

PS/128/73/2006

Date:

Detailed specifications, terms and conditions in respect of Tender Notice No. PS/Tender/1/2006 for supply, installation and commissioning the following:

Detail Specifications for UPS Systems

A) Specifications of 60 KVA online UPS – Qty 03 Nos.

Input:

Input Voltage: 415 V AC(+15%,-20%)
Frequency: 50 Hz
Power Factor: >0.92

Output:

Rating: 60 KVA
Voltage: 230 V +/- 1% single ph
415 V +/- 1% three ph 4 wire
Power Factor: 0.6 lag to unity
Wave form: Sine wave
THD: <3 %l for linear load
1. % for non linear load
Overload rating: 125 % for 10 minutes
150% for 1 minute
Crest factor: 3:1
Recovery time: <5 ms

Battery:

Voltage: 360 VDC
Type: SMF
backuptime: 15 min

Efficiency:

Inverter efficiency : >92%
Overall efficiency : >90%
Noise level: < 65 DB @ 1.5 metres

Protections:

I/p AC over voltage/under voltage, DC over voltage/over current,
O/p over voltage/under voltage,DC under voltage,over Temp,O/p overload,shortcircuit

Audio Alarm:

Rectifier Trip,Overload,Mains Fail,Battery low,System Trip

Metering:

I/P voltage/current/frequency
Battery voltage- battery charge/ discharge current
Output voltage/current/freq

Features:

SNMP on ethernet interface with relevant software required

Additional:

Vendor may quote their solution for one more UPS as a standby to cater to failure of any of the three 60 KVA ups systems.

B) Specifications of 10 KVA online UPS – Qty 01 No.

Input:

Input Voltage: 415 V AC(+15%,-20%)
Frequency: 50 Hz
Power Factor: >0.92

Output:

Rating: 10 KVA
Voltage: 230 V +/- 1% single ph
415 V +/- 1% three ph 4 wire
Power Factor: 0.6 lag to unity
Wave form: Sine wave
THD: <3 %l for linear load
1. % for non linear load
Overload rating: 125 % for 10 minutes
150% for 1 minute
Crest factor: 3:1
Recovery time: <5 ms

Battery:

Voltage: 360 VDC
Type: SMF
backuptime: 15 min

Efficiency:

Inverter efficiency : >92%
Overall efficiency : >90%
Noise level: < 65 DB @ 1.5 metres

Protections:

I/p AC over voltage/under voltage, DC over voltage/over current,
O/p over voltage/under voltage,DC under voltage,over Temp,O/p overload,shortcircuit

Audio Alarm:

Rectifier Trip,Overload,Mains Fail,Battery low,System Trip

Metering:

I/P voltage/current/frequency
Battery voltage- battery charge/ discharge current
Output voltage/current/freq

Features:

SNMP on ethernet interface with revent software required

Terms and Conditions

1. Sealed tender, addressed to Director, IITM, NCL Post Office, Pashan, Pune-411008, India, must be submitted in a sealed cover superscripting the tender No. , due date of opening and the item quoted.
2. Last date for the receipt of completed tender is up to 17:00 hrs. on **3rd April 2007**
3. Tenders will be opened at 15:00 hrs. on **4th April 2007** in the presence of the representatives of the vendors present.
4. The tender must be valid for a period of at least 90 days from the date of opening.
5. Supplier shall finally warrant that all the stores, equipment and components supplied under the ORDER shall be new and of the first quality according to the specifications and shall be free from the defects (even concealed fault, deficiency in the design material and workmanship).
6. Tender must clearly indicate the features offered unit price, VAT tax, transport, transit-insurance, installation charges. Institute cannot furnish any certificate for exemption or reduction in VAT tax or any other duty/tax. The vendor should mention the price of the equipment and the duties/taxes to be paid such as customs duty/excise duty/VAT taxes etc. separately.
7. The complete equipment including operational manuals should be supplied within three weeks of supply order and the vendor should install and commission the equipment within five days after the delivery of the equipment.
8. As this Institute is exempted from payment of Custom Duty and Excise Duty, exemption certificate will be issued on request.
9. The equipment must carry on-site warranty for **Three Years** from the date of taking over of the equipment after the acceptance tests. Warranty period will stand extended for a period of total downtime of the UPS Systems.
10. The vendor has to furnish a bank guarantee to the extent of 10% of the order value from a nationalized bank in the prescribed format valid for the entire period of warranty including extension if any.
11. No advance can be paid.
12. Payment terms will be as follows: a) 90% payment after complete delivery of items, satisfactory installation and successful completion of acceptance tests. b) 10% payment after furnishing Bank Guarantee from a nationalized bank which will be valid till the expiry of warranty period including extension if any.

13. The prices quoted should be firm and irrevocable and not subject to any change whatsoever, even due to increase in cost of raw material components and fluctuation in the foreign exchange rates and excise duty.
14. Vendor should arrange appropriate training to the users free of charge.
15. The Institute is autonomous scientific research organization under the Ministry of Earth Sciences and is a recognized center for studies leading to M.Sc. and Ph.D. of the University of Pune and various other Universities. As such, all possible concessions/discounts/rebates applicable for educational Institutions may be given.
16. Any upgrade of OS and associated other software during the warranty period should be supplied free of charge.
17. The vendor should have appropriate facilities and trained personnel for supply, installation, commissioning and warranty-maintenance of the equipment to be supplied. Detailed information in this regard may be furnished.
18. Vendor should clearly mention the following:
 1. **Make and model of every item quoted.**
 2. Delivery period.
 3. Company profile with a list of those institutes/users should be attached where vendor has supplied the equipments in question in past.
 4. A letter of AUTHORISED REPRESENTATIVE from the Principal should invariably be attached with quotation
 5. A copy of latest Income Tax clearance Certificate from Income Tax Department (INDIA)
19. Octroi payment if any, the same may please be shown separately.
20. Acceptance tests to be prescribed later will be carried out after installation and the items will be taken over only after successful completion of the acceptance tests.
21. The UPS Systems will be installed in the Various Divisions of the Institute. Vendor should supply appropriate racks to place the batteries of UPS Systems.
22. This tender is not transferable.
23. Part and incomplete tenders are liable to be rejected.
24. In case of any dispute regarding part-shipment, non-compliance of any feature etc., the Director, Indian Institute of Tropical Meteorology, Pune will be the final authority to decide the appropriate action and it will be binding on the vendor.
25. Director reserves the right to reject any or all tenders without assigning any reason.

(S. R.Nirgude)
Senior Technical Officer-II
for Director