

Department of Nanoscience and Nanotechnology,
University of Kerala,
Kariavattom, Thiruvananthapuram-695581
Phone No. 0471 2308863

Quotation Notice

No. KU/DNST/QN- 02/2023

Quotations are invited for the supply of one number of Hydrothermal Bomb Heating Unit to the Department of Nanoscience and Nanotechnology, with the following specifications.

Name of equipment	Technical Specifications
Hydrothermal Bomb Heating Unit	<p>Type: Vertical, externally rectangular in shape, with cube inner chamber, low thermal mass model, electrically operated. Door should be drop- on type.</p> <p>Outer Chamber : Fabricated from mild steel sheet sections, with necessary reinforcement for mechanical rigidity. The structure should be finished in heat resistant paint.</p> <p>Inner Chamber: Made from stainless steel 304 grade backed up by combination of high temperature resistant ceramic fibre blanket.</p> <p>Mode of Heating: By spirally wound A1 Grade Kanthal Heating Coils held in position by suitable refractory supports. Sensor provided should be Chromel/Alumel Thermocouple.</p> <p>Thermpereature Control: By a Thyristor Power Control Unit coupled with Digital indicating P.I.D Temperature Controller.</p> <p>Control Cubicle: A Compact Control Cubicle having P.I.D Temperature Controller, Switches and Indicators, Safety Fuse, Output, Earth and Connecting leads etc.</p> <p>Working Chamber area: 200 mm x 200 mm x 250mm H.</p> <p>Operating Temperature: 200⁰C</p> <p>Operating Voltage: 230 Volts, 1 phase, A.C Power Rating 2.5 kw</p> <p>Hydrothermal Bomb(Autoclave) : Screw Type Hydro Thermal Bomb(Autoclave) with inner Teflon Lining, and outer made from steel with lid and tightening fixtures</p> <p>Capacity: 300 ml</p> <p>Warranty: 2 years onsite</p>

GENERAL INSTRUCTIONS:-

1. Incomplete & conditional quotations and quotations received after the due date will be summarily rejected without assigning any reasons thereof.
2. The price should be inclusive of all taxes, duties, transportation, installation etc. Nothing extra will be paid in addition to the quoted rate.
3. Payment Terms: 100% payment after supply and successful demonstration of the working of the equipment.
4. Validity of quotation: Quotation submitted shall remain valid at least for 90 days from the date of opening the quotation.
5. Delivery and installation: Proposed delivery schedule should be mentioned clearly. Delivery and installation should be made at the Department of Nanoscience and Nanotechnology, University of Kerala, Kariavattom campus, Trivandrum- 695581, without any extra cost.
6. Service facility: Supplier should mention their details of service setup and manpower in Trivandrum who are responsible for after sales support.
7. The model number, make, and a printed literature of the product shall be submitted positively.
8. Vendors should provide a list of institutes showing installations of such instruments in India with contact numbers.

Sealed quotations should reach the "Head-in-charge, Department of Nanoscience and Nanotechnology, University of Kerala, Kariavattom, Thiruvananthapuram-695581" on or before 20.01.2023, 3:00 PM.

05.01.2023

Head-in-charge