

# The University of Burdwan



Soumen Bhattacharjee  
*Professor, Department of Botany*  
*UGC Centre of Advanced Studies*

Golapbag Campus  
Burdwan - 713104  
West Bengal,

## Tender Notice

**Tender Title:** Sealed quotations are invited from interested vendors for the following item (Instrument) needed for a DST-BT (Govt of West Bengal) funded project, Vide Sanction No. 2361(Sanc)/STBT-11012(27)/3/2024-ST SEC dated 21/03/2024 (PI: Dr. Soumen Bhattacharjee, Professor & Coordinator, UGC Center for Advanced Study, Department of Botany, The University of Burdwan)

**Tender Refn.No:** DST-BT /SB/BOT BU 2024/01

**Tender Date:** 24/01/2025

**Last date of Tender Submission:** 12/02/2025

**Item:**

### 1. Ultra Low Deep Freezer (-80°C)

#### Technical Specifications

- Internal Volume (Ltrs.) : 90
- No. of Trays : 2
- No. of Internal Doors : 1
- Internal Dimensions W x D x H (mm) : 400 x 400 x 580
- External Dimensions W x D x H (mm) : 711 x 877 x 1405
- Operating Temperature Range : -450 C to -860 C
- Insulation (CFC Free Polyurethane Foam) : Body – 150 mm Sides, 300 mm Back, Door 110 mm
- Temperature Control : Microprocessor with PT-100 sensor
- Display : 4" Display
- Power Failure Alarm : Audio Visual Alarm

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- Door Open Alarm : Audio Visual Alarm in case door open for over one minute
- Internal Body Material : SS 304 (AISI Grade, Non Corrosive, Non Magnetic)
- External Body Material : Powder Coated CRCA Steel
- Noise Level : Less than 65 db (A)
- Battery Backup: Rechargeable, Backup 8 hrs. (for Alarm System and Temperature Recorder)
- Recommended Voltage Stabilizer : VS-05
- Supply : 220 – 240 Volts, 50 Hz Single Phase

## 2. Rotary Vacuum Evaporator

### Technical Specifications

#### GLASSWARE

- Condenser type : Vertical
- Cooling surface : 1500 cm<sup>2</sup>
- Evaporating Flask : 100 ml to 2000 ml
- Receiving Flask : Max 1000 ml GENERAL
- Motor principle : DC
- Speed range : 20 -200 rpm
- RPM Display : LED
- Lift : Motorised
- Stroke : 150 mm
- Lift Speed : 6 mm/sec
- Voltage : 220 - 240 V
- Frequency : 50 Hz WATER BATH

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- Temperature Controller : Digital (PID)
- Heating temperature range : Ambient + 5°C -180 °C
- Heat output : 1250 W
- Temperature Uniformity :  $\pm 1$  °C
- Filling volume max. : 3.5 L
- Inner Body : Stainless Steel 304 Grade
- Outer Body : Aluminium Powder Coated SIZE & WEIGHT
- Dimensions (L x W x H) : 940 x 510 x 560 mm
- Weight : 31 kg OPERATING CONDITIONS
- Permissible ambient temperature : 5 -40 °C
- Permissible relative humidity : 80 %
- IP Rating : IP 20 Complete with oil free Vacuum Pump, Piston, Glassware and Chiller.

### 3. Analytical Balance

#### Technical Specifications

Max. (Capacity) : 220g

Readability ( d ) :0.001g

Repeatability: 0.2mg

Linearity (+/-) : 0.4mg

Min. Capacity : 10mg

Verification Scale Intervals (e) : 1mg

Calibration : Internal Calibration

Class : Class I

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Display : 5 inch Touch Screen

Response Time : 3 - 5 Sec

Pan Size (mm) : 80 mm Ø

Tare Range : Full

Operating Temperature : 150 C to 300 C

Sensitivity Drift (+/-) : 2ppm / 0C

Density : Function Available

Key Sound : Yes

Weighing Chamber : 240 x 190 x 265 mm

Unit : g, mg, ct, oz

Baud rate Options : 1200, 2400, 4800, 9600

Interface : RS232C

Power Supply : AC 220V / 50-60 Hz

Dimension (LxWxH) : 475 x 315 x 485 mm

Weight : 10 Kg

## Other conditions

1. Installation shall be done by free of cost.
2. Price must be quoted in Indian Rupees and are FOR Destination basis (including all taxes).
3. No other currency will be accepted.
4. Prices must be GST inclusive as applicable as per Govt. Rules.
5. 100% payment after successful installation.
6. The quotation should include recent installation report from well-known research laboratories/Institutions.

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7. Warranty: One year of comprehensive warranty for the documentation system and the camera from the date of successful installation and commissioning is essential.
8. The manufacturer must have a strong service setup in Kolkata and adjoining areas.
9. Delivery should be done within 4 to 6 weeks on the receipt of the technically & commercially clear order.
10. Price shall remain firm and valid for at least 90 days from the date of opening of Quotation. Further extensions shall not be entertained within this period.

## **General Terms & Conditions:**

1. All prices should be quoted in INR only.
2. Prices are to be quoted inclusive of GST and delivery charges, if any. Incomplete items will be rejected.
3. Sealed Envelope containing quotation should be super scribed as “Quotation for Tender No” for DSTBT funded Research Project, P.I. Prof Soumen Bhattacharjee, Department of Botany, The University of Burdwan, Burdwan-713104.
4. Tender No. should be mentioned on the envelope positively.
5. Warranty One year additional / extended warranty for 2nd year, beyond the 1st year’s warranty.
6. Payments terms: Payment will be made after successful installation of the instruments.
7. Delivery schedule: After receipt of the work order the materials should be delivered within one month & if any defect of the supplied items is found, it should be replaced immediately from vendor’s side.

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Sl. No.	Particulars	Date & Time
1	Date of uploading of N.I.T. & other Documents (online) (Publishing Date)	24/01/2025
2	Documents download/sell start date (Online)	24/01/2025
3	Documents download/sell end date (Online)	12/02/2025
4	Bid submission start date (On line)	26.01.2025
5	Bid Submission closing date(On line)	12/02/2025
6	Bid opening date for Technical Proposals (Online)	14/02/2025
7	Date of uploading list for Technically Qualified Bidder(online)	To be notified later.
8	Date for opening of Financial Proposal (Online)	To be notified later.