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.
- 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.
 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

PARAMETER ology tifler & Inverter Design PWM IGBT Interface LCD Displa Inverter Design PWM IGBT Interface LCD Displa Inverter Design PWM IGBT Inverter Design PWM Inverter Inverter Design		2 years	For IIDS & Battery
REQUIRED SPECIFICATION Online Double Conversion Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL 230 V +/- 20%, Single Phase 47 to 53 Hz 47 to 53 Hz 47 to 53 Hz AND IT SAME Continuous 13 A @ 230 V AC Sone Wave Unity to 0.8 lag within specified power ratings Unity to 0.8 lag within specified power ratings 3.1 without derating 3.1 without derating Sealed Lead Acid Maintenance Free Unity to 0.8 lag within specified power ratings Unity to 0.8 lag within specified power ratings Unity to 0.8 lag within specified power ratings Voltage & Ah of each B Battery Rating: minimum 3000 VAh EXIDE/ QUANTA/ ROCKET The batteries should be either in-built or EXIDE/ QUANTA/ ROCKET The batteries should be either in-built or External Powder-coated Battery Cabinet. External Powder-coated Battery Cabinet. Lexternal Powder-coated Battery Cabinet. Lexternal Powder-coated Battery Cabinet. Upto 95% Non-condensing			ONSITE WARRANTY
REQUIRED SPECIFICATION Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL 230 V +/- 20%, Single Phase 47 to 53 Hz Minimum 0.95 at full load r Minimum 0.95 at full load 3 KVA/ 2.4 KW 220/ 230/ 240 V (User Settable), 1 Phase 20/ 230/ 230 V AC Continuous 13 A @ 230 V AC Continuous 13 A @ 230 V AC Sine Wave Unity to 0.8 lag within specified power ratings 3:1 without derating Sealed Lead Acid Maintenance Free Unity to 0.8 lag within specified power ratings 30 minutes on full load. Battery Rating: minimum 3000 VAh Batteries should be either in-built or External Powder-coated Battery Cabinet. AL Upto 95% Non-condensing		45	Audible Noise
REQUIRED SPECIFICATION Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL 230 V +/- 20%, Single Phase 47 to 53 Hz 47 to 53 Hz Minimum 0.95 at full load 720/ 230/ 240 V (User Settable), 1 Phase 720/ 230/ 240 V (User Settable), 1 Phase 750 Hz Nominal or Mains Sync 50 Hz Nominal or Mains Sync 50 Hz Nominal or Mains Sync Sine Wave Unity to 0.8 lag within specified power ratings 3:1 without derating 3:1 without derating Sealed Lead Acid Maintenance Free Number of Batteries : 30 minutes on full load. Sealed Lead Acid Maintenance Free Number of Batteries : Battery Rating: minimum 3000 VAh External Powder-coated Battery Cabinet. AL O to 40° C for UPS Electronics			Relative Humidity
REQUIRED SPECIFICATION Online Double Conversion Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL 230 V +/- 20%, Single Phase 47 to 53 Hz 47 to 53 Hz Minimum 0.95 at full load 3 KVA/ 2.4 KW 220/ 230/ 240 V (User Settable), 1 Phase 220/ 230/ 240 V (User Settable), 1 Phase 50 Hz Nominal or Mains Sync Sine Wave Unity to 0.8 lag within specified power ratings 3:1 without derating 3:1 without derating Sealed Lead Acid Maintenance Free Unity to 0.8 lag within specified power ratings 30 minutes on full load. Battery Rating: minimum 3000 VAh EXIDE/ QUANTA/ ROCKET The batteries should be either in-built or External Powder-coated Battery Cabinet.		to 40° C for UPS	Operating Temperature
REQUIRED SPECIFICATION Online Double Conversion Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL 230 V +/- 20%, Single Phase 47 to 53 Hz 47 to 53 Hz Minimum 0.95 at full load 3 KVA/ 2.4 KW 220/ 230/ 240 V (User Settable), 1 Phase 220/ 230/ 240 V (User Settable), 1 Phase 50 Hz Nominal or Mains Sync Sine Wave Unity to 0.8 lag within specified power ratings 3:1 without derating Sealed Lead Acid Maintenance Free Sealed Lead Acid Maintenance Free Sealed Lead Acid Maintenance Free EXIDE/ QUANTA/ ROCKET The batteries should be either in-built or External Powder-coated Battery Cabinet.		5000	ENVIRONMENTAL
REQUIRED SPECIFICATION Online Double Conversion Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL 230 V +/- 20%, Single Phase 47 to 53 Hz Minimum 0.95 at full load 3 KVA/ 2.4 KW 220/ 230/ 240 V (User Settable), 1 Phase 220/ 230/ 240 V (User Settable), 1 Phase 50 Hz Nominal or Mains Sync Sine Wave Unity to 0.8 lag within specified power ratings 3:1 without derating Sealed Lead Acid Maintenance Free Number of Batteries: Voltage & Ah of each Batteries Should be either in-built or		External Powder-coated Battery Cabinet.	Battery Capillet
REQUIRED SPECIFICATION Online Double Conversion Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL 230 V +/- 20%, Single Phase 47 to 53 Hz Minimum 0.95 at full load 3 KVA/ 2.4 KW 220/ 230/ 240 V (User Settable), 1 Phase 220/ 230/ 240 V (User Settable), 1 Phase Unity to 0.8 lag within specified power ratings Unity to 0.8 lag within specified power ratings Sealed Lead Acid Maintenance Free Sealed Lead Acid Maintenance Free Sealed Lead Acid Maintenance Free Sealed Lead Roid Maintenance Free RUDE/ QUANTA/ ROCKET Number of Batteries: Number of Batteries: Number of Batteries:		The hatteries should be either in-built or	Naka Ophis
REQUIRED SPECIFICATION Online Double Conversion Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL 230 V +/- 20%, Single Phase 47 to 53 Hz Minimum 0.95 at full load 3 KVA/ 2.4 KW 220/ 230/ 240 V (User Settable), 1 Phase 220/ 230/ 240 V (User Settable), 1 Phase 50 Hz Nominal or Mains Sync Sine Wave Unity to 0.8 lag within specified power ratings 3.1 without derating Sealed Lead Acid Maintenance Free Sealed Lead Acid Maintenance Free Number of Batteries: 30 minutes on full load. Battery Rating: minimum 3000 VAh Voltage & Ah of each B	*	EXIDE/ QUANTA/ ROCKET	1000
REQUIRED SPECIFICATION Online Double Conversion Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL 230 V +/- 20%, Single Phase 47 to 53 Hz Minimum 0.95 at full load 3 KVA/ 2.4 KW 220/ 230/ 240 V (User Settable), 1 Phase 220/ 230/ 240 V (User Settable), 1 Phase Continuous 13 A @ 230 V AC Continuous 13 A @ 230 V AC Sine Wave Unity to 0.8 lag within specified power ratings Unity to 0.8 lag within specified power ratings Sealed Lead Acid Maintenance Free Number of Batteries:	Voltage & Ah of each Battery:	30 minutes on full load. Battery Rating: minimum 3000 VAh	Back-up Time
REQUIRED SPECIFICATION Online Double Conversion Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL 230 V +/- 20%, Single Phase 47 to 53 Hz 47 to 53 Hz Minimum 0.95 at full load Sine Wave Unity to 0.8 lag within specified power ratings 3:1 without derating 3:1 without derating	Number of Batteries:	10101	Type
REQUIRED SPECIFICATION Online Double Conversion Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL 230 V +/- 20%, Single Phase 47 to 53 Hz Minimum 0.95 at full load Sine Wave Unity to 0.8 lag within specified power ratings 3:1 without derating		A A S A Mointenance	BATTERY
REQUIRED SPECIFICATION Online Double Conversion Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL 230 V +/- 20%, Single Phase 47 to 53 Hz Minimum 0.95 at full load 3 KVA/ 2.4 KW 220/ 230/ 240 V (User Settable), 1 Phase 250 Hz Nominal or Mains Sync Sine Wave Unity to 0.8 lag within specified power ratings		3:1 without deraining	Load Crest Factor
REQUIRED SPECIFICATION Online Double Conversion Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL 230 V +/- 20%, Single Phase 47 to 53 Hz Minimum 0.95 at full load 3 KVA/ 2.4 KW 220/ 230/ 240 V (User Settable), 1 Phase		Unity to 0.8 lag within specified power ramigo	Power Factor
REQUIRED SPECIFICATION Online Double Conversion Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL 230 V +/- 20%, Single Phase 47 to 53 Hz Minimum 0.95 at full load 3 KVA/ 2.4 KW 220/ 230/ 240 V (User Settable), 1 Phase Continuous 13 A @ 230 V AC 50 Hz Nominal or Mains Sync		Sine Wave	Waveform
REQUIRED SPECIFICATION Online Double Conversion Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL 230 V +/- 20%, Single Phase 47 to 53 Hz Minimum 0.95 at full load 3 KVA/ 2.4 KW 220/ 230/ 240 V (User Settable), 1 Phase Continuous 13 A @ 230 V AC Continuous 13 A @ 230 V AC		50 Hz Nominal of Mail's Cyric	Frequency
REQUIRED SPECIFICATION Online Double Conversion Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL 230 V +/- 20%, Single Phase 47 to 53 Hz Minimum 0.95 at full load 3 KVA/ 2.4 KW 220/ 230/ 240 V (User Settable), 1 Phase 230 V 30/ 240 V (User Settable), 1 Phase		Continuous 13 A @ 230 V AC	Output Current
R REQUIRED SPECIFICATION Online Double Conversion Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL 230 V +/- 20%, Single Phase 47 to 53 Hz Minimum 0.95 at full load 3 KVA/ 2.4 KW 220/ 230/ 240 V (User Settable), 1 Phase			Voltage Regulation
R REQUIRED SPECIFICATION Online Double Conversion Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL 230 V +/- 20%, Single Phase 47 to 53 Hz Minimum 0.95 at full load 3 KVA/ 2.4 KW 3 KVA/ 2.4 KW		230/ 240 V (USEI SELIADIC), 1	Output Voltage
R REQUIRED SPECIFICATION OFFERED Online Double Conversion Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL 230 V +/- 20%, Single Phase 47 to 53 Hz Minimum 0.95 at full load		Cilion Sottobiol 1	Power Rating
R REQUIRED SPECIFICATION OFFERED Online Double Conversion Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL 230 V +/- 20%, Single Phase 47 to 53 Hz Minimum 0.95 at full load			OUTPUT
R REQUIRED SPECIFICATION OFFERED Online Double Conversion Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL 230 V +/- 20%, Single Phase 47 to 53 Hz			Input Power Factor
R REQUIRED SPECIFICATION OFFERED Online Double Conversion Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL 230 V +/- 20%, Single Phase		to 53 Hz	Frequency Range
R REQUIRED SPECIFICATION OFFERED Online Double Conversion Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL		Single	Voltage Range
R REQUIRED SPECIFICATION OFFERED Online Double Conversion Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port CE or UL			INPUT
R REQUIRED SPECIFICATION OFFERED Online Double Conversion Design PWM IGBT based LCD Display for Measurements & Alarms with USB & RS232 Port		CE or UL	Approvals
R REQUIRED SPECIFICATION OFFERED Online Double Conversion Design PWM IGBT based Alarms with		המאטו מוומונט א	User Interface
RAMETER REQUIRED SPECIFICATION OFFERED Online Double Conversion		Anna monte &	
REQUIRED SPECIFICATION OFFERED		Online Double Conversion	Topology
OFFERED		REQUIRED SPECIFICATION	PARAMETER
	FFERED		