



**DEPARTMENT OF ELECTRICAL ENGINEERING
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Sub: Enquiry for Online 7.5 kVA UPS.

We need one **Online 7.5 kVA UPS** for our High Voltage lab to be used for “Broadband Dielectric Spectrometer” meeting the specifications given in Annexure.

Kindly submit your sealed quotation (**Kindly quote the price for UPS and Batteries separately in same quotation,**) for the same as mentioned in the annexure so as to reach the under mailing address **on or before 5 pm of August 27, 2015.**

Kindly adhere to the following details:

- The order will be placed in the name of the principal.
- A certificate from principals indicating that you are their authorized dealer should be submitted.
- The quote should be valid for a period of at least 60 days.
- The warranty period should be clearly indicated.
- The time for delivery should be indicated (preferably not more than 4 weeks)
- Payment terms will be as per IIT Kanpur rules.
- The indenter reserves the right to cancel the tender without being answerable.
- Complete details of products should be attached with quotation.
- Warranty must be for three years after installation (specify clearly).
- The UPS should meet the relevant BIS Standards specifications. Please provide a copy testing certificate from BIS approved testing bodies.

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MAILING ADDRESS:

**Mr. Lekhraj Singh
High Voltage Laboratory, WL 114
Department of Electrical Engineering
Indian Institute of Technology Kanpur
Kanpur – 208016, Uttar Pradesh, India**

Annexure, Technical specifications for Online 7.5 kVA UPS

A. ON Line UPS: Qty. 01	
Feature	Specifications.
Capacity	7.5 kVA Online
Technology	IGBT Based DSP controlled Rectifier
Input Voltage	415±20%V AC, 3-phase 4 wire
Input Frequency Range	50 Hz±10%
Input Power Factor	>0.98
Output Voltage	230V AC ±1% Single Phase
Output Frequency	50 Hz
Output Power factor	0.98 to Unity
Output Wave form	PWM Sine Wave
Protection	Input and Output over voltage 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	Input: Voltage & Current, Mains On, Inverter On, Battery low, over load, Output: Voltage, Current, frequency, power, and load etc.
Alarm	Mains fail, battery low, Trip Condition etc.
LCD Display	Input Voltage, output Voltage, Output Current, Battery charge etc.
Bypass	Automatic Static Bypass Switch
Remote Monitoring	SNMP support
Ambient Temperature	0-50 ^{0C}
Enclosure	MS Powder coated with caster wheels for UPS and batteries
Warranty	3 Years for UPS and batteries
Over load capacity	125% for 10 minutes
Noise level	<55dB @ 1meter

Harmonic distortion	< 2% (Linear Load), ≤5% (Non-Linear Load)
Efficiency	>90% at full load
Backup	30 Minutes on Full Load. VAH (10000Ah minimum)
B. Batteries	
12 volts Lead acid Sealed Maintenance free batteries, Preferably battery makes: Exide, Quanta, Panasonic etc. on rack mounted.	