

Notice: Specifications of Instruments (For University Website)

QUOTATION NOTICE

Sealed quotations are invited from the interested vendors/suppliers for purchase of the following **Instruments/item** in the Department of Chemistry, University of North Bengal.

1. Solvothermal Reactor

All Quotations are to be submitted accompanying with GST & PAN photocopies, duly stamped and signed along with valid certificates as sole distributor/dealership, if applicable, to Dr. Bhaskar Biswas, Professor, Department of Chemistry, University of North Bengal, Darjeeling-734013 within seven (07) days from the date of advertisement. For further query in this matter, please contact at 7003372248.

Terms and Condition:

1. Copy of current year PT challan, Trade License, PAN card, GST registration certificate duly signed & stamped shall be accompanied with the technical bid documents. [Non Statutory Documents]
2. Rate should be inclusive of all taxes and charges. However, rate of GST and amount should be shown separately.
3. Quotation should be valid at least three months.
4. All the items are to be assured with warranty.
5. Supply shall be done within 15 days after issuing supply order.
6. Item(s) should be delivered in the Department of Chemistry, University of North Bengal.
7. All payment will be made as per financial Rules of the University of North Bengal.
8. Selection of the agency will be made on the basis of both technical and financial bids. The technical bid and the financial bid should be sealed by the bidder in separate cover duly superscribed and both the sealed covers are to be put in a bigger cover which should also be sealed and duly superscribed. The technical bids will be opened by the office at the first instance and evaluated. At the second stage, financial bids of only the technically acceptable offers will be opened for furnishing value and ranking before finalization and awarding of the contract. After evaluation the highest rate of discount (H1) financial bid from among the technically qualified bidders will be accepted.
9. The University reserves the right to accept in part or in full or reject any or more quotation(s) without assigning any reason or cancel the tendering process and reject all quotations at any time prior to award of contract, without incurring any liability, whatsoever to the affected bidder or bidder(s).
10. The last date for submission of the tender form is up to 05:30 P.M. of the seventh (7th) day on and from the date of publication of the advertisement and will be opened on after two working days from stipulated time of the acceptance period at the office of the Head, Department of Chemistry, University of North Bengal.
11. For any clarification regarding tender please contact with the undersigned (Tel. No. 0353-2776381).


Registrar

Advt. No. 07/R-2021 Dated 14/7/2021



DR. BHASKAR BISWAS
Professor
Department of Chemistry
University of North Bengal
Darjeeling - 734 013 (W.B.)

Sl. No.	Name of the Instrument s/Items	Specification	Preferred Band	Qty
1.	Solvothormal Reactor	<p>Solvothormal Reactor</p> <p>(a) Solvothormal oven Construction: The Oven needs to be made of Stainless still (S.S.304 / S.S 316) inner and thick gauge Mild steel (CRCA) / S.S. 304 sheet duly epoxy powder coated outer body. Temperature should be achieved by heaters mounted outside the chamber to consume working chamber. Vacuum Valve & Gas inert line need to provide on one side of the unit. Standard Model Inside S.S. 304 mirror finish. Outer Mild steel (CRCA) sheet with powder coated. Inner & Outer SS 304 Inside S.S. 304 mirror finish & Outer S.S. 304 with dull smooth buff finish.</p> <p>Insulation: (Rectangular) - 4" High grade glass wool insulation to minimize heat loss.</p> <p>Heating System: Heating element should be made from the best quality kanthal DSD wire is used to develop unique temperature inside the chamber.</p> <p>Safety: Safety cum stand by thermostat to cut off the Heater supply in case of overshoot of temperature.</p> <p>Door: Toughened glass window in door to allow viewing of samples inside the chamber. Secure door latch and continuous silicon gasket on vacuum chamber provide a tight seal & maintain a vacuum leak rate of less than 1 Hg. per 24 hour period.</p> <p>Trays: Stainless steel shelf systems improve heat conduction to samples & easily removed for cleaning.</p> <p>Supply: 230V AC, Single Phase, 50Hz</p> <p>Temperature Range: +50° C to +200°C ± 0.2 °C</p> <p>Control System: Imported Microprocessor based auto tuned PID controller with CE mark & dual display of set value & process value for precise control of temperature.</p> <p>Vacuum Capacity Can withstand a vacuum of - 760 mm of mercury relevant to height from sea level.</p> <p>Internal size H x W x D cm: 35 x 35 x 35 With Glass window</p> <p>(b) Vacuum Pump Head : Double Free Air Displacement: 45 Ltrs/Min Max. Vacuum: 27" Hg H.P./phase : 1/4/Single</p> <p>(c) Solvothormal Autoclave 10 ml (01) & 25 ml (01) Capacity - 10 ml & 20 ml Technical specifications:- Working Temperature - 220°C Safe Temperature: - 200°C Working Pressure: ≤ 3MPa Heating and Cooling Rate: ≤ 5°C/min Material: Shell made of high quality stainless steel Inner PTFE (Teflon Liner) Chamber</p> <p>Manufacturer Warranty: 3-year comprehensive warranty Rate of the equipment needs to be quoted in Indian Rupees. Servicing Conditions needs to be mentioned.</p>	Any reputed brand	01


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