



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/2017-18/4227 dated: 26.12.2017

Sealed quotations are invited from reputed manufacturers/authorized dealers/vendors for supply, installation & commissioning etc. of following items required for the BRNS-DAE sponsored research Project of Dr. Amit Prakash, Department of Environmental Science, Tezpur University.

LIST OF EQUIPMENT(S) WITH SPECIFICATIONS:

Sl. No	Name of the instruments	Specification
1.	LED Fluorimeter	<ul style="list-style-type: none">• Supply, installation and demonstration of LED based Uranium Analyser with windows based software• Analytical technique : Fluorescence property of uranium• Element to be analysed : Uranium in aqueous medium• Radiation source : UV Light Emitting Diode (LED),• Energy of LED per Pulse : 20 μJ or higher• Repetition rate : 1000 pulse per second• Pulse to pulse variation of output energy : less than 1%• Life of source of excitation : Minimum 5 years or more• Detector : Photomultiplier tube• Fluorescence averaged over : 2000 pulses• Analyte volume : less than 10 millilitre• Cuvette : Open top with non-sealing PTFE cover and transmission better than 80%• Minimum detection level : 0.2 \pm 0.1 microgram per litre of uranium concentration• Dynamic range : 0.2 – 500 microgram per litre uranium concentration• Precision : RSD must be less than 5%• Mode of operation : Calibration curve method, Standard addition method and fluorescence counts method• Display : 18 cm full colour LCD display with touch screen operation showing mode of operation, sample ID, uranium concentration in microgram per litre and other relevant information• Memory : Uranium concentration data with sample ID can be stored (Min. 1000 measurement).• Software : Windows based software for data administration and documentation of measuring series. Facility for introduction of sample ID, matrix type and date of analysis. Facility for transferring the data to computer and statistical analysis of data should be available. It should include the provision to draw the calibration curve with best-fit line equation and correlation coefficient. Facility for standard addition method and concentration calculation should be available.• Accessories : Cuvette (4 numbers with each analyser unit), uranium standard, micro pipettes and power supply for the analyser unit• Warranty of the system should be minimum 3 years.



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2.	Radiation Survey Meter	<ul style="list-style-type: none">• Supply and demonstration of handheld, portable and compact digital radiation monitor for gamma and X-rays radiation survey• Detector : Geiger-Muller tube• Radiation to be measured : Gamma and X-rays• Dose-rate range : 10 nSv/h – 100 mSv/h• Energy range : 0.05 - 3 MeV• Accuracy of DER measurement : ±20 %• Alarm type : Audible after reaching the threshold settings• Display : Large LCD display with backlight• Communication with PC : USB• Power requirements : two AA batteries or Rechargeable battery• Operating temperature range : -10 - +50°C• Relative humidity at 35°C : 95%• Weight of the radiation monitor : Not more than 300 gms• Features: Dose rate measurement of gamma and X-ray radiation, Audible alarm, data logging capability, PC communication by USB,• Complete set: Survey meter, batteries, Manual, USB cable and any other required accessories
3.	Multiparameter water quality sensor	<ul style="list-style-type: none">• Portable Water quality sensor (pH, EC, TDS, DO, ORP, Salinity Ammonium, Chl,oride, Nitrate, Turbidity etc.)• Quick Calibration, Waterproof Protection• Auto-sensor Recognition, Long Battery Life
4.	GPS	<ul style="list-style-type: none">• Best reception, 3-Inch sunlight-readable, Waterproof, Simple menu layout, Handheld, Dual battery system

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 must be paid only by Demand Draft drawn in favour of Registrar, Tezpur University payable at Tezpur.*
4. The rates should be exclusive of GST and applicable GST in % 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.



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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.
13. Proprietary items should be quoted with sole Manufacturer/Distributorship certificate.
14. Warranty/Gurantee 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 within 30 days from the date of publication of this notice. If posted/courierred, should reach within 30 days addressed to "The Joint Registrar, Tezpur University". The Quotation Notice No. and date should be clearly superscribed in the envelope/packet containing the quotation.**

Sd/- Joint Registrar
Tezpur University