



KERALA AGRICULTURAL UNIVERSITY
Kelappaji College of Agrl.Engg & Technology, Tavanur – 679 573

No. B3- 6340/23

Dated: 20-09-23

TENDER NOTICE

Sealed competitive tenders are invited for the supply of **10 KVA 360Volt Online UPS (Without Battery)** for use in this college having the following specifications and subject to the below stated terms and conditions.

Tender No.	:	B3-6340 /23
Last Date & Time for receipt of Tender	:	10/10/2023 2.30 pm
Date & Time for opening of Tender	:	10/10/2023 3.00 pm
Designation and address of Purchasing Authority :	Dean of Faculty(Agrl. Engg), KCAET, Tavanur, Malappuram- 679 573	
Place of supply	:	KCAET, Tavanur ,Malappuram- 679 573.

SI No.	Item with Specification		Quantity	
10 KVA 360 Volt Online UPS (Without Battery) – 3Ph to 1 Ph Online UPS				
	Parameters			
1.	CAPACITY	10KVA	1 No.	
2.	TECHNOLOGY	True Online IGBT based microprocessor controlled double conversion technology		
3.	INPUT			
	Nominal Voltage	415 V 3 Ø & N		
	Operating Voltage	Range 275-476		
	Operating Frequency Range	50.1 Hz		
	Power Factor	> 0.9		
	Rectifier	Diode rectifier		
	Rectifier battery charger	Constant voltage constant current (CVCC)		
4.	OUTPUT			
	Inverter	IGBT based PWM technology		
	Output Voltage	220V/ 230V		
	AC Volt. Reg. (Batt. Mode)	± 1%		
	Frequency Range	50HZ±0.5HZ		
	Crest Factor	3:1		
	Total Harmonic Distortion	<3% (linear load) , <5% (non linear load)		
	Overload	125% for 10min; 150 % for 1min; >150% <200 for 20msec; >200% - Sudden		
	Transfer Time	AC mode to Battery Mode		0 ms
		Inverter to Bypass		4 ms
	Power Factor	0.7, 0.8 (optional)		
	Isolation transformer	Inbuilt at output 230V/230V 1:1		
5.	EFFICIENCY at full load			
	Overall efficiency	>88%		
	Inverter efficiency	>85%		
6.	DISPLAY	AC Voltage (INPUT/OUTPUT) Output load % DC Voltage, O/P FREQ		
7.	INDICATIONS	Mains on,inverteron, batterylow, overload, Trip		
8.	ALARM	ALARM Battery Low, Output Overload & Short Circuit.		

9.	ENVIRONMENT	
	Temperature	5 °C - 55 °C
	Operational Humidity	Up to 85% RH (Non Condensing)
	Noise Level	<60dB AT 1 meter
10.	COMMUNICATION	
	RS 232	To connect to PC through DB9 RS 232 cable for monitoring UPS (optional feature)
11.	SNMP	To remotely monitor UPS using IPV4/IPV6 (optional feature)
12.	PROTECTION	RF Filter At Output MCB at EB Input Snubber Circuit Across All Semiconductors. Glass cartridge Fuse on Control Circuits
13.	CERTIFICATIONS	ISO 9001:2015, ISO 14001:2015, ROHS, OHSAS, CE
14.	TESTING STANDARDS	
15.	EMC	2014/30/EU
16.	Low Voltage	2014/35/EU
17.	Optional features	Spec
	Isolation transformer @input	UPS with IT @input 415/415V
18.	Warranty	Minimum 2 Years

Terms & Conditions:

1. Tender form

- The tender form can be downloaded from the following website link in the internet <http://www.kau.edu/tenders>. The cost of tender form is Rs.472/- (Rs.400/- + 18% GST). The same will be accepted by way of Demand Draft drawn in favour of the Dean , KCAET, Tavanur payable at SBI, Kuttippuram and should be sent separately along with the tender. EMD at 1% of the cost of equipment including GST(subject to minimum of Rs. 1500/-) offered should be remitted by a separate DD drawn as detailed above. A pre bid agreement in stamp paper worth Rs.200/- should be submitted along with the tender.
- The sealed cover containing the tender document should be superscribed as “Tender for the supply of 10 KVA 360 Volt Online UPS (Without Battery)” and addressed to The Dean of Faculty (Agrl. Engg), KCAET, Tavanur, Malappuram (Dt) Pin-679 573.
 - The rate quoted should include GST, transportation and installation charges, and that should be mentioned seperately.
 - The rate quoted should be valid up to three months from the date of opening of tender.
 - The Dean, KCAET, Tavanur has the right to accept or reject any or all of the offers without assigning any reason.
 - The successful bidder should complete the supply and installation of the item within 10 days from the date of receipt of supply order.
 - If any hartal/strike any unexpected holidays occurs on the date of opening of tender, the tender will be opened at the same time on the next working day.
 - The sucessfull bidder should have to execute an agreement in Kerala stamp paper worth Rs.200/- (Rupees Two Hundred Only) and furnish a security deposit amounting to 5% of the order value in the form of DD drawn in favour of Dean, KCAET, Tavanur, Malappuram-

679 573 payable at the State Bank of India, Kuttippiuram (IFSC Code: SBIN0070195), before effecting payment.

9. Supplier should give the details of the nearest service centre and response time.
10. The details of the nearest service centre should be mentioned.
11. The client list may be attached in support of goodwill of the company.
12. All the rules and regulations applicable to Government tender will be applicable to this tender also.
13. Further clarification may be obtained over telephone on working days during 10.30 am to 4.30 pm over phone 0494-2687214.

Special Conditions

- Tender insisting payment in advance either full or part for supply and execution of the work are liable for rejection.
- Leaflets/Brochures containing technical features of the item quoted should be attached with the tender
- Payment will be made after satisfactory supply and installation of the item.
- Operation manual and guaranty cards for the item should be provided during supply.
- Details of warranty offered should be clearly stated in the tender.
- The decision of the undersigned shall be final and binding.

Sd/-

Dr.Jayan.P.R

Dean of Faculty(Agrl. Engg)

To : KAU Website, KCAET Website