

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

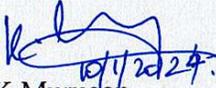
नई दिल्ली/New Delhi-110001

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

दिनांक:Dated:10.01.2024

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

In reference to above, the date for submission of Feedback and budgetary quote with regard to supply of Server, is being extended till 19/01/2024.The Vendors/OEMs dealing with supply of Servers may submit their reply by E-mail to “airstudiodesign331@gmail.com “ on or before 19.01.2024.


K.Murugan

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

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

दिनांक:Dated:11.12.2023

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 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 27.12.2023.

K.N. Pandey
11/12/2023

K.N.Pandey
(Asstt .Director (E-SD))
For Director General

के. एन. पाण्डेय /K. N. PANDEY
सहायक निदेशक (अभि.)/Assistant Director (Engg.)
योजना एवं विकास एकक /P & D Unit, DG:AIR
आकाशवाणी भवन / Akashvani Bhawan
नई दिल्ली / New Delhi



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.

| A. | Processor | Processor with 25 MB Cache, 16 Cores or better, speed 3.8 Ghz or better | Remarks |
|----|--------------------|---|---------|
| | No. of Processor | Two | |
| B. | Memory | 128 GB DDR4 Expandable up to 512 GB | |
| C. | Storage Controller | PCI Based Storage controller support RAID 0/1/5/6. | |
| D. | Hard Disk | 6x12TB SAS 7.2K 12 GBPS HDD or higher | |
| E. | Network | Dual Port 16 GB Fibre Channel HBA+ 10G SFP + Quad Port 1 GBe Ethernet | |

| | | | |
|----|-------------------|---|--|
| | | Ports | |
| F. | Form Factor | 1 or 2 U Rack Mountable | |
| G. | System Fans | Hot Plug fans(with N+1 redundancy | |
| H. | Graphics | Integrated Graphics Card | |
| I. | I/O Ports | 3 standard USB 3.0 ports 1 front, 2 rear, 1 x VGA port | |
| J. | Power | Dual Hot Plugable power supply | |
| K. | System Security | Chassis Intrusion detection option | |
| | | UEFI Secure Boot and Secure Start support | |
| | | Advanced Encryption Standard (AES) and Triple Data Encryption | |
| | | Bezel Locking Kit option | |
| | | Standard (3DES) on browser Secure Recovery - recover critical firmware to known good state on detection of compromised firmware | |
| 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 minimum shall display a health summary of the following: | |
| | | <ul style="list-style-type: none"> • 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. | |
| 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 Encrytion Standard (3DES) • SNMP v3 • TLS 1.2 • Active Directory v1.0 | |
| P. | OS | Windows Server 2022 Standard 16 Core with Hyper-V | |
| Q. | SQL Server | Microsoft SQL Server 2019 Standard Edition with 5 Device CALS | |
| R. | Warranty | 5 Years onsite. | |

3.1.2 Display

Wide Aspect 24" Full HD Monitor supporting Resolution of 1920x1080 (Same make as Server OEM)

3.1.3 Keyboard

USB Standard Black Keybord (English-IN)
(Same make as Server OEM)

3.1.4 **Mouse** USB Optical scroll Mouse
(Same make as Server OEM)

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.

Annexure-I

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 Dehradun | 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 |