



SHORT QUOTATION NOTICE

TU/11-24/Pur/Qtn/2017-18/~~5057-A~~ dated: ...~~8.2.2018~~

Sealed quotations are invited from reputed manufacturers/authorized dealers/vendors for supply, installation & commissioning etc. of following item required for the CSIR Sponsored Research Project of Dr. Sajal Kr. Das, Department of Chemical Sciences, Tezpur University.

Item with Specifications:

LOW TEMPERATURE REACTION BATH WITH IN-BUILT MAGNETIC STIRRER

SPECIFICATIONS:

Working temperature range: 0 °C to -90 °C (zero °C to minus 90°C)

Temperature stability in bath: ± 1 °C

Temperature selection: Digital

Temperature indication: LCD or LED display

Resolution in °C: 0.1 °C

Temperature controller: Microprocessor controlled membrane keypad with soft touch switches.

Following features should be present:

- Display of Set Value & Process Value.
- Internal Sensor: Pt100.
- Control Method: PID, On/Off Mode.

Cooling Capacity °C (W): +10 (1660), -20 (1057), -40 (510), -60 (397), -80 (155)

Magnetic-Stirrer: Rotational speed around 200 – 1000 rpm with electronic digital speed indicator.

Cooling-Coil in Bath: Should be made of Stainless-Steel.

Cooling compressor: 2-stage

Refrigerant: R404A + R23 preferred

Mains power connection V/ Hz: 230 V/50 Hz

Pressure Safety Switch: To protect the compressor from excess pressure.

Over Heat Protection: To protect the compressor from overheat, built in compressor.

Round Bottom Flask Capacity: 100-500 mL

Reaction-Bath Capacity: 1.5 – 2.0 L

Cord & Plug: Should be provided to work on 220-230 volts, A.C. supply.

Warranty: Minimum three years of comprehensive warranty from the date of installation

GENERAL TERMS & CONDITIONS:

1. No separate tender paper will be issued from the office; one should only download the specifications/List from the website.
2. **The rates should be preferably quoted in Indian Rupee and FOR Tezpur University, Napaam basis. Charges for clearing and transportation should be incurred by the supplier.**
3. *Quotations should be accompanied by i) An EMD (in the form of Demand Draft/Call Deposit/TDR) of ₹. 5000/- (Rupees Five Thousand) only drawn/pledged in favor of Registrar, Tezpur University, payable at Tezpur. **No request for consideration of earlier deposited EMD will be considered.** ii) A non-refundable application (quotation) fee of ₹.1000.00 (Rupees One Thousand) only must be paid only by Demand Draft drawn in favour of Registrar, Tezpur University payable at Tezpur.*
4. The rates should be exclusive of GST and applicable GST in % should be clearly indicated.
5. Applicable levies, surcharge and discounts should be clearly indicated itemwise.
6. Quoted rates should be valid at least for a period of 01 year.
7. The rates should be quoted along with supporting documents of specifications and technical features and list of users.

