



PANJAB UNIVERSITY

DEPARTMENT OF BOTANY

CHANDIGARH - 160 014

(Estd. Under the Panjab University Act VIII of 1947 – enacted by the Govt. of India)

Dr. S. K. Upadhyay

Principal Investigator

N.I.Q.

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UNDER REGISTERED POST

Ref. No. 33-37/SKU/Bot

Date: 27.4.2017

Dear Sir,

Please quote your lowest rates in DUPLICATE, for the item (s) given below as per the specifications. Your quotation should reach the undersigned on **or before 10.5.2017**.

UPS with batteries:

Specifications:

- 10KVA
- 3-Phase In 1-Phase Out
- Uninterruptible Power Supply (UPS) along with external isolation transformer & battery bank for two hours
- The UPS shall operate as an on-line system in the following modes: a) Normal, b) Battery, c) Recharge, d) Bypass
- Operating Ambient Temperature : 0 °C to 50 °C
- Relative Humidity: 0 to 95%
- Nominal Frequency 50/60 Hz +/- 5 Hz (auto sensing)
- Output Voltage 230V
- Enclosure: The UPS shall be housed in a free standing enclosure.
- Battery housing : Battery housing cabinet to be supplied
- Ventilation: The UPS shall be cooled by forced air and shall be equipped with fan monitoring circuits. External battery systems shall be cooled by free air ventilation and convection according to battery manufacturer requirements.
- Battery Type: Maintenance-free sealed Lead-Acid battery with suspended electrolyte, leakproof
- Typical Recharge Time: 2-3 hours
- Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm
- Installation: The UPS must be installed. The required inverter input and output switchgear & cables should be provided.
- Manufacturer experience: The manufacturer shall have a minimum 10 years of Experience in the design, manufacture and testing of UPS systems.
- Service Centre: Should have a fully functional service centre with spares stock for attending the breakdown calls. Details of the service centre must be provided.
- **Warranty:**
 - **UPS Module:** The UPS manufacturer shall warrant the UPS module against poor workmanship and materials for 2 years repair or replace from the date of supply. The warranty shall include coverage of all internal parts and the supporting equipment.
 - **External Batteries:** For batteries connected to the UPS, the warranty should be at least ≥ 2 Years repair or replace from the date of supply, installation and acceptance.

The rates quoted should be **FOR Botany Department, P. U., Chandigarh. SPECIAL DISCOUNT** for educational institutions/University teaching department may be mentioned. **The technical, financial bids and EMD be enclosed in separate sealed envelopes** duly marked and placed together in a duly sealed envelope giving our reference and due date of quotation. It should reach to **Dr. S. K. Upadhyay, Principal Investigator Department of Botany, Panjab University, Chandigarh-160 014 by due date.** Warranty both parts labour should be minimum of two years.

Thanking you,

Yours sincerely,

(S. K. Upadhyay)
Principal Investigator