

**UNIVERSITY OF NORTH BENGAL  
TENDER NOTICE**

Sealed quotations are invited for supply and installation complete of **Online UPS (6KVA/6k 1In-1out)**, interested suppliers / vendors are requested to submit their quotation of rates along with self-attested copies of Trade License, PAN, GST MAF within 18.03.2025 up to 12 noon. The quotation(s) are to be submitted to the office of the UGC- MMTTC, University of North Bengal.

**Terms & conditions**

1. The rate shall be inclusive of all Taxes.
2. Quotations should be valid at least 03 months.
3. Delivery and installation should be made within 7 (Seven) days of the issuing the supply order.
4. The University Authority reserves the right to accept or reject any/ all quotations without assigning any reason and shall not be bound to accept the lowest quotation.

Registrar (Addl Charge)  
University of North Bengal

Advt. No. 93/R-2025  
Date: 10.03.2025

	Parameters	Specification
	Rating	6KVA/6kw 1In-1out
System parameter	Technology	IGBT based Double conversion PWM based online UPS
	Parallel mode	4 (N+1)
	Installation mode	Rack/Tower
Input	Rated voltage	230vac 1-Phase ,3 wire
	Volatge Range	176VAC -287VAC at full load, 100VAC to 287VAC at half load
	Rated Frequency	50Hz/60Hz
	Frequency Range	40Hz ~ 70Hz
	Power factor	0.99
OUTPUT	Rated power	6KVA/6kw
	Voltage	Single phase, 230VAC
	Frequency synchronization range	Rated frequency±3Hz. Configurable range: ±0.5Hz ~ ±5Hz
	Rated Power Factor	Unity
	Crest Factor	3:1'
	Voltage harmonic distortion	< 2% (linear load)
	Voltage Regulation	1%
	Dynamic response recovery time	60ms
	Inverter Overload Capability on utility mode	At 25°C: 105% ~ 125%- 5min; 125% ~ 150%- 1min; 150%- more than 200ms
	Programmable Outlet	Avaialble
	Inverter Overload Capability on battery mode	At 25°C :105% ~125%-60~ 30 s; >125%- more than 200ms
Bypass	Seprate bypass	No
	Static bypass	Inbuilt
Efficiency	ECO Mode	96%
	Online mode (AC-AC)	> 95%

	Inverter Efficiency(DC-AC)	>92%
	Battery charging capacity	5A
Transfer Time	Mains - Battery	0ms
	Inverter-Bypass	Synchronous transfer: ≤0ms
		Asynchronous transfer (default): ≤20ms
Noise		<65db
Panel display mode	Display type	Gravity sensor display
	No of events stored	Max 256
	Orientation	Gravity sense
Environmental parameter	Operating temperature	0°C ~ 50°C
	Storage temperature	-40°C ~ +70°C (battery excluded); -25°C ~ +55°C (battery included)
	Relative humidity	5%RH ~ 95%RH, non-condensing
	Altitude	≤3000m; derating when higher than 3000m
Mechanical parameter	W*D*H (mm)	430 X 450 X 85
	Weight (Kg)	11
	Ventilation	Forced -air cooled
	Ingress protection level	IP20
	Color	Powder coated Black Texture finish
	Cable entry	Rear
Network Management	Smart RS232/USB	Supports Windows 2000/2003/XP/Vista/2008, Windows 7, Linux, unix and MAC
	SNMP	Inbuilt for web monitoring
	MODBUS	Inbuilt for BMS connectivity
	Remote alarm	Inbuilt
	Optional SNMP	Power management from SNMP manager and web browser
	Management software	Site monitor
	Modbus	Inbuilt via multifunction port
Certifications	Safety (CE)	IEC/EN62040-1-1
	Electromagnetic Compatibility(EMC)	IEC/EN62040-2, IEC/EN61000-3-11, IEC/EN61000-3-12, YD/T1095-2008
	Surge Protection	IEC/EN62040-2, meeting IEC/EN61000-4-5
	Energy star	As per UL approved
	ROHS	Yes
	Service center in Siliguri	Yes
	Quality standard	IS 9001-2015
	Environment standard	ISO 14001
	OSHAS	ISO 45001
IT security management	ISO 27001	
Test report	NABL Approved Government lab test report	YES , Bidder has to submit NABL test certificate of the quoted model.
Authorisation	MAF	Bidder has to submit tender specific manufacturers Authorization (MAF) to bid