

Quotations invited

12-September-2013

From:

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Sealed quotations are invited for all the enquiries with the specification outlined below. Quotations may be sent by post/courier to the above mentioned address. The details of the requirement are mentioned below.

• **Enquiry No: Math/September/027**

- Opening date: 12 September 2013
- Closing date: 21 September 2013
- Essential requirement:

Online UPS (5 KVA and 10 KVA)	
Item Description:	
1.)	5 KVA ONLINE UPS with 30 minutes battery backup on full load. Total No. required: 3 The detail technical specification of the UPS is given in annexure I. Battery VAH should be minimum 4000 VAH. Make of battery should be Panasonic / Rocket / Exide Warranty: Three years on UPS and Battery.
2.)	10 KVA ONLINE UPS with 30 minutes battery backup on full load. Total No. required: 2 The detail technical specification of the UPS is given in annexure II. Battery VAH should be minimum 10000 VAH. Make of battery should be Panasonic / Rocket / Exide Warranty: Three years on UPS and Battery.
After Sales Service: For providing after sales service for the UPS, the vendor should have proper service support at Kanpur/Lucknow with adequate service persons, spare & standby UPS facility.	
Quotation shall be submitted in two parts: <ul style="list-style-type: none">• Pat-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), warranty and applicable tax rate (like VAT etc.)• Part-II (Financial) should contain the price of the offered UPS along with commercial terms and conditions. The price should not be quoted in the technical bid.	
Warranty: Complete Three years on UPS and Battery.	

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Annexure - I

TECHNICAL SPECIFICATION FOR 5 KVA ONLINE UPS

Technical Parameters	
UPS Capacity	5 KVA
Technology	IGBT Based Rectifier
Input Voltage Range	230V +/- 20% AC, Single Phase 170 - 280 VAC
Input Power Factor	≥ 0.99 at full load and nominal input Voltage
Output Voltage	230V +/- 1%, Single Phase
Output Frequency	50 Hz + / - 0.5%
Output Power Factor	0.90 Lag
Isolation Transformer	Inbuilt Isolation Transformer (Input / Output)
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.
Indications	Mains On, Inverter On, Battery Low, Over Load etc.
Alarm	Mains Failure, Battery Low, Trip conditions etc.
LCD Display	Input Voltage, Output Voltage, Input Frequency, Output Frequency, Battery Charging / Discharging Level, Load Level, Input High / Normal / Low / Fail, Output Overload, Output Short Circuit, Output Fault etc.
Battery	12 V Lead Acid Sealed Maintenance Free Batteries.
Backup	30 Minutes on Full Load. Battery VAH should be minimum 4000 VAH.
Bypass	Automatic Static Bypass Switch.
Remote Monitoring	SNMP Support
Ambient Temperature	0 – 45 Deg. for UPS, 0 – 30 for Batteries. No AC environment.
Warranty	3 Years on UPS and Batteries under Normal Ambient Condition (No AC environment).
+	With Matching Battery Cabinets.
+	with Academic Discount

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Annexure – II

TECHNICAL SPECIFICATION FOR 10 KVA ONLINE UPS

Technical Parameters	
UPS Capacity	10 KVA Online
Technology	IGBT Based Rectifier
Input Voltage Range	230V +/- 20% AC, Single Phase
	170 - 280 VAC
Input Power Factor	≥ 0.99 at full load and nominal input Voltage
Output Voltage	230V +/- 1%, Single Phase
Output Frequency	50 Hz + / - 0.5%
Output Power Factor	0.90 Lag
Isolation Transformer	Inbuilt Isolation Transformer (Input / Output)
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.
Indications	Mains On, Inverter On, Battery Low, Over Load etc.
Alarm	Mains Failure, Battery Low, Trip conditions etc.
LCD Display	Input Voltage, Output Voltage, Input Frequency, Output Frequency, Battery Charging / Discharging Level, Load Level, Input High / Normal / Low / Fail, Output Overload, Output Short Circuit, Output Fault etc.
Battery	12 V Lead Acid Sealed Maintenance Free Batteries.
Backup	30 Minutes on Full Load. Battery VAH should be minimum 10000 VAH.
Bypass	Automatic Static Bypass Switch.
Remote Monitoring	SNMP Support
Ambient Temperature	0 – 45 Deg. for UPS, 0 – 30 for Batteries. No AC environment.
Warranty	3 Years on UPS and Batteries under Normal Ambient Condition (No AC environment).
+	With Matching Battery Cabinets.
+	with Academic Discount

Please provide technical and financial bids in separate sealed envelopes.

In the document for technical bid, mention in tabular form the compliance to each of the above specifications. In addition, also provide:

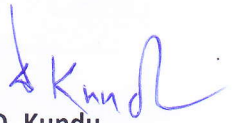
- (i) Authorization Certificate, if any from the principal manufacturer.

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(ii) Technical specifications in detail

(iii) List of clients and testimonials of services rendered. Those with a better record of after-sales services may be given preference.

Note: Payment terms will be as per IIT Kanpur rules. Validity of the quote should be for a minimum of 60 days.


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