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MAHAVIR CANCER SANSTHAN **RESEARCH CENTER**

Tender Ref. No. PD/150

Date:- 20.07.26

Quotations are invited from reputed supplier manufacture for the item below. Interested parties may send quotation in sealed envelope by regd. Post, courier or drop it to the tender box which is kept in Room No. 03, Ground Floor, A-Block, of Mahavir Cancer Sansthan, Phulwari Sharif, Patna. The terms & Conditions should be mentioned in the quotation addressed to the Director, Mahavir Cancer Sansthan, Phulwari Sharif Patna-801505, within 10 Days from the date of issue of this advertisement. The tender number should be mentioned on the envelope.

The Sansthan reserve the right to chance the Tender/Quotation at any stage without showing any reason thereof.

<u>SR NO</u>	<u>DESCRIPTION ITEMS</u>
1	1KVA UPS & Battery, Accessories, installation + old battery buy back cost.
2	2KVA UPS & Battery, Accessories, installation + old battery buy back cost.
3	3KVA UPS & Battery, Accessories, installation + old battery buy back cost.
4	5KVA UPS & Battery, Accessories, installation + old battery buy back cost.
	(Bidders shall quote all ratings.)
	Technical Specification
	• Online Double Conversion Technology
	• DSP Controlled
	• True Online UPS
	• IGBT Based Rectifier & Inverter
	• PWM Technology
	Input Specifications:

	• Input Voltage : 160-300 VAC
	• Input Frequency : 45-55 Hz
	• Input Power Factor : ≥ 0.99
	• THDi $\leq 5\%$
	• Single Phase Input
	Output Specifications:
	• Output Voltage : 230 VAC $\pm 1\%$
	• Output Frequency : 50 Hz $\pm 0.1\%$
	• Pure Sine Wave Output
	• Single Phase Output
	• Voltage Regulation: $\pm 1\%$
	• Frequency Stability : $\pm 0.1\%$
	Efficiency:
	• AC Mode : $> 92\%$
	• ECO Mode : $> 96\%$
	Overload Capacity:
	• 110% Load : 10 minutes
	• 125% Load : 1 minute
	• 150% Load : 30 seconds
	Crest Factor:
	• 3.1 minimum
	Transfer Time:
	• Zero milliseconds (Online Mode)

	Battery Specifications:
	• SMF VRLA Maintenance Free Batteries
	• Minimum 30 Minutes Backup at Full Load
	• Battery Design Life : Minimum 5 Years
	• Battery Make:Exide, Amaron Quanta, Rocket, Equivalent approved make
	Battery Rack:
	• Powder Coated MS Battery Stand
	• Heavy Duty Construction
	• Proper Ventilation
	• Battery Interconnection included
	Display:
	• LCD Display showing:
	• Input Voltage
	• Output Voltage
	• Battery Voltage
	• Load Percentage
	• Battery Backup
	• Frequency
	• Alarm Status

	• Fault Status
	Protections:
	• Input Over Voltage
	• Under Voltage
	• Output Short Circuit
	• Overload

	• Battery Deep Discharge
	• Battery Reverse Polarity
	• Over Temperature
	• Surge Protection
	• Lightning Protection
	Communication:
	• USB Port
	• RS-232
	• Dry Contact
	• SNMP Slot (Optional)
	Audible Alarms:
	• Battery Low
	• UPS Fault
	• Overload
	• Mains Failure
	• Battery Failure
	Environmental Conditions:
	• Operating Temperature : 0°C to 40°C
	• Humidity : 0-95% Non-condensing
	• Noise Level: Less than 50 dB

	Accessories:
	• Battery Bank
	• Battery Stand
	• UPS Stand
	• Input Cable

	• Output Cable
	• Battery Interconnection Cable
	• Earthing Cable
	• MCCB/MCB Protection
	• Installation Accessories
	• User Manual
	• Test Certificate
	Installation - The bidder shall provide:
	• Complete Installaton
	• Testing
	• Commissioning
	• Demostration
	• User Training
	Quality Standars:
	• UPS shall comply with:
	• IEC 62040
	• IS 16242
	• CE Certified
	• ISO 9001 Manufacturer
	• RoHs Compliant
	Approved Makes:
	Any one of the Following:
	• APC by Schneider Electric
	• Vertiv (Emerson)

	• Numeric
	• Eaton
	• Delta
	• Socomec
	• Riello
	• Consul Neowatt
	• Fuji Electric
	• Equivalent approved make
	Warranty:
	• UPS : Minimum 2 Years Comprehensive Warranty
	• Battery : Minimum 2 Years Warranty
	Defect Liability Period (DLP):
	• 12 Months from the date of successful commissioning.

Blind 20/11/20
DIRECTOR(ADMIN)