যাদবপুর বিশ্ববিদ্যালয়
কলকাতা-৭০০০৩২, ভারত

JADAVPUR UNIVERSITY
KOLKATA-700032, INDIA

FACULTY OF SCIENCE : DEPARTMENT OF CHEMISTRY : INORGANIC SECTION

ENQUIRY NO:CHEM/AC/01/Project SERB/EMR/2017/001333

DATE: 24/01/2019

Dear Sir

I shall be pleased to receive your lowest possible quotation in a sealed cover with your ENQUIRY NUMBER and the due date duly super scribed on the COVER and on the face of the cover latter for the supply of the under mentioned good or the article subject to the TERMS and CONDITIONs outlined below

LAST DATE FOR THE SUBMISSION OF QUOTATION IS 08.02.2019 (WITHIN 05:00pm) in the office/lab of Dr. Debajyoti Ghoshal, 1St floor, Chemical Engg. Building.

Particulars	**Quantity**
Online 6 KVA UPS with following specification	1

Technology: DSP controlled IGBT based double conversion Online VFI True On-line Built-in Isolation Transformer on the Inverter output (No external Isolation Transformer is accepted). Input & Output EMI filter

Input: Rated voltage 230 VAC single-phase + N
Voltage Range± 20%
Frequency Range 60 / 50 Hz ± 5%
PF >0.98

Battery Type Sealed Maintenance Free Lead-Acid
Make Exide Power Safe
Backup Time 30 Mins.
Minimum VAH 4990 VAH
Recharge Time 4-6 Hrs.

Output Number of Phase Single Phase
Voltage 230 V ± 1%
Frequency 50 Hz
Power Factor 0.9
Freq. Stability ± 0.05% (without AC input from mains)
THD <3% for linear load & <4% for non-linear load
Crest factor 4 : 1
Waveform Pure Sinewave
Overload capacity 125% for 10 mins., 150% for 30 seconds.

Efficiency AC to AC >90%

Transfer time power cut or Power on No break (0ms)

Environmental Operating temp. 0 – 40° C
Relative humidity <90% non condensing
Noise <55dB at 1 m

24/01/19

Dr. Debajyoti Ghoshal
Associate Professor
Department of Chemistry
Jadavpur University
Kolkata - 700032

দূরভাষ ২৪১৪-৬৬৬৬/৬১৯৪/৬৬৪৩/৬৪৯৫/৬৪৪৩এক্সটেনশন২৪৬৯
দূরবার্তা (৯১)-৩৩-২৪১৪-৬৪১৪/২৪১৩-৭১২১/২৪১৪-৬২১০

Website : www.jadavpur.edu
E-mail : registrar@jdvu.ac.in

Phone: 2414-6666/6194/6643/6495/6443 Extn. 2469
Fax: (91)-33-2414 6414/2413-7121/2414-6210

Indications LCD Display Input-Output Voltage & Freq., temp., charging & discharging current, load current percentage LED light Fault Indicator, Load indicator, Bypass Indicator, Inverter Indicator, Battery Indicator

Mimic Display Mimic diagram should be provided to know the status of the rectifier, inverter, battery and output.

Alarm Utility disconnect
Battery exhausted
Overload Buzzer beeps once every 4 seconds
Buzzer beeps once every one second
Buzzer continuously beeps
Back feed Protection To be installed in series with the Bypass SCR
Fault Indication In the event of an UPS fault, UPS should enters fault operation mode, the buzzer should beeps continuously and the data information area should shows fault code
Comm. Software RS 232 / RS 485 UPS monitoring & auto shutdown software
Misc. Neutral and Ground should be having the same potential and this should be achieved with proper circuitry / PCB
General & safety Standards The system complies with the following Safety & International standards:
CEI EN 62040-1, EN 62040-2, IEC 62040-3
Quality Certification ISO 9001:2015; ISO 14001:2004; ISO 50001 & OHSAS 18001:2007 (Copy must be attached)

NOTE

1. WARRANTY MUST BE MENTIONED IN YOUR OFFER OF THE ABOVE TERM
2. PARTY IS REQUESTED TO KEEP IN TOUCH WITH THE DEPARTMENT OF THE CHEMISTRY, JU (DR. DEBAJYOTI GHOSHAL). BEFORE QUOTING THE RATE FOR BETTER KNOWLEDGE OF SPECIFICATION AND THE QUALITY OF THE MATERIALS

Yours faithfully,

24/01/19

Dr. Debajyoti Ghoshal
Associate Professor
Department of Chemistry
Jadavpur University
Kolkata - 700032

দূরভাষ ২৪১৪-৬৬৬৬/৬১৯৪/৬৬৪৩/৬৪৯৫/৬৪৪৩ এক্সটেনশন ২৪৬৯
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