

UNIVERSITY OF CALICUT
DEPARTMENT OF PHYSICS, KSCSTE PROJECT

QUOTATION NOTICE

Quotation Number	90876/Research-A-Asst-3/2016/Admn
Due date and time for receipt of quotations	30/04/2018 , 2.30PM
Date and time for opening of quotations	30/04/2018 , 3.30PM
Date up to which the rates are to remain firm for acceptance	60 days
Designation and address of officer to whom the quotation is to be addressed Superscription:	Dr.Libu K. Alexander, Principal Investigator, KSCSTE Research Project, Dept.of Physics,University of Calicut Mob: 09446376861, Email: LKA@uoc.ac.in
Quotation for: Purchase of: High temperature Furnace (min 800 C)	

Sealed quotations are invited for the supply of the equipment specified in the schedule attached below/overleaf. The rates quoted should be for delivery of the articles at the place mentioned below the schedule. The necessary superscription, due date for the receipt of quotations, the date up to which the rates will have to remain firm for acceptance and the name and address of officer to whom the quotation is to be send are noted above. Any quotation received after the time fixed on the due date is liable to be rejected. The maximum period required for delivery of the articles should also be mentioned. Quotations not stipulating period of firmness and with price variation clause and/or "subject to prior sale" condition are liable to be rejected.

Specifications of the equipment - High temperature Furnace (min 800 C)

Internal dimension : 125 x 125 x 250 cm or above

Watts : 2000 W.

Capacity : 4 Liter or above.

Body structure : Outer casing made of thick Mild Steel powder coated; Heating elements

are to be made of KANTHAL “A-1” wire. Thermal loss to be prevented by ceramic fibre insulation in space between the outer body & heating chamber.

Should have Fitted with heavy hinges; door duly insulated.

Temperature range : Ambient + 5⁰C to 900⁰C.

Accuracy : ± 2⁰C at higher temperature. Heavy duty hinged door with lockable handle.

Temperature controller : Fitted with thermocouple; (silver fuse for protection of chamber). PID programmable temperature controller with temperature increment related to time with step for soak and ramp, 99 program, Control program to be of multi step involving control in ramping rate, setting intervals of wait times at different temperatures etc. ON/OFF switch in Front Panel, energy regulator, pyrometer and indicators. Supplied with cord and plug.

Relay : Solid state electronic relay with protective heat sink

Insulation : Light weight with ceramic fibre wool insulation (instead of Brick insulation)

Accessory : A voltage stabilizer according to the power rating of furnace that can take care of the huge fluctuations in voltage needs to be quoted as an accessory to the equipment and quoted separate.

General requirements

- Warranty : Minimum one year.
- Equipment should be provided at the Department of Physics, University of Calicut without any extra transportation charges.
- Installation within 2 months of placing the order.
- Compliance statement against each of the above points of specifications should be part of the documents to be submitted.