

INDIAN INSTITUTE OF TECHNOLOGY KANPUR
Department of Civil Engineering

Enquiry letter for online UPS

Reference: IITK/CE/HWRE/SERB/ST/2015-16/05

Dated: 22.02.2016

Sir/Madam,

With reference to the subject mentioned above, you are invited to submit the quotation in a sealed cover. Configuration/Specification is given below:

The prospective suppliers are required to send quotation in two parts in sealed envelopes, as “Technical Bid” and “Financial Bid”. The Technical Bid should contain detailed technical specification of the product being offered and should not mention any prices. The Financial Bid should include the detailed price quotation clearly including the cost of the equipment, taxes, service charges, shipping and handling charges, if any. **The two separate and sealed envelopes should be clearly marked appropriately as “Technical Bid” and “Financial Bid”. Kindly write the inquiry no. on the top of envelop.**

- a) 10 KVA ONLINE UPS with one hour battery backup on full load. The detail technical specification of the UPS is given in **annexure I and annexure II**.
Make: APC/Delta/Microtek/APLAB/Emerson/Uniline
Make of battery should be Panasonic/Exide/Roket/Amaron

After Sales Service:

1. For providing after sales service for the UPS. The vendor should have proper service support at IIT Kanpur adequate service persons, spares & standby UPS facility.
2. Single point of contact for support: Vendor has to provide details of single point of contact viz. Designation, address, and email address, telephone/mobile no. Escalation matrix for support should also be provided with full details.

Kindly send your offer (original, signed in sealed envelope) for the above items mentioning the following:

1. All quotation must reach undersigned By March 20, 2016, 5 P. M.
2. Validity of quotation should be at least for 60 days.
3. Cost of the item with technical specification in detail warranty and guarantee period.
4. Educational discount applicable, considering end use for research and teaching.
5. Prices should be quoted on the basis of delivery to I I T Kanpur.
6. Delivery must be within 01 months.
7. Quotation should carry proper certification like agency and/or proprietary certificate, etc.

8. Normal payment terms for the Institute will be applicable (90% on delivery of the items and remaining 10% after satisfactory installation/inspection).
9. Prices should be in Indian Rupees.
10. Any other relevant details.



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Annexure I

Feature	Specification
Capacity	10 KVA Online
Input Voltage Range	230V \pm 30% AC Single Phase
Input Frequency Range	50 Hz \pm 10%
Input Power factor	>0.95
Output Voltage	230 V AC \pm 1%,Single Phase
Output Frequency	50 Hz \pm 0.5%
Output Power factor	0.80 Lag
Output Waveform	PWM Sine Wave
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, Invertor On, Battery Low, Over Load etc.
Alarm	Mains Failure, Battery Low, Trip Condition etc.
LCD Display	Input Voltage, Output Voltage, Output Current, Battery Charge etc.
Battery	12 V Lead Acid Sealed Maintenance Free Batteries.
Back-up	One hour on full load
Ambient Temperature	0-50 DegC

Annexure II

Capacity	10 KVA Online
Input Voltage Range	360V AC~450V AC \pm 20%V AC, Three Phase
Input Frequency	45~55Hz
Phase	Three Phase Three Wire (compatible for phase reversal)
Output Voltage	400V AC Phase to Phase \pm 3% on 100% unbalance load
Output Frequency Range	50Hz \pm 0.5%
Output Phase	Three Phase Four Wire
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, Invertor On, Battery Low, Over Load etc.
Alarm	Mains Failure, Battery Low, Trip Condition etc.
LCD Display	Input Voltage, Output Voltage, Output Current, Battery Charge etc.
Battery	Lead Acid Sealed Maintenance Free Batteries.
Back-up	One hour on full load
Ambient Temperature	0-50 DegC