



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/ 504 Date 19-05-2023

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. **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.
3. **Quotations should be accompanied by** i) An **EMD** (in the form of Demand Draft/Banker Cheque) for **Rs. 20,000/-** (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**

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for TU/GEM/BOQ-BID/(133)/2022-23/.....504..... DT-19-05-2023 addressed to the Assistant Registrar-GA, Tezpur University. Failure to do so may result in rejection of the bid.

4. 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.
5. **Validity of Quotation:** Quoted rates must be valid for at least **180 days** from the last date of submission of quotation.
6. Applicable levies, surcharge and discounts should be clearly indicated item wise.
7. The rates should be quoted along with supporting documents of specifications and technical features and list of users, wherever applicable.
8. **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 easy reference.
9. **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.
10. **Dealership Certificate:** Dealers or Agents quoting on behalf of Manufacturer must upload valid dealership certificate.
11. **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.
12. **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.
13. **Payment:** 100% payment after successful delivery, installation and commissioning (if required in the scope of supply) and acceptance by the user.
14. **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.
15. **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.**
16. The University is exempted from paying Custom and Excise duty.
17. Warranty/Guarantee applicable if any, period should be specifically mentioned in the quotation.
18. Irresponsive/incomplete quote will be rejected.
19. **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.
20. **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

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(Tezpur University) can make any enquiry/seek clarification from the bidders. In such a 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.

21. **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

22. 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



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

Item: Lab Equipment

Particulars	Description
Bacteriological Incubator	<p>Make: Optics Technology/ Bio World SIZE INSIDE CHAMBER: 450 x 450 x 450 mm (18" X 18" X 18") Capacity: 95 Ltrs No of Trays: 2 Incubator are designed fabricated & tested to suit various applications in growing field of Medical Agricultural, Research Laboratories of Hospitals. Suitable to work on 220/230V AC supply. CONSTRUCTION: - Double walled construction with inside Stainless-Steel Chamber having 60-70mm glass wool insulation. Door is fitted with heavy chrome plated hinges & spring & roller type latch catch. Provided with adjustable steel wiremesh tray for better air circulation. Inner S.S. & Outer M.S. Duly Powder Coated TEMPERATURE RANGE: Ambient to 70°C ± 2° C . Temperature controlled by Hydraulic Type Capillary Thermostat and temperature reading will be on of "L" shape thermometer fitted at the front of the cabinet HEATING: Heating elements are made from high grade (Kanthal ISI) Resistance wire. Heaters are fitted/wound along all sides & bottom. Complete with 2 pilot lamp cord & plug pin etc.</p>
ORBITAL SHAKER (Heating & Cooling System)	<p>Make: Optics Technology/ BioWorld Inner S.S. & Outer M.S. Duly Powder Coated Full view inner glass door permits inspection of specimens, without disturbing the same. Lock and key arrangement is provided Unit is fitted with door operated illumination lamp inside the chamber. Refrigeration unit is formed by hermetically sealed compressor and the cooling coil are distributed all round the chamber and lie in the air circulation path. The inner chamber is properly insulated with special PUF to prevent thermal losses. Air Circulating fan for Uniform Temperature. Fitted with variable speed and Digital temperature Controller Temp range (+5 to 50°C). Specially designed to hold : To Hold 12 flasks of 250 ml OR Mix (Size of platform 600 x 600 mm)</p>
Compressor	-

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<p>LAMINAR AIR FLOW (HORIZONTAL):</p>	<p>Make: Optics Technology/ Yoroco AVAILABLE MODELS / SIZES: 3' x 2' x 2' Material of Construction (Outer Body): STAINLESS STEEL (304)</p> <ul style="list-style-type: none">• WORKING TABLE OF S.S. 304.• HEPA of 0.3m of an efficiency of 99.97% down to 0.3m Media Is of glass fiber & made of pleats back & frow in a anodized Aluminum frame.• Pre filter (10m) of dry fiber Washable type with the frame on all the sides.• Confirm International Standard 209 E.• Statically Balanced motor blower Assembly (Heavy Duty)• Velocity at the output of HEPA is 90 + 20 FPM• Ultra-quiet noise level of not more than 65 dBA• Vibration is also very low.• Work area properly illuminated by diffused glare free fluorescent light.• Static Pressure Manometer• U. V. Light 1 x 30/15 watts.• Front & Side Door of Acrylic Sheet (Transparent)• Cock for gases or vacuum line.
<p>Bench pH/mV/TEMP METER</p>	<p>Model ECPH70042S Make: Preferable Eutech Up to 5-point calibration with auto buffer recognition Large, easy-to-read display Ready indicator let you know when readings are stable Integral electrode holder Non-volatile memory holds up to 100 data points 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 0 C (32.0 to 212.0 0 F) Resolution/Accuracy: 0.1 0 C(0.1 0 F)/±0.3 0 C / ±0.5 0 F (0 to 70 0 C) ATC: Yes (0 to 100° 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 Built-in Electrode Arm: Yes Memory: 100 Data sets Electrode: Included ECFC7252101B,single junction pH electrode. ORP electrode to be ordered separately Temp.Probe: Included</p>
<p>BENCH CONDUCTIVITY/TDS/TEMP. METER</p>	<p>Model: ECPH70042S Make: Preferable Eutech Large screen that displays Conductivity or TDS readings with Temperature in °C or °F</p>

Phablo



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	<p>Ready indicator let you know when readings are stable Selectable cell constant Auto-ranging across 5 Conductivity and TDS ranges Up to 5-point push button calibration Non-volatile memory holds up to 100 data points Integral electrode holder 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: $\pm 1\%$ Full scale TDS Range: 0.01 to 100 ppt @ 0.5 TDS factor (to 200 ppt @ 1.0 TDS factor) Resolution: 0.01 ppm; 0.1 ppm ; 1 ppm ; 0.01 ppt ; 0.1 ppt # Accuracy: $\pm 1\%$ Full scale + 1 digit Calibration Points: 5 points Temperature Range: 0.0 to 100.0 $^{\circ}$ C / 32.0 to 212.0 $^{\circ}$ F Resolution/Accuracy: 0.1 $^{\circ}$ C / 0.1 $^{\circ}$ F ; ± 0.5 $^{\circ}$ C / ± 0.9 $^{\circ}$ F Built-in Electrode Arm: Yes Temperature Coefficient: 0.00 to 10.00 % Temperature Normalization: 15 to 30 $^{\circ}$ C/ 59.0 to 86.0 $^{\circ}$ F Memory: 100 Data sets Electrode: Included, ultem body ECCONSEN9501D, cell constant 1.0, 1 m cable</p>
COD COLORIMETER:	<p>MAKE: Preferable THERMO FISHER SCIENTIFIC 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 $^{\circ}$ C - 25 $^{\circ}$ 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 $^{\circ}$ C Relative humidity: 30 - 90 % (non-condensing)</p>
DIGITAL GAS FLOW METER	<p>Model: DFM -03 MAKE: Preferable PCI Flow Range: 200ml/min. to 2000ml/min with least count of 1ml/min</p>

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<p>Thermo reactor for COD Analysis</p>	<p>Make: Thermo SET TEMPERATURE:: display visualization END OF THE CYCLE: acoustic signal with automatic switch-off WEIGHT: 3.8 Kg (8.4 lb) SELECTABLE WORKING TEMPERATURES:: 70, 100, 120, 150 and 160 TEMPERATURE STABILITY: ± 0.5 °C TEMPERATURE PRECISION: ± 1 °C COUNTDOWN: visual signal PROBE INTERRUPTION: acoustic and visual signal EXCEED TEMPERATURE RANGE: acoustic and visual signal MODELS: 25 pos. ($\varnothing 16$ mm) COUNTDOWN: display visualization POWER: 400 W SELECTABLE WORKING TIMES: 30, 60, 120 or continuous TEMPERATURE HOMOGENEITY: ± 0.5 °C</p>
<p>Compact Bench Top Cooling Micro Centrifuge</p>	<p>Make: Preferable Remi/Eppendorf Max. Speed (rpm): 16000 Max. RCF (g): 16600 Max. Tube Size (ml): 5 Max. Capacity (ml): 40 Min. Temperature (°C): -8 #Noise: ≤ 60 dB Dimensions WxDxH (mm): 480 x 585 x 530 Voltage Stabilizers: VS-02 Swing Out Rotors Model: R-81 M Capacity: 16 X 15 ml Glass Tubes Max RPM: 4500 MAX RCF: 3485 Angle Rotors Model: R-89 M Capacity: 24 x 15ml Polypropylene tubes Max RPM: 6000 MAX RCF: 5070</p>

Photo



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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).