



तेजपुरविश्वविद्यालय/ TEZPUR UNIVERSITY
(केंद्रीयविश्वविद्यालय/A Central University)
कुलसचिवकाकार्यालय/OFFICE OF THE REGISTRAR
तेजपुर-784028 :: असम/ TEZPUR-784028 :: ASSAM

NOTICE INVITING BID

TU/GeM/BoQ-Bid (133)/2023-24/ 1128 Date 11-07-2023

Bids in 02 Bid System (Technical and Financial) are invited on GeM from reputed manufacturers/authorized dealers for supply of Laboratory Equipment for "Bio Electricity Generation Using Pilot Scale Model Septic Tank Installed under Swachh Bharat Mission" for Dr. Kamal Uddin Ahamad, Department of Civil Engineering of Tezpur University.

Please read the Bid document carefully before participating. It shall be deemed that submission of bid by the bidder has been done after their careful study and examination of the Bid terms with full understanding to its implications. Any lack of information shall not in any way relieve the bidder of its responsibility to fulfill its obligations under the Bid.

The University will reject a proposal for award if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for, or in executing, the Purchase Order. Fraudulent Practice means a misrepresentation of facts in order to influence a procurement process and includes collusive practice among bidders (prior to or after Bid submission) designed to establish Bid prices at artificial non-competitive levels and to deprive Tezpur University of the benefits of free and fair competition. Corrupt Practice means offering, giving, receiving or soliciting of anything of value, pressurizing to influence the action of a public official in the process of this purchase execution.

For any queries/doubt please contact the Stores & Purchase Section (e-mail: snp@tezu.ernet.in) or in the email id mentioned in the GeM Bid.

GENERAL TERMS & CONDITIONS:

1. The items desired to be procured through this bid are supplementary to each other and in execution of the project in entirety, as such interested participants may note that they are to quote for all the items as desired to be procured through this bid.
2. Bidders who have participated in the earlier bid- "TUGem/BoQ-Bid (133)/2023-24/504, dated 19/05/2023" are hereby informed to resubmit their bids under this fresh NIB.
3. **Rates:** Rates quoted should be on **FOR Tezpur University, Napam, Tezpur, Door Delivery Basis**, for indigenous items and **CIP Tezpur University, Napam, Tezpur or Delivered Duty Paid**, for imported item. Failure to comply with this term may lead to rejection of the quotation.
4. **Quotations should be accompanied by** i) An EMD (in the form of Demand Draft/Banker Cheque) for Rs. 20,000.00 (Rupees Twenty Thousand) only drawn in favor of Registrar, Tezpur University, payable at Tezpur. **No request for consideration of earlier deposited EMD will be considered.** ii) Bidders who are MSME/NSIC registered needs to furnish a "Bid Security Declaration" (format enclosed at Annexure – II) in lieu of EMD accepting that if they withdraw or modify their bids during period of validity etc., they will be suspended for a period of Three (03) years from participating in any future bid invited/published by Tezpur University. Bidders who are MSME/NSIC registered seeking exemption from payment of EMD are to submit valid documents in support of their claim. Bidders seeking exemption are asked to clearly mention the category under which exemption is claimed. The category of exemption under MSME/NSIC will be strictly adhered to. iii) **The original copies of the EMD/Bid Security Declaration should be deposited/submitted/reach the office of the undersigned before opening of the Bids in an envelope superscribed as "Quotation/Participation Fee and EMD for TU/GEM/BOQ-**



तेजपुरविश्वविद्यालय/ TEZPUR UNIVERSITY
(केंद्रीयविश्वविद्यालय/A Central University)
कुलसचिवकाकार्यालय/OFFICE OF THE REGISTRAR
तेजपुर-784028 :: असम/ TEZPUR-784028 :: ASSAM

BID/(133)/2022-23/...1128.....DT-11-07-2023 addressed to the Assistant Registrar-GA, Tezpur University. Failure to do so may result in rejection of the bid.

5. Bidders/Tenderers are to ensure that they are GST compliant and that their quoted tax structure/rates are as per GST law. The rates should be exclusive of taxes and applicable tax percentage should be clearly indicated. Financial/Price Bid format where taxes cannot be mentioned separately, in such cases, the percentage of taxes applicable should be mentioned in the Technical Bid document.
6. **Validity of Quotation:** Quoted rates must be valid for at least **180 days** from the last date of submission of quotation.
7. Applicable levies, surcharge and discounts should be clearly indicated item wise.
8. The rates should be quoted along with supporting documents of specifications and technical features and list of users, wherever applicable.
9. **Literature a must:** All the quotations must be supported by technical leaflet/literature and the specifications mentioned in the quotation must be reflected/ supported by such technical leaflet/ literature. The model and specifications quoted should **invariably be highlighted** in the leaflet/literature for reference of the Purchase Committee.
10. **After Sales Service Guidelines:** In case of imported goods, bidders should clearly state the detailed address, contact number and email ids of 'after sales service centre' preferably in Tezpur/Guwahati, India or any place in Assam without which their offers shall be liable for rejection. Service against any complaint must be provided within 24hours.
11. **Dealership Certificate:** Dealers or Agents quoting on behalf of Manufacturer must upload valid dealership certificate.
12. **Quality Certificates:** Valid certificate to prove that the products are genuine and of international standard, as mentioned below, must be uploaded: (a) Manufacturer's certificate; (b) ISO/ISI certificate.
13. **Genuine Pricing:** Vendor is to ensure that quoted price is not more than the price offered to any other customer in India to whom this item has been sold, particularly to Universities/IITs/Institutes and other Government Organization.
14. **Payment:** 100% payment after successful delivery, installation and commissioning (if required in the scope of supply) and acceptance by the user.
15. **PENALTY FOR DELAYED DELIVERY:** The date of delivery should be strictly adhered to. In the event of delayed delivery, installation & commissioning, the vendor shall be liable for a penalty deduction as per prevailing rule.
16. **As per GoI Notification vide: 11/22 dated 14.11.2022 GST % for Public Funded Research Institution or a University has been reduced to 18%. Hence, the rate of GST may be charged as per reduced rate. An Exemption Certificate will be provided on request.**
17. The University is exempted from paying Custom and Excise duty.
18. Warranty/Guarantee applicable if any, period should be specifically mentioned in the quotation.
19. Irresponsive/incomplete quote will be rejected.
20. **Conditional tenders not acceptable:** All the terms and conditions mentioned herein must be strictly adhered to by all the vendors. Conditional tenders shall not be accepted on any ground and shall be rejected straightway. Printed conditions mentioned in the tender bids submitted by vendors will not be binding on Tezpur University.
21. **Enquiry during the course of evaluation not allowed:** No enquiry shall be made by the bidder(s) during the course of evaluation of the tender till final decision is conveyed to the successful bidder(s). However, the Purchase Committee or its authorized representative (Tezpur University) can make any enquiry/seek clarification from the bidders. In such a

Prabha



तेजपुरविश्वविद्यालय/ TEZPUR UNIVERSITY
(केंद्रीयविश्वविद्यालय/A Central University)
कुलसचिवकाकार्यालय/OFFICE OF THE REGISTRAR
तेजपुर-784028 :: असम/ TEZPUR-784028 :: ASSAM

situation, the agency shall extend full co-operation. The bidders may also be asked to arrange demonstration of the offered items, in a short period notice, as such the bidders have to be ready for the same.

Termination for default: Default is said to have occurred

- a. If the equipment or any of its component is found having poor workmanship, faulty designs, poor performance and bad quality of materials used.
- b. If the supplier fails to deliver any or all of the services within the time period(s) specified in the purchase order or any extension thereof granted by Tezpur University.
- c. If the supplier fails to perform any other obligation(s) under the contract.
- d. Under the above circumstances Tezpur University may terminate the contract / purchase order in whole or in part and forfeit the EMD/PBG as applicable. In addition to above, Tezpur University may at its discretion also take the following actions: Tezpur University may procure, upon such terms and in such manner, as it deems appropriate, goods similar to the undelivered items/products and the defaulting supplier shall be liable to compensate Tezpur University for any extra expenditure involved towards goods and services obtained. Besides, the Vice-Chancellor, Tezpur University, and reserves the right to impose any other form of penalty as deemed fit including blacklisting of the vendor.

22. **Selection criteria:**

i. **Evaluation Criteria:**

To ensure that each bidder has the necessary qualifications and resources to full fill its obligations under the contract, the following criteria shall be evaluated. The Eligibility, Financial, Experience & Support criteria should be passed before the technical criteria. Technical criteria will be evaluated and ranked by the award of ACCEPT and/or REJECT. Only the ACCEPTED vendors will be considered for price bid. In case a joint venture makes a bid, any one of the members of the joint venture need to be qualified for each of the criteria mentioned below.

ii. **Eligibility Criteria:**

- a. The bidder or the OEM should not be blacklisted by Tezpur University or any other Educational /R&D/ PSU/ Govt organizations. A certificate or undertaking to this effect must be submitted.

iii. **Technical Criteria**

Technical bids will be evaluated and ranked by the award Accepted & Rejected. The price bids of Accepted vendors would then be considered by the concerned Purchase Committee of the institute

Delivery Period

23. The delivery installation and commissioning should be completed with **30 Days** of the award of BID without any deviation.

Assistant Registrar-GA, i/c
Tezpur University



Technical Specifications cum Compliance Report
(To be submitted on Company's/Firm's Letterhead Signed and Sealed)

Sl. No		Product Specification
1	Bacteriological Incubator	<p>Capacity: 95ltr, Size: 450x450x450mm, Shelves: 2</p> <ul style="list-style-type: none">• Precise Sterilization, Incubating & drying in one built• Kanthal A-1, Super quality coil shaped heaters duly embedded/ wounded on the sides & bottom for better accuracy• Best Quality Bi-Metallic Hydraulic Capillary Thermostat to give accurate result.• Temp. range : Ambient to 70°C• Temp. Stability :+/- 0.5°C• Control Panel: With mains & load indicator mains switch & fan switch. Temp. controller• Material : Mild steel with powder coated S.S.Gate• Digital setting : 0.1°C• Digital resolution :0.1°C• Safety function: Temp. over shoot high & low temp. alarm ± 5 D°C MCB Provided.• Interior : S.S.304 grade sheet• Insulation :Ceramic blanket/Mineral wool• Front Door: Mineral wool insulated door with glass window.• Power consumption: 220/230V AC Supply +/- 10%, 50 Hz.• Duty cycle : Continuous
2	Orbital Shaker	<p>Volume: To Hold 12 Flask of 250ml</p> <ul style="list-style-type: none">• Floor Model : Incubator Shaker with Refrigerated temp. range• Orbital Shaking Motion• Shaking Orbit / Amplitude : 15-35mm• Control Panel : Digital Temperature controller with LCD/LED display, Timer up to 24 Hrs, RPM with Display• Temp. Range: (Heating & Cooling) 5°C to 60°C with accuracy ± 0.5°C• Speed range: upto 250rpm with Digital Display ± 5 rpm• Universal Trays to hold various sizes of clamp• Interior of Stainless Steel 304 & Outer made of M.S duly powder coated• Capacity: to hold 12 flask of 250ml• Transparent Door for viewing or sample places inside• High Temperature safety Cut-off• Compressor : CFC Free Compressor with Overloaded Protector• Motor : Solid State Brushless Induction• Power Supply: 200-240V, 50Hz single phase
3	Compressor	--
4	Horizontal Laminar Air Flow	<p>Horizontal Laminar Air Flow 3'x2'x2'</p> <p>Outer is made of Stainless steel. Working table made of S.S.</p> <ul style="list-style-type: none">• Silent Air Blower unique design of circulation for uniform air movement.• A Horizontal unit flow clean bench has an open work table featuring a reliable & easy control.• Low noise & low vibrations motor is adopted for, the speed can be adjusted step by step. The thin switch on panel make a reliable & easy control.

Handwritten signature



तेजपुरविश्वविद्यालय/ TEZPUR UNIVERSITY
 (केंद्रीयविश्वविद्यालय/A Central University)
कुलसचिवकाकार्यालय/OFFICE OF THE REGISTRAR
 तेजपुर-784028 :: असम/ TEZPUR-784028 :: ASSAM

		<ul style="list-style-type: none"> • Full feature Hepa Filters, Pre-filters comprising of non-woven micro fibre glass pleated media, pleats are separated by corrugated Alum. Foil separators, HEPA filters are protect by plastic grill. • The side panels are made of good quality Thick Perspex sheet duly framed in anodized Alum. • Working bench is fitted with fluorescent light & UV Germicidal light having separate control in front. • Voltage required 220/230V AC +10% Supply 50 Hz. • High quality Hepa filter unit efficiency 99.99% @0.3 (Microns) 																												
5	BENCH pH/mV/TEMP METER	<table border="1"> <tr> <td>pH Range</td> <td>-2.00 to 16.00 pH</td> </tr> <tr> <td>Resolution/Accuracy</td> <td>0.01 pH/± 0.01 pH</td> </tr> <tr> <td>ORP Range</td> <td>± 2000 mV</td> </tr> <tr> <td>Resolution/Accuracy</td> <td>0.1 (± 199.9 mV) / 1 mV (beyond) ± 0.2(± 199.9 mV) /± 2 mV (beyond)</td> </tr> <tr> <td>Temp.Range</td> <td>0.0 to 100.0^oC (32.0 to 212.0^oF)</td> </tr> <tr> <td>Resolution/Accuracy</td> <td>0.1^oC(0.1^oF)/±0.3^oC / ±0.5^oF (0 to 70^oC)</td> </tr> <tr> <td>ATC</td> <td>Yes (0 to 100^oC)</td> </tr> <tr> <td>Buffer Options</td> <td>USA : pH 1.68, 4.01, 7.00, 10.01,12.45 NIST: pH 1.68, 4.01, 6.86, 9.18 ,12.45</td> </tr> <tr> <td>No.of pH Calibration Points</td> <td>5 points</td> </tr> <tr> <td>Built-in Electrode Arm</td> <td>Yes</td> </tr> <tr> <td>Memory</td> <td>100 Data sets</td> </tr> <tr> <td>Electrode</td> <td>Included ,single junction pH electrode. ORP electrode to be ordered separately</td> </tr> <tr> <td>Temp.Probe</td> <td>Included</td> </tr> <tr> <td>Power Requirements</td> <td>Included, 100 /240VAC SMPS Power Adapter with US/UK/EUR/Japan plug ,9V,6W, CENTRE</td> </tr> </table>	pH Range	-2.00 to 16.00 pH	Resolution/Accuracy	0.01 pH/± 0.01 pH	ORP Range	± 2000 mV	Resolution/Accuracy	0.1 (± 199.9 mV) / 1 mV (beyond) ± 0.2(± 199.9 mV) /± 2 mV (beyond)	Temp.Range	0.0 to 100.0 ^o C (32.0 to 212.0 ^o F)	Resolution/Accuracy	0.1 ^o C(0.1 ^o F)/±0.3 ^o C / ±0.5 ^o F (0 to 70 ^o C)	ATC	Yes (0 to 100 ^o C)	Buffer Options	USA : pH 1.68, 4.01, 7.00, 10.01,12.45 NIST: pH 1.68, 4.01, 6.86, 9.18 ,12.45	No.of pH Calibration Points	5 points	Built-in Electrode Arm	Yes	Memory	100 Data sets	Electrode	Included ,single junction pH electrode. ORP electrode to be ordered separately	Temp.Probe	Included	Power Requirements	Included, 100 /240VAC SMPS Power Adapter with US/UK/EUR/Japan plug ,9V,6W, CENTRE
pH Range	-2.00 to 16.00 pH																													
Resolution/Accuracy	0.01 pH/± 0.01 pH																													
ORP Range	± 2000 mV																													
Resolution/Accuracy	0.1 (± 199.9 mV) / 1 mV (beyond) ± 0.2(± 199.9 mV) /± 2 mV (beyond)																													
Temp.Range	0.0 to 100.0 ^o C (32.0 to 212.0 ^o F)																													
Resolution/Accuracy	0.1 ^o C(0.1 ^o F)/±0.3 ^o C / ±0.5 ^o F (0 to 70 ^o C)																													
ATC	Yes (0 to 100 ^o C)																													
Buffer Options	USA : pH 1.68, 4.01, 7.00, 10.01,12.45 NIST: pH 1.68, 4.01, 6.86, 9.18 ,12.45																													
No.of pH Calibration Points	5 points																													
Built-in Electrode Arm	Yes																													
Memory	100 Data sets																													
Electrode	Included ,single junction pH electrode. ORP electrode to be ordered separately																													
Temp.Probe	Included																													
Power Requirements	Included, 100 /240VAC SMPS Power Adapter with US/UK/EUR/Japan plug ,9V,6W, CENTRE																													
6	BENCH CONDUCTIVITY/TDS/TEMP. METER	<table border="1"> <tr> <td>Conductivity Range</td> <td>0.01 to 200.0 mS/cm</td> </tr> <tr> <td>Resolution</td> <td>0.01 µS; 0.1 µS ; 1 µS ; 0.01 mS ; 0.1 mS *</td> </tr> <tr> <td>Accuracy</td> <td>±1% Full scale</td> </tr> <tr> <td>TDS Range</td> <td>0.01 to 100 ppt @ 0.5 TDS factor (to 200 ppt</td> </tr> <tr> <td>Resolution</td> <td>0.01 ppm; 0.1 ppm ; 1 ppm ; 0.01 ppt ; 0.1 ppt</td> </tr> <tr> <td>Accuracy</td> <td>± 1% Full scale + 1 digit</td> </tr> <tr> <td>Calibration Points (Cond. / TDS)</td> <td>5 points</td> </tr> <tr> <td>Temperature Range</td> <td>0.0 to 100.0^oC / 32.0 to 212.0^oF</td> </tr> <tr> <td>Resolution/Accuracy</td> <td>0.1^o C / 0.1^oF ; ± 0.5^oC /± 0.9^oF</td> </tr> <tr> <td>Built-in Electrode Arm</td> <td>Yes</td> </tr> <tr> <td>Temperature Coefficient</td> <td>0.00 to 10.00 %</td> </tr> <tr> <td>Temperature Normalization</td> <td>15 to 30^oC/ 59.0 to 86.0^oF</td> </tr> <tr> <td>Memory</td> <td>100 Data sets</td> </tr> <tr> <td>Electrode</td> <td>Included, ultem body ,cell constant 1.0, 1 m</td> </tr> </table>	Conductivity Range	0.01 to 200.0 mS/cm	Resolution	0.01 µS; 0.1 µS ; 1 µS ; 0.01 mS ; 0.1 mS *	Accuracy	±1% Full scale	TDS Range	0.01 to 100 ppt @ 0.5 TDS factor (to 200 ppt	Resolution	0.01 ppm; 0.1 ppm ; 1 ppm ; 0.01 ppt ; 0.1 ppt	Accuracy	± 1% Full scale + 1 digit	Calibration Points (Cond. / TDS)	5 points	Temperature Range	0.0 to 100.0 ^o C / 32.0 to 212.0 ^o F	Resolution/Accuracy	0.1 ^o C / 0.1 ^o F ; ± 0.5 ^o C /± 0.9 ^o F	Built-in Electrode Arm	Yes	Temperature Coefficient	0.00 to 10.00 %	Temperature Normalization	15 to 30 ^o C/ 59.0 to 86.0 ^o F	Memory	100 Data sets	Electrode	Included, ultem body ,cell constant 1.0, 1 m
Conductivity Range	0.01 to 200.0 mS/cm																													
Resolution	0.01 µS; 0.1 µS ; 1 µS ; 0.01 mS ; 0.1 mS *																													
Accuracy	±1% Full scale																													
TDS Range	0.01 to 100 ppt @ 0.5 TDS factor (to 200 ppt																													
Resolution	0.01 ppm; 0.1 ppm ; 1 ppm ; 0.01 ppt ; 0.1 ppt																													
Accuracy	± 1% Full scale + 1 digit																													
Calibration Points (Cond. / TDS)	5 points																													
Temperature Range	0.0 to 100.0 ^o C / 32.0 to 212.0 ^o F																													
Resolution/Accuracy	0.1 ^o C / 0.1 ^o F ; ± 0.5 ^o C /± 0.9 ^o F																													
Built-in Electrode Arm	Yes																													
Temperature Coefficient	0.00 to 10.00 %																													
Temperature Normalization	15 to 30 ^o C/ 59.0 to 86.0 ^o F																													
Memory	100 Data sets																													
Electrode	Included, ultem body ,cell constant 1.0, 1 m																													

Paulie



तेजपुरविश्वविद्यालय/ TEZPUR UNIVERSITY
(केंद्रीयविश्वविद्यालय/A Central University)
कुलसचिवकाकार्यालय/OFFICE OF THE REGISTRAR
तेजपुर-784028 :: असम/ TEZPUR-784028 :: ASSAM

		Power Requirement	Included, 100 /240VAC SMPS Power Adapter																																						
7	COD COLORIMETER	<table border="1"><tr><td>Description</td><td>Double wavelength, automatic wavelength selection, direct reading colorimeter</td></tr><tr><td>Light Source</td><td>LEDs, interference filters (IF) and photosensor in transparent cell chamber. Wavelength specifications of the IF: 430 nm $\Delta\lambda = 5$ nm, 610 nm $\Delta\lambda = 6$ nm</td></tr><tr><td>Wavelength</td><td>430 nm, 610 nm</td></tr><tr><td>Wavelength Accuracy</td><td>± 1 nm</td></tr><tr><td>Photometric Accuracy</td><td>3 % FS (T = 20 °C - 25 °C)</td></tr><tr><td>Photometric Resolution</td><td>0.01 A</td></tr><tr><td>Power Supply</td><td>4 batteries (AAA)</td></tr><tr><td>Operating Time</td><td>17 hours operating time or 5,000 test measurements in continuous mode when display backlight is off</td></tr><tr><td>Auto-Off</td><td>Automatic switch-off, 10 minutes after last key press</td></tr><tr><td>Display</td><td>Backlit LCD (on keypress)</td></tr><tr><td>Storage</td><td>Internal ring memory for 16 data sets</td></tr><tr><td>Time</td><td>Real-time clock and date</td></tr><tr><td>Calibration</td><td>User and factory calibration Reset to factory calibration possible</td></tr><tr><td>Dimensions</td><td>155 x 75 x 35 mm (L x W x H)</td></tr><tr><td>Weight</td><td>Basic unit approx. 260 g (incl. batteries)</td></tr><tr><td>Environmental Conditions</td><td>Temperature: 5 - 40 °C Relative humidity: 30 - 90 % (non-condensing)</td></tr><tr><td>Certification</td><td>CE</td></tr><tr><td>Testing Reagents</td><td>Digestion vial tubes</td></tr><tr><td>Waterproof</td><td>IP67</td></tr></table>	Description	Double wavelength, automatic wavelength selection, direct reading colorimeter	Light Source	LEDs, interference filters (IF) and photosensor in transparent cell chamber. Wavelength specifications of the IF: 430 nm $\Delta\lambda = 5$ nm, 610 nm $\Delta\lambda = 6$ nm	Wavelength	430 nm, 610 nm	Wavelength Accuracy	± 1 nm	Photometric Accuracy	3 % FS (T = 20 °C - 25 °C)	Photometric Resolution	0.01 A	Power Supply	4 batteries (AAA)	Operating Time	17 hours operating time or 5,000 test measurements in continuous mode when display backlight is off	Auto-Off	Automatic switch-off, 10 minutes after last key press	Display	Backlit LCD (on keypress)	Storage	Internal ring memory for 16 data sets	Time	Real-time clock and date	Calibration	User and factory calibration Reset to factory calibration possible	Dimensions	155 x 75 x 35 mm (L x W x H)	Weight	Basic unit approx. 260 g (incl. batteries)	Environmental Conditions	Temperature: 5 - 40 °C Relative humidity: 30 - 90 % (non-condensing)	Certification	CE	Testing Reagents	Digestion vial tubes	Waterproof	IP67	
Description	Double wavelength, automatic wavelength selection, direct reading colorimeter																																								
Light Source	LEDs, interference filters (IF) and photosensor in transparent cell chamber. Wavelength specifications of the IF: 430 nm $\Delta\lambda = 5$ nm, 610 nm $\Delta\lambda = 6$ nm																																								
Wavelength	430 nm, 610 nm																																								
Wavelength Accuracy	± 1 nm																																								
Photometric Accuracy	3 % FS (T = 20 °C - 25 °C)																																								
Photometric Resolution	0.01 A																																								
Power Supply	4 batteries (AAA)																																								
Operating Time	17 hours operating time or 5,000 test measurements in continuous mode when display backlight is off																																								
Auto-Off	Automatic switch-off, 10 minutes after last key press																																								
Display	Backlit LCD (on keypress)																																								
Storage	Internal ring memory for 16 data sets																																								
Time	Real-time clock and date																																								
Calibration	User and factory calibration Reset to factory calibration possible																																								
Dimensions	155 x 75 x 35 mm (L x W x H)																																								
Weight	Basic unit approx. 260 g (incl. batteries)																																								
Environmental Conditions	Temperature: 5 - 40 °C Relative humidity: 30 - 90 % (non-condensing)																																								
Certification	CE																																								
Testing Reagents	Digestion vial tubes																																								
Waterproof	IP67																																								
8	Digital Gas Flow Meter	Flow range: 200 mL/min to 2000 mL/min with least count of 1 mL/min																																							
9	Thermo reactor COD Analysis –	<p>25 position thermo reactors for Chemical Oxygen Demand (COD) with settable temperature (70, 100, 120, 150, 160 °C) and operating time (30, 60, 120 minutes or continuous).</p> <p>Accurate Control</p> <ul style="list-style-type: none">⇒ 5 preset temperatures - 70, 100, 120, 150 and 160 °C⇒ 4 analysis times - 30, 60, 120 minutes or continuous⇒ LED indicator of operation <p>Choice of Size</p> <ul style="list-style-type: none">⇒ can process 25 samples in \varnothing 16 mm test tubes simultaneously <p>Economical Operation</p> <ul style="list-style-type: none">⇒ COD analysis in only 30 minutes at 160 °C⇒ 16 mm diameter tubes minimize reagent consumption <p>Safety Assured</p>																																							

Handwritten signature



		<p>⇒ Automatic shut-down at run end</p> <p>⇒ Acoustic signals, e.g., at shut-down</p> <p>⇒ Antisplash cover protects the user</p> <p>⇒ For ECO 25, test tube extractor removes all tubes without user contact Rapid ID through alphanumeric labeling</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">GENERAL FEATURES</td> </tr> <tr> <td>Construction material</td> <td>Epoxy painted metal structure</td> </tr> <tr> <td>Models</td> <td>25 pos. (Ø16 mm)</td> </tr> <tr> <td>Set temperature</td> <td>display visualization</td> </tr> <tr> <td>Countdown</td> <td>display visualization</td> </tr> <tr> <td>End of the cycle</td> <td>acoustic signal with automatic switch-off</td> </tr> <tr> <td>Power</td> <td>400 W</td> </tr> <tr> <td>Weight</td> <td>3.8 Kg (8.4 lb)</td> </tr> <tr> <td>Dimensions (WxHxD)</td> <td>155x95x275 mm (6.1x3.7x10.8 in)</td> </tr> <tr> <td colspan="2">PERFORMANCE</td> </tr> <tr> <td>Selectable working temperatures</td> <td>70, 100, 120, 150 and 160</td> </tr> <tr> <td>Selectable working times</td> <td>30, 60, 120 or continuous</td> </tr> <tr> <td colspan="2">HEATING BLOCK TECHNICAL DATA</td> </tr> <tr> <td>Temperature stability</td> <td>± 0.5 °C</td> </tr> <tr> <td>Temperature homogeneity</td> <td>± 0.5 °C</td> </tr> <tr> <td>Temperature precision</td> <td>± 1 °C</td> </tr> <tr> <td>Over temperature safety</td> <td></td> </tr> <tr> <td colspan="2">SIGNALS</td> </tr> <tr> <td>Reaching of set temperature</td> <td>acoustic and visual signal</td> </tr> <tr> <td>Countdown</td> <td>visual signal</td> </tr> <tr> <td>End of cycle</td> <td>acoustic and visual signal</td> </tr> <tr> <td>Probe interruption</td> <td>acoustic and visual signal</td> </tr> <tr> <td>Broken probe</td> <td>acoustic and visual signal</td> </tr> <tr> <td>Exceed temperature range</td> <td>acoustic and visual signal</td> </tr> </table>	GENERAL FEATURES		Construction material	Epoxy painted metal structure	Models	25 pos. (Ø16 mm)	Set temperature	display visualization	Countdown	display visualization	End of the cycle	acoustic signal with automatic switch-off	Power	400 W	Weight	3.8 Kg (8.4 lb)	Dimensions (WxHxD)	155x95x275 mm (6.1x3.7x10.8 in)	PERFORMANCE		Selectable working temperatures	70, 100, 120, 150 and 160	Selectable working times	30, 60, 120 or continuous	HEATING BLOCK TECHNICAL DATA		Temperature stability	± 0.5 °C	Temperature homogeneity	± 0.5 °C	Temperature precision	± 1 °C	Over temperature safety		SIGNALS		Reaching of set temperature	acoustic and visual signal	Countdown	visual signal	End of cycle	acoustic and visual signal	Probe interruption	acoustic and visual signal	Broken probe	acoustic and visual signal	Exceed temperature range	acoustic and visual signal
GENERAL FEATURES																																																		
Construction material	Epoxy painted metal structure																																																	
Models	25 pos. (Ø16 mm)																																																	
Set temperature	display visualization																																																	
Countdown	display visualization																																																	
End of the cycle	acoustic signal with automatic switch-off																																																	
Power	400 W																																																	
Weight	3.8 Kg (8.4 lb)																																																	
Dimensions (WxHxD)	155x95x275 mm (6.1x3.7x10.8 in)																																																	
PERFORMANCE																																																		
Selectable working temperatures	70, 100, 120, 150 and 160																																																	
Selectable working times	30, 60, 120 or continuous																																																	
HEATING BLOCK TECHNICAL DATA																																																		
Temperature stability	± 0.5 °C																																																	
Temperature homogeneity	± 0.5 °C																																																	
Temperature precision	± 1 °C																																																	
Over temperature safety																																																		
SIGNALS																																																		
Reaching of set temperature	acoustic and visual signal																																																	
Countdown	visual signal																																																	
End of cycle	acoustic and visual signal																																																	
Probe interruption	acoustic and visual signal																																																	
Broken probe	acoustic and visual signal																																																	
Exceed temperature range	acoustic and visual signal																																																	
10	<p>Compact Bench Top Cooling Micro Centrifuge</p>	<ul style="list-style-type: none"> Max. Speed : 16000 RPM Max. RCF (g): 16600 Max. Tube Size: 5ml Max. Capacity: 40ml Min. Temperature : -8°C Noise: ≤ 60 dB Dimension WxDxH : 480x585x530mm Stable speed output High Speed Precise temperature control up to -8°C Pre Cooling Features Fast Spin features Calibration window on lid for speed (rpm) Brushless Induction motor with variable frequency drive ensures gentle start Microprocessor based unit with alpha numeric LCD display Self- diagnosis of errors Parameters setting through easy to use bi-directional encoder Inverter fault detection with Auto shutdown CFC free refrigeration system 24 programme memory 3 Acceleration, 4 Deceleration profiles Choice of rpm / rcf setting & display 																																																

Chaitanya



तेजपुरविश्वविद्यालय/ TEZPUR UNIVERSITY
(केंद्रीयविश्वविद्यालय/A Central University)
कुलसचिवकाकार्यालय/OFFICE OF THE REGISTRAR
तेजपुर-784028 :: असम/ TEZPUR-784028 :: ASSAM

	<ul style="list-style-type: none">• Operating panel with feather touch keys• Digital countdown timer 0-99 minutes & continuous run• Last set parameters recall (useful for repetitive analysis)• Safety lid interlock to prevent lid opening during centrifugation• Imbalance detection & centrifugation stop with display of error• Motor overload protection• Gas hinge to prevent falling of door• Emergency lid lock release <p>Angle Rotors:</p> <ul style="list-style-type: none">• Capacity: 10x2ml,• Type of Container : Glass Tubes• Max. RPM: 16000• Max. RCF : 16600• Capacity: 24x1.5ml• Type of Container: Polypropylene Tubes• Max. RPM: 11850• Max. RCF : 12715 <p>Voltage Stabilizer</p>
--	--

Pauli



तेजपुरविश्वविद्यालय/ TEZPUR UNIVERSITY
(केंद्रीयविश्वविद्यालय/A Central University)
कुलसचिवकाकार्यालय/OFFICE OF THE REGISTRAR
तेजपुर-784028 :: असम/ TEZPUR-784028 :: ASSAM

Annexure-I

(To be submitted on Company's/Firm's Letterhead signed and sealed)

Bid-Security Declaration Form

Date: _____

Bid No. _____

To (insert complete name and address of the purchaser)

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Security Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of three year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

(a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or

(b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown) in the capacity of (insert legal capacity of person signing the Bid Securing Declaration).

Name: (insert complete name of person signing he Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of: (insert complete name of Bidder) Dated

on _____ day of _____ (insert date of signing)

Corporate Seal (where appropriate)

(Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid).