Murshidabad College of Engineering & Technology
Berhampore
(Under the Society of MCET & HRD)
(Society Reg.No. S/88513 of 1997-98 UNDER W.B. SOCIETY ACT XXVI OF 1961)
Banjetia, Berhampore, P.O. Cossimbazar-Raj, Dist : Murshidabad, West Bengal, Pin-742102

Ref. No..... Date 23/4/2023

Notification for invitation of quotation for one

20 KVA UPS

Murshidabad College of Engineering & Technology hereby invited quotations from interested suppliers for procurement of one new 20 KVA UPS.

The quotation should be drop in the following format mentioning:

1. Supplier Name
2. Supplier Address
3. Supplier PAN No.
4. Supplier GST Number
5. Description :

Sl. no.	Item	Description	Quantity	Quoted rate	Quoted amount
1	20 KVA online UPS		1		
2	Battery Set 26 AH (30 min backup)		52		
Total					

Msd College of Engg & Tech ESTD-1998 Berhampore Msd

Terms and condition:

1. Supplied item should be as per technical specification given in Annexure A.
2. Job should be complete within 7 days after issuing work order.
3. Payment will be made after full completion of job.
4. Last date of quotation submission is 8th May , 2023

Date: 22.04.2023
Place: Berhampore

Raja Sarkar
23/04/2023
Principal - in-Charge
Murshidabad College of
Engineering and Technology

Ph. No : (03482) 258145, Fax (03482) 277267, Website : www.mcetbhb.net, E-mail : mcet696@gmail.com

ANNEXURE - A

TECHNICAL SPECIFICATIONS

CAPACITY	1kVA / 0.9kW	2kVA / 1.8kW	3kVA / 2.7kW	5kVA / 4.5KW	6kVA / 5.4KW	7.5kVA / 6.75KW	10kVA / 9KW	7.5kVA / 6.75KW	10kVA / 9KW	15kVA / 13.5KW	20kVA / 18KW
Parameter											
INPUT	1 ph							3ph			
Phase	Single phase with ground (L-N-G)							Three phase with ground (R-Y-B-N-G)			
Voltage Range	110VAC - 300VAC (based on load percentage)							190VAC-478VAC (based on load percentage)			
Frequency	50/60 Hz (auto sensing)										
Power Factor	*>0.99, ≥0.95 (above 25% load)										
THDi	<5% with full load[1]										
BYPASS											
Voltage Range	200 VAC (2) / 208 VAC (2) / 220 VAC / 230 VAC / 240 VAC										
Frequency Range	45-55Hz / 55-65Hz										
OUTPUT											
Design PF	0.9										
Voltage	200 VAC[1] / 208 VAC[1] / 220 VAC / 230 VAC / 240 VAC										
Voltage Regulation	+/-1%										
Frequency	50/60 Hz + /-0.1Hz (free running mode)										
Synchronization Range	45-55Hz / 54-66Hz[3]					46-54Hz / 54-66Hz[3]					
Voltage Distortion	≤2% (linear load)										
	≤5% (non-linear load)										
Output Waveform	Pure sine wave										
Crest Factor	3:1										
Efficiency (AC - AC)	Up to 90%					Up to 93%				Up to 94%	
OVERLOAD	1 - 3kVA					5 - 10kVA				7.5 - 20kVA	
	110% - 10min					125% - 10 min				110% - 5min	
	130% - 1min					150% - 1min				130% - 1min	
	150% - 10sec									150% - 10sec	
BATTERY											
Battery Type	Sealed Lead Acid Maintenance Free, Lead Acid Tubular (battery AH and quantity depending on backup time)										
DC Voltage	36V DC		96V DC			240V DC				288V DC	
Charger	Build-in solid state three stage recharge (constant current, constant voltage with float charge) and with temperature compensation										
Parallel Function (optional)											
GENERAL											
Operating Temperature	0 to 45 deg. C										
Noise Level	50 dB at 1 meter					<55 dB at 1 meter					
Display & Indication	LCD display										
Status LED								Normal mode / Load on battery / Load on bypass / System fault			
Audible Alarm	Mains Failure alarm, Low Battery alarm, UPS Warning, Overload, Fault & Bypass mode, etc.										
COMMUNICATION INTERFACE											
Standard	RS 232 / USB port for software interface (any one can be used at a time)										
Intelligent Slot	For SNMP (optional)										
Dim (mm) & Wt (kg)											
Weight	7**/27	18**/39	19**/44	45	58	60	70	120	140	165	175
Floor Model (W x D x H) Without Galvanic Isolation	145 X 460 X 235	193 X 465 X 347		322 X 660 X 820		322 X 700 X 820		352 X 690 X 985		352 X 660 X 1090	
Floor Model (W x D x H) with Galvanic Isolation	203 X 450 X 390	223 X 465 X 600		322 X 660 X 820		322 X 700 X 820		352 X 690 X 985		352 X 660 X 1090	

Note : As Standard specification and designs change from time to time, Please ask for conformation of information given in this publication.

1. Source vTHD must be <2% (with nominal input 230V)
2. Derate to 90% with 200 & 208 VAC output voltage
3. Output frequency is synchronized with bypass source. If bypass source is a failure, the output frequency of UPS will go to free-run mode.

* At Nominal input voltage | Product specifications are subject to change without prior notice.
** Without Isolation Transformer.
Product certified by BIS up to 5kVA

The specification is suitable for my purpose
12-04-2023