



School of Chemical Sciences

Mahatma Gandhi University

Priyadarsini Hills P O,
Kottayam-686 560, Kerala, India

Tender No: MGU/SCS/SERB-SURE /2/2023-2024

Dated: 02/11/2023

NOTICE INVITING TENDER

PI, SERB-SURE project SUR/2022/003996, 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 SERB-SURE fund (SUR/2022/003996) for the year 2023-2024.

1	Name of the Scientific Equipment	Magnetic stirrer with hot plate (Qty: 2) (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 the equipment rounded to the nearest multiple of 100, subject to a maximum of 25,000/- + GST as applicable
4	Period of supply and Installation	Within 60 days from L/C opening date
	Address	Dr. Krishnan Kartha Kalathil, PI-SERB Project SUR/2022/003996 School of Chemical Sciences, M.G. University, Kottayam, Kerala Pin-686560, India
3	Date and time of bid opening	14/01/2023, 10.00 am
4	Last date and Time of submission of tender with relevant documents.	11 days, 13/11/2023, 5.00 pm

Duly filled up and signed tender schedule along with relevant documents should be sent to **Dr. Krishnan Kartha Kalathil, PI-SERB Project SUR/2022/003996 , 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- krishnankartha@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: office.scs@mgu.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.



PI- SERB SURE Project

Dr. Krishnan Kartha Kalathil
PI - SERB Project - SUR3996
School of Chemical Sciences
M.G. University, Priyadarsini Hills P.O.
Kottayam - 686 560, Kerala, India

Please see the Annexures

ANNEXURE-1

Technical Specification for Magnetic stirrer with hot plate

- Magnetic stirrer should be suitable for stirring tasks up to 20 l (H₂O)
- Hotplate temperature range in between RT - 310°C.
- Stirrer should have a speed range 50 – 1500 rpm with Setting accuracy of 10 rpm
- Temperature can be measured and controlled directly in the reaction medium
- Heating plate of Ø 135 diameter should be made of aluminium alloy for optimal and homogeneous heat transfer.
- Fireproof die-cast aluminium housing with high quality and durable powder coating
- Stirrer should have maintenance-free EC motor and electronic switching power supply
- Tempered shatterproof glass surface for optimal chemical resistance and easy cleaning
- Large bright white LED display & separate Illuminated symbols for displaying important status information (set and actual temperature, heating status, temperature sensor)
- USB and RS232 interface for control or documentation of the test parameters via a PC
- QR code for quick access to device information, accessories, downloads and extended warranty
- Easily accessible main switch on the front of the device
- Magnetic stirrer should be in accordance with the DIN EN 61010-2010 standard, it meets all safety requirements for laboratory equipment for heating substances and is therefore also suitable for unattended operation.
- The stirrer should be Tested and certified by TÜV SÜD according to standard IEC 61010-1 (cTÜVus)
- Adjustable hotplate temperature safety circuit 50 - 360°C (with tool)
- Automatic switch-off of the temperature control function if the connected external temperature sensor is not immersed in the medium.
- The system should be Class IP42.
- The stirrer should have DIN socket 12878 for connecting an electronic contact thermometer.
- Two optimized temperature control modes ensure fast heating or precise temperature control without overshooting
- Push and turn buttons for independent adjustment of the setpoints and starting / stopping of temperature and speed
- Should be provided with PT 1000 sensor
- 3 years warranty should be provided.

ANNEXURE-2

Terms and Conditions

- 1. Last date of submission of tender along with requisite fee, EMD and all documents is 13.11.2023 5 pm.**
- 2. The technical bid will be opened on 14.11.2023 at 10 am.**
- 3. Tenders must accompany a copy of the “Annexure 3 and Annexure 4” section of this document, signed and stamped on each page indicating that they agree to these.**
- 4. Tender form shall be downloaded from the University website (www.mgu.ac.in/Downloads/OtherForms/Format) of Tender Form.**
- 5. Earnest money deposit (EMD) should be submitted through online and the payment receipt shall keep with the tender (www.mgu.ac.in-Online Payment-Miscellaneous).**
- 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.

.....

To,

Dr. Krishnan Kartha Kalathil,
PI-SERB Project SUR/2022/003996
School of Chemical Sciences
M.G. University, Kottayam,
Kerala Pin-686560, 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,

**Dr. Krishnan Kartha Kalathil,
PI-SERB Project SUR/2022/003996
School of Chemical Sciences
M.G. University, Kottayam,
Kerala Pin-686560, 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