

TENDER NOTICE

1. Army Institute of Management & Technology, Greater Noida Invites sealed quotations from OEM/ Authorised dealers/ vendors for the purchase of desktops with software and firewall for data lab in AIMT, Greater Noida. A pre- bid meeting will be held at AIMT Conference Room on 07 Jan 25. For any query contact tele: 9999347729, 9810944857

Pl visit our web site www.aimt.ac.in

2. Tender will be dropped at the tender box placed at main entrance gate of AIMT, Greater Noida Plot No M-1 Pocket P-5. Last date for submission of tenders: 12 Jan 25

| Sr No | Description | Qty | Rate | Rate with GST | Remark |
|-------|--|-----|------|---------------|--------|
| 1 | HP Desktop 13th Gen Intel Core i7 27" FHD 16GB RAM, 1TB SSD, Intel UMA Graphics, 710 white wireless keyboard and Mouse combo (windows 11Pro MSD 21, Shell white, 6.72 Kg) 27-cr0403in (required Specifications attach as Appx 'A') | 28 | | | |
| 2 | HP Desktop Intel Core i7 13th Gen 16 GB RAM 1TB SSD Dedicated Graphics Card 4GB RAM, 27" Monitor, 710 white wireless keyboard and Mouse combo 3 Years Warranty Windows 11Pro (required Specifications attach as Appx 'B') | 2 | | | |
| 3 | Firewall (required Specifications attach as Appx 'C') | 1 | | | |

Note: Minimum configuration of hardware/software will be as above for submission of quotes. However, higher configuration if any can also be quoted with separate quotes.

3. A specific manufacture's Authorisation Form (MAF) from original equipment manufacturer (OEM) is to be submitted with the quote. The MAF should be on the OEM's ink signed letterhead and signed by an authorised person to bind the manufacture.

4. Technical documents as per Appx 'A', 'B' and 'C' to Para 2 above including datasheet and technical compliance also to be submitted on OEM letterhead duly signed and stamped by authorised signatory. Technical evaluation will also be carried out by a technical evaluation committee.

5. **Submission of Quotations / bids-** The technical and commercial bids should be sealed in two separate envelopes clearly indicating commercial/ technical bid and then put in one single envelope and sealed properly.

(Dr J K Sahu)
Air Cmde(Retd)
Director

Dec 24

Appx 'B'

| Desktop with GPU | | | |
|--|--------------------|---|------------|
| SNo | Item | Specifications | Qty |
| 1 | Form Factor | Micro Tower | 2 |
| 2 | Chassis | Tool-less Chassis | |
| 3 | Chipset | Intel Q670 or Better | |
| 4 | Processor | Intel 13th Generation Core i7-13700 Processor or Better | |
| 5 | Memory | 16 GB DDR5-4800 Memory expandability up to 64 GB with 2 DIMM Slots | |
| 6 | Storage | 1TB M.2 2280 PCIe NVMe SSD | |
| 7 | Graphics | Intel T400 Graphics Card 4GB | |
| 8 | Audio | Integrated audio controller with internal speaker of at least 2W | |
| 9 | Operating System | Microsoft Windows 11 Professional (Preloaded) with OEM Recovery DVD or option of Cloud Recovery | |
| 10 | Networking | Integrated Intel Gigabit 10/100/1000 Ethernet Controller Realtek Wi-Fi6 RTL8852BE 802.11ax 2x2 with Bluetooth 5.3 Wireless Card M.2 | |
| 11 | Ports | Video: 1 Display Port, 1 HDMI Min. 10 USB Ports with 2 USB 2.0, 3 USB 3.2 Gen 1, 3 USB 3.2 Gen 2, 1 USB Type C | |
| 12 | Slots | 1 PCI Express v4.0 x16 1 PCI Express v4.0 x1 1 PCI 2 M.2 | |
| 13 | Keyboard & Mouse | USB Wired Keyboard, USB Optical Wired Mouse | |
| 14 | Power Supply | 180 W with 90% efficiency or better | |
| 15 | Volume | Not More than 16.5 L | |
| 16 | Security | Hardware based endpoint security controller TPM 2.0 Integrated Intrusion Sensor | |
| 17 | Certifications | Microsoft Windows 11 Certified, FCC,CE, RoHS, UL, EPEAT, Energy Star, TCO, MIL STD 810 ISO 9001,14001,20001,27001 for OEM | |
| 18 | Display | 27" with Minimum resolution of 1920X1080, with VGA , HDMI, TCO 8.0 Certified (Same OEM as desktop) | |
| 19 | Warranty | 3 Years Onsite OEM Warranty | |
| Additional Specification Parameters - Desktop Computers | | | |
| | Power Supply | 180 W with 90% efficiency or better | |
| | Chipset | Intel Q Chipset | |
| | USB Ports | USB: 10 or higher with min. 4 USB ports of 10Gbps (min. 2 ports in front) incl. 1 Type C Port | |
| | Operating System | Microsoft Windows 11 Professional with OEM Recovery DVD or option of Cloud Recovery | |
| Additional Terms and Conditions (ATC) | | | |
| | OEM LOGO | Motherboard, keyboard and Mouse must be from the same OEM as the Computer and OEM logo /trademark embossed on them; no sticker allowed. | |
| | Preloaded OS | OS should be OEM factory preloaded and the Windows Key should be embedded in the BIOS at the time of production | |
| | Wi-Fi Availability | System supplied shall have inbuilt Wi-Fi feature, external dongle /USB are not allowed. | |

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| System Diagnostics | OEM must have online system hardware diagnostics facility or BIOS based hardware diagnostics facility. OEM must have the facility to download the updates of preinstalled Software, device drivers and firmware from its website. | |
| Recovery Media | OEM must support recovery media creation through its website to re install the operating system when required and bring the computer back to its original factory condition as configured by the OEM. | |
| Certification Bidder is required to submit the following certificates: | a). Valid ISO 9001 Certificates. | |
| | b). Data Sheet of the quoted product. | |
| | c). RoHS, Energy star, UL, CE, FCC, TCO certificate for display | |
| | d). The confirmation from OEM for preloaded Windows operating system need to be submitted along with Bid. | |
| HP Authorization | 1 The ink signed bid specific MAF from OEM needs to be submitted along with the bid documents. | |
| | 2 Technical Documents including datasheet, Technical Compliance to be submitted on OEM letterhead duly signed and stamped by the authorised signatory | |

Appx 'A'

| Desktop without GPU | | | |
|--|------------------|--|------------|
| S No | Item | Specifications | Qty |
| 1 | Form Factor | Micro Tower | 28 |
| 2 | Chassis | Tool-less Chassis | |
| 3 | Chipset | Intel Q670 | |
| 4 | Processor | Intel 13th Generation Core i7-13700 Processor | |
| 5 | Memory | 16 GB DDR5-4800 Memory expandability up to 64 GB with 2 DIMM Slots | |
| 6 | Storage | 1TB M.2 2280 PCIe NVMe SSD | |
| 7 | Graphics | Intel UHD Graphics 770 | |
| 8 | Audio | Integrated audio controller with internal speaker of at least 2W | |
| 9 | Operating System | Microsoft Windows 11 Professional (Preloaded) with OEM Recovery DVD or option of Cloud Recovery | |
| 10 | Networking | Integrated Intel Gigabit 10/100/1000 Ethernet Controller | |
| | | Realtek Wi-Fi6 RTL8852BE 802.11ax 2x2 with Bluetooth 5.3 Wireless Card M.2 | |
| 11 | Ports | Video: 1 Display Port, 1 HDMI | |
| | | Min. 10 USB Ports with 2 USB 2.0, 3 USB 3.2 Gen 1, 3 USB 3.2 Gen 2, 1 USB Type C | |
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| | 2 Technical Documents including datasheet, Technical Compliance to be submitted on OEM letterhead duly signed and stamped by the authorised signatory | |

| Sr.No: | Specification | Compliance (Yes/No) | Reference |
|----------|--|---------------------|-----------|
| 1 | General | | |
| 1.1 | Security solution must be appliance based without any user based licensing with Anti Virus, Web security including Web and Content Filtering along with Secure DNS Filtering, QOS, Application Control, IPS Sandbox & SSL + IPSEC VPN features inbuilt for 3 years. | | |
| 1.2 | The Proposed Firewall Vendor should be SOC2 compliant which covers security, availability, processing integrity, confidentiality, and/or privacy controls. OEM must have ISO:27001 certification | | |
| 1.4 | Security Solution should have inbuilt SD-WAN functionality for supporting load balancing / express route selection based on SLA | | |
| 1.5 | The OEM quoted in bid must be Gartner's Leader in Network Firewall during 2021 , 2022,2023 | | |
| 1.6 | The proposed Firewall should belong to a family of products that attains Recommended ICSA Certification for NGFW and IPSEC VPN Module | | |
| 1.7 | The OEM quoted in the bid must have on prem sandbox solution to integrate with firewall in future. | | |
| 1.8 | The OEM should have published all the performance mentioned on the corporate public website. | | |
| 2 | Firewall Performance & Features requirements. | | |
| 2.1 | Security appliance should have a minimum through put of 7 Gbps firewall throughput | | |
| 2.2 | Should support at least 1.5 Million concurrent sessions & 40K new connections/sec | | |
| 2.3 | The firewall must support IPSEC VPN throughput 6 Gbps or more | | |
| 2.4 | Firewall must support NGFW (Firewall, IPS and AVC)throughput of 1 Gbps or more | | |
| 2.5 | Firewall must support 1 Gbps or more IPS throughput. | | |
| 2.6 | Firewall must support Threat Protection throughput (Firewall, IPS, AVC and Malware protection with logging enabled) throughput of 900 Mbps or more | | |
| 2.7 | Security solution must support 700 Mbps or more SSL inspection throughput | | |
| 2.8 | Proposed solution must support 200 Site to Site IPSec tunnel , 2000 Site to Client IPSEC tunnel and 200 Site to client SSL VPN tunnel from day 1 | | |
| 2.9 | Should support Active-Active & Active-standby when deployed in HA. | | |
| 2.12 | Solution should have WAN Path Controller and Link Health Monitoring for better application performance. Link Health monitor must identify latency, jitter and packet loss for each ISP. | | |
| 2.13 | Security solution must support Asset tagging to segregate secured, intellectual proprietary and unsecured devices. Based on the Asset should be able to define intent based policy. | | |

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| 2.14 | Security solution should have comprehensive security controls on SSH Man-in-the-Middle (MITM) deep inspections. Like IPS Inspection on tunneled traffic and detect / prevent MITM attack etc.. | | |
| 2.15 | Security solution must have the following support for IPv6 : Management over Ipv6, Ipv6 routing protocols, Ipv6 tunneling, firewall and UTM for Ipv6 traffic, NAT46, NAT64, Ipv6 IPsec VPN | | |
| 2.16 | Security solution must support Active-passive, active-active and virtual clusters for high availability. | | |
| 2.17 | Should support min 500 concurrent user | | |
| 3 | Hardware Architecture | | |
| 3.1 | Security solution must have at minimum of 8 x 1GE RJ45 | | |
| 3.2 | Security solution must have at minimum of 2x Shared Port Pairs | | |
| 3.3 | Security solution must have dedicated console port RJ45 and 1 nos USB Port | | |
| 3.4 | Security solution must have the capability to virtualize one physical firewall into minimum of 10 virtual firewalls from day-1. | | |
| 3.5 | Proposed solution must have 120 GB storage from day-1 | | |
| 4 | VPN | | |
| 4.1 | Security solution must have minimum VPN throughput of 6 Gbps or more. | | |
| 4.2 | Security solution must support IPsec & SSL VPN. With necessary licenses as mentioned in Clause 2.8 | | |
| 4.3 | Should support the following IPSEC VPN deployment modes : Gateway-to-gateway, hub-and-spoke, full mesh, redundant-tunnel, VPN termination in transparent mode, | | |
| 4.4 | Solution should have MAC host check per portal for SSL VPN | | |
| 4.5 | Solution should support AES256, ARIA128, ARIA192, ARIA256, SEED encryption types | | |
| 4.6 | Diffie-Hellman Group support: 1, 2, 5, 14, 17,18, 21, 27 to 32 should be available from day 1 | | |
| 4.7 | Security solution must support following OS (MAC OSX, Linux, Windows Vista and with 64-bit Windows operating systems) while connecting to office using SSL VPN. | | |