

Rack Servers Specification

Sr. No	Component	Description	Compliance to Specifications "Yes/No"	In case of non-compliance deviation from RFP to be specified in unambiguous terms
1	Form Factor	Rack Type 2U		
2	Processor Support	Support for two Intel® Xeon® processor E5-2600 or latest		
3	Processor	2x Intel® Xeon® processor E5-2620 (6C/12T 2.0GHz-15Mb-7.20GT/s) or latest		
4	Chipset	Intel® C600 series or latest		
5	Memory Type Support	Sixteen DDR3 DIMM sockets (1600/1333/MHz)		
6	Max. Memory Support	Up to 512 GB or higher		
7	Memory	32 GB DDR3 1333 REG ECC		
8	No. of PCI Slots	4 (Four)		
9	Controller	Support SSD,SAS & SATA drive		
10	HOST RAID Support	Onboard Host Raid support for SATA RAID 0,1 & 10		
11	HDD	2 x 300 Gb 6 Gbps 10K rpm 2.5" SAS Drive should be populated		
12	LAN	2* 10/100/1000 Gigabit Ethernet Ports		
13	Teaming Support	Teaming support feature required		
14	Drive Bays	Minimum 8*2.5inch HDD HS bay and 1*ODD bay		
15	DVD-RW	Slim drive		
16	No of Fans	Minimum 2 Fans required		
17	Power Supply	Two High-efficiency Power Supplies with one as redundant and hot swappable power supply		
18	Rear I/O Interface	1x VGA, 2x LAN RJ45, 6xUSB, 1*Serial Port		
19	Compliance -	PnP		

	PnP / PCI ACPI /USB	PCI - 2.3/ 3.0		
		ACPI – 2.0/ 4.0		
		USB - 2.0		
20	Server Management	Server management software		
		IPMI card Integrated with dedicated NIC		
21	OS Certifications	Windows 2008/2012 R2 or latest and RHEL		
22	Warranty	Three Years Standard On-Site Comprehensive Hardware Warranty		

Specification of 42 U RACK FOR SERVERS

Sr. No	Component	Description	Compliance to Specifications "Yes/No"	In case of non-compliance deviation from RFP to be specified in unambiguous terms
1	Basic Structure	The 19" floor standing rack		
		Width = Standard 19" Rack		
		Depth = 1000 mm (approx.)		
		Height = 42U		
2	Front & Rear Door	The front & rear door shall be fully perforated, shall have hinges handles and locks		
3	Side Panels	The two side panels shall have quick release fasteners / latches		
4	Ventilation	The rack shall have proper exhaust / ventilation using at least 4 fans housing units on top of the rack		
5	Blanking Plates	Blank spaces (on front side) shall have 1U blanking plates to fill up all the remaining gaps.		
6	PDU	The rack shall have at least 2* 7.3kVA power distribution unit with sufficient C13 Outlets and extension bars		

Sr. No	Function	Specification	Compliance to Specifications "Yes/No"
	Nominal Input Voltage	208VAC/220VAC/230VAC/240VAC	
	Input Voltage window	110VAC~276VAC	
	Input Power Factor	0.99	
	Frequency Range	For 50 Hz Nominal 45-55Hz(+_5%)	
	Phase	Single Phase with Ground	
	Efficiency at Full Load	above 92%	
	Voltage Regulation	< 5% of full load	
	Freq. Sync Range	45-55Hz/54-66Hz	
	Freq. Bat Mode	50/60Hz +_0.05Hz	
0	Output Waveform	Pure Sine Wave	
1	Overload Regulation	Yes	
2	User Interface	Visual [LCD Display]	
3	Regulatory Approvals	CE,CSA,FCC Part 15 Class A, UL 1778	
4	Standard Warranty	2 years repair or replace	
5	Battery Backup	4 Hours absolute battery backup at full load (10KVA)	
6	Maintenance free sealed Lead-Acid battery with suspended electrolyte	Leak proof	