

**GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
ATOMIC MINERALS DIRECTORATE FOR EXPLORATION AND RESEARCH
AMD Complex-1-10-153 to 156, Begumpet, Hyderabad**

No. AMD/EDISAC/LAN-UPGRADE/2026/PreBid-C/1

Date: 08/05/2026

Pre-Bid Clarifications

Tender Notice No.: AMD/EDISAC/LAN-UPGRADE/2026 date 13/04/2026

S. No.	Bidder's Query	S. No. as per Tender Document	As per Tender Document	AMD's reply
1.	W.r.t 42U Rack, MS is preferred over Aluminium material. Is soil test mandatory in case of material being MS?	-	-	No change.
2.	Should solvency certificate be specific to this tender or solvency obtained for any other tender is acceptable? Also, what is the validity of the solvency certificate?	-	-	Solvency certificate for this tender or a generic solvency certificate (with no reference to any other tender) not older than 1 year from the last date of submission of this tender is acceptable.
3.	Is EMD exemption permitted for PSU?	-	-	Refer page no. 9 section 6.4 (d)
4.	Can be EMD be submitted as Bank Guarantee or Fixed Deposit?	-	-	Bidders are advised to refer page no. 5, point no. 4 in the table of the detailed tender document.
5.	Is Online submission of EMD accepted?	-	-	EMD is to be submitted offline.
6.	How is MII calculated for this tender (Item wise/Entire tender)?	-	-	Refer tender document page no. 21 section 3.4.
7.	Is licensed NMS software to be included in the bid, for management of switches?	-	-	No NMS software to be supplied.
8.	VRF or Equivalent	Page no. 45 Core Switch Layer-3 Managed Switch (Type-1)	Static routing, OSPF, OSPFv3, BGP, VRRP, VRF (Virtual routing and forwarding), IGMP v1/v2/v3, Layer 2, Routed Access (RIP, OSPF – Up to 1000 routes), PBR, QoS, Strict priority queuing, IPv4 and Ipv6 ACLs and Dynamic VLAN assignment.	No change.
9.	Patch Management, Health Dashboards – Network, Switch Health Monitoring is part of NMS or Asset management. Kindly clarify whether requirement is of NMS license or You want bidder to give confirmation on Compatible with NMS functionality	Page no. 45 Core Switch Layer-3 Managed Switch (Type-1)	SSHv2, SNMPv2c, SNMPv3, IGMP, NETCONF / YANG / REST API or equivalent, Discovery, inventory, topology, software image, licensing, and configuration management & Patch Management, Health Dashboards – Network, Switch Health Monitoring	Switch should support all the mentioned management features. No NMS software need to be supplied.

S. No.	Bidder's Query	S. No. as per Tender Document	As per Tender Document	AMD's reply
10.	VXLAN or equivalent, EVPN or Equivalent	Page no. 46 Core Switch Layer-3 Managed Switch (Type-1)	VXLAN, EVPN	The requirement may be read as "Network segmentation: VXLAN or equivalent (fully compatible with VXLAN), EVPN or equivalent (fully compatible with EVPN)"
11.	VRF or Equivalent	Page no. 46 Core Switch Layer-3 Managed Switch (Type-2) Core Features	Static routing, OSPF, OSPFv3, BGP, VRRP, VRF (Virtual routing and forwarding), IGMP v1/v2/v3, Layer 2, Routed Access (RIP, OSPF – Up to 1000 routes), PBR, QoS, Strict priority queuing, Ipv4 and Ipv6 ACLs and Dynamic VLAN assignment.	No change.
12.	Patch Management, Health Dashboards – Network, Switch Health Monitoring is part of NMS or Asset management. Kindly clarify whether requirement is of NMS license or You want bidder to give confirmation on Compatible with NMS functionality	Page no. 46 Core Switch Layer-3 Managed Switch (Type-2)	SSHv2, SNMPv2c, SNMPv3, IGMP, NETCONF / YANG / REST API or equivalent, Discovery, inventory, topology, software image, licensing, and configuration management & Patch Management, Health Dashboards – Network, Switch Health Monitoring	Switch should support all the mentioned management features. No NMS software need to be supplied.
13.	VXLAN or Equivalent, EVPN or Equivalent	Page no. 46 Core Switch Layer-3 Managed Switch (Type-2)	VXLAN, EVPN	The requirement may be read as "Network segmentation: VXLAN or equivalent (fully compatible with VXLAN), EVPN or equivalent (fully compatible with EVPN)"
14.	VRF or Equivalent	Page no. 46, 47 Core Switch Layer-3 Managed Switch (Type-3) Core Features	Static routing, OSPF, OSPFv3, BGP, VRRP, VRF (Virtual routing and forwarding), IGMP v1/v2/v3, Layer 2, Routed Access (RIP, OSPF – Up to 1000 routes), PBR, QoS, Strict priority queuing, Ipv4 and Ipv6 ACLs and Dynamic VLAN assignment.	No change.
15.	Patch Management, Health Dashboards – Network, Switch Health Monitoring is part of NMS or Asset management. Kindly clarify whether requirement is of NMS license or You want bidder to give confirmation on Compatible with NMS functionality	Page no. 46, 47 Core Switch Layer-3 Managed Switch (Type-3)	SSHv2, SNMPv2c, SNMPv3, IGMP, NETCONF / YANG / REST API or equivalent, Discovery, inventory, topology, software image, licensing, and configuration management & Patch Management, Health Dashboards – Network, Switch Health Monitoring	Switch should support all the mentioned management features. No NMS software need to be supplied.
16.	VXLAN or equivalent, EVPN or Equivalent	Page no. 46, 47 Core Switch Layer-3 Managed Switch (Type-3)	VXLAN, EVPN	The requirement may be read as "Network segmentation: VXLAN or equivalent (fully compatible with VXLAN), EVPN or equivalent (fully compatible with EVPN)"

S. No.	Bidder's Query	S. No. as per Tender Document	As per Tender Document	AMD's reply
17.	Does this mean Switch should be having one internal power supply and modular to have provision of Hot swappable power supply.	Page no. 48 Access Switch: Layer-2 Managed Switch (Type-1)	Support for dual redundant power supplies	Switch should have support for dual redundant power supplies
18.	Kindly clarify whether The Fiber cable to be laid is Underground also. If so please include Digging , Refilling and floor levelling as Separate Line item in Price bid which will bring clarity.	-	-	OFC is also to be laid underground through HDPE pipe. HDPE pipe is intended to be laid underground. Accordingly, the cost incurred for digging, road-cutting, refilling, floor-levelling etc (Refer Page 61 of tender document for more details.) is to be included in the line item - "Laying of HDPE pipe".
19.	Request you to provide Proposed Network Architecture Drawing so as to understand the Switching architecture planned so as to propose suitable switches keeping in view of Network redundancy, Switching redundancy	-	-	Bidders are advised to comply with the tender specifications and quantity. Network architecture drawings will be shared during execution of the work.
20.	For ACL Equivalent Firewall filters- Ingress filters: 1500- Egress filters: 512	Page no. 45 Core Switch Layer-3 Managed Switch (Type-1) Performance	minimum 2K MAC Addresses and 100 VLANs. minimum 1K ACLs, 4K Multicast and 4K IPv4, 4K IPv6 Routes.	The requirement "minimum 1K ACLs" may be read as "minimum 1K ACLs / filters (Ingress + Egress)"
21.	OSPF – Up to 1000 routes PBR Equivalent - Filter-Based Forwarding (FBF), which provides equivalent functionality to Policy-Based Routing (PBR)	Page no. 45 Core Switch Layer-3 Managed Switch (Type-1) Core Features	Static routing, OSPF, OSPFv3, BGP, VRRP, VRF (Virtual routing and forwarding), IGMP v1/v2/v3, Layer 2, Routed Access (RIP, OSPF – Up to 1000 routes), PBR, QoS, Strict priority queuing, IPv4 and IPv6 ACLs and Dynamic VLAN assignment.	The requirement "PBR" may be read as "PBR or equivalent"
22.	Discovery means- in discovery we have NDP, LDP, MLD, LLDP - need to confirm inventory- need to confirm	Page no. 45 Core Switch Layer-3 Managed Switch (Type-1) Management	SSHv2, SNMPv2c, SNMPv3, IGMP, NETCONF / YANG / REST API or equivalent, Discovery, inventory, topology, software image, licensing, and configuration management & Patch Management, Health Dashboards – Network, Switch Health Monitoring	Basic discovery and inventory features must be supported.

S. No.	Bidder's Query	S. No. as per Tender Document	As per Tender Document	AMD's reply
23.	MITM alternative - MACsec (IEEE 802.1AE), Dynamic ARP Inspection (DAI) DHCP Snooping	Page no. 45 Core Switch Layer-3 Managed Switch (Type-1)	Port security, DHCP snooping or equivalent, spanning tree root guard, IPv6 First Hop Security or equivalent protection, ARP Inspection (or similar security feature which validates ARP packets and prevents attacks such as MITM, IPv6 First Hop Security or equivalent protection)	Combination of features / alternatives which ensure the required protection are acceptable.
24.	OSPF – Up to 1000 routes (Ned to Check) PBR Equivalent - Filter-Based Forwarding (FBF), which provides equivalent functionality to Policy-Based Routing (PBR)	Page no. 46 Core Switch Layer-3 Managed Switches (Type-2)	Static routing, OSPF, OSPFv3, BGP, VRRP, VRF (Virtual routing and forwarding), IGMP v1/v2/v3, Layer 2, Routed Access (RIP, OSPF – Up to 1000 routes), PBR, QoS, Strict priority queuing, IPv4 and IPv6 ACLs and Dynamic VLAN assignment.	The requirement “PBR” may be read as “PBR or equivalent”
25.	Discovery- in discovery we have NDP, MLD, LLDP inventory- need to confirm	Page no. 46 Core Switch Layer-3 Managed Switches (Type-2)	SSHv2, SNMPv2c, SNMPv3, IGMP, NETCONF / YANG / REST API or equivalent, Discovery, inventory, topology, software image, licensing, and configuration management & Patch Management, Health Dashboards – Network, Switch Health Monitoring	Basic discovery and inventory features must be supported.
26.	MITM alternative - MACsec (IEEE 802.1AE), Dynamic ARP Inspection (DAI) DHCP Snooping	Page no. 46 Core Switch Layer-3 Managed Switches (Type-2)	Port security, DHCP snooping or equivalent, spanning tree root guard, IPv6 First Hop Security or equivalent protection, ARP Inspection or similar security feature which validates ARP packets and prevents attacks such as MITM, IPv6 First Hop Security or equivalent protection, secure boot with authentic signed images	Combination of features / alternatives which ensure the required protection are acceptable.
27.	In place of 12 x 10G SFP+, request to Amend as - 24 x 10G SFP+ ports	Page no. 46, 47 Core Switch Layer-3 Managed Switches (Type-3)	Minimum 12 x 10G SFP+ ports	The requirement is minimum 12 x 10G SFP+ ports which means switch with more than 12 x 10G SFP+ ports is also acceptable.
28.	OSPF – Up to 1000 routes (Ned to Check) PBR Equivalent - Filter-Based Forwarding (FBF), which provides equivalent functionality to Policy-Based Routing (PBR)	Page no. 46, 47 Core Switch Layer-3 Managed Switches (Type-3)	Static routing, OSPF, OSPFv3, BGP, VRRP, VRF (Virtual routing and forwarding), IGMP v1/v2/v3, Layer 2, Routed Access (RIP, OSPF – Up to 1000 routes), PBR, QoS, Strict priority queuing, IPv4 and IPv6 ACLs and Dynamic VLAN assignment.	The requirement “PBR” may be read as “PBR or equivalent”

S. No.	Bidder's Query	S. No. as per Tender Document	As per Tender Document	AMD's reply
29.	Discovery- in discovery we have NDP, MLD, LLDP inventory- need to confirm	Page no. 46, 47 Core Switch Layer-3 Managed Switches (Type-3)	SSHv2, SNMPv2c, SNMPv3, IGMP, NETCONF / YANG / REST API or equivalent, Discovery, inventory, topology, software image, licensing, and configuration management & Patch Management, Health Dashboards – Network, Switch Health Monitoring	Basic discovery and inventory features must be supported.
30.	MITM alternative - MACsec (IEEE 802.1AE), Dynamic ARP Inspection (DAI) DHCP Snooping	Page no. 46, 47 Core Switch Layer-3 Managed Switches (Type-3)	Port security, DHCP snooping or equivalent, spanning tree root guard, IPv6 First Hop Security or equivalent protection, ARP Inspection or similar security feature which validates ARP packets and prevents attacks such as MITM, IPv6 First Hop Security or equivalent protection	Combination of features / alternatives which ensure the required protection are acceptable.
31.	MITM alternative - 802.1X Authentication Dynamic ARP Inspection (DAI) DHCP Snooping	Page no. 47, 48 Access Switch: Layer-2 Managed Switch (Type-1)	Refer Tender Document	Combination of features / alternatives which ensure the required protection are acceptable.
32.	MITM alternative - 802.1X Authentication Dynamic ARP Inspection (DAI) DHCP Snooping	Page no. 48 Access Switch: Layer-2 Managed Switch (Type-2)	Refer Tender Document	Combination of features / alternatives which ensure the required protection are acceptable.
33.	Request to Amend/consider: Transmit Wavelength (Tx): 850 nm Receive Wavelength (Rx): 850 nm	Page no. 49 6. "10G SFP+ SR module"	Transmit and Receive Wavelength (nm):- 840 to 860.	Values within in range i.e. from 840 to 860 are acceptable.
34.	Mentioned requirement as CAT 6 UTP Patch Cords but asking for Shielding. This Clause is meant for CAT 6 STP Copper Cable. Need Clarification accordingly	Page no. 57 22. "CAT 6 UTP Patch Cords"	Shielding: Tin-plated brass	The requirement may be read as "Shielding: none"
35.	Need Clarification whether the required Cable Jacket is with LSZH or with HPDE (mentioned HDPE in point:10)	Page no. 57 23. "6 core OM3, Multimode, CLT, Gel filled, ECCS Armored Outdoor Fiber cable"	Cable jacket material: HDPE	The requirement "Cable jacket material: HDPE" may be read as "Cable jacket: LSZH / HDPE. The provided cable should be durable, UV resistant, moisture resistant and suitable for harsh outdoor environments."

S. No.	Bidder's Query	S. No. as per Tender Document	As per Tender Document	AMD's reply
36.	As per ANSI/TIA-568.3-E, the maximum acceptable attenuation for OM3 Multi Mode Fiber Optic Cables is 3.0dB/Km at 850nm and 1.5dB/Km at 1300nm. So, we request you to amend the attenuation accordingly	Page no. 57, 58 23. "6 core OM3, Multimode, CLT, Gel filled, ECCS Armored Outdoor Fiber cable"	Attenuation: At 850nm: ≤ 0.27 dB/km, At 1300 nm: ≤ 0.8 dB/km	The requirement may be read as "Attenuation: At 850nm: ≤ 3.0 dB/km, At 1300 nm: ≤ 1.5 dB/km"
37.	Regarding to the RAL Color there is no particular standard, but RAL 7035 is the industry standard for most of the server racks, cabinets, Network accessories. So, we request to consider alternate color as well which is of Black/RAL 9004/5). Now-a-days, this RAL 9004/5 is generally using for high density Data Center panels, cabinets	Page no. 58 24. "12 & 24 - port OM3 Fully loaded LIU Multi mode. SC Type"	1U patch panel: Material color 12/5/2017CRCA 1.2mm. Powder coated RAL 7035	As the colour will not affect the functionality of the product, minor deviations are acceptable.
38.	Dimensions of the Product will vary from OEM to OEM and adhere to Industry ANSI/TIA Standards for Compatability. So, we request you not to be exact/particular on the dimensions of the product (We request you not to consider the existing setup product dimensions). New Product should be compatible with existing network setup which includes Network/Server racks)	Page no. 58 24. 12 & 24 - port OM3 Fully loaded LIU Multi mode. SC Type	Packaging size(mm): 43.6 x 482.6 x 230 mm	As the packaging size will not affect the functionality of the product, minor deviations are acceptable.
39.	Need Clarification regarding on the Kit where we support on providing mounting hardware, and splicing sleeves at the time of Splicing the Fiber Cables	Page no. 58 24. 12 & 24 - port OM3 Fully loaded LIU Multi mode. SC Type	Scope of supply: Kit 'B':01pc	As this parameter will not affect the functionality of the product, minor deviations are acceptable. The product supplied should have all accessories to successfully complete the execution of the work.
40.	Instruction Manuals are generally provided for the Products that require configuration, trouble shooting. While Active Products like CCTV, Fire Alarm System or any other will include these comprehensive instruction manuals. So, we request to you kindly arrange this Clause for the Active Part not on the Passive Components	Page no. 58 24. 12 & 24 - port OM3 Fully loaded LIU Multi mode. SC Type	Scope of supply: Instruction Manual:01	As the instruction manual will not affect the functionality of the product, minor deviations are acceptable.
41.	Beige Strain relief boot also should be considered instead of Black/red strain relief for OM3 Fiber Patch Cords. This will not affect the actual optical performance. So, we request you to consider accordingly	Page no. 59 25. Patch Cord SC-Duplex PC, beige - LC-Duplex PC, OM3	Refer Tender Document	As the colour will not affect the functionality of the product, minor deviations are acceptable.
42.	Mentioned Technical Specifications for the requirement of CAT 6 STP Cable but there is no Specifications for the requirement of accessories which includes Copper Patch Cords, keystones. Need Clarification whether do we have requirement for the accessories or not (Can see the specifications for CAT 6 UTP Keystones & Copper Patch Cords)	Page no .54 18. CAT 6 STP cable	-	The shielded RJ 45 CAT6 connectors (Quantity: 2 per 100m of the cable) are to be provided by the bidder. No other STP accessories are required.

S. No.	Bidder's Query	S. No. as per Tender Document	As per Tender Document	AMD's reply
43.	As per ANSI/TIA 568.2-D Standard CAT 6 Copper Cable is Standardized at 250MHz rather than 500MHz because it was designed to reliably support 10G Ethernet (10GBASE-T) upto 55Mtrs not 100Mtrs. 500MHz requirement is for CAT 6A Copper Cable which uses improved shielding and tighter twists to handle higher frequencies over 100Mtrs Channel. So, we request you to amend to 250MHz frequency instead of 500MHz	Page no. 54 19. Cat 6 UTP I/Os (User Side) Page no. 55-56 21. Cat 6 UTP I/Os (Patch panel side)	Standardization: 10GBase-T applications in acc. with IEEE 802.3an up to 500 MHz and 55 m	The requirement may be read as "Standardization: 10GBase-T applications in acc. with IEEE 802.3an up to 250 MHz and 55 m"
44.	As per ANSI/TIA 568.2-D and IEC 60603-7-41 standards CAT 6 Keystones must support minimum of 750 Mating Cycles (Plug Insertion) to ensure long term reliability and performance. So, we request you to amend the clause with minimum of 750 Cycles	Page no. 54 19. Cat 6 UTP I/Os (User Side) Page no. 55-56 21. Cat 6 UTP I/Os (Patch panel side)	Contacts:gold-plated bronze contacts for >1000 mating cycles, IDC contacts with singlewire	The requirement may be read as "Contacts:gold-plated bronze contacts for >750 mating cycles, IDC contacts with singlewire"
45.	Dimensions of the Product will vary from OEM to OEM and adhere to Industry ANSI/TIA Standards for Compatability. So, we request you not to be exact/particular on the dimensions of the product (We request you not to consider the existing setup product dimensions). New Product should be compatible with existing network setup which includes Network/Server racks)	Page no. 54-55 19. Cat 6 UTP I/Os (User Side)	Dimensions: 18.2 x 22.7 x 41.3 mm	Minor deviations in dimensions are acceptable subject to the compatibility with the setup.
46.	Normally Snap in adapter (housing) and coding clips should be ideally be made of Poly Carbonate (often rated with UL 94V-0) particularly if they are high quality, UL rated components. Poly Propylene will have low melting point and rigidity compared to Poly Carbonate. So, we request you to consider with Poly Carbonate instead of Polypropylene	Page no. 54-55 19. Cat 6 UTP I/Os (User Side) Page no. 55-56 21. Cat 6 UTP I/Os (Patch panel side)	Coding clip material: polypropylene	The requirement may be read as "Coding clip material: polypropylene / polycarbonate"
47.	It is a German Standard (often used in Europe) that defines strict limits for halogen content. So, we request you kindly consider the housing and insulating plastics of the Keystone must be PC/ABS, UL 94V-0 which is high performance, flame retardant thermoplastic standard designed for superior impact strength, stability and high heat resistance	Page no. 54-55 19. Cat 6 UTP I/Os (User Side) Page no. 55-56 21. Cat 6 UTP I/Os (Patch panel side)	Compliant with Standards: Halogen-free, in accordance with DIN/VDE 0472/815	The requirement may be read as: "Compliant with Standards: Halogen-free, in accordance with DIN/VDE 0472/815" or "Compliant with Standards: PC/ABS with UL 94V-0".
