

SPICES BOARD
(Ministry of Commerce & Industry, Govt. of India)
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REQUIREMENT OF 3KVA ONLINE UPS SYSTEMS FOR BOARD'S TISSUE CULTURE LAB,
KOCHI

NoSB/TC/DBT/09

Dated 16th Sep 2009

Sealed quotations are invited for supply and installation of reputed brands/makes of UPS Systems with batteries as per the requirement and specification given in Annexure - I, subject to terms and conditions given in Annexure-II. The UPS Systems and batteries shall be supplied and installed in Board's Tissue Culture Lab, Kochi

The quotations, addressed to Scientist D, Tissue Culture Lab , Spices Board, Cochin-25, should reach Tissue Culture Lab. of the Board latest by 5.00 p.m on 6th Oct 2009. The sealed cover containing the quotation shall be super-scribed as "Quotation for UPS due on 6th Oct 2009 - TCLAB)". 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.

Sd/-

Y.S.RAO

Scientist D

TISSUE CULTURE LAB

Encl : as above.

UPS- 3 KVA with Isolation transformer - 1 NO

Backup time	: Two Hours
Battery	: Exide tubular 6EL
VAH required	: 8500 minimum
Input	: single phase
Output	: single phase

Warranty : 3 years for UPS and battery

Certification: ISO 9000 certification in design, development and manufacture of UPS Systems.

Technology	PWM IGBT
Output Wave Form	Pure Sine wave
Efficiency	90% minimum (at rated output voltage and frequency)
UPS power factor	better than 0.9 lagging
Output Frequency	50 Hz (+/- 0.01 Hz)
Overload capacity	120% for 10 minutes and 150% for 1 minute
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Overload capacity	120% for 10 minutes and 150% for 1 minute
Protection	Short Circuit Protection, Cut off for over/under voltage in output/input, Lightening & Surge Protection Electronic over current trip with reset By-pass facility for maintenance
Indications	Mains present, output overload, low battery, Battery charging/discharging Beep Sound to alert mains off
Digital meter	Input AC voltage, Output AC voltage, current & frequency Battery voltage and current

Battery VAH, No of batteries and DC voltage shall be specified

TERMS AND CONDITIONS

- ✍✍ 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 four weeks from date of placing order. If the supply is not made within the said period of four weeks, termination/cancellation of the order will be considered and in such a situation, the Board will have the right procure the UPS from elsewhere.
- ✍✍ 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.
- ✍✍ The offer shall include delivery time, validity of quotation, warranty period and AMC rate for post-warranty period. 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. Response time to attend break-downs
4. Address and contact no. of nearest service and support centre
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.
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