

VISVA-BHARATI



Siksha Bhavana
(Institute of Science)
Santiniketan 731 235

INTEGRATED SCIENCE EDUCATION AND RESEARCH CENTRE (ISERC)

29 December 2014

NOTICE FOR PURCHASE AND INSTALLATION OF AIR-CONDITIONER AND UPS

Quotations are invited from vendors having service support center in the region, for Purchase and Installation of the following items at Visva-Bharati by Co-ordinator and In-charge, Integrated Science Education and Research Centre, Siksha Bhavana, Visva-Bharati, Santiniketan.

LAST DATE OF SUBMISSION OF QUOTATIONS: 15.01.2015 (Thursday), TIME- 1:00 PM

Serial No.	Items	Specifications	Number of units
1.	Air-Conditioner (Including all accessories, installation and testing charge) Branded machines from reputed makers like Hitachi/Voltas/Carrier/Blue Star or equivalent Also quote the price of Stabilizers Separately	Capacity: 1.5 Ton Type: Split Star rating: 5 Star Coil should be made of Copper	2
		Capacity: 2.0 Ton Type: Split Star rating: 5 Star Coil should be made of Copper	1
2.	Online Uninterruptible Power Supply/ Source (Online UPS) (Including batteries, battery rack, other accessories and installation charge)	3 KVA constant frequency UPS with back up time of at least 1 hour <i>Details of specifications are given below</i>	1
On-Line UPS , 2400 Watts / 3000 VA, Input 230V / Output 230V with 60 Min Back up			
UPS Type:		Online (to act as power conditioner as well as backup)	
<u>Technical Specification</u>			
Power Rating (VA / Watts)		2400 Watts / 3000 VA	
Back-up time		At least 60 mins	

<u>Output parameter</u>	
Nominal Output Voltage	230V
Output Voltage Note	Configurable for 220 : 230 or 240 nominal output voltage
Output Voltage Distortion	Less than 3%
Output Frequency (sync to mains)	50/60Hz +/- 3 Hz (Must be maintained constant at the said frequency)
Other Output Voltages	220, 240
Topology	Double Conversion Online
Waveform Type	Sine wave
Output Connections	(1) Hard Wire 3-wire (H N + G), (2) IEC 320 C13
Bypass	Bypass Built-in Bypass
<u>Input Parameter</u>	
Nominal Input Voltage	220V, 230V
Input Frequency	40 - 70 Hz
Input Connections	Hard Wire 3 wire (1PH+N+G)
Input voltage range for main operations	160 - 280V
<u>60 Min Battery Back up</u>	
Battery Type	Maintenance - free sealed Lead-Acid battery with suspended electrolyte: Leak proof
Battery Make	Branded high quality batteries
Other requirements:	<ul style="list-style-type: none"> • Battery low audio alarm • As compact as possible. Please state size (Inches WxHxD) • Automatic Self Test • Output OK indicator • Input/Output voltage meters • Load Utilization Indicator • UPS on Mains/Battery frequency • Inverter efficiency Greater than 95% • Led Status Indicators • At least 3 output points
Battery charger	Min 12Amp internal charger
Toll free number	Must have 24x7x365 call log in facility & min 4hrs response time
Warranty	2 yrs replacement warranty or better
Extended warranty	Must have warranty pack available

Address for sending the quotations

: Co-ordinator and In-charge,
Integrated Science Education and Research Centre,
Siksha Bhavana
Visva-Bharati, Santiniketan 731 235