

No.EDP/ASIDE/06-07

Dated 3rd August 2006

Sirs,

Sub:-Purchase of UPS Systems – reg.

Sealed quotations are invited for supply and installation of UPS Systems with batteries in Board's H.O as per the requirement and specification given in Annexure - I, subject to terms and conditions given in Annexure-II.

The quotations, addressed to the Secretary, Spices Board, Cochin-25, should reach EDP Dept. of the Board latest by 3.00 p.m on 17.8.2006. The quotations will be opened at 3.15 p.m on the same day in the presence of available vendors. The sealed cover containing the quotation shall be super-scribed as "Quotation for UPS due on 17.8.2006 (ASIDE Scheme -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.

Yours faithfully,

Sd/-

(V.K.K.NAIR)

SECRETARY

Encl : as above.

REQUIREMENT AND SPECIFICATION OF UPS FOR HEAD OFFICE

- (1) 2 Numbers of 3.0 KVA online UPS to connect 12 amps load with a minimum backup of 2 hours on full load
- (2) 1 Number of 5.0 KVA online UPS to connect 20 amps load with a minimum backup of 2 hours on full load

Common Specifications**Warranty : 3 years for UPS and 2 years for battery**

Manufacturing Process	ISO 9000 certification in design, development and manufacture of UPS Systems.
Technology Battery	True Online Insulated Gate Bipolar transistor(IGBT) External tubular battery preferably Exide make with battery stand
Output Wave Form	Pure Sine wave
Input	230V AC Single phase
Output Voltage	230 V AC +/- 2%
Output Frequency	50 Hz (+/- 0.01 Hz)
Crest factor	3:1
Overload capacity	150% for 1 minute
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, Lightening & Surge Protection Electronic over current trip with reset
Indications	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

Specification of old UPS for take back

Make: Numeric Online UPS
Capacity: 0.5 KVA and 1 KVA

TERMS AND CONDITIONS

- ❌❌ UPS shall be supplied from a factory with ISO 9001:2000 certification in manufacture of UPS Systems.
- ❌❌ Cost of battery and UPS shall be quoted separately.
- ❌❌ A demonstration of 3/5KVA or higher capacity UPS shall be arranged in Cochin in case the proposal is short listed.
- ❌❌ 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.

Quotation shall contain

1. Delivery time, validity of quotation and warranty period.
2. Annual Maintenance Contract (AMC) Rate for post warranty period.
3. Take back value of old UPS
4. Response time to attend break-downs.
5. 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 product, 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	» Overload capacity
» Normal load supported in amps	» Harmonic distortion
» No of PCs supported by UPS (colour monitor without printer)	» Indications and metering available
» Battery Specification: No of Batteries Make and Model AH Specification Charger type Recharge time	» Bypass mode : Automatic/Manual
» Crest factor	» Power factor
» DC Voltage	» Protections
	» Output Waveform
	» Input requirements
	» Maximum peak current rating