



भारतीय प्रौद्योगिकी संस्थान कानपुर
INDIAN INSTITUTE OF TECHNOLOGY KANPUR
संगणक केन्द्र
COMPUTER CENTRE

पत्रालय-आई.आई.टी.कानपुर-208016(भारत)
P.O.-I.I.T. KANPUR - 208 016 (India)

CC/IITK/09/
September 26, 2016

Sealed quotations are invited for the following items.

Sr. No.	Item Description	Qty
1	5 KVA ONLINE UPS with two hour battery backup on full load. The detail technical specification of the UPS is given in annexure I. Battery VAH should be minimum 16800 VAH	12
2.	3 KVA ONLINE UPS with two hour battery backup on full load. The detail technical specification of the UPS is given in annexure II. Battery VAH should be minimum 9600 VAH	02
2	1 KVA ONLINE UPS with one hour battery backup on full load. The detail technical specification of the UPS is given in annexure III. Battery VAH should be minimum 1600 VAH	10

After Sales Service:

For providing after sales service for the UPS, the vendor should have proper service support at Kanpur with adequate service persons, spares & standby UPS facility.

Terms & Conditions:

1. All quotations must reach undersigned by 14-10-2016, 5 P.M.
2. Quotation must be valid till 31-12-2016
3. Quotation shall be submitted in two parts.
 - Part-I (Technical) should contain all technical details and specification of the offered UPS along with technical compliance sheet, Battery details (like make, AH, total number, battery weight alongwith catalogue), warranty and applicable tax rate (like VAT etc.). All terms and conditions shall be part of Technical bid.
 - Part-II (Financial) should contain the price of the offered UPS. The price should not be quoted in the technical bid else the bid will be taken as unresponsive.
4. **Warranty: three years on UPS and battery.**
5. The vendor (if not OEM) should have valid authorization for this tender enquiry from the OEM company.
6. Quantity may increase or decrease.
7. Payment terms: 90% on delivery and 10% after satisfactory installation.
8. All batteries should be of same batch and should have been manufactured within last three months of date of supply. Each set of batteries should be charge balanced before supply and commissioning.

(Dr. V.N. Singh) 26/9/2016
Head

Technical Specification of online 5 KVA UPS

Quantity-12

Features	Specification
Capacity	5 KVA Online
Technology	IGBT Based Rectifier
Input Voltage and Frequency	230V \pm 20% AC, Single Phase and 50Hz \pm 10%
Input Power Factor	>0.95
Output Voltage and Frequency	230V \pm 1% AC, Single Phase and 50Hz \pm 0.5%
Output Power Factor	0.90 Lag
Output Waveform	PWM Sine Wave
Isolation	Inbuilt Output Isolation Transformer
Protection	Input and Output Over and Under Voltage, Output Overload, Output Short Circuit, Battery Low Trip etc. If the UPS shuts down after permissible or deep discharge, it should switch on automatically after mains power restoration
Indicator	Main On, Inverter On, Battery Low, Over Load etc
LED Display	Input-Output Voltage, Input-Output Current, Battery Charge etc.
Battery	12 V, 100AH Lead Acid Sealed Maintenance Free Batteries (weight 32 kg. minimum)
Backup	2 Hour Backup on full Load, Battery VAH should be minimum 16800 VAH.
Bypass	Automatic Static Bypass Switch
Battery Management System	Inbuilt
Remote Monitoring	SNMP Enabled from day one with software
Ambient Temperature	0-50 °C
Enclosure	M.S. Powder Coated with Wheels
Warranty	36 Month on UPS and Battery

M. S. S.
26/09/2016

Technical Specification of online 3 KVA UPS

Quantity-02

Features	Specification
Capacity	3 KVA Online
Technology	IGBT Based Rectifier
Input Voltage and Frequency	230V \pm 20% AC, Single Phase and 50Hz \pm 10%
Input Power Factor	>0.85
Output Voltage and Frequency	230V \pm 1% AC, Single Phase and 50Hz \pm 0.5%
Output Power Factor	0.80 Lag
Output Waveform	PWM Sine Wave
Isolation	Inbuilt Output Isolation Transformer
Protection	Input and Output Over and Under Voltage, Output Overload, Output Short Circuit, Battery Low Trip etc. If the UPS shuts down after permissible or deep discharge, it should switch on automatically after mains power restoration
Indicator	Main On, Inverter On, Battery Low, Over Load etc
LED Display	Input-Output Voltage, Input-Output Current, Battery Charge etc.
Battery	12 V, 100AH Lead Acid Sealed Maintenance Free Batteries (weight 32 kg. minimum)
Backup	2 Hour Backup on full Load, Battery VAH should be minimum 9600 VAH.
Bypass	Automatic Static Bypass Switch
Battery Management System	Inbuilt
Remote Monitoring	SNMP Enabled from day one with software
Ambient Temperature	0-50 °C
Enclosure	M.S. Powder Coated with Wheels
Warranty	36 Month on UPS and Battery

M. S. G.
26/9/2016

Technical Specification of online 1 KVA UPS

Quantity-10

Features	Specification
Capacity	1 KVA Online
Technology	IGBT Based Rectifier
Input Voltage and Frequency	230V \pm 20% AC, Single Phase and 50Hz \pm 10%
Input Power Factor	>0.85
Output Voltage and Frequency	230V \pm 1% AC, Single Phase and 50Hz \pm 0.5%
Output Power Factor	0.80 Lag
Output Waveform	PWM Sine Wave
Isolation	Inbuilt Output Isolation Transformer
Protection	Input and Output Over and Under Voltage, Output Overload, Output Short Circuit, Battery Low Trip etc. If the UPS shuts down after permissible or deep discharge, it should switch on automatically after mains power restoration
Indicator	Main On, Inverter On, Battery Low, Over Load etc
LED Display	Input-Output Voltage, Input-Output Current, Battery Charge etc.
Battery	12 V, 65AH Lead Acid Sealed Maintenance Free Batteries (20 kg. minimum weight)
Backup	1 Hour Backup on full Load, Battery VAH should be minimum 1600 VAH.
Bypass	Automatic Static Bypass Switch
Battery Management System	Inbuilt
Ambient Temperature	0-50 °C
Enclosure	M.S. Powder Coated with Wheels
Warranty	36 Month on UPS and Battery

M. Singh
27/09/2016