



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/2017-18/2698-A. dated: 21.09.2017

Sealed quotations are invited from reputed manufacturers/authorized dealers/vendors for supply, installation & commissioning etc. of following items required for the DST-SERB Sponsored Research Project of Dr. Ashwini Kr. Phukan, Department of Chemical Sciences, Tezpur University. Those who have participated in response to our Earlier Notice Nos. TU/11-24/Pur/Qtn/2017-18/1824-A/2157-A/2330-A dated 26.07.2017/16.08.2017/28.08.2017 need not participate again. However, revised offer if any may be submitted and in such cases Tender fee and EMD not be submitted again

**Item with Specification:**

**10 KVATRUE ONLINE UPS: 10 KVA On Line UPS Systems suitable for Single Phase AC Input & Single-Phase AC Output with back up time -120 minutes. With SNMP monitoring & Shutdown facility along with Battery, rack and Inter connecting links.**

Parameter	Required Specifications
Make & Model	To be specified
Configuration	10 KVA On-Line UPS System scalable upto 20 KVA with battery bank for Total 60/120 minutes back-up. UPS should have provision for parallel redundancy with another UPS of same type and rating.
Technology	True double-conversion (Rack/Tower) On-Line UPS with IGBT inverter and rectifier and Microprocessor based controls
Phase	1 phase in/1 phase out
Capacity	10000 VA/9000 W
Isolation Transformer (Optional)	Isolation Transformer of 20 KVARating at input of the UPS (in 1:1 ratio), for providing galvanic isolation between input & output such that load is isolated even in Bypass mode.
Surge Protection Device	UPS should be provided with a 1 Phase, Type 2 surge arrester (40kA) according to EN 61643-11 at the Input Side. It should provide Lightning Protection (according to IEC 1312-1 and EN 62305) through equi-potential bonding and eliminate transient overvoltage, originating during atmospheric discharges or switching processes. (Datasheet of SPD should be provided)
<b>INPUT</b>	
Nominal Voltage	220/230/240 VAC
Voltage Range	110-300 VAC @ 0~60% load; 140-300 VAC @ 60~80 % load; 176-300 VAC @ 80~100 % load
Frequency Range	46 ~54 Hz
Phase	Single phase with ground
Power Factor	$\geq 0.99$ @ 100% Load\
THDi	$\leq 5\%$ @100% load
<b>OUTPUT</b>	
Output Voltage	220/230/240 VAC
AC Voltage Regulation	$\pm 1\%$



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Frequency Range (Synchronized Range)	46~54 Hz @ 50 Hz
Frequency Range (Batt. Mode)	50 Hz $\pm$ 0.1 Hz
Power Factor	Unity
Current Crest Ratio	3:1
Harmonic Distortion	$\leq$ 2% THD (Linear Load), $\leq$ 5% THD (Non-linear Load)
Waveform (Batt. Mode)	Pure Sinewave
Overload	110%: 10 min; 130%: 1 min; >130%: 1 sec
Efficiency (AC-AC)	94%
<b>BATTERY</b>	
Type	VRLA Sealed Maintenance Free, lead-acid batteries
Backup time	<b>The system must be capable of providing total 120 minutes of battery back-up time</b> <b>VAH Required = 28800 VAH for 120 minutes back-up</b> (Total number of batteries, Voltage of each battery, Ampere-Hour rating and Total Volt-Ampere-Hour rating of the Battery Bank Offered should be clearly mentioned.)
<b>INDICATORS</b>	
LCD Panel	UPS status, load level, battery level, input/output voltage, discharge timer, and fault conditions
<b>ENVIRONMENT</b>	
Humidity & Temperature	20-90 % RH @ 0- 40°C (Non-condensing)
Noise Level	Less than 58dB@1Meter
<b>MANAGEMENT</b>	
Smart RS-232/USB	Supports Windows Vista/2008, Windows 7/8/10, Linux and MAC
SNMP	Power management from SNMP manager and web browser. SNMP hardware to be integrated within the UPS
Certification	<ul style="list-style-type: none"><li>• CE Certification (confirming to IEC 62040-1 &amp; IEC 62040-2 Standards)</li><li>• ISO 9001, ISO 14001, OHSAS 18001 certified.</li><li>• RoHS Compliance</li></ul>
Buy- Back	<b>Buy-back cost for old 5 KVAUPS System along with batteries (12V/100 AH) should be offered along with the quotation</b>
Warranty	Minimum one (01) year warranty with next day response should be provided. <b>However, the quote should also include cost of extension of warranty by one and two year respectively and it should be clearly mentioned.</b>

**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 ₹. 1000/- (Rupees One Thousand) only drawn/pledged in favor of Registrar, Tezpur University, payable at*



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*Tezpur. No request for consideration of earlier deposited EMD will be considered. ii) A non-refundable application (quotation) fee of ₹.500.00 (Rupees Five Hundred) 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.
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 must 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