

File No. J-11018/2/2023-STUDIO DESIGN - P&D UNIT



प्रसार भारती/PRASAR BHARATI

भारत का लोक सेवा प्रसारक /India's Public Service Broadcaster

योजना एवं विकास एकक / Planning & Development Unit

आकाशवाणी भवन, संसद मार्ग /Akashvani Bhavan, Parliament Street

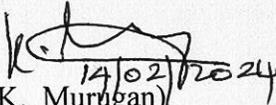
नई दिल्ली/New Delhi-110001

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दिनांक:Dated:14.02.2024

Subject: Publication of Draft Technical Specification for Server for seeking Vendors/ OEMs feedback and budgetary quote

1. Draft Technical Specification for Server is being uploaded to invite feedback from the Vendors/OEMs dealing with supply of such equipments. The interested parties are requested to provide comments/feedback on this technical specification.
2. Vendors/OEMs are also requested to provide availability of local content and percentage of local content in the offered equipment.
3. The budgetary price of the offered Server and associated equipment may also be submitted.
4. All these information may be provided by E-mail to “ airstudiodesign331@gmail.com “ on or before 26.02.2024


(K. Murugan)

(Dy. Director General(E-SD))
For Director General



PRASAR BHARATI / प्रसार भारती

DIRECTORATE GENERAL: ALL INDIA RADIO / आकाशवाणी महानिदेशालय

PLANNING AND DEVELOPMENT UNIT / योजना एवं विकास एकक

Technical Specification for Server

1. GENERAL

- 1.1 This specification is for Supply of 33 Nos of Server at Akashvani Kendras spread all over India .
- 1.1.1** The Hardware from OEMs having ISO certifications should only be offered.
- 1.1.2** Sever OEM should have authorized service centers across the country. List of Service Center along with their addresses, Telephone Numbers & E-mail addresses with Escalation Matrix should be provided along with Tender Document.
- 1.2 All the quoted products should be of field proven technology & OEM of the product should be in business for at least five years.
- 1.3 Incomplete offers will be rejected out rightly.

2. SCOPE OF THE TENDER

- 2.1 The Scope of this tender is for supply of Server at Consignee mentioned in Annexure-I.
- 2.2 The equipment shall be supplied at the concerned stations directly. The Bill of Material giving item-wise requirement is given at Annexure-I.

3. HARDWARE SPECIFICATION

3.1 Server

3.1.1 Servers shall have the following minimum configuration.

S. No.	Component	Description	Compliance (Yes/No)	Remarks
A.	Processor	Processor with 12 MB Cache, 8 Cores, base frequency 2.8 Ghz or better		
B.	No. of Processor	Two		
C.	Memory	256 GB DDR4 Expandable up to 1026 GB with at least 50% free DIMM Slot		
D.	Storage Controller	SAS 12 Gbps controller for SAS/SATA HDD's & SSD's that supports RAID 0,1, 5, 6 and 10 with dedicated 8 GB cache memory.		

E.	Hard Disk	6x12TB SAS 7.2K 12 GBPS HDD or higher		
E.	Network	Dual Port 16 GB Fibre Channel HBA+ Dual 10GB SFP + Dual Port 1 GBe Ethernet Ports		
F.	Form Factor	2 U Rack Mountable		
G.	System Fans	Hot Plug fans with N+1 redundancy		
H.	Graphics	Integrated Graphics Card		
	Expansion Slots	Minimum 2 PCIe x8 slot and Minimum 2 x16 slots		
I.	I/O Ports	3 standard USB 3.0 ports 1 front, 2 rear, 1 x VGA port		
	Management port	1 x dedicated 1 G management port with required license for entire support period		
J.	Power	Dual Hot Pluggable power supply		
K.	System Security	Chassis Intrusion detection option		
		Secure Boot and Secure Start support		
		Secure firmware updates		
		Bezel Locking Kit option		
		Secure BIOS Recovery		
		Malicious Code Free design (to be certified by OEM)		
L.	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 shall display minimum health summary of the following:		
		<ul style="list-style-type: none"> • Server Profiles 		
		<ul style="list-style-type: none"> • Server Hardware 		
		<ul style="list-style-type: none"> • 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.		
M.	Indicators	System shall have feature of visual indicators (LED/LCD) for System Health, Network and Power.		
N.	Redundancy	The System shall be supplied with Redundant Fans and Power Supplies.		
O.	Certification	<ul style="list-style-type: none"> • 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 		
P.	OS	Windows Server 2022 Standard 16 Core preloaded. (License copy to be supplied with each server)		
Q.	SQL Server	Microsoft SQL Server 2019 Standard Edition or latest version with 5 Device CALS preloaded. (License copy to be supplied with each server)		
	OS and Virtualization System Support with	OS- Microsoft Windows, Red Hat Linux and Ubuntu (Certification copy must be		

	Certification	attached)Virtualization should support to VMware/Red Hat Virtualization /Open Stack)		
R.	Warranty	5 Years onsite comprehensive OEM warranty.		

3.1.2 Display Wide Aspect 24” Full HD Monitor supporting Resolution of 1920x1080 (Professional ISO certified brand)

3.1.3 Keyboard USB Standard Black Keybord (English-IN)
(Professional ISO certified brand)

3.1.4 Mouse USB Optical scroll Mouse
(Professional ISO certified brand)

4. PRE-DISPATCH INSPECTION

Server shall be accepted on the basis of OEM Certification in compliance to specification. Necessary test certificates shall be supplied with Servers.

5. Warranty

Comprehensive onsite warranty shall be provided for trouble free operation of hardware for a minimum period of five years_from the date of supply.

List of Consignee with Bill of Material

Sr.No	Consignee	Server	TFT Monitor	Mouse + Keyboard
1.	Akashvani Kolkata	1	1	1+1
2.	Akashvani Patna	1	1	1+1
3.	Akashvani Ranchi	1	1	1+1
4.	Akashvani Cuttak	1	1	1+1
5.	Akashvani Itanagar	1	1	1+1
6.	Akashvani Guwahati	1	1	1+1
7.	Akashvani Imphal	1	1	1+1
8.	Akashvani Shillong	1	1	1+1
9.	Akashvani Aizawl	1	1	1+1
10.	Akashvani Kohima	1	1	1+1
11.	Akashvani Gangtok	1	1	1+1
12.	Akashvani Agartala	1	1	1+1
13.	Akashvani Chandigarh	1	1	1+1
14.	Akashvani Delhi	1	1	1+1
15.	Akashvani Rohtak	1	1	1+1
16.	Akashvani Shimla	1	1	1+1
17.	Akashvani Srinagar	1	1	1+1
18.	Akashvani Leh	1	1	1+1
19.	Akashvani Jalandhar	1	1	1+1
20.	Akashvani Jaipur	1	1	1+1
21.	Akashvani Lucknow	1	1	1+1
22.	Akashvani Dehradon	1	1	1+1

23.	Akashvani Port Blair	1	1	1+1
24.	Akashvani Vijaywada	1	1	1+1
25.	Akashvani Bengaluru	1	1	1+1
26.	Akashvani Thiruvananthapuram	1	1	1+1
27.	Akashvani Chennai	1	1	1+1
28.	Akashvani Hyderabad	1	1	1+1
29.	Akashvani Raipur	1	1	1+1
30.	Akashvani Bhopal	1	1	1+1
31.	Akashvani Panaji	1	1	1+1
32.	Akashvani Ahmedabad	1	1	1+1
33.	Akashvani Mumbai	1	1	1+1
34.	Total	33	33	33+33