

Specifications of Online UPS

- **Capacity :** 20 KVA, **KW:** 18 KW
- **Redundancy:** Feature required as inbuilt to increase UPS capacity/avail redundancy in future
- **Technology:** True on-line double conversion UPS system using IGBT based rectifier & inverter, static bypass inbuilt
- **Input Power Factor:** ≥ 0.99
- **Input THDi:** $< 5\%$ at full resistive load
- **Display:** Should have LCD display for system activities, alarm. Should have data logging and event history.
- **Soft/Cold Start:** Should have Cold start facility with 100% load in the absence of utility power
- **Phase:** UPS should be 1phase Input/1Phase out and should have features to change 3 phase Input/1Phase Output
- **Input voltage:** 230VAC (1Phase)/400 VAC 3Phase Input, 4 wire (selectable)
- **Input voltage Variation:** Should able to handle voltage variation 176-276V
- **Input frequency:** 50 Hz, $\pm 10\%$
- **Output Voltage:** 220/230/240VAC Single phase $\pm 2\%$ or better
- **Efficiency:** $\geq 92\%$ (online Mode), High efficiency mode also required
- The UPS should be compatible with a battery bank of 288VDC (volt direct current) for 30 minute back up
- **Output voltage total harmonic distortion:** With Linear Load: $< 3\%$, with non-linear load: $< 5\%$
- **Communication:** RS232 required as standard. SNMP Card/MODBUS Card/BMS Card/ AS400 or Relay Card required as optional.
- **Protection:** Supplied UPS should be to protect power load from lightning and surge, spikes, harmonics variation, voltage sags overload, frequencies variation, inverter output short circuit protected, rectifier output short circuit protected and other power related disturbances.
- **Environment:** UPS should be able to operate in temperature 0 to 40°C or higher
- **Maintenance bypass:** Required
- **EPS Connector:** Emergency Power off connector Required
- **Call center:** UPS OEM should have operational call center with toll free number for ease of service call logging & automatic escalation. Number is to be provided in bid.

Eligibility Criteria

- Bidder should be Manufacturer/ Authorized Partner/ Reseller of the manufacturer and a Letter of Authorization from manufacturer for the same and specific to the tender should also be enclosed. The bidder should also be the Authorized Service Provider.
- Bidder should be financially sound to execute the order. Certificate to this effect should be issued by any nationalized/ scheduled bank showing its annual turnover of at least 25Lakhs each in the last three financial years.
- The Bidder shall provide the Registration number of the firm along with the LST/ CST/ WCT No. and the PAN Number issued by the concerned authorities.
- The bidder should enclose similar orders provided to various reputed Government Institutes/Research labs/ICAR/CSIR institutes throughout India in the last 5 years.
- Separate technical and price bid should be uploaded.
- Technical Bid must contain a Technical Compliance sheet. Technical compliance sheet must have the page number of a published catalogue/operating manual/manufacture website as proof for compliance with the instrument and accessories for each technical point. Relevant copies of catalogue/operating manual/manufacture website pages that have been listed as proof should be attached.
- All vendors are requested to attach original technical literature/ catalogue in support of the mentioned specifications & highlight the above features. The same features should be available in the company website.
- Price Bids should contain the prices, terms of delivery, sales, payment terms etc.
- The bidder must not be blacklisted by Delhi University. A Certificate or undertaking to this effect must be submitted.

- A copy of **ONLY** technical bid as uploaded on the website must be submitted to HOD Genetics, Department of Genetics, UDSC, Benito Juarez road, ND-21

No Commitment to Accept Lowest or Any Tender

- Demonstration of the equipment will be required if needed.
- University of Delhi shall be under no obligation to accept the lowest or any other offer received in response to this tender notice and shall be entitled to reject any or all offers. University of Delhi will not be obliged to meet and have discussions with any vendor, and or to listen to any representations.

Warranty /Comprehensive Maintenance

- Machine should be warranted for minimum 24 months.
- Installation and commissioning to be completed up to the satisfaction level of the technical purchase committee followed by training and handling by the bidders
- The vendor must supply a performance bank guarantee (PBG) valid for the entire warranty period at the time of installation.

Price quotation

- F.O.R. UDSC price to be quoted which includes clearance charges and transportation charges to site of installation and any other requirement for installation at site.
- IGST/CDEC will be provided.
- Payment will be made against successful installation.
- Validity of the quotation should be till 31st March 2020.
- Advance payment will not be entertained

Optional

- UPS 20KVA Eaton machine under buy back

Published Date: 02-03-2020 (09:00 Hrs)

Bid Document Download Start Date: 02-03-2020 (10:00 Hrs)

Bid Submission Start Date: 02-03-2020 (11:00 Hrs)

Bid Submission End Date: 07-03-2020 (17:00 Hrs)

Bid Opening Date: 09-03-2020 (11:00 Hrs)



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All the relevant documents related to tender can be found on CPPP portal