**IUIC/MGU/ST/2025-26**/**01**  22/05/2025

**NOTICE INVITING TENDER**

Hon. Director, Inter University Instrumentation Centre (IUIC), Mahatma Gandhi University invites sealed tenders for **INERT ATMOSPHERE MUFFLE FURNACE WITH PROVISION FOR EVACUATION**.

Last date and Time of submission of Tender: **28/05/2025 5:00 PM**

**ELIGIBILITY CRIETERIA**

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| 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 **Inter Instrumentation Centre (IUIC), Email: cic@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.

Sd/-

Hon. Prof. C. T. Aravindakumar

**Please see the Annexures**

**ANNEXURE-1**

**SPECIFICATIONS**

* Max. Temp required - 1000◦C
* Muffle chamber size should be 100 x 100 x 200mm made of Inconel 600 plate
* Provision of silicon rubber sealing with water cooling provision to use up to 900◦C
* Minimum size of Heating chamber 150 x 150 x 300mm
* Fully controlled inert gas(Nitrogen) purging under vacuum
* Display should be high Visibility LCD multi-colour multifunction display
* <0.1% low thermal drift
* Furnace should be Programmable type
* A secondary controller should be fitted for the safety of the instrument
* Up to 20 programmes of 8 segments or 10 programmes of 24 segments
* The heating method should be power controlled method for accurate temperature.
* Power supply – 3kw, 230 V AC supply
* Thermocouple should be high quality ‘K’ type
* Form factor should be suitable for Bench top operation
* Control valves requires are - SS valves suitable for doing evacuation admitting inert atmosphere and letting out the outlet gas
* Heating elements should be Kanthal A1 grade
* Fans should be fitted for providing cooling for controllers
* Furnace should be supplied with a vacuum Pump ,Suitable Connectors & Tubing
* Order details of similar purchases inside Kerala should be included with tender document’s
* Delivery & Installation should be onsite
* Warranty – One year

Vacuum Pump specifications:-

* Oil filled type foe longer operation
* Minimum capacity required is 100 LPM
* Compact & suitable type to use inside a lab
* Double stage direct device
* Oil mist collector should be included

Duly filled up and signed tender schedule along with relevant documents should be sent to **Hon. Director, Inter University Instrumentation Centre, Mahatma Gandhi University, Kottayam, Kerala, 686560** by speed post so as to reach before the date and time specified. The cover containing the document should be tender number and last date of submission of the tender.