

No.EDP/UPS/2007/e-Auction

Dated 19<sup>th</sup> September 2007

SUPPLY AND INSTALLATION OF ONLINE UPS FOR E-AUCTION CENTER IN  
KUMILY/VANDANMETTU

Sealed quotations are invited for supply and installation of reputed brands/makes of UPS System with batteries as per the requirement and specification given in Annexures - I, subject to terms and conditions given in Annexure-II. The UPS system are required to be installed in Cardamom e-Auction center in Kumily/Vandanmettu.

The quotations, addressed to the Dy. Director(EDP), Spices Board, Cochin-25, should reach EDP Dept. of the Board latest by 5.00 p.m on 26.9.2007. The quotations will be opened at 11.00 a.m on 27.9.2007 in the presence of available vendors. The sealed cover containing the quotation shall be super-scribed as "Quotation for UPS for e-Auction due on 26.9.2007 (EDP Dept)". As per normal payment terms of the Board, 90% of the payment will be released on delivery of items subject to inspection and, balance, on successful installation of the items. Spices Board has no 'C'/'D' forms. The Board reserves its right to reject any or all quotations without assigning any reason thereof.

Dy.Director(EDP)

Encl : as above.

**REQUIREMENT**

One number 10 KVA online UPS system for 4hours backup with three phase input and single phase output with Tubular Battery to support a normal load of 40 amps.

**SPECIFICATION OF UPS****Warranty : 3 year for UPS and 2 years for battery**

Power Capacity	10KVA
Normal load	40 amps
Backup time	4 Hours
Manufacturing Process	ISO 9000 certification in design, development and manufacture of UPS Systems.
Technology	True Online Insulated Gate Bipolar transistor(IGBT)
Battery	External tubular battery preferably Exide 6EL with stand.
Output Wave Form	Pure Sine wave
Output Voltage	230 V AC +/- 2%
Output Frequency	50 Hz (+/- 0.01 Hz)
Crest factor	3:1
Overload capacity	150% for 1 minute, 125% for 10 Minutes
Harmonic distortion	< 3% for non linear load and < 5% for linear load
Protection	Short Circuit Protection, Cut off for over/under voltage in output/input, Lightning & Surge Protection Electronic over current trip with reset
Indications on UPS	DC Volts, DC current-charge/discharge AC Output Volts, AC Load Current, Output Frequency Low DC, Inverter Trip, Output High/Low Bypass Mode, Battery Mode, mains Mode Beep Sound to alert mains off

## ANNEXURE II

### TERMS AND CONDITIONS

- The Tenderer shall submit along with the tender an EMD of Rs.5000/- (Rupees Five Thousand Only) in the form of Demand Draft in favour of Secretary, Spices Board. The EMD should be submitted in a sealed cover marked on the outside with the word 'EMD'. The EMD of unsuccessful Tenderer(s) will be refunded, after short-listing of proposals, without any interest. In case the tenderer withdraws from the process, the EMD deposited by him will be forfeited. EMD of the successful tenderer will be retained by the Board as security deposit till the successful completion of System installation. No interest shall be payable on this.
- Tenders received after the prescribed date and time and without EMD will be summarily, rejected.
- There is no separate tender document. This enquiry notice can be downloaded from Board's web site at <http://www.indianspices.com/html/quot.php> for tender submission.
- UPS shall be supplied from a factory with ISO 9001:2000 certification in manufacture of UPS Systems.
- UPS shall be delivered within two-three weeks from date of placing order. If the supply is not made within the said period of three weeks, termination/cancellation of the order will be considered and in such a situation, the Board will have the right to forfeit the security deposit (EMD) of the tenderer and procure the UPS from elsewhere.
- Cost of battery and UPS shall be quoted separately.
- During installation, the supplier has to arrange load test and demonstrate UPS functionality viz, overload capacity and back-up time with full load. Acceptance of UPS will be subject to successful demonstration of said load test and backup support.
- Cost shall include all taxes, duties, entry tax, packing, insurance, forwarding and installation charges.
- Proposal shall include documents to prove quality of products, service support and technical competence.
- Tenders which are incomplete in specifications and required details will not be considered and such tenders are liable to be rejected forthwith.

Contd..

## Quotation shall contain

1. Delivery time, validity of quotation and warranty period.
2. Annual Maintenance Contract (AMC) Rate for post warranty period.
3. Response time to attend breakdowns.
4. Assurance on availability of spare parts and standby UPS in case of breakdowns.
5. Address and quality certification details of factory where UPS is manufactured.
6. Documents to prove ISO certification, quality of products, service support and technical competence.
7. Major clients of the product in Kochi and their contact address.
8. Willingness to demonstrate UPS performance viz overload capacity, backup time etc.
9. Technical details

- » Technology
- » Normal load supported in amps
- » No of PCs supported by UPS (colour monitor without printer)
- » Battery Specification:
  - No of Batteries
  - Make and Model
  - AH Specification
  - Charger type
  - Recharge time
- » Crest factor
- » DC Voltage

» Overload capacity
» Harmonic distortion
» Indications and metering available
» Bypass mode : Automatic/Manual
» Power factor
» Protections
» Output Waveform
» Input requirements
» Maximum peak current rating