

Technical Specification of Computer Server
Specification No. AIR Delhi/2/2022

Subject :Notice inviting comments on specification & Budgetary quote for Computer Server.

Office : AIR Delhi

Section: Engineering

File No: J-12013/38/2022-Engg-AIR Delhi (147024)

Please find attached a specification Computer Servers. It is being circulated for wider publication and making the specification industry friendly. It is requested that specification may be seen and any comments regarding modification of specification may please be forwarded.

It is also requested that budgetary quote may be provided for the specification.

Comments on specification & budgetary quote may be sent to E-mail (ddgenbh@prasarbharati.gov.in) latest by 07.01.2023.

Jitender Pruthi
DDG(AIR Delhi)

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TECHNICAL SPECIFICATION OF COMPUTER SERVER

Technical Specification of Computer Server

S.No	Technical Specifications		
1	CPU	Dual 8 core or higher processor.	
2	No. of CPU	Machine to be supplied with 2 Processors	
3	Memory Configuration	128 GB RAM and shall be scalable upto 256 GB.	
4	Storage Controller	PCI Based Storage controller support RAID 0/1/5/6.	
5	Bus slots	Server shall support upto 3 PCI-Express 4.0 slots, at least two x16 PCIe slots	
6	HDD Required	6x12TB SAS 7.2K 12 GBPS HDD or higher	
7	Network	Dual Port 16 GB Fibre Channel HBA+ 10G SFP + Quad Port 1 GBe Ethernet Ports	
8	Interfaces	3 standard USB 3.0 ports 1 front, 2 rear, 1 x VGA port	
9	Power	Dual Hot Plugable power supply	
10	Form Factor	2U Rack Mountable	
11	System Security	UEFI Secure Boot and Secure Start support	
		Advanced Encryption Standard (AES) and Triple Data Encryption Standard (3DES) on browser	
		Secure Recovery - recover critical firmware to known good state on detection of compromised firmware	
		Ability to rollback firmware	
		Bezel Locking Kit option	
		Chassis Intrusion detection option	
12	Server Management	Software shall support dashboard view to quickly scan the managed resources to assess the overall health of the data center. It shall provide an at-a-glance visual health summary of the resources user is authorized to view.	
		The Dashboard minimum shall display a health summary of the following:	
		• Server Profiles	
		• Server Hardware	
		• Appliance alerts	
		The Systems Management software shall provide Role-based access control	
		Management software shall support integration with popular virtualization platform management software like VMware vCenter & vRealize Operations, and Microsoft System Center & Admin Center	
		Shall help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD.	
Shall help to proactively identify out-of-date BIOS, drivers, and Server Management agents and enable the remote update of system software/firmware components.			
13	Indicators	System shall have feature of visual indicators (LED/LCD) for System Health, Network and Power.	
14	OS and Virtualization System Support with Certification	Microsoft Windows Server	
		Red Hat Enterprise Linux (RHEL)	
		SUSE Linux Enterprise Server (SLES)	

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	with Certification	VMware	
15	Redundancy	The System shall be supplied with Redundant Fans and Power Supplies.	
16	Certifications	ACPI 6.1 Compliant	
		PCIe 4.0 Compliant	
		Microsoft® Logo certifications	
		USB 3.1 Gen1 Compliant	
		Energy Star	
		SMBIOS 3.1	
		UEFI 2.6	
		IPMI 2.0	
		Secure Digital 2.0	
		Advanced Encryption Standard (AES)	
		Triple Data Encryption Standard (3DES)	
		SNMP v3	
		TLS 1.2	
Active Directory v1.0			
17	OS	Windows Server 2019 Standard 16 Core	
18	SQL Server	Microsoft SQL Server 2019 Standard Edition with 5 Device CALS	
19	Warranty	5 Years onsite.	