



**Environmental Geochemistry Laboratory**  
**Department of Civil Engineering**  
**Indian Institute of Technology Kanpur**

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Inquiry no.: IITK/CE/AS/05-2015/01  
Closing date and time: 29.05.2015 at 3 pm

Date: 22.05.2015

**Sub: Call for quotation for supply and installation of an online UPS system**

Sealed quotations along with the Proprietary and Authorization Letter/Certificate are invited from authorized suppliers for items and their specifications given below before 3 pm of 29.05.2015.

The quotation for supply and installation of **online UPS** of brands should be inscribed with "Quotation for Online UPS" sent in sealed envelopes. The Bids should contain details about the technical specifications of the product being offered as well as the detailed price quotation clearly, including the cost of the equipment, taxes, service charges, shipping and handling charges, if any. Our organization is an educational institute of repute and liable to get maximum education discount from manufacturer. Please specify it, separately.

S.No.	Product Name & Specifications	Quantity
1	<p>Capacity: 5 kVA Online, IGBT-based DSP controlled Rectifier</p> <p>Input Voltage: 230±20% V AC, 1-phase <b>Output Voltage:</b> 230V AC ±1% Single Phase <b>Voltage Distortion:</b> &lt;3% at liner load <b>Output Frequency:</b> 50 Hz <b>Protection:</b> 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. <b>Also, the UPS should be able to sustain a minimum load of 250 VA or lower.</b> <b>Indications:</b> Input: Voltage &amp; Current, Mains On, Inverter On, Battery low, Over load, Output: Voltage, Current, frequency, power, and load, etc. <b>LCD Display:</b> Input Voltage, Output Voltage, Output Current, Battery charge, etc. Batteries: 12 volts Lead acid Sealed Maintenance free batteries, long life trusted. Clearly state the battery provided.</p> <p><b>Backup: 30 Minutes on Full Load. VAH Should be minimum (5000 Ah)</b> <b>Warranty:</b> 3 Years for UPS and batteries <b>Over load capacity:</b> 125% for 10 minutes <b>Harmonic distortion:</b> &lt; 2% (Linear Load), :S5% ( Non-Linear Load <b>Efficiency:</b> &gt;90% at full load <b>Communication Interface:</b> USB port for software interface</p> <ul style="list-style-type: none"><li>• Complete with battery interconnection and rack</li></ul>	1



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2	<p>Capacity: 10 kVA Online, IGBT-based DSP controlled Rectifier</p> <p><b>Input Voltage:</b> 415±20% V AC, 3-phase 4 wire, 50 Hz }10%</p> <p><b>Output Voltage:</b> 230V AC ±1% Single Phase</p> <p><b>Voltage Distortion:</b> &lt;3% at liner load</p> <p><b>Output Frequency:</b> 50 Hz</p> <p><b>Protection:</b> 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. <b>Also, the UPS should be able to sustain a minimum load of 250 VA or lower.</b></p> <p><b>Indications:</b> Input: Voltage &amp; Current, Mains On, Inverter On, Battery low, Over load, Output: Voltage, Current, frequency, power, and load, etc.</p> <p><b>LCD Display:</b> Input Voltage, Output Voltage, Output Current, Battery charge, etc.</p> <p>Batteries: 12 volts Lead acid Sealed Maintenance free batteries, long life trusted. Clearly state the battery provided.</p> <p><b>Backup: 30 Minutes on Full Load. VAH Should be minimum (10000 Ah)</b></p> <p><b>Warranty:</b> 3 Years for UPS and batteries</p> <p><b>Over load capacity:</b> 125% for 10 minutes</p> <p><b>Harmonic distortion:</b> &lt; 2% (Linear Load), :5% ( Non-Linear Load</p> <p><b>Efficiency:</b> &gt;90% at full load</p> <p><b>Communication Interface:</b> USB port for software interface</p> <p>Complete with battery interconnection and rack</p>	1
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**Terms and Conditions:**

- The vendor should supply list of installation (minimum 5, in last two year) in India of the same model quoted against this enquiry, preferably at IITK.
- Manufacturer should have appropriate certification.
- The quotation should quote the product specification in the same order & sequence as the Tender document.
- The firms may also quote for optional accessories which will extend the capability or increase the use of the equipment.
- Provide contact number/address for complaint, else quotes may be rejected.
- **Delivery period should be within 21 days from the receipt of the purchase order. Extension of delivery period is not allowed.**
- Taxes, packaging, forwarding freight charges, if any should be mentioned.
- Quotation should carry proprietary certificates and authorization letters/certificates.
- Prices should include installation and training of use of the equipment.



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- The warranty period should be 3 years from the date of installation. **Also, quote must include prices for AMC from the manufacturer.**
- The firms may also quote for optional accessories which will extend the capability or ease of use of the equipment.
- All quotations should be in the currency of the country of origin of the instrument and CIF, Delhi (if imported), and **also converted to ₹.**
- **The Institute is exempted from excise duty and pays a nominal customs duty @ 5.15% under Govt. of India notifications 10/97 and 51196, respectively.** Custom Duty exemption certificate under notification 51/96 and road permit will be provided if applicable.
- **Quotation should have minimum validity of 60 days from the date of opening.**
- Normal payment terms for the Institute will be applicable (90% on delivery of the items and the remaining 10% after satisfactory installation and initial testing).
- The Institute reserves the right for accepting and rejecting any quotations without assigning any reason thereof. **Also, the Institute reserves the right to reject or accept both or any of the offers made above.**

Thanking you,

Sincerely,

Dr. Abhas Singh

Assistant Professor, FB-306, Department of Civil Engineering,  
I.I.T. Kanpur, Kanpur- 208016, Uttar Pradesh, India.