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DEPARTMENT OF PHYSICS
Centre of Advanced Study in Physics
PANJAB UNIVERSITY, CHANDIGARH-160 014 (INDIA)



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PHS 88-91

Dated: 06/01/2021

SPEED POST

Dear Sir,

Please quote your lowest rates in two bid system (Technical bid and financial bid) should be clearly written or typed (cutting avoided) for the items list attached given below, specifying make, quality, period of supply of each item along with detailed information and should reach the undersigned on or before **28.01.2021**.

1. **TECHNICAL BID and FINANCIAL BID should be in separate sealed envelope with 2% EMD.**
2. The bidders are requested to attach an EMD as demand draft of 2% of the total value of the quotation/performa Invoice in the name of "The Chairperson, Department of Physics, Panjab University, Chandigarh" **without EMD financial bids will not be entertained. However**, EMD is not required for quotation of the total value of Rs.1.0 lakh or below.
3. Panjab University does not take any responsibility for any postal delay in delivery by Registered/Speed post or lost in transit of quotation.
4. Conditional and unsigned quotation will not be accepted.
5. No payment will be made on the Performa Invoice.
6. The quotation shall not contain corrections, erasers and overwriting.
7. The undersigned reserves right to accept or reject any quotation without assigning any reason.
8. Rates quoted should be FOR Chandigarh. .
9. The rates for insurance, GST, should be clearly mentioned, original receipt for the insurance charges are required along with the bill of supply.

10. Panjab University has been issued GST Identification No.(GSTIN) i.e. 04AAAJP0325R2Z0 w.e.f. 1.7.2017.
11. As per FDO circular No.2572-2771/FDOI/F-143 dated 27.9.2017 GST deduction at source at the rate of 2% (CGST 1%+SGST/UTGST 1%) or (IGST 2%) from the payments to be made or credited to the supplier or taxable goods or services or both, where the total value of such supply under a contract exceeds of Rs. 2,50,000/- with reference to the Memo No. ACLA/EA/2017/379 dated 20.9.2017 conveying the instructions of Government of India Ministry of Finance Department of Revenue, Central Tax dated 15th September, 2017. These instructions shall apply to the supplies made/to be made w.e.f. 18.09.2017.
12. We have been exempted for paying Custom Duty as well as Excise Duty Exemption in terms of Govt. notification No.51/96-Customs dated 23.7.1996 and Central Excise Duty Exemption in terms of Govt. notification No.10/97-Central Excise dt.1.3.1997 as amended from time to time is valid upto 31.08.2020. Jt. Director General of Foreign Trade has issued a new Importer Export Code (IEC) No. 2217501658.
13. **Special Discount for educational institutions, University teaching department may be mentioned.**
14. The quotation in a sealed envelope giving our/ your reference No./ Date of quotation should be sent by POST /personally.
15. The quotations will be opened on **29.01.2021 at 3.00 P.M** and you may depute your representative at the time of opening of quotation.

Thanking you,

Yours faithfully,

(Prof. Rajeev K. Puri)

**Chairperson
Dept. of Physics
P.U., Chandigarh**


Description- 10 KVA online ups specification attached

Vyris

DEPARTMENT OF PHYSICS
PANJAB UNIVERSITY CHANDIGARH

1. UPS 10 KVA with following specification:-

Rating in KVA (KVA)	10.0 KVA
Technology	IGBT-PWM with inbuilt isolation transformer
Input Power	Three phase 300 V - 450V sinewave,50Hz
Output power	Single phase 230V +/-1% sinewave 50 Hz
Backup time (Minutes)	240
Minimum VAH (VAH)	48000
Warranty for UPS (Years)	5
Movable trolley for Batteries	Without trolley but with rack
Warranty for battery	3
Degree of Protection	IP20
Cabling 5 meters for input and out put	Without
Paralleling kit for synchronising	Without
Installation and Commissioning	Yes
Minimum thickness of M.S.Sheet Enclosure duly painted (mm)	1.2
Type of Battery	SMF-VRLA conforming to JISC:8702(Pt.I,II&III)
Maximum overshoot and Under shoot of output rated voltage	4
Voltage Regulation from no load to full load (%)	$< / = 3\%$
20% Overload limit for minimum 10 minutes	Yes
Overall Efficiency (%)	$> / = 90\%$
Total Harmonic Distortion(THD) (%)	Maximum 3%
50% Overload limit for minimum 1 minutes	No, only for 3 seconds
Protection for under voltage at battery terminal at 10.5V per 12 V battery	Yes


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P U..Chandigarh

Protection of Over voltage, Short Circuit & over load at UPS output terminal Yes

Digital Metering in UPS for AC Input Voltage, Output AC Voltage, Current, Frequency, Battery Voltage and Current Yes

Indicators for mains presence, Battery charging and discharging, Output Over Load, Low Battery Voltage Yes

Reports And Certification


Damp Heat : in accordance with IS:9000(part 5/sec.2)1981 at Temperature of 40 degree C, two cycles of (12+12) hours each 2007)

Dry Heat Test : in accordance with IS:9000 (part 3/sec.5)1977 (reaffirmed 2007) at 55 degree C for 16 hrs

Cold Test : in accordance with IS:9000 (Part 2/Sec.4)1977 (Reaffirmed 2007) at -10 degree C for 4 hrs.

Availability of the Type Test Report from Central Govt. /NABL/ILAC Accredited lab covering all technical requirements.

2. UPS Batteries (12 V 100 AH)- 40 Nos with charger of 20 amp under buyback battery bank (12 V 65 AH) = 48 nos.


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