



तेजपुर विश्वविद्यालय / TEZPUR UNIVERSITY

(केंद्रीय विश्वविद्यालय / A Central University)

- कुलाध्यक्ष का सर्वोत्तम विश्वविद्यालय पुरस्कार, 2016 और एनआईआरएफ भारत रैंकिंग 2016: नं. 05
- Visitor's Best University Award, 2016 and NIRF India Ranking 2016: No. 05

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तेजपुर-784028 :: असम / TEZPUR-784028 :: ASSAM

SHORT QUOTATION NOTICE

TU/11-24/Pur/Qtn/2017-18/138-A dated:-12-04-2017.

Sealed quotations are invited from reputed manufacturers/authorized dealers/vendors for supply, installation & commissioning etc. of following items required for the Research Project of Dr. S. Baruah, Department of Molecular Biology & Biotechnology, Tezpur University.

Item with Specifications:

1. THERMAL CYCLER:

- Gradient Thermal Cycler with Peltier heating and cooling based system
- Should have 96 well blocks with at least dual block facility.
- The dual block should also have gradient capability which can be independently controlled for both the blocks.
- High block ramp rate (4°C/sec-6°C/sec) is preferable.
- Should be compatible with 0.2 ml and 0.5 ml PCR tubes.
- Temperature range of the block should be between 0-100° C.
- Temperature control should be present.
- Should have protective seal to protect thermal electric modules and to prevent condensation.
- Should have a temperature accuracy of at least $\pm 0.2^\circ\text{C}$
- Should have temperature uniformity of minimum $\pm 0.4^\circ\text{C}$ between well to well within 10 seconds of arrival at 90°C and should have at least 6 thermoelectric modules.
- Should be compatible with 230V power supply (Indian standard).
- Should have true gradient feature in the range of 30-100°C and use dynamic ramping for gradient.
- Should have protocol auto writer for easier programming to run a standard, fast or ultrafast protocol.
- 2 KVA power should be supplied with the system.
- Should have USB port.
- Should be licensed.

2. TRANSILLUMINATOR:

- UV Blocking Cover should be included with the Transilluminator. The cover should be hinged and adjustable to varying heights.
- UVP's long life filters should be available in a variety of filter sizes from 15 x 15cm to 25 x 26cm.
- Control knob should be present for selection of wavelengths or intensity.
- Should be compatible for mini gels of sizes (mm) 40*60, 50*60, 100*50, 125*60.
- Compatible with 230V power supply (Indian standard).
- Operation temperature should be between 0-40° C.
- Should be licensed.

3. SEMI-DRY TRANSFER APPARATUS:

- The unit should electrotransfer proteins from polyacrylamide gels in less than 1 hour
- Should use minimal buffer, only enough to saturate blotting papers and membranes.
- Should give uniform, contamination-free transfers.
- Should be able to transfer at least two polyacrylamide gels in a stack.
- Should use low current and voltage for transfers.



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- Should come with a built-in power supply and should offer an automatic stopping feature whenever the buffer becomes depleted.
- Should be compatible with 230V power supply (Indian standard).
- Should be licensed.

4. **VERTICAL GEL ELECTROPHORESIS UNIT:**

- A vertical electrophoresis system with a capacity of 1-4 gels.
- Should be easy to assemble with a sealing mechanism to prevent assembly errors.
- Should be able to run ready precast gels.
- Should be able to do high resolution vertical Agarose electrophoresis of nucleic acids.
- Conversion screws should be available to convert the standard 25mm well depth to 10mm.
- Should have a central cooling core to avoid distortion of the gels.
- Gel Casting: Hand cast gels Cast using the spacer plates.
- Glass plate size: (W x L) 20 X 16 (± 0.5)cm
- Spacer plate length 18 (± 0.5) cm
- Gel Size (W X L): 16 x 16 cm (Handcast)
- Buffer volumes (Approximately): Upper buffer volume : 170 ml for 2 gels or 350 ml for 4 gels and for Lower buffer volume :550 ml for 2 gels or 1.2 l for 4 gels
- Should be licensed.

5. **POWER SUPPLY:**

- 300W maximum
- Type of output: constant voltage or current with automatic crossover
- Output terminals: 4 recessed sets in parallel
- Timer: 0.999 minutes
- Safety features: No load detection, ground leak detection, sudden load change detection, overload/short circuit detection, auto power up after power failure.

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 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. 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.
8. 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.
9. All the quotations must be accompanied with supporting documents and / or literature.
10. Demonstration may be sought from the vendors for authentication of quoted specification.
11. 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.
12. The University is exempted from paying Custom and Excise duty.



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13. Proprietary items should be quoted with sole Manufacturer/Distributorship certificate.
 14. Warranty/Guarantee period should be specifically mentioned in the quotation.
 15. 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.
 16. Performance Bank Guarantee also has to be submitted for Major equipments of Indian origin, covering the warranty period.
 17. Items of Foreign origin should have Insurance up to installation on site.
 18. The University reserves the right to accept or reject any or all the quotations without assigning any reason.
 19. Quoted price should be inclusive of essential accessories and should be CIF Tezpur University, Tezpur
 20. Applications for release of EMD should be submitted to the Registrar/ Joint Registrar.
 21. Apart from the above terms and conditions the University has the right to include any other terms and conditions as and when felt necessary.
 22. **Quotation should be submitted in the DROP BOX placed in the reception of the Administrative Building of the University latest by 5.30 PM of 2nd of May, 2017. If posted/couriered, should reach by 5.30 PM of 2nd of May, 2017 addressed to "The Joint Registrar , Tezpur University". The Quotation Notice No. and date should be clearly superscribed in the the envelope/packet containing the quotation.**

Sd/- Joint Registrar
Tezpur University