Notice Inviting Quotation

Quotations are invited for the purchase of UPS (Uninterruptible Power Supply) system (one in number) at the Department of Textile Technology. Interested manufacturers / suppliers are required to submit their quotations as per the specifications given below. The sealed Quotations are to be submitted in two Separate envelopes;

A - for Technical Quote (Specifications) &
B - for Financial Quote
(For details, see Annexure I)

Both these envelopes should be further enclosed in an outer envelope, which should also be sealed and addressed to, clearly mentioning on top of the envelope “Quotations for UPS.”

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Assistant Professor
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Department of Textile Technology
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The quotations should reach the above office of by 5.00PM on 21/03/2012. If needed, the suppliers may be asked to make a technical presentation before the committee.

Institute reserves the right to accept or reject any of the offers without assigning any reasons.

Specifications of UPS (1 in number)

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Specification</th>
<th>Essential requirement</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>UPS rating</td>
<td>• 10 kVA</td>
</tr>
<tr>
<td>2.</td>
<td>Type</td>
<td>• Online double conversion UPS system</td>
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<tr>
<td></td>
<td></td>
<td>• Galvanic isolation design</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Compact design to suit the interiors</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Easy to maintain and upgrade</td>
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<tr>
<td></td>
<td></td>
<td>• Full function LCD display to monitor electrical parameters</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Compliance to international standards (for safety, EMC, enclosure protection, marking etc.)</td>
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<tr>
<td>3.</td>
<td>Phase</td>
<td>• 3 phase in and 3 phase out with isolation transformer</td>
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<tr>
<td></td>
<td></td>
<td>• Voltage and frequency independent</td>
</tr>
<tr>
<td>4.</td>
<td>Input</td>
<td>• Voltage: 380-400-415 Three Phase</td>
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<tr>
<td></td>
<td></td>
<td>• Voltage range: ±20%</td>
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<tr>
<td></td>
<td></td>
<td>• Frequency range: 50/60 Hz (±10%)</td>
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<td></td>
<td></td>
<td>• Input power factor: up to 0.96</td>
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<td></td>
<td></td>
<td>• THDi: &lt; 5-10%</td>
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<tr>
<td></td>
<td></td>
<td>• Standard fittings: Back feed protection</td>
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<tr>
<td>5.</td>
<td>Output</td>
<td>• Voltage: 380-400-415 Three Phase (±1%)</td>
</tr>
</tbody>
</table>
| 6. Overall Efficiency | • Static regulation: ±1%
  • Dynamic stability: ±5% in 10ms
  • Waveform: Sinewave
  • THDu: ≤2% for 100% linear load and ≤5% for 100% non-linear load
  • Crest factor: 3:1
  • Overload: 125% for up to 15 minutes and 150% for up to 60 seconds |
|----------------------|---------------------------------|
| 7. Display           | • LCD display
  • AC Input Voltage, AC Input Frequency, Battery Voltage, AC Output Voltage, AC Output Frequency, AC Output Load %, Temperature
  • UPS Status (Mains Fail, Individual Phase Fail, Battery Low, DC high, Overload with Shut Down Time, Output Low, Output High, Over Temperature) |
| 8. Dimensions        | • 500 x 800 x 1200 mm (width x depth x height) (Maximum) |
| 9. Battery           | • Branded with high quality standards
  • Maintenance free |
| 10. Battery back-up  | • ½ hour
  • 1 hour (quote separately) |
| 11. Operational       | • Operating temperature between 0 to 40°C or broader
  conditions        | • Humidity 0-95% RH. Non condensing |
| 12. Safety            | • Noise level: less than 70 dB at 1 meter distance from UPS
  • Indication - Mains ON, Inverter ON / OFF / Faulty, Battery Level, Static Bypass ON, Load Level, Over Temperature
  • Alarm – Main Failure Alarm, Low Battery Alarm, DC High, Inverter Fault, Overload and Load on Bypass
  • Protection - Advanced Electronic protection for device safety backed with MCBs / Soft start feature for rectifier and inverter, built in overload protection output short-circuit protection, inverter over temperature
  • Auto restart - YES |
**Envelope A: Technical Quote: The following details are to be enclosed** *(Mention clearly on this envelope – Technical Quote)*

1. Technical brochures mentioning all details with complete address of the principals.
2. A compliance chart based on the specifications as per the NIQ.
3. Any optional equipment / accessory / spares advised to be included separately.
4. Installation requirements including water supply, UPS, etc.
5. List and addresses of organizations where the equipment has been supplied in last 3 years in India.
6. Details of other equipment supplied to IIT Delhi specifying the Department/ centre / lab to which the equipment was supplied. Also mention if the equipment is being maintained by your organization.
7. Address of the technical office, in India, with telephone and FAX numbers. Kindly clarify the type of support available in India.
8. If quote is for imported equipment supplied through Indian Agent, Sole Agency-ship certificate on the letterhead of the principal company, if quotation is from an Indian Agent.
9. Proprietary Item Certificate from the principals, if applicable.
10. Copy of the certificate of a registered importer from Ministry of Commerce or Finance if the quotation is being submitted by an Indian agent.

**Envelope B: Financial Quote: The following details are to be enclosed/ ensured** *(Mention clearly on this envelope – Financial Quote)*

1. The quotations for the equipment in foreign exchange, if it is to be imported. The cost of spares and optional equipment/accessories to be quoted separately. The cost should be based on CIF, New Delhi. If equipment is indigenous, the quote should be in INR and all taxes applicable should be mentioned clearly.
2. Institute makes payment after delivery and successful installation. In case the payment terms are different, it should be mentioned clearly. If equipment is to be imported, the address of the company in whose name the LC is to be opened should be stated.
3. The comprehensive Warranty period.
4. The details of the AMC after the warranty period.
5. Cost for Installation and training at site, if applicable.
6. Validity of the quote should be minimum 90 days.
7. The delivery period to be clearly specified.