °C
		Temperature stability (°C)	± 1 °C (not more than)
		Display	LED Digital
		Immersion Probe	Rigid probe
		Connection tube	Approx. 150cm
		Temperature Control	External sensor to maintain constant temperature and audible or optical signalling of events
		Voltage	230 V , 50 Hz
		Accessories for Immersion cooler (N.B)	1) Vessel with Insulation (1 Nos.) 2) Magnetic Stirrer {2 Nos (One of them should be provided with a hot plate)} 3) Dish shaped dewar flask (2 Nos.) should be provided
2	1 Nos.	<b>Refrigerated Circulator</b>	
		Temperature range	-20 °C to +150 °C
		Temperature stability (°C)	±0.03 °C
		Setting / display resolution	0.01 – 0.1 °C
		Pump capacity	Minimum 15 l/min (Flow rate) 0.35bar (Flow Pressure)
		Voltage	230 V / 50 Hz

		Additional	<ul style="list-style-type: none"> <li>1) Bright, white, easy to read LED display</li> <li>2) USB connection</li> <li>3) Bath lid and drain tap included</li> <li>4) The lockable power plug</li> <li>5) Stable rubber feet</li> <li>6) integrated timer function</li> <li>7) Software for temperature recording</li> </ul>
		<b>Accessories for Refrigerated circulator (N.B)</b>	1) Silicone tubings    2) Tubing clamps    should be provided
3		Warranty	Minimum 3 Years warranty for the above cryogenics 1 and 2
4			Technical/Analytical/Manpower support for 3 years - A viable plan for the technical/manpower support for a period of 3 years must be quoted.