

Item 7: 12U Wall Mount Rack

Item No.	Minimum Specification		Complied (Yes/No)	If Yes Bidders Response/ Reference Page	If No Bidders Response/ Reference Page
1	Brand	(Specify)			
2	Model	(Specify)			
3	Country of Origin	(Specify)			
4	Country of Manufacture	(Specify)			
5	Year of manufacture	(Specify)			
6	Type	Wall Mount Rack			
7	Rack Cooling	Minimum two (2) Cooling fans should be installed or higher			
8	Cable Exits	Should have bottom cable Exits			
9	Power Strip	6 Total outlets Power Strip for 19" vertical mounting			
10	Static / Stationary Weight Capacity	200 lb or higher			
11	Rack Height	12U			
12	Rack Width	19" equipment mounting Cabinet			
13	Dimension of rack (W x H x D)	Specify			
14	Accessories	Wall mount kit			
		Wall mount cabinet parts			
		Installation guide			
15	Power consumption	(Specify)			
16	Install and Configuration	The Technical team should install and configure the 12U Wall Mount Rack Enclosure Cabinet as per the purchasers' request and to other systems simultaneously.			
17	Product experience	12U Wall Mount Rack Enclosure Cabinet brand shall be produced under the same brand for at least for last 5 years.			

Item No.	Minimum Specification		Complied (Yes/No)	If Yes Bidders Response/ Reference Page	If No Bidders Response/ Reference Page
18	Warranty	3 years comprehensive on-site manufacturer authorized warranty for unit, inclusive of replacement of all defective parts free of charge.			

Sample Document

Item 8: 44 U Network Rack

NO	FEATURE DESCRIPTION	REQUIRMENT		" COMPLIED" OR NOT COMPLIED	REMARK
1	Make :-	Please Specify			
2	Model :-	Please Specify			
3	Country of origin:-	Please Specify			
4	Size of the Rack :-	Internal -	Usable Height - 44U		
		External -	(W800 x H2100 X D1000)mm		
5	Standard :-	Should be comply with IEC 297 Standard			
6	Rack Structure :-	Should be a bolted type structure for easy assemble or dismantle,			
		including five bended type vertical colums for extra strength & it is			
		made from 1.2mm EG sheets. This should be capable to load 900kg			
		safely.			
7	Doors & Covers :-	Doors -	Lockable perforated mesh door		
			should be easy screw less		
			mounting & removing Facility		
		Side Covers -	lockable & Should be screw less		
			easy mounting & removing facility.		
8	Mounting Rails :-	should comply with 19" standard equipment mounting & "U" markings			
		mounting & it should adjustable to front or back.			
9	Ventilation :-	Top -	Fan plate with 3 nos fans		
			230V AC 440x130mm 50Hz		
		Bottom -	Louver Plate		
10	Cable Entry :-	Cable Entry Plate for bottom.			
		Self Sealing cable entry for Top			

11	Power :-	Remote power switch	08 Ports x Power socket PC / Management Software Cascade interface-rj45 6 Amps Per Port Rack mountable Currant Overload Protection		
		For Other		19" Rack mountable type 6 way power panel	
		Equipment -	with 13A		
12	Equipment Mounting :-	2Nos - Fixed Shelf 19" x600mm			
		Should be included			
13	Accessories:-	Clip nut-30 Nos.			
		Screws & Washers - 30Nos			
14	Rack Jointing :-	Rack Structures should be couple as a single unit			
	(if required in future)	using jointing brackets & Screws. Cable path should be clear between the rack.			
15	Powder Coating :-	All parts of the rack should be Epoxy Polyester powder coated to coating thickness of 60-80 Microns. Color should be black RAL 9005			
16	Rack Leveling :-	4 Nos Adjustable feet should be supplied with the structures.			
17	Earthing :-	Doors & Covers should have earth stud to earth with Structures & separate earth bar should be include for equipment earthing.			
18	Cable Management :-	2 Nos Cable Ladder for vertical cable Management.			
19	Warranty :-	One year for fan units & PDUs, 5years for structure ,doors & covers & other all accessories.			
20	Required Documents	Product Broachers.			
		Test report for above load factor			
		Manufacturer Authorization Letter			

Item No 09 : Online 1 kVA UPS

Minimum Technical Specification			Complied (Yes/No)	If Yes Bidders Response/ Reference Page	If No Bidders Response / Referenc e Page
1	Make				
2	Model				
3	Country of Origin &				
4	Country of Manufacture				
5	Manufacturer Authorization				
6	3 Years Comprehensive Warranty and Services				
7	Capacity	1kVA			
8	Form factor	Tower Model			
9	Display/Auditable	Should consist of a LCD			
10	UPS Type	Online double conversion			
11	Input				
	11	Voltage	220/230V single phase		
	11	Mains connection	13 A		
	11	Rated frequency	50/60 Hz with automatic		
12	Output				
	12	Voltage	220/230 V (Selectable)		
	12	Backup Time	At least 20 minutes		
	12	Output Type	2 No's of Universal Sockets		
13	Battery Type		Sealed lead-acid maintenance free with expected life of at		
14	External Battery Socket		Available		

15	Emergency Power Off (EPO)	Available			
16	Computer Interface	USB			
17	Power Factor	0.9 or better			
18	Current Harmonic	< 3 or better			
19	Safety Standard	EN 62040-1 or equivalent			
20	EMC Standards	EN 62040-2 or equivalent			
21	Operating ambient temperature	From 0 °C to +40 °C			

Item 10: Rack Mountable online 3 kVA UPS

Minimum Technical Specification		Complied (Yes/No)	If Yes Bidders Response/ Reference Page	If Yes Bidders Response/ Reference Page
1	Make			
2	Model			
3	Country of Origin &			
4	Country of Manufacture			
5	Manufacturer Authorization			
6	3 Years Comprehensive Warranty and Services			
7	Capacity	3kVA		
8	Form factor	Rack mount Model		
9	Display/Auditable Features	Should consist of a LCD		
10	UPS Type	Online double		
11	Input			
	11 Voltage	220/230V single phase		
	11 Mains connection	Hardwired		
	11 Rated frequency	50/60 Hz with automatic		
	11 Generator Support	Supported		
12	Output			
	12 Voltage	220/230 V (Selectable)		
	12 Backup Time	At least 20 minutes		
	12 Connection	Hardwired		
13	Battery Type	Sealed lead-acid maintenance free with		
14	External Battery Socket	Available		

15	Emergency Power Off (EPO)	Available			
16	ECO Mode	Available			
17	Computer Interface	USB			
18	Power Factor	0.9 or better			
19	Parallel Redundancy	N + X Support			
20	Current Harmonic	< 3 or better			
21	Safety Standard	EN 62040-1 or			
22	EMC Standards	EN 62040-2 or			
23	Operating ambient temperature	From 0 °C to +40 °C			

Item 11: Cables and Cable Accessories

11.1. Cat 6 Copper Cable

	Description	Specification	Complied (Yes/No)	If Yes Bidders Response/ Reference Page	If No Bidders Response/ Reference Page
1	Country of Origin				
2	Country /place of Manufacture				
3	Brand Name				
4	Model Number				
5	Performance Standard	ISO/IEC 11801, IEC 61156-5, and TIA/EIA 568-B.2 , 568-B-2-1.			
6	Construction characteristics				
6.1	Type of cable	U/UTP			
6.2	Outer sheath	PVC			
6.3	Screen	Unshielded			
6.4	Colour	specify			
7	Dimension				
7.1	Minimum outer Diameter	specify			

7.2	Maximum outer Diameter	specify			
7.3	Conductor cross-section (AWG)	23 AWG full copper			
7.4	Outer diameter	specify			
7.5	Weight	specify			
8	Electrical characteristics				
8.1	Characteristic impedance	specify			
8.2	Transmission characteristics				
8.3	Velocity of Propagation	specify			
8.4	Propagation delay. Max.100 MHZ	specify			
9	Usage characteristics				
9.1	Category	CAT.6			
9.2	Range	specify			
9.3	Minimum static Operating bending radius	specify			
9.4	Minimum dynamic Operating bending radius	specify			
9.5	Fire load	specify			
9.6	Ambient installation temperature, range	specify			
9.7	Operating temperature, range	specify			
9.8	Flame retardant	IEC 60332-1			
9.9	System Warranty	25 Year Comprehensive Warranty			

11.2. Cat 6 Patch Panel

	Description	Specification	Complied (Yes/No)	If Yes Bidders Response /Reference Page	If No Bidders Response/ Reference Page
1	Country of Origin				
2	Country /place of Manufacture				
3	Brand Name				
4	Model Number				

5	Performance Standard	ISO/IEC11801:2002.			
6	Solid Wire	From 22 to 24 AWG			
7	Type of cable	UTP			
8	Installation				
8.1	Colour code	T568A or T568B.			
9	Construction characteristics				
9.1	Connector type	RJ45 connector			
10	Dimensional characteristics				
10.1	Height unit	1 U			
10.2	Depth	specify			
11	Usage characteristics				
11.1	Category	Cat. 6			
11.2	Component function	Patch panel			
11.3	Number of ports	24			

11.3. Keystone Connector

	Description	Specification	Complied (Yes/No)	If Yes Bidders Response/ Reference Page	If No Bidders Response/ Reference Page
1	Country of Origin				
2	Country /place of Manufacture				
3	Brand Name				
4	Model Number				
5	Installation				
5.1	Colour code	T568B or T568A.			
5.2	Solid core Cables	24, 23 and 22 AWG			
6	Construction characteristics				
6.1	Screen	No			
6.2	Connector type	RJ45 and Tool-less			
7	Dimensional characteristics				

7.1	Width	specify			
7.2	Height	specify			
7.3	Depth	specify			
8	Usage characteristics				
8.1	Number of ports	1			
8.2	Solid wire	From 24 to 22 AWG.			
8.3	Warranty	25 Years Comprehensive Warranty			

11.4. Cat 6 Patch Cord

	Description	Specification	Complied (Yes/No)	If Yes Bidders Response/ Reference Page	If No Bidders Response/ Reference Page
1	Country of Origin				
2	Country /place of Manufacture				
3	Brand Name				
4	Model Number				
5	Performance Standard	ISO/IEC 11801 and EN 50173.			
6	Design				
6.1	Standard Lengths	0.5,1m			
6.2	Light grey	PVC			
7	Dimensional characteristics				

7.1	Characteristic impedance	specify			
8	Usage characteristics				
8.1	Flame retardant	IEC 60332-1			

11.5. Single Faceplate

	Description	Specification	Complied (Yes/No)	If Yes Bidders Response/ Reference Page	If No Bidders Response/ Reference Page
1	Country of Origin				
2	Country /place of Manufacture				
3	Brand Name				
4	Model Number				
5	Application				
5.1	Standard	specify			
5.2	Color	White			
6	Design				
6.1	The Plastic Material	UL 94V-0.			