



TENDER NOTIFICATION

The Adichunchanagiri University invites **closed tenders** from eligible tenderers or bonafide licensed manufacturer or their authorised local supplier/dealer/distributor in the state of Karnataka for the procurement of **20 KVA uninterruptible power supply (UPS)** as per section I & II.

1	Name of the work	Supply and Installation of 20 KVA uninterruptible power supply (UPS) System
2	Last date for tender submission	On or Before 21.11.2023 up to 05:00 PM

Sl. No.	Name of the Goods Particulars	Provisional Qty. (In No's)
1.	20KVA uninterruptible power supply (UPS)	02
2.	Batteries – Tubular 100 AH	60

SECTION - I

Instruction to Tenderers

- The Tenderer shall send quotes in 2 bid formats (Technical and Financial bids sealed separately inside the main envelope for any or all list of items) on professional business letter heads. The inner and outer sealed cover must bear the following identification
 - Tender for[name of service | Contract]
 - Tender Reference No.....[insert number]
 - Address to “The Registrar, Adichunchanagiri University, B.G. Nagara -571448, Nagamangala (T), Mandya (D)”
 - The tenderer who prefers to submit the tender through Post can dispatch the same through Registered Post / Speed Post or Courier so as to reach the above address on or before the due date and time specified in the Tender Notice. Tenders received after the due date and time, for what so ever reasons will not be considered and the authority, ACU BG-Nagara will not be liable or responsible for the same.
- Tender Currency:** Prices shall be quoted in Indian Rupees Only
- AMC/CMC (If any)** is subject to the Adichunchanagiri University’s norms.
- Warranty:** Standard as per OEM
- Amendment of Tender Documents:** At any time prior to the deadline for submission of tenders, the University may, for any reason, whether at its own initiative or otherwise, modify the tender documents by amendment. Adichunchanagiri University



reserves all the rights to accept, reject, incorporate changes and re-tender without giving any reasons.

6. **Documents Comprising the Tender:** Shall attach Brochure, Certification of the product, Bank/account details, PAN, GSTIN, Good Standing Certificate and 02 Years of ITR declaration inside the envelope and company contact details with email ID on the main envelope cover for further correspondence.
7. **Tender Prices:** Prices indicated on the Price Schedule shall be entered separately I.e. the price of the goods, quoted (ex-works, ex-factory, ex-showroom, ex-warehouse, or off-the-shelf, as applicable), including all duties and sales and other taxes already paid or payable. Any Indian duties, sales and other taxes which will be payable on the goods if this Contract is awarded. Conditional tenders will not be considered.
8. **Validity of the Bid:** 90 Days from the last date of submission of bid
9. **Corrupt or Fraudulent practices:** The Adichunchanagiri University requires that the Tenderers, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy:
 1. will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
 2. will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a university contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a University contract.
10. **Process to be confidential:** Information relating to the examination, clarification, evaluation, and comparison of Tenders and recommendations for the award of a contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has been announced. Any effort by a Tenderer to influence the Employer's processing of Tenders or award decisions may result in the rejection of his Tender.
11. **Clarification of Tenders:** To assist in the examination, evaluation, and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the tenders.
12. **Delivery:** The successful BIDDER should commence the services as per tender document/Work or Purchase Order. For any queries/ assistance, please write to registrar@acu.edu.in or telephone to purchase section +91 -98458 35834.



13. **Penalty Clause:** Non-execution of supply order - For the reasons of failure to supply partially or completely within the stipulated time or any event of breach of contract. In case at any following stages

1. For the delayed supply (3 days of grace period) - 5% deduction
2. Quantity issues - 5% deduction
3. Quality issues - 10% deduction

SECTION -II

Technical Specification

DESCRIPTION	
CAPACITY	20KVA
TECHNOLOGY	DSP controlled, IGBT based, double conversion
INPUT	
Operating voltage range	330VAC - 470VAC
Operating frequency range	47Hz - 53Hz
Power factor	>0.95, generator compatible.
Convertor / rectifier type	Power Factor Corrected (PFC), Full bridge using IGBT
Convertor topology	Interleaved-Zero current bifilar switching topology; reduces switching noise, enhances reliability and improves efficiency.
OUTPUT	
Inverter type	MPWM using IGBT
Inverter topology	VFI, Power-conditioning topology with Galvanic isolation at the output for comprehensive power protection.
Output PF	0.8 16KW
Output voltage	230VAC, 1Ø- Neutral
Voltage regulation	±1% on balanced and unbalanced load.
Output frequency	50 Hz ± 0.1Hz
Unbalanced Load Phase Shift	120 ± 0.5
Harmonic distortion	Linear Load < 2%, Non Linear Load < 6%
Crest factor	3:1 without derating in power waveform
Transient response	Remains within ±5% & recover to normal within 20 msec
Galvanic isolation	Built-in 1:1 Galvanic isolation at the output of inverter
PROTECTIONS	Overload, shortcircuit, over temperature, battery low.
BYPASS	
Manual bypass	Provided
Static bypass	Optional
Mode of operation	Asynchronous or free running on VFI mode
Rated voltage	230VAC
Rated frequency	47HZ - 53HZ
BATTERY	
Battery voltage	240VDC
Charger type	CVCF
Charging current	0-15A



SYSTEM FEATURES

Transfer time	0ms
Overload capacity	Continuous
100%	1min
125%	5secs
150%	Mains ON, UPS ON, Battery low, UPS Trip
LED display	

LCD DISPLAY

Input voltage
 Output voltage
 Battery voltage
 Output frequency
 Load percentage
 Event Log
 Over temperature warning
 UPS On - load on mains / battery

ALARMS

Input / Low / Fail
 Overload
 Overtemperature
 Battery low
 Optional - SNMP, RS-232, MODBUS

Communication Interface

ENVIRONMENTAL

Operating temperature	0 to 40 Deg C
Storage temperature	-10 to 70 Deg C
Humidity range	Up to 95% RH Non condensing
Altitude	< 3000 Feet above sea level (without derating)
Noise level	<65db @ 1.5 meter
Ingress protection	IP20
Cooling	Forced

PHYSICAL

Dimension	D 780 mm * W 390 mm * L 800 mm
Weight	120Kgs
Cable entry	Front side bottom

**Head of Procurement
 Adichunchanagiri University
 B G Nagara -571448**