

Government of Telangana
Information Technology, Electronics & Communications
Department (ITE&C)
SoFTNET, T-SAT Network

Dr. BRAOU Campus, Road No. 45, Jubilee Hills, Hyderabad – 500033

Date: 23.07.2025

TENDER NOTICE NO: ITE&C/SoFTNET/T-SAT/Network&Storage/02/2025

Invitation for Bids for Design, Supply, and Implementation of AV Networking & Archival Storage at Ground floor, Earth Station, T-SAT, SoFTNET, Govt of Telangana, Hyderabad

Sealed bids are invited from reputed and established manufacturers, authorized dealers, or partners of manufacturers for the **Design, Supply, and Implementation of AV Networking & Archival Storage room** for storing compelling digital content at the Ground Floor Earth Station, Edit Room & Production of the Administrative Block, T-SAT, SoFTNET, Govt of Telangana, Hyderabad.

The details of the tender specifications, pre-qualification criteria, bid submission guidelines, and terms & conditions are enclosed herewith as Annexures (Appendix A to F). The tender is open to all eligible vendors meeting the stipulated criteria.

Key details:

- **Tender Reference:** ITE&C/SoFTNET/T-SAT/Network&Storage/02/2025
- **Date of Issue:** 23.07.2025
- **Last Date & Time for Submission:** 28.07.2025, 5:00 PM
- **Date of Opening:** 29.07.2025, 11:00 AM (Technical bids)
- **Place of Submission & Opening:** Manager Broadcast, SoFTNET, T-SAT Network Office, Hyderabad

Bidders are requested to submit their offers in two separate sealed envelopes containing the Technical Bid and Financial Bid respectively, superscribing the tender number and subject as follows:

“Bid for Design, Supply & Implementation for AV Networking & Archival Storage – TENDER NO: ITE&C/SoFTNET/T-SAT/Network&Storage/02/2025”

Late submissions or incomplete bids will not be entertained and will be rejected outright. Further, bona fide bidders are advised to attend the opening of bids. Demo of products will be required as per the schedule after opening of the Technical Bids, before opening Financial Bids.

Tender documents and additional clarifications can be downloaded from the official website: <https://softnet.telangana.gov.in>.

We look forward to receiving your competitive bids and assure you of our fullest cooperation in the tender process.

Thank you.

Regards

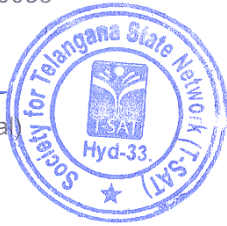
Executive Director

SoFTNET, T-SAT Network

Govt of Telangana

Hyderabad – 500033

(Signature & Seal)



TENDER NOTICE NO: ITE&C/SoFTNET/T-SAT/Network&Storage/02/2025

Sealed bids are invited from reputed/established vendors for Design, Supply, Implementation and for AV Networking & Archival Storage room for Storing compelling digital content to the Ground Floor at Earth Station, Edit Room & Production of Administrative Block, T-SAT, SoFTNET, Govt of Telangana, at Hyderabad. The tender is open to all the manufacturers/ authorized dealers/partners of manufactures of the Below items.

Terms and conditions of the tender are enclosed as Annexure.

Interested bidders may submit their bids in a sealed cover superscribing **"Bid for Design, Supply, & Implementation for AV Networking & Archival Storage in the Ground floor, Earth Station.**

TENDER NO: ITE&C/SoFTNET/T-SAT/Network&Storage/02/2025

Dated 23.07.2025

DUE DATE: **28-07-2025** and it may be addressed to the Manager Broadcast, SoFTNET, T-SAT Network, Govt of Telangana, Dr. BRAOU Campus, Road no.45, Jubilee Hills, Hyderabad-33.

Received after due date shall be rejected.

The bids will be opened on 29-07-2025 in the presence of Representative of the bidders, if they make themselves available.

Tender forms are available at the following websites:

<https://softnet.telangana.gov.in/>

ANNEXURE

1. The specifications for information are given in **Appendix -A**.

The interested vendors may submit their bid in two parts:

The Technical Bid & The Financial Bid.

2. Technical Bid: The Technical Bid should contain the following information about the tenderer namely:

A. Details of the Tenderer (Appendix - B)

B. Earnest Money Deposit (Appendix - C)

(i) The technical bid should be accompanied with an Earnest Money Deposit (EMD) of Rs.1,00,000/- (Rupees One Lakh Only) in the form of D.D. addressed to the CEO, T-SAT, SoFTNET, Govt of Telangana.

(ii) Any other modes of payment shall not be acceptable.

(iii) The EMD will remain valid for a period of 180 days from the date of submission of tender.

(iv) The EMD of the unsuccessful bidders will be returned within 10 days of finalization of the tender. The EMD of the successful bidder will be returned on successful completion of the project.

C. Pre-Qualification Criteria: (Appendix-D)

3. Financial Bid: The Financial bid quote should be as per Appendix-E. The Financial Bid should cover the pricing of the project indicating the tax factor separately. The pricing should include all materials and Implementation charges which should be shown separately in the bid. Rates will be quoted in figures and words and in the event of any difference in the two rates, the rates quoted in words will prevail.

4. Evaluation Criteria: The Technical Bid will be opened first and the Financial Bids of only those who have qualified in the Technical Bids will be opened. The L1 will be decided based on the lowest evaluated price for the items.

5. The tenderers should give demo after opening of Technical Bid and before opening of Commercial Bid on the date of calling.

6. The General terms and conditions are given in **Appendix - F**.

7. The bidder may visit the site on any working day during 10.00 AM to 4.00 PM for survey of the work to be carried out. However, a Pre-bid meeting to discuss the specifications of **Supply, Design, Implementation and for AV Networking & Archival Storage** and other related clarifications/issues will be held on 25.07.2025 at 11AM.

"Bidders interested in participating may be present at the specified time to address any clarifications related to the matter.

APPENDIX-A

Technical Specifications of Design, Supply, & Implementation for AV Networking & Archival Storage



Technical Bid

AV Networking Specifications

| S. No | General Specifications | Qty |
|-------|---|-----|
| 1 | 24-port fully managed distribution switch designed for high-performance AV over IP and enterprise networking,- Ports: 24 × 10G/Multi-Gig PoE+ ports and 4 × 25G SFP28 uplinks - PoE Budget: 576W base, expandable up to 720W with modular power supply - Power Supply: 880W internal PSU with 1 slot for modular redundancy - Stacking: Virtual Chassis stacking with non-stop forwarding (NSF) and hitless failover - Layer 3 Features: Static, policy-based, and dynamic routing | 3 |
| 2 | high-performance 24-port core switch designed for AV over IP and enterprise-grade networking,- Ports: 24 × 10GBASE-X SFP+ ports and 4 × 25GBASE-X SFP28 uplinks - Power Supply: 240W internal PSU with 1 slot for modular redundancy (supports APS350Wv1, APS600Wv2, APS920Wv1, or APS2000Wv1) - Stacking: Virtual Chassis stacking with non-stop forwarding (NSF) and hitless failover - Layer 3 Features: Static, policy-based, and dynamic routing - AV Optimization: Includes NETGEAR IGMP Plus™, AV User Interface, and Engage Controller for simplified AV deployments - Design: Quiet operation, rack-mountable, and compact 15.75-inch depth - Warranty: Limited Lifetime Hardware Warranty with next business day replacement This model is ideal for core switching in broadcast, medical research, or enterprise environments where high throughput and reliability are essential. | 1 |
| 3 | SFP+ form, LC connector, SR/LR options, up to 10km, hot-swappable | 9 |
| 4 | LC/SC, OM3/OM4/OS2, ≤0.3 dB insertion loss, 2.0mm LSZH jacket | 24 |
| 5 | 12-core, loose tube, armored/FRP, G.652D SM or OM3 MM, HDPE sheath | 24 |
| 6 | 42U, 600/800mm width, 1000–1200mm depth, perforated doors, 1360–1500kg capacity | 2 |
| 7 | 1U rack-mountable, 24 RJ45 ports, supports 10GBASE-T, ANSI/TIA-568.2-D compliant, shielded/unshielded, includes rear cable manager | 136 |
| 8 | Keystone jack, 10GBASE-T, 23–24 AWG, T568A/B, tool-less/punch-down, shielded/unshielded | 57 |
| 9 | RJ 45 Ports Termination: Standard 110 IDC punch-down blocks, compatible with 22–26 AWG Cat5e/Cat6 cables | 200 |
| 10 | 23 AWG solid bare copper, Cable Type: U/UTP or F/UTP (Unshielded or Foil Shielded Twisted Pair) | 8 |
| 11 | Conductor: 23 or 24 AWG solid bare copper (not CCA), Cable Type: U/UTP (Unshielded Twisted Pair) or F/UTP (Foil Shielded) | 5 |
| 12 | Fiber Count: 12 fibres (typically grouped in 6-fiber loose tubes), Fiber Type: Single-mode (OS2, 9/125 μm) or Multimode (OM3/OM4, 50/125 μm) | 500 |
| 13 | Conductor: 26 AWG stranded bare copper for flexibility, Cable Type: U/UTP or F/UTP (Unshielded or Foil Shielded Twisted Pair) | 50 |
| 14 | Conductor: 26 AWG stranded bare copper for flexibility and durability, Cable Type: U/UTP or F/UTP (Unshielded or Foil Shielded Twisted Pair) | 100 |
| 15 | Network Labels | 1 |
| 16 | Network Installation | 200 |
| 17 | 10G Nic Cards | 20 |
| 18 | NET GEAR Wi-Fi Mesh | 6 |

Technical Bid

Archival Storage 500TB

| S.No | General Specifications | Qty |
|------|---|-----|
| 1 | System Architecture | 1 |
| | | |
| | Form Factor: 4U rackmount with 24 × 3.5" drive bays | |
| | Processor: Intel® Xeon® 4-core processor | |
| | Memory: 16 GB DDR4 ECC (expandable up to 512 GB) | |
| | Controllers: Dual-active architecture for high availability | |
| | | |
| | Connectivity | |
| | | |
| | Built-in Ports: | |
| | 4 × 10GbE SFP+ per controller | |
| | 1 × 1GbE RJ45 management port per controller | |
| | 2 × 12Gb/s SAS wide ports for expansion | |
| | Expansion Slots: 2 × host card slots (supporting Fibre Channel, 25GbE, etc.) | |
| | Max Host Ports: Up to 26 in dual-controller configuration | |
| | | |
| |  Storage & Features | |
| | | |
| | RAID Support: RAID 0, 1, 5, 6, 10, 50, 60, and RAID EE | |
| | Max Capacity: Up to 11 PB with expansion units | |
| | Protocols: CIFS/SMB, NFS, FTP, iSCSI, Fibre Channel (optional) | |
| | Data Services: Thin provisioning, SSD cache, auto-tiering, inline compression & deduplication | |
| | File System: ZFS-based QSM (QSAN Storage Manager) | |
| | | |
| |  Reliability & Security | |
| | | |
| | Availability: 99.9999% uptime design, no single point of failure | |
| | Cache Protection: Cache-to-flash in case of power loss | |
| | Security: SED (Self-Encrypting Drives), WORM support, RBAC, Windows ACL | |
| | | |
| | Storage & Features | |
| | | |
| | RAID Support: RAID 0, 1, 5, 6, 10, 50, 60, and RAID EE | |
| | Max Capacity: Up to 11 PB with expansion units | |
| | Protocols: CIFS/SMB, NFS, FTP, iSCSI, Fibre Channel (optional) | |
| | Data Services: Thin provisioning, SSD cache, auto-tiering, inline compression & deduplication | |
| | File System: ZFS-based | |
| | | |
| | Reliability & Security | |
| | | |
| | Availability: 99.9999% uptime design, no single point of failure | |
| | Cache Protection: Cache-to-flash in case of power loss | |
| | Security: SED (Self-Encrypting Drives), WORM support, RBAC, Windows ACL | |

APPENDIX-B

DETAILS OF THE TENDERER

(On the letter Head of the Tenderer)

1. (a) Name of the Tenderer:

(b) Address of the office:

(c) Year of incorporation and/or commencement of business:

2. Brief description of the Tenderer's main line of business:

3. Details of individuals(s) who will serve as the point of contact /communication with the tenderer:

(a) Name:

(b) Designation:

(c) Company/Firm:

(d) Address:

(e) Telephone Number:

(f) Email Address:

(g) Fax number:

(h) Mobile number:

4. Name, designation, Address and phone numbers of authorized Signatory of the tenderer:

(a) Name:

(b) Designation:

(c) Company/Firm:

(d) Address:

(e) Telephone Number:

(f) Email Address:

(g) Fax number:

(h) Mobile number:

(Signature and Seal of Tenderer)

APPENDIX-C

EARNEST MONEY DEPOSIT FORM

(On the letter Head of the Tenderer)

To:
The CEO
SoFTNET, T-SAT Network
Dr. BRAOU Campus,
Road no .45, Jubilee Hills,
Hyderabad
500033

Dear Sir,

We here deposited Earnest Money Deposit (EMD) of RS 1,00,000/- only) in the form of Demand Draft payable to CEO, T-SAT, HYDERABAD, the details of which are as follows:

- I. Name of the Bank with Branch.....
 - II. Demand Draft No. & Date
2. We agree that the EMD may be forfeited by the purchaser if we:
- I. Withdraw our tender during the period of tender validity specified by us in the Tender form.
 - II. Do not accept the correction of the Tender Price.
 - III. Do not sign Agreement within the specified time limit in case we are successful, and notification of award has been communicated.

(Signature and Seal of Tenderer)

APPENDIX-D

PROOF OF ELIGIBILITY

| S. No | Pre – Qualification Criteria | Supporting Document |
|-------|---|---|
| 1. | Experience and past performance in the execution of similar contract. | Proof of supply and quality performance in the for having sold the above type of items execution of similar issued by the relevant authorities to be enclosed. The tenderer should have executed a similar project of Central or State Govt. Departments, Private organizations / Reputed institutes. |
| 2. | Financial status and capacity | The bidder should have annual turnover of Rs.1.5 crore or Average turnover of Rs.1.5 crore for the last two years. Audited balance sheet certified by a chartered accountant for the previous year 2022-23 & 2023-24. |
| 3. | Should be an income tax assesses. | Income tax Income tax returns filed for previous financial years 2022-23& 2023-24. |
| 4. | Should not have been Blacklisted by any state government /central government or its agencies. | Should not have been Self declaration to be enclosed |
| 5. | Should be registered GST Registration under Goods & Service Tax (GST) | GST Registration Certificate to be enclosed. |
| 6. | To mention the status of the firm. | Authorization certificate in case of an authorized dealer from OEM/Authorized Distributor |

INSTRUCTIONS:

1. The tenderer should provide the details mentioned above based on its own technical capability. Technical capability of the tenderer parent company or its subsidiary or any associate company will not be considered for assessment of the qualification parameters of the tender.
2. The tenderer should not have been blacklisted by any state government /central government or any of its agencies. If it is found that the tenderer has not disclosed the above information during bid stage and such information has been found after the award of the contract, T-SAT, SoFTNET, Govt of Telangana, Hyderabad will impose a penalty of 5% on total cost of the project besides forfeiting the EMD. Such tenderer will also be blacklisted for all further contracts in this Institution.

(Signature and Seal of Tenderer)

APPENDIX-E
COMMERCIAL BID

TENDER NO:

Please Provide the Commercials for the specifications mentioned **APPENDIX-A** on
Companies Letter Head.

Delivery Period

Guarantee/ Warranty Period:

(Signature and Seal of Tenderer)

Note:

- Any deviation from specification must be clearly mentioned.
- Provide detailed presentation and documentation that will satisfy that your product meets all the required specification

APPENDIX-F

GENERAL TERMS AND CONDITIONS OF TENDER

1. The tenderers shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by State Government.
2. The tenderers should mention proper specification for the items they intend to supply. Their rates should be legibly indicated in both words and figures. The tenderer should furnish his full address and affix his signature on each page of the tender form.
3. The tenders, which do not accompany EMD are liable to be rejected. The EMD of the unsuccessful tenderers will be refunded soon after the tenders are finalized. The EMD of the successful tenderers will be refunded only after the completion of supplies and verification of items. The tenderers who do not give demo of the items is liable to be rejected.
4. The successful tenderer should complete his project within the stipulated period as per the work contract issued by T-SAT, SoFTNET, Govt of Telangana, Hyderabad
5. The successful tenderer should enter into an agreement with the Department duly assuring his complete supplies within the stipulated period and failure on the part of the supplier to deliver any or all the items or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.5% of the delivered price of the delayed items or unperformed services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of 3% of the contract price. Once the maximum is reached, the purchaser may consider termination of the contract pursuant to General Conditions of Contract.
7. The items must be supplied and installed in the place designated in T-SAT, SoFTNET, Govt of Telangana, Hyderabad.
8. In respect of equipment/items quoted for, the supplier should indicate the period of warranty against any manufacturing defects along with bid documents.
9. The rate quoted should be valid for one year.
10. After finalization of the tender, orders will be placed with the approved tenderer. If the tenderer fails to supply the articles within the specified period, the department may resort to cancellation of the said order and to place an order with the next lowest tenderer. In such an eventuality, the defaulting firms/tenderer will be required to make good any loss which the Department may incur besides paying specified penalty.
11. The Prices Quoted Should be Exclusive GST.
13. The tenderers should furnish full and clear address of the manufacturing unit vis-à-vis the product they intend to quote. Failure to do so, their quotation will be liable for rejection.
14. The tenderers should indicate full particulars about the make, brand, name of the manufacturer and detailed specification of the material offered by them.
15. A declaration to the effect that "I declare that I am the manufacturer/ authorized dealer of manufacturer/holder/partner of Ex-stock of the stores intended for should be duly signed by the tenderer in each case and same should be furnished along with the Quotation.

16. The tenderers should intimate whether the tenderer is a manufacturer/ authorized dealer and to furnish the documentary proof to that effect without fail.

17. The Court of Hyderabad shall alone have jurisdiction to dispute arising out of or in respect of the contract.

18. Failure on the part of the firm, whose offer has been accepted and proposed order placed to complete the formalities like execution of the agreement within the time given, will empower the T-SAT, SoFTNET, Govt of Telangana, Hyderabad to forfeit the EMD remitted against the tender notice to the department by the said firm.

19. In case of articles rejected as not being in accordance with the approved sample or has been received in damaged condition the tenderer should be prepared to take them back and replace them by correct material within a week without additional cost to this department.

20. In matters of dispute regarding supply not being in conformity with the approved quality or the performance of the terms or any other matter, the decision of the T-SAT, SoFTNET, Govt of Telangana, Hyderabad shall be final on both the parties.

21. The Tender is not transferable.

22. The Department will increase/decrease the quantity, if necessary, without assigning any reason.

23. The tenderer should furnish support centers in Hyderabad with name of city, full address, name of the contact person, telephone no, fax no & e-mail details.

24. The T-SAT, SoFTNET, Govt of Telangana reserves the right either to accept or reject or postponed or extend or cancel any tender or to award the contract in full or in part without assigning any reasons. The decision of the T-SAT, SoFTNET, Govt of Telangana will be final.

25. Payments will be made to the bidder in full only on successful completion of the project and on due certification of the officer In-charge at T-SAT, SoFTNET, Govt of Telangana for monitoring the project. The Project Officer shall be at liberty to withhold any payments in full or in part for any default in the execution of the project.

26. The period of guarantee/warranty offered by the bidder for the work done should be clearly indicated in the Financial Bid and the bidder should undertake to rectify any defects noticed by T-SAT, SoFTNET, Govt of Telangana during that period at no extra cost. The maximum time required to attend a service call should be less than 7 days from the date of receipt of call but on an average should not exceed 4 working days.

(Signature and Seal of Tenderer)