



INDIAN INSTITUTE OF TECHNOLOGY KANPUR
DEPARTMENT OF MECHANICAL ENGINEERING
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Enquiry no.: ME/ERL/2013-14/July/01

Enquiry date: July 10th, 2013

Last Date: July 30th, 2013

Enquiry for On-Line UPS (10 KVA, 1 Φ)

On-line UPS from a reputed UPS manufacturer is required for Engine Research Laboratory. Specifications of UPS are given below:

Output

- Topology: Double conversion online, 20 battery bus
- Output Voltage: 230V (Single phase)
- Efficiency at full load: 90%
- Output Frequency: 50-60 Hz
- Output Power: 10kVA (1 hr back up at full load)
- Output Connection: 3 Wire, single phase
- Parallel Redundancy
- LCD Display of Operational Parameters such as Power Backup Time, Health of UPS, Load, Battery Life.
- IGBT Technology Based Online UPS
- > 0.97 input power factor /0.8 output power factor
- Wide Voltage and Frequency Rang compatibly with Genset

Input

- Input Voltage: 230V
- Input Frequency: 45-65 Hz
- Input Connection: 3 wire, single phase
- Bypass: Internal bypass (Automatic)

Battery

- Make: Bosch, Amaron or Similar Maintenance Free Battery from Reputed Manufacturer
- Capacity: 64 AH
- Battery Type: Maintenance free sealed lead-acid battery with suspended electrolyte leak proof
- Enclosure: Batteries must be kept in a completely enclosed enclosure, made of at least 18 gauge sheet metal, fabricated with load bearing members.

Communication and Management

- Interface Port: DB-9 RS-232
- Emergency power off
- Control Panel: LCD display

Terms & Conditions:

- (i) Provide “Authorization certificate” from the manufacturer.
- (ii) Prices should include delivery and installation.
- (iii) Validity of quotation should be at least for 90 days.
- (iv) Warranty should be at least Three Years on UPS and at least two years on batteries.
- (v) The offer should be accompanied by at least five purchase orders from Government Departments for Large Capacity UPS’s (> 5 KVA) for the same manufacturer.

Payment Terms: 100% Payment will be made only after the supply, full load testing and ensuring compliance with all the specifications given in the tender document.

Kindly send your best offer (Techno-Commercial offer in a single document) so as to reach us on or before July 30th, 2013 to the following address:

Prof. Avinash Kumar Agarwal

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In case of any queries/ clarifications related to this tender, you may contact Mr. Dhananjay Srivastava (+91 9935355990).