

Tender No: SES/MGU/T/E-DF/2026/02

Dated: 22/08/2026

SHORT TENDER NOTICE

Director, School of Environmental Sciences, Mahatma Gandhi University invites sealed tenders in original including all taxes for the supply and installation of scientific equipment.

1	Name of the scientific equipment	Ultra-Low Temperature Freezer (-86°C) (Detailed specifications given in Annexure-1)
2	Earnest money deposit (EMD)	1 % of the Estimated Value
3	Tender submission fee	0.2 % of the cost of tender rounded to the nearest multiple of 100, subject to a maximum of 25,000/- + VAT as applicable
4	Period of supply and installation	Within 30 days
5	Address	Director, School of Environmental Sciences, Mahatma Gandhi University, PD Hills PO, Koattayam -686560m
6	Last date and Time of submission of tender	02/09/2026; 1 PM,

Duly filled up and signed tender schedule along with relevant documents should be sent to **Director, School of Environmental Sciences, Mahatma Gandhi University, PD Hills PO, Koattayam -686560** by speed post so as to reach before the date and time specified. The cover containing the document should be super scribed the **name of the scientific equipment, tender number and last date of submission** of the tender.

ELIGIBILITY CRIETERIA

1	Bidder should be, a company registered in India or Registered Partnership /proprietary firms	Copy of valid registration certificate/Copy of Certificates of incorporation
2	Should not have been blacklisted by any of the Government entities under state / central government.	Self-Certificate
3	The bidder should have a registered number of (i) GST where his business is located)ii) Income Tax / PAN number.	Copies of relevant certificates of registration

Further details can be had from the office of Director, School of Environmental Sciences, Mahatma Gandhi University, **Email: ses@mggu.ac.in** on all working days during working hours. If relevant documents through speed post are not submitted with in time, the tenders will not be considered. The undersigned reserves the right to reject any or all the tender without assigning any reason whatsoever.

Director

Please see the Annexures

ANNEXURE-1

SPECIFICATIONS

Ultra-Low Temperature Freezer (- 86°C)	1. General & Physical Specification requirements • Model & Type: Upright / Vertical Ultra-Low Temperature Freezer • Minimum Gross / Internal Volume: 90 Litres • Internal Dimensions (W × D × H): Approx. 400 × 400 × 580 mm • External Dimensions (W × D × H): Approx. 711 × 877 × 1405 mm • Internal Chamber Material should be heavy-gauge Stainless Steel (AISI Grade SS 304, corrosion-resistant mirror finish) • Outer Cabinet Material should be heavy-duty CRCA steel sheet with anti-microbial epoxy powder-coated finish • Thermal Insulation: High-density, CFC-free foamed-in-place Polyurethane Foam (PUF) insulation (up to 150 mm thickness) • Internal Compartments: 1 to 2 insulated sub-doors / inner doors with independent latches to prevent cold air loss • Shelving: 2 adjustable stainless steel shelves (SS 304 grade) • Mobility & Mounting requirements: Heavy-duty 360° swivel castor wheels with leveling feet and front-wheel locking mechanism 2. Refrigeration & Temperature Performance • Operating Temperature Range: -45°C to -86°C (adjustable / settable in 1°C increments) • Refrigeration System: Dual / Cascade refrigeration system with heavy-duty hermetically sealed compressors • Refrigerants: 100% CFC-free / HCFC-free eco-friendly green refrigerants • Gasket & Door Sealing: Multi-point silicone magnetic gasket with built-in perimeter frame heating to prevent ice/frost build-up • Pressure Equalization: Automatic heated vacuum release port for immediate, smooth re-entry without door stickiness 3. Instrumentation, Controller & Alarms • Controller Type: Microprocessor-based digital PID temperature controller • Temperature Sensor: High-precision PT-100 RTD sensor • Display Screen: Digital LCD screen displaying real-time chamber temperature, set parameters, and system status • Audio-Visual Alarm System: Comprehensive alarms for High/Low Temperature deviation, Power failure, Sensor/Probe failure, Door ajar (>1 min), and Condenser filter inspection • Battery Backup: Inbuilt rechargeable battery backup for controller display, log memory, and alarm operation during power outages 4. Safety, Connectivity & Electrical Requirements • Door Security: Ergonomic lockable door handle with cylinder key lock and provision for padlock
---	---

	• Backup System Provision: Built-in provision/port for auxiliary CO2 / LN2 backup injection system • Data Communication: RS-485 / USB data interface port and potential-free remote alarm contact terminals • Electrical Power Supply: 220–240 V AC, 50 Hz, Single Phase (Compatible with external voltage stabilizer) OTHER REQUIREMENTS 1, Manufacturer should be certified with ICMED 13845 ,ISO 9001 : 2015, ISO 13845 : 2016, ISO 45001 : 2018, WHO-GMP and ISO 14001 : 2015 2, Tenderer should OEM or should provide OEM authorization certificate with tender Number. 3, Should provide the service center details in Kerala 3, Users list of minimum 10 customer for similar instrument with communication address should be submitted along with the tender
--	---

ANNEXURE II

Terms and Conditions

1. Last date of submission of tender along with requisite fee, EMD and all documents is 02.09.2026.
2. The technical bid will be opened on 02.09.2026 at 3pm.
3. Tenders must accompany a copy of the “Annexure II and Annexure III” section of this document, signed and stamped on each page indicating that they agree to these.
4. The non-refundable application fee of 0.2% of cost with the chalan of 5% of it as VAT must be accompanied with tender for each instrument. The application fee must be as **D.D.** drawn in favour of **Finance officer, M.G. University.**
5. The DD/Cheque for EMD or any other must be drawn in of favour of **Director, School of Environmental Sciences (SES), Mahatma Gandhi University, PD Hills PO, Koattayam -686560m**, payable at **SBI Mahatma Gandhi University Campus Branch.**
6. Instrument should have a warrantee of at least one year and should have 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.
7. 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.
8. Laboratory floor space, electrical power requirements, earthing, room temperature/humidity requirements etc. should be mentioned appropriately.
9. 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 (hard and soft copies).
10. The Delivery Schedule, Payment Terms & Warranty/Guarantee etc must be clearly indicated in the technical bid. The charges for extended warranty and/or Annual Maintenance Contract after the expiry of offered warranty period should also be specified in the financial bid.
11. The price of the equipment should be quoted in Indian rupee. The total price of the equipment quoted should be inclusive of GST & other taxes if any; material cost; transportation cost; loading and unloading cost; installation cost; labour charges and all other expenses in whatsoever means.
12. Payment process will be initiated only after supply of items as per tender specifications and satisfactory installation of the items.
13. It will be the responsibility of the supplier to deliver the ordered materials at SES, Mahatma Gandhi University, Kottayam. All required materials for satisfactory installation are to be provided by the supplier at their own cost.

ANNEXURE III:

TENDER FORM PART-I (TECHNICAL BID)

Date:

From,

M/s.
.....

To,

Director
School of Environmental Sciences,
Mahatma Gandhi University,
Priyadarshini Hills P.O, Kottayam- 686 560,
Kerala, India.

Dear Sir,

I/We have gone through the tendering conditions pertaining to the Tender and General Terms and

Conditions of Contract and other requirement for delivery and complete Installation and Special Conditions of Contract contained herein with this tender document. I/we hereby agree to supply the stores conforming to the tender specifications incorporated in ANNEXURE II of the tender document and also agree to abide by your General Conditions of all Contracts and Special Conditions of Contract contained in the ANNEXURE II of the Tender document.

You will be at liberty to accept any or more of the items of stores offered by us and I/we shall be bound to supply you the stores as may be specified in the Purchase Order/Contract.

I/We hereby agree to keep the price valid for your acceptance for a period of 30 days from the date of opening of Part-II (Financial bid) of the tender. Deviations to Technical specifications contained in ANNEXURE I of the tender documents are detailed in ANNEXURE-A to the tender form while deviations proposed to the General Special Conditions of Contract contained in ANNEXURE II are detailed in Annexure-B to this tender. Price applicable for the stores are indicated separately in a sealed envelope marked as financial bid of the tender.

I/We are also enclosing herewith all the leaflets catalogue etc. pertaining to the stores offered.

Yours faithfully

Stamp and Signature of the Tenderer

ANNEXURE III: TENDER FORM PART-II (FINANCIAL BID)

Date:

From,

M/s.
.....
.....

To,

Director,
School of Environmental Sciences
Mahatma Gandhi University,
Priyadarshini Hills P.O, Kottayam- 686 560,
Kerala, India.

Dear Sir,

In response to your invitation and as per your tendering and contracting conditions, the prices applicable for the scope of supply contained in ANNEXURE-III (TECHNICAL BID) of our tender are indicated in the format at annexure "A" to this tender.

We hereby agree to keep the price valid for your acceptance for a period of 30 days from the date of actual opening of Part-II (FINANCIAL BID) of the tender.

Yours faithfully,

Stamp and Signature of the Tenderer