

UNIVERSITY OF CALICUT

DEPARTMENT OF CHEMISTRY

23062/CHE-ASST-1/2025/Admn (IV)

27.01.2026

NOTICE INVITING QUOTATION

The Head, Department of Chemistry, University of Calicut, invites sealed and superscribed competitive quotations for a **Electrically heated muffle Furnace** to the Department of Chemistry, University of Calicut, from original equipment manufacturers (OEMs) or authorized distributors/dealers as per the technical specifications given below. The necessary superscription, due date for the receipt of quotations and the address of the officer to whom the quotation is to be sent are mentioned in the following table. Any quote received after the time fixed as the last date of submission will be rejected.

Quotations invited for the supply of a Electrically heated amuffle Furnace to the Department of Chemistry, University of calicut.		
1.	Name of the item	Electrically heated muffle Furnace
2.	Department to which Quotation is invited	Department of Chemistry, University of Calicut
3.	Last date and time for receipt of the quotation	09.02.2026,11.00 am
4.	Date and time for opening the quotation	09.02.2026, 02.30 pm
5.	Period up to which the rates are to be firm	120 days from the date of opening of the Quotation
6.	Place of Delivery	Department of Chemistry, University of Calicut, Calicut University P.O., Malappuram Dist., Kerala, PIN 673 635.
7.	Email id and contact number (for technical enquiry)	chemhod@uoc.ac.in, chemoffice@uoc.ac.in Mob. 9497625535.
8.	Designation and address of the officer to whom the quotation is to be addressed	The Head, Department of Chemistry, University of Calicut, Calicut University P.O., Malappuram Dist., Kerala, PIN 673 635.
9.	Superscription	Quotation for the supply of a Electrically heated muffle Furnace to Department of Chemistry, University of Calicut, under SPG 2025-26.

Terms and Conditions

1. The rate quoted should be inclusive of taxes and all other charges, including transportation, loading and unloading etc.
2. The quotationer shall possess GST registration and a copy of the GST registration certificates shall be enclosed with the quotation.

3. The successful quotationer shall supply the goods within 30 days of the supply order.
4. The University of Calicut, if it feels so, can re-negotiate the price with the lowest evaluated eligible quotationer.
5. The final acceptance of the quotation rests entirely with the University of Calicut who do not bind themselves to accept the lowest or any quotation. But the quotationer on their part should be prepared to carry out such portion of the supplies included in their quotations as may be allotted to them.
6. All rules and regulations of the quotation shall be in accordance with the Stores Purchase Manual of the Government of Kerala.
7. The quotationer shall provide the brand of the item including period of warranty offered by OEM.
8. Vendor shall ensure all necessary support for attending faults and carrying out such activities at site.

The Specifications ,terms and conditions are as follows.

Name of the Equipment	Specification	Quantity										
Electrically	<table border="1"> <tr> <td data-bbox="309 842 691 891">Inside Chamber Size</td> <td data-bbox="691 842 1345 891">600mm D x 600mm W x 200mm Ht</td> </tr> <tr> <td data-bbox="309 891 691 940">Power Rating</td> <td data-bbox="691 891 1345 940">22 KW</td> </tr> <tr> <td data-bbox="309 940 691 990">Max. Temp.</td> <td data-bbox="691 940 1345 990">1000 Deg C</td> </tr> <tr> <td data-bbox="309 990 691 1039">Working Temp.</td> <td data-bbox="691 990 1345 1039">900 Deg C</td> </tr> <tr> <td data-bbox="309 1039 691 1084">Power Supply</td> <td data-bbox="691 1039 1345 1084">415 V / 3 Ph / 50c/s AC</td> </tr> </table>	Inside Chamber Size	600mm D x 600mm W x 200mm Ht	Power Rating	22 KW	Max. Temp.	1000 Deg C	Working Temp.	900 Deg C	Power Supply	415 V / 3 Ph / 50c/s AC	
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	Power Rating	22 KW										
	Max. Temp.	1000 Deg C										
	Working Temp.	900 Deg C										
	Power Supply	415 V / 3 Ph / 50c/s AC										
<p>CONSTRUCTION DETAILS: -</p> <p>Furnace Casing: - Mild Steel Casing fabricated out of 2mm thick sheets with angle and channel reinforcements. Front Plate will be of 8mm thick mild steel.</p> <p>Insulation: - The furnace casing will be insulated with 250mm thickness CFI / HFI / IS 8 bricks to keep furnace skin temperature to the minimum.</p> <p>Heating Element: - The furnace will be provided with heating elements made out of Kanthal A1 wire, wound in the form of coils and supported on grooved refractories on top, two sides and bottom of the heating chamber. The terminals will be taken out and terminated to a sindhanio board on which the terminal rods will be shorted with fiberglass insulated copper wires. The terminals will be provided with perforated terminal covers.</p> <p>DOOR: - Hinged type manually operated mild steel fabricated door will be provided in the front suitably insulated and gasketed complete with door lock, door operation handle and inspection / test hole.</p> <p style="text-align: center;">INLET / OUTLET: - Inlet for fresh air and outlet for spent air will be provided.</p>												

**heated
amuffle
Furnace**

Control Panel: In built side mounted control panel with switchgears and instruments will be provided duly wired and ferruled as per IS standards for easy identification.

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INSTRUMENT PANEL

1 no. PID controller (48 mm Sq) :	Make – Multispan or equivalent
1 no. indicating type safety controller (48mm sq)	Make: - Multispan or equivalent
Thyristor / SSR	Make: Reputed
On/Off Rotary Switches:	Make: L&T / Siemens/ Schneider
Indicating Lamps:	Make: L&T/ Siemens/ Teknic
Contactors	Make: L&T / EE / Siemens
Thermocouples	Reputed Make

SAFETY ARRANGEMENTS:

- 1 no. indicating type safety controller for excess temperature protection in case the main controller fails
- Thermocouple fail safety protection device along with cold junction compensating device will be provided
- Visual and Sound Indicator for Excess High Temperature exceeding the Working Temperature.

PAINTING: The furnace will be painted with heat resistant aluminum paint and the control panel will be painted with Siemens grey.

Specific terms and Conditions:

1. Installation shall be done at the site proposed with service support and proper training.
2. The repair and services should be provided on-site. The office should be able to send the technical personnel for repair and maintenance of the equipment as per requirement within a day.
3. A comprehensive on-site warranty of minimum one year should be provided for the instrument
4. The Purchaser shall promptly notify the supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall with all reasonable speed, repair or replace the defective Goods or parts, without any extra cost to the Purchaser. If the Supplier, having been notified, fails to remedy the defect(s) within a reasonable period, the Purchaser may proceed to take such remedial action as may be necessary, at the Suppliers risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.
5. Annual Maintenance Contract Charges after warranty period should be clearly mentioned.

6. Bidders should provide Manufacturers Authorisation document.
7. The vendors/suppliers should have service centre and service persons in Kerala, service centre details (including address, phone number, email & website) should be attached with the bid.

General Conditions

1. Withdrawal from the quotation after it is accepted or failure to supply within a specified time or according to specifications will entail cancellation of the order and purchases being made at the offerer's expenses from elsewhere, any loss incurred thereby being payable by the defaulting party. In such an event, the University reserves also the right to remove the defaulter's name from the list of University suppliers permanently or for a specified number of years.
2. No representation for enhancement of price once accepted will be considered during the currency of the contract.
3. Any attempt on the part of quotationers or their agents to influence the Officers concerned in their favour by personal canvassing will disqualify the tenderers.
4. If any license or permit is required, quotationers must specify in their quotation and also state the authority to whom application is to be made.
5. The quotation may be for the entire or part supplies. But the quotations should be prepared to carry out such portion of the supplies included in their quotation as may be allotted to them.
6. In cases where a successful tenderer, after having made partial supplies fails to fulfill the contracts in full, all or any of the materials not supplied may, at the discretion of the Purchasing Officer be purchased by means of another tender/quotation or by negotiation or from the next higher tenderer who had offered to supply already and the loss, if any, caused to the University shall thereby together with such sums as may be fixed by the University towards damages be recovered from the defaulting tenderer.
7. The prices quoted should be inclusive of all taxes, duties, cesses, etc., which are or may become payable by the contractor under existing or future laws or rules of the country of origin/supply or delivery during the course of execution of the contract.
8. Ordinarily payments will be made only after the supplies are actually verified and taken to stock but in exceptional cases, payments against satisfactory shipping documents including certificates of Insurance will be made up to 90 per cent of the value of the materials at the discretion of University. Bank charges incurred in connection with payment against documents through bank will be to the account of the contractor. The firms will produce stamped pre- receipted invoices in all cases where payments (advance/final) for release of railway receipts/shipping documents are made through Banks. In exceptional cases where the stamped receipts of the firms are not received for the payments (in advance), the unstamped receipt of the Bank (i.e. counterfoils of pay-in-slips issued by the Bank) alone may be accepted as a valid proof for the payment made.
9. Any sum of money due and payable to the successful tenderer or contractor from University shall be adjusted against any sum of money due to University from him under any other contracts.
10. Special conditions, if any, printed on the quotation sheets of the tenderer or attached with the tender will not be applicable to the contract unless they are expressly accepted in writing by the purchase.
11. **The approval and payment of the bill will be done by the University after proper verification.**