

**THE UNIVERSITY OF BURDWAN
RAJBATI, BURDWAN 713104, WEST BENGAL**

Tender Notice

No. SERB PROJECT/MATHS/AG/2019/5

DATE: 11-02-2019

Sealed quotations are invited (in two-bid system – Technical bid and Commercial bid) from reputed manufacturer/authorized distributors for taking rates for the supply and installation of one On-Line UPS in the Department of Mathematics at Golapbag campus of The University of Burdwan, for the on-going Science & Engineering Research Board (SERB) sponsored Research Project entitled “Theoretical studies on bound and resonance states of positronic atoms embedded in plasma” under the principal investigation of Professor Arijit Ghoshal (SERB FILE NO. EMR/2017/004985).

1. 2 KVA Double Conversion Topology Online UPS with Isolation Transforma

Sl no.	Component	Description	Complied (Yes/No)	Remark (if any)
1	Make & Model	To be specified		
2	Colour	Black		
INPUT				
3	Phase	1P - 1P		
4	Voltage Range	110 VAC - 300 VAC (Based on load percentage)		
5	Frequency	50/60 Hz(Auto Sensing)		
6	Power Factor	0.99		
7	Inbuild Isolation Transforma	Required at Input Side		
OUTPUT				
8	Voltage	220VAC / 230VAC / 240VAC		
9	Voltage Regulation	+ / - 1%		
10	Frequency	50 / 60 Hz + /-.1 Hz		
11	Synchronization Range	47.5 Hz / 52.5 Hz		
12	Voltage Distortion	<2% (Linear Load) < 5% (Non-Linear Load)		
13	Output Waveform	Pure Sine Wave		
14	Efficiency (AC -AC)	Up to 92%		
15	Power Factor	0.8		
16	Backup Time	15-30 min.		
17	Required VAH	1632 vah (17ah - 12v × 8 nos. battery)		
18	Battery Type	Sealed Lead Acid Maintenance Free		
19	Warranty on UPS & Battery	2 years onsite on UPS and Battery		
20	DC Voltage	Min 36V		
FEATURES				
21	Converter Mode	Available		
22	Bypass Parameters Configuration	Available		
23	DC BUS Voltage	Adjustable		

GENERAL				
24	Operating Temperature	0 to 40 ° C Continuous		
25	Display & Indication	LCD Display		
26	Noise Level	< 55 dB at 1 mtr.		
COMMUNICATION INTERFACE				
27	Standard	RS 232		
28	Intelligent Slot	Optional - SNMP / MODBUS / Dry Contacts		
29	Safety	EN / IEC 62040 - 1		
30	EMI / EMC	EN / IEC 62040 – 2		
31	Performance	IEC 62040 – 3		
32	Certificate Required	CE , ISO 9001, ISO 14001, OSHAS 18001		

The quoted price (in Indian rupees) must include all taxes and other applicable charges (GST must be put separately). The authority reserves the right to accept or reject any or all the quotations without assigning any reason or any correspondence whatsoever.

Duly sealed envelope containing sealed “Technical bid” (in the above format) and sealed “Commercial bid” along with OEM authorization letter and all relevant documents must be submitted. Both, “Technical bid” and “Commercial bid” must be kept in a single sealed envelope superscribed as “Quotation for SERB sponsored research project (SERB FILE NO. EMR/2017/004985)” and submitted to the undersigned on or before February 27, 2019 between 11.00 am to 4.00 pm. in working days.

Prof. Arijit Ghoshal
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