



तेजपुर विश्वविद्यालय / TEZPUR UNIVERSITY

(संसद के अधिनियम द्वारा स्थापित केंद्रीय विश्वविद्यालय)

(A Central University established by an Act of Parliament)

कुल सचिव का कार्यालय/ OFFICE OF THE REGISTRAR

नपाम :: तेजपुर - 784028 :: असम

NAPAAM :: TEZPUR - 784028 :: ASSAM

SHORT QUOTATION NOTICE

TU/11-24/Pur/Qtn/2015/71 dated:- 11.04.2016.

Sealed quotations are invited from reputed manufacturers/authorized dealers/vendors for supply, installation & commissioning of following equipment required for the DST-SERB Project of Dr. A.M.Ramteke, Department of Molecular Biology & Biotechnology, Tezpur University.

Item with Specifications

1. CO₂ Incubator

- Suitable for animal cell culture
- Internal volume 140 – 180 liters
- Air jacketed and direct heating
- Temperature range: ambient to 45°C
- Precise CO₂ level control ranging from 0-20%
- High temperature disinfection by either dry air or moist heat.
- LCD display and controls for setting CO₂ level and temperature
- Incubator should be supplied with two CO₂ cylinders and a stainless steel regulator
- Alarm for low water level, high/low CO₂, high/low temperature preferable
- System should be with HEPA filter and additional decontamination system, if any
- A suitable UPS with minimum 30 min backup and Air conditioner (1.5 ton) should be included in the offer

2. Inverted Microscope

- Suitable for cell imaging and cell culture applications
- Optical system: Infinity corrected
- Contrast methods: transmitted light, bright field and phase contrast, auto intensity for switching between Bright field and Phase contrast
- LED illumination with ON/OFF switch, manual adjustment of brightness, aperture and automatic power shutoff
- Focusing eyepieces 10X
- Focus: coarse and fine focusing
- Objective nose piece: manual for 4 positions with objectives 4X, 10X, 20X and 40X
- Suitable condenser designed for bright field, phase contrast and integrated modulation contrast; exchangeable condenser structure, condenser holder stepless adjustable, including collector, aperture diaphragm and filter holder with filters
- Camera: 5 megapixel, HDMI port to connect directly to HDMI monitor and SD card slot for storage of images and movies.
- Software for basic image analysis and annotation with branded computer (All-in-one type with monitor minimum 21 inches, windows 10 Home 64 bit OS, processor i5/i7, 8GB RAM, Hard drive 1 TB and other basic features including graphics) to be included with the instrument
- A suitable UPS with minimum 30 min backup should be included in the offer

3. Gas blowing evaporator

- Suitable for organic solvents
- Temperature control range RT to 200°C with an increment of 0.1-0.2°C
- LED/LCD display for setting and monitoring the temperature
- Safety features such as alarm functions (min./max. temperature, power failure, temperature control disorder etc) preferable
- Aluminum block with 24 holes for 15mm and 16.5mm tubes



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- f) Manifold of suitable dimension for 24 needles compatible with the block
 - g) Blowing nozzle with suitable filter for filtering the gas
 - h) Instrument should be supplied with two Nitrogen cylinder and stainless steel regulator
 - i) Additional heating unit should be provided with block compatible with 15mm and 16.5mm tubes and the temperature control range from RT to 100 -120°C
 - j) Instrument should include Fume hood with minimum dimension (L mm X D mm X H mm): (1200 mm :1050 mm : 2350 mm); Upper unit Epoxy polyester powder coated with internal lining suitable for acidic fumes; 3 point suction system for light, normal & heavy gases/fumes for smooth exhaust of fumes; Sash-vertical sliding of toughened glass; Power points inside the hood; side ports for connecting gas tubing etc; suitable fume hood stand with cabinet for storing organic solvents; good centrifugal blower of suitable capacity with ducting system for removing the fumes or gases from hood.
 - k) Instrument should also include shaking water bath (minimum 20 liters, Temp. range RT to 80°C and speed 25 – 100 rpm or above)
 - l) A suitable UPS with minimum 30 min backup should be included in the offer

4. Laminar Air Flow Hood

- a) Biosafety Class II type, vertical flow cabinet
- b) Minimum internal dimension (HXWXD): 25 in X 38 in X 18 in
- c) HEPA or alternate filter for filtering air into the cabinet
- d) White lamp for illumination for working
- e) UV lamp for sterilization of the cabinet
- f) Automatic UV shut off when sliding sash is lifted
- g) Additional safety alarms for unsafe sliding door position is required
- h) Side ports for connecting tubing for gas, vacuum etc. is preferable
- i) Power points inside the cabinet is preferable
- j) Suitable UPS with minimum 30 min back up and static water bath (minimum 20 liters, Temp. range RT to 80°C) from branded company should be included in the offer.

5. UV-Vis spectrophotometer

- a) A compact system for measurement of DNA, RNA and protein
- b) Should have options of using very small amount (1-2 μ l direct) and larger amount (in cuvette) of the sample for accurate measurement
- c) Wavelength span: 200 – 1000nm
- d) Should have functions of spectral scanning, end point assays and kinetic assays
- e) All accessories such as cuvettes/others should be quoted along with the instrument
- f) A LED/LCD screen for setting program and viewing results is preferable
- l) Branded computer (All-in-one type with monitor minimum 21inches, windows 10 Home 64 bit OS, processor i5/i7, 8GB RAM, Hard drive 1 TB and other basic features including graphics) to be included with the instrument
- k) Suitable UPS with minimum 30 min back up and Air conditioner (2.0 ton) should be included in the offer.

6. Refrigerated Centrifuge

- a) Table top centrifuge should have cooling facility with temperature range 0°C to 40°C
- b) Should be supplied with fixed angle rotors for 1.5/2.0 ml, 15ml and 50ml centrifuge tubes
- c) For 1.5/2.0 ml tube rotors maximum speed above 17000 rpm and RCF above 20000g
- d) For 15 ml and 50 ml tubes, speed should not be less than 9000 rpm and RCF not less than 10000g
- e) There should be imbalance detection system
- f) Timer should have minimum 30 sec to 120 minutes or above, with continuous mode
- g) Centrifuge should have built-in condensation drain to eliminate water accumulation and prevent corrosion



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- h) Instrument should be supplied with Orbital shaker (shaking speed: 50-300 rpm with timer and Temperature: ambient controlled by microprocessor)
- i) Suitable UPS with minimum 30 min back up should be included in the offer

Note:- Common for all equipments

Please specify the time period of warranty and AMC. Quotation price should include delivery of the instrument upto Tezpur University, Napaam, Assam-784028, India

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 ₹. 5,000/- (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 have to be paid only by Demand Draft drawn in favour of Registrar, Tezpur University payable at Tezpur.
4. The rates should be exclusive of taxes and applicable tax % should be clearly indicated.
5. Quoted rates should be valid at least for a period of 01 year.
6. The rates should be quoted along with supporting documents of specifications and technical features and list of users.
7. The system must be installed at the laboratory, and after installation a basic training must also be provided by the supplier or their Indian counterpart without any additional costs.
8. All the quotations must be accompanied with supporting documents and / or literature.
9. Demonstration may be sought from the vendors for authentication of quoted specification.
10. Details of availability of after sales support will have to be furnished. After sales support directly from manufacturer and from Assam (Guwahati / Tezpur) will be preferred.
11. The University is exempted from paying Custom and Excise duty.
12. Proprietary items should be quoted with sole Manufacturer/Distributorship certificate.
13. Warranty/Guarantee period should be specifically mentioned in the quotation.
14. No Advance payment will be made. However, for foreign supplier, advance payment will be made either by FDD/Wire Transfer/LC. In such cases 10% Performance Bank Guarantee should be submitted before issuing FDD/Wire Transfer/LC, covering the warranty period.
15. Performance Bank Guarantee also has to be submitted for Major equipments of Indian origin, covering the warranty period.
16. Items of Foreign origin should have Insurance up to installation on site.
17. The University reserves the right to accept or reject any or all the quotations without assigning any reason.
18. Quoted price should be inclusive of essential accessories and should be CIF Tezpur University, Tezpur
19. Applications for release of EMD should be submitted to the Registrar/ Deputy Registrar.
20. Apart from the above terms and conditions the University has the right to include any other terms and conditions as and when felt necessary.
21. **Quotation should be submitted in the DROP BOX placed in the reception of the Administrative Building of the University within 21 days from the issue of the notice.If posted/courierred, should reach within 21 days from the issue of this notice addressed to "The Deputy Registrar (GA), Tezpur University". The Quotation Notice No. and date should be clearly superscribed in the the envelope/packet containing the quotation.**

Sd/-Deputy Registrar (GA)
Tezpur University