

SUPPLY AND INSTALLATION OF ONLINE UPS IN QUALITY EVALUATION LAB(QEL)

Sealed quotations are invited for supply and installation of reputed brands/makes of UPS Systems with batteries, by take back of old UPS, as per the requirement and specification given in Annexures - I, subject to terms and conditions given in Annexure-II. The UPS systems are required to be installed in Quality Evaluation Lab(QEL) of Spices Board in Kochi and Mumbai.

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 12.11.2007. The quotations will be opened at 11.00 a.m on 13.11.2007 in the presence of available vendors. The sealed cover containing the quotation shall be super-scribed as "Quotation for UPS for QEL due on 12.11.2007 (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.

Secretary

Encl : as above.

**REQUIREMENT AND SPECIFICATION OF UPS FOR QUALITY EVALUATION
LABORATORY, SPICES BOARD AT COCHIN AND MUMBAI**

Three numbers of 10 KVA online UPS system with isolation transformer (floor mounted type)

Requirement: Kochi –Two numbers, Mumbai - One number

Technology	PWM Technology
Input/Output	Three phase/Single phase
Normal load	40 amps
Backup time	2 Hours
Battery VAH Required	30000VAH
Manufacturing Process	ISO 9000 certification in design, development and manufacture of UPS systems.
Battery	External tubular battery preferably Exide 6EL or Southern Tubular 6SB XL (PP Container) with stand.
Output Wave Form	Pure Sine wave
UPS Power factor at rated load:	better than 0.9 lagging
Output Voltage	230 V AC \pm 1%
Output Frequency	45-55 Hz (\pm 0.01 Hz)
Overload capacity	UPS shall withstand 20% overload for 10 minutes and 50% overload for one minute.
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
Specification of old UPS for take back(location Board's HO in Kochi)	E & C make AQUA POWER(UPS 3600) 7.5 KVA x 2 nos along with 20 nos. Exide Batteries (Tube Power 6 TP 100H)

TERMS AND CONDITIONS

- The Tenderer shall submit along with the tender an EMD of Rs.10000/- (Rupees Ten 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.

Those who submitted EMD against Board's tender notice for UPS released in Sep 2007 need not submit EMD

- The tender 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, 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 and demonstrate UPS functionality viz. overload capacity and backup time with full load. Acceptance of UPS will be subject to successful demonstration of said load test and backup time.
- Cost shall include all taxes, duties, entry tax, packing, insurance, and forwarding and installation charges.
- Tenders which are incomplete in specifications and required details will not be considered and such tenders are liable to be rejected forthwith.

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 with 20 batteries (old).
4. Response time to attend breakdowns.
5. Assurance on availability of spare parts and standby UPS in case of breakdowns.
6. Address and quality certification details of factory where UPS is manufactured.
7. Documents to prove ISO certification, quality of products, service support and technical competence.
8. Major clients of the product in Kochi and their contact address.
9. Willingness to demonstrate UPS performance viz overload capacity, backup time etc.

10. 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

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