



**MAHATMA GANDHI UNIVERSITY**  
Priyadarshini Hills, Kottayam-686560

**Tender No: MGU/RUSA/SCS/8/2022-23**

**Dated: 05/08/2023**

**NOTICE INVITING TENDER**

**PI RUSA Project, School of Chemical Sciences, Mahatma Gandhi University, Kottayam** invites sealed tenders in original including all taxes for the supply and installation of scientific equipment from reputed dealers/ firms under the **RUSA Fund for the year 2023-2024.**

1	Name of the Scientific Equipment	<b>Hot Air Oven (Environmental Chamber 2) (Detailed specifications given in Annexure-1)</b>
2	Earnest money deposit (EMD)	Rs. 1500
3	Tender submission fee	Rs. 310
4	Period of supply and Installation	Within 90 days from L/C opening date
	Address	<b>Director School of Chemical Sciences Mahatma Gandhi University PD Hills Kottayam</b>
3	Date and time of bid opening	05/08/2023, 5.00 pm
4	Last date and Time of submission of tender with relevant documents.	15 days, 20/08/2023, 5.00 pm

Duly filled up and signed tender schedule along with relevant documents should be sent to **Director, School of Chemical Sciences, Mahatma Gandhi University, Kottayam** 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. **Relevant documents may also be sent to :** E-mail: dittydixon@mgu.ac.in

## **ELIGIBILITY CRITERIA**

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 **School of Chemical Sciences, Mahatma Gandhi University, Kottayam** Email: 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.

**PI RUSA Project**

**Please see the Annexures**

## **Hot Air oven Technical Specification**

- Temperature range should be ambient temperature plus 10 °C to 300 °C or better
- Interior volume should be 60 Litre Minimum
- The oven should be table top model and net weight of the unit (empty ) should not be more than 45kg
- External dimension should not be more than 560 W x 625 H x 565 D
- Should work under forced convection technology
- Should have unique heating system that ensures homogeneous temperature distribution inside chambers even under full load.
- Should have Controller with LCD display
- LCD display should be placed on door for easy access
- Controller should have facility for password protection
- Should be able to adjust temperature (°C or °F)
- Should have Powder-coated housing, color: RAL 7035 or equivalent
- The inner chamber and the inside of the doors are made of stainless steel V2A German Material No 1.4301, US equivalent AISI 304 and material no. 1.4016, US equivalent AISI 430
- Should have electromechanical controllable exhaust air flap - this feature must be available in controller
- 2 chrome-plated racks should be provided
- Minimum load per racks should be 30kg or more
- Should have IP protection 20 acc. to EN 60529
- Should have safety Class 2 integrated independent adjustable temperature safety device (DIN 12880) with visual alarm
- Should have USB port for recording data
- Should have ramp function in order to extend heating up times
- Temperature variation at 150 °C not be more than  $\pm 1.7$
- Temperature fluctuation at 150 °C not be more than  $\pm 0.3$
- Heating-up time to 150 °C not more than 18 min
- Recovery time after 30 seconds door open at 150 °C should be below 5 min
- Voltage [V] : 230
- Power frequency [Hz] : 50/60
- Unit fuse [A] : 6.3
- Sound-pressure level should be not more than 45 [dB(A)]
- Should have CE , EAC , DVE/GS conformity marking certificate and copy should be attach along with technical bid
- The oven should be stackable
- The quoted model technical data sheet details should be available in online for cross verification
- Technical compliance sheet should be provided.
- Warranty 1 Year

## **ANNEXURE-2**

### **Terms and Conditions**

- 1. Last date of submission of tender along with requisite fee, EMD and all documents is 20.08.2023 at 5 pm**
- 2. The technical bid will be opened on 05.08.2023 at 5 pm.**
- 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 GST must be accompanied with tender for each instrument. The application fee must be as D.D. drawn in favor of Director, School of Chemical Sciences Mahatma Gandhi University, Kottayam**
- 5. The DD/Cheque for EMD or any other must be drawn in of favour of Director, School of Chemical, Sciences, Mahatma Gandhi University, Kottayam payable at SBI Mahatma Gandhi University Campus Branch.**
- 6. Instrument should have a warrantee of at least three year and should have at least one Service engineer and one application scientist based in India with onsite training facility on the same quoted equipment. Training should include operation, 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 School of Chemical Sciences, Mahatma Gandhi University, Kottayam. All required materials for satisfactory installation are to be provided by the supplier at their own cost.**

**ANNEXURE 3:**

**TENDER FORM PART-I (TECHNICAL BID)**

Date:

From,

M/s. ....

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To,

**Director**

**School of Chemical Sciences**

**M.G. University, Kottayam, Pin-686560**

**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 1 of the tender document and also agree to abide by your General Conditions of all Contra acts and Special Conditions of Contract contained in the ANNEXURE 2 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 1 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 2 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 4:**

**TENDER FORM PART-II (FINANCIAL BID)**

Date:

From,

M/s. ....

.....

To,

**Director,**

**School of Chemical Sciences**

**M.G. University, Kottayam, Pin-686560**

**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-3 (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