SOPHISTICATED ANALYTICAL INSTRUMENTATION FACILITY
PANJAB UNIVERSITY, CHANDIGARH – 160014

No.....
Dated.....

Sir,

Please quote your lowest rate in DUPLICATE for the following items along with the detailed information. Your Quotation should reach the undersigned by Registered/ Speed post on or before 25-08-2016

Item:- 1. 3KVA Online UPS (Specifications Attached)

The quotation should be typed or written clearly avoiding over-writing.

1 The rates quoted should be F.O.R. Chandigarh.

2 The rates of insurance, excise duty, sales tax should be mentioned clearly. Original receipts for insurance charges are required along with the bill of payment.

3 SPECIAL DISCOUNT for educational institutions/Universities teaching department may be mentioned.

4 The quotation giving our reference number and due date of quotation should be sent in a sealed cover by Registered/ Speed post in **two technical and financial bids separately**) ,otherwise, it will not be possible for us to consider your quotation.

5 No advance payment will be made. Bill/s will be passed for payment by the university office after verification of the material and work done.

Yours sincerely,

Director

Tel.:0172-2534046, 2534047, 2541065 **Fax**: 0172-2541409 **E.Mail**:rsic@pu.ac.in **ebsite**:http://rsic.puchd.ac.in

3 KVA Online UPS for Electron Microscope		
PARAMETER	REQUIRED SPECIFICATION	OFFERED SPECIFICATION
Topology	Online Double Conversion	
Rectifier & Inverter Design	PWM IGBT based	
User Interface	LCD Display for Measurements & Alarms with USB & RS232 Port	
Approvals	CE or UL	
INPUT		
Voltage Range	230 V +/- 20%, Single Phase	
Frequency Range	47 to 53 Hz	
Input Power Factor	Minimum 0.95 at full load	
OUTPUT		
Power Rating	3 KVA/ 2.4 KW	
Output Voltage	220/ 230/ 240 V (User Settable), 1 Phase	
Voltage Regulation	± 3%	
Output Current	Continuous 13 A @ 230 V AC	
Frequency	50 Hz Nominal or Mains Sync	
Waveform	Sine Wave	
Power Factor	Unity to 0.8 lag within specified power ratings	
Load Crest Factor	3:1 without derating	
BATTERY		
Type	Sealed Lead Acid Maintenance Free	
Back-up Time	30 minutes on full load. Battery Rating: minimum 3000 VAh	Number of Batteries : Voltage & Ah of each Battery:
Make	EXIDE/ QUANTA/ ROCKET	
Battery Cabinet	The batteries should be either in-built or External Powder-coated Battery Cabinet.	
ENVIRONMENTAL		
Operating Temperature	0 to 40° C for UPS Electronics	
Relative Humidity	Upto 95% Non-condensing	
Audible Noise	< 45 dBA	
ONSITE WARRANTY		
For UPS & Battery	2 years	