# Jawaharlal Nehru University
# Communication and Information Services (CIS)

**Corrigendum to Tender Ref No. JNU/CIS/2024/SITC of ICT Infrastructure/01**

With reference to the tender document inviting bids for Supply, Installation, Commissioning and Maintenance of Frequently used ICT Infrastructure items floated through eProcurement System, it is hereby informing the revised tender document including the following changes shall be read while responding to the bids against the tender. The tender document is modified/explained (wherever applicable) as under:

| Page No. | Item Type | S.no | Parameter | Specifications | Modifications/Changes |
|---|---|---|---|---|---|
| 36 | Desktop type-1 | 1 | Processor | Core i5 or better | Core i5 / Ryzen 5 or better. |
| 36 | Desktop type-1 | 2 | Generation | 12th Generation or higher | 12th Generation Intel / 5000-Series AMD or higher. |
| 36 | Desktop type-1 | 3 | No. of Core per Processor | 6 or higher | 6- Multithreaded, Performance Cores or Higher. |
| 36 | Desktop type-1 | 5 | Chipset | Intel Q / B / W / H Series | Intel Q / B / W / H Series, AMD PRO500 / PRO565 Series. |
| 37 | Desktop type-2 | 1 | Processor | Core i7 or better | Core i7 / Ryzen 7 or better. |
| 37 | Desktop type-2 | 2 | Generation | 12th Generation or higher | 12th Generation Intel / 5000-Series AMD or higher. |
| 37 | Desktop type-2 | 3 | No. of Core per Processor | 12 or higher | 8- Multithreaded, Performance Cores or Higher. |
| 37 | Desktop type-2 | 5 | Chipset | Intel Q / B / W / H Series | Intel Q / B / W / H Series, AMD PRO500 / PRO565 Series. |
| 37 | Workstation | 1 | Processor | Core i7 or better | Core i7 / Ryzen 7 or better. |
| 37 | Workstation | 2 | Generation | 12th Generation or higher | 12th Generation Intel / 5000-Series AMD or higher. |
| 37 | Workstation | 3 | No. of Core per Processor | 12 or higher | 8- Multithreaded, Performance Cores or Higher. |

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| 37 | Workstation | 5 | Chipset | Intel Q / B / W / H Series | Intel Q / B / W / H Series, AMD PRO500 / PRO565 Series. |
|---|---|---|---|---|---|
| 38 | Laptop type-1 | 1 | Processor | Core i5 or better | Core i5 / Ryzen 5 or better. |
| 38 | Laptop type-1 | 2 | Generation | 12th Generation or higher | 12th Generation Intel / 5000-Series AMD or higher. |
| 38 | Laptop type-1 | 3 | No. of Core per Processor | 6 or higher | 6- Multithreaded, Performance Cores or Higher. |
| 39 | Laptop type-2 | 1 | Processor | Core i7 or better | Core i7 / Ryzen 7 or better. |
| 39 | Laptop type-2 | 2 | Generation | 12th Generation or higher | 12th Generation Intel / 5000-Series AMD or higher. |
| 39 | Laptop type-2 | 3 | No. of Core per Processor | 12 or higher | 8- Multithreaded, Performance Cores or Higher. |
| 97 | Server Type -1 | 3 | Chipset | Intel C741 or Better | Intel/AMD |
| 97 | Server Type -1 | 4 | Processor | 1 Nos of 4th Generation Intel Xeon scalable processor Gold 5416S 2.0 GHz 16C/ 32 T for each processor or better | Processor can be Intel/AMD and processor specs should be Equivalentor higher |
| 100 | Server Type-2 | 3 | Chipset | Intel C741 or Better | Intel/AMD |
| 100 | Server Type-2 | 4 | Processor | 1 Nos of 4th Generation Intel Xeon scalable processor Gold 5416S 2.0 GHz 16C/ 32 T for each processor or better | Processor can be Intel/AMD and processor specs should be Equivalent or higher |

| 104 | Server Type -3 | 3 | Chipset | Intel C741 or Better | Intel/AMD |
| 104 | Server type - 3 | 4 | Processor | 2 Nos of 4th Generation Intel Xeon scalable processor Gold 6430 2.1 GHz 32C/ 64 T for each processor or better | Processor can be Intel/AMD and processor specs should be Equivalent or higher |

| Page No and clause | Specification | Modification |
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| Page 73  3.Wireless Lan Controller Type 1 Point 3 | WLC should have capability to host 6000 APs from day 1. | HW WLC should have capability to host 2000 APs and should be scalable to 6000 Access points on the same hardware |
| Page  73.Wireless Lan Controller Type 1 Point 24 | To deliver optimal bandwidth usage, reliable multicast must use a single session between AP and Wireless Controller | To deliver optimal bandwidth usage, reliable multicast  session between AP and Wireless Controller |
| Page 74 Wave 6 Indoor Access-Point  point 5 | Access Point or solution shall support encrypted traffic visibility | Access Point or solution shall support encrypted traffic visibility/application traffic visibility |
| Page 74 Wave 6 Indoor Access-Point  point 8 | Access Point shall support Console port that uses Standard Port (RJ-45) type connection | Access Point shall support Console port/Alternate method to take console access |
| Page 75 Wave 6 Outdoor Access-Point  point 6 | AP must have standard RJ-45 console port | Access Point shall support Console port/Alternate method to take console access |
| Page 75 Wave 6 Outdoor Access-Point  point 9 | Must support minimum of 30 dbm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms. | Must support minimum of 28 dbm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms. |
| Page 77 L2 POE Switch 24 Port (supported upto 8 Multigig PoE) Type 1  point 19 | Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard. | Switch should support IPv6 Binding Integrity Guard/ IPv6 Source Guard. , IPv6 Snooping/DHCPV6 , IPv6 RA Guard,IPv6 Neighbour Discovery |

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|---|---|---|
| Page 77 L2 POE Switch 24 Port (supported upto 8 Multigig PoE) Type 1 point 20 | Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware for all ports. | Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 |
| Page 77 L2 POE Switch 24 Port (supported upto 8 Multigig PoE) Type 1 point 25 | All 24 port should support PoE (802.3af) and PoE+ (802.3at) with a PoE power budget of 370W. If required Switch HW should support 740W with additional Power Supply. | All 24 port should support PoE (802.3af) and PoE+ (802.3at) with a PoE power budget of 370W. If required Switch HW should support 740W |
| Page 78 L2 POE Switch 24 Port Type 2 point 19 | Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard. | Switch should support IPv6 Binding Integrity Guard/ IPv6 Source Guard. , IPv6 Snooping/DHCPV6 , IPv6 RA Guard,IPv6 Neighbour Discovery |
| Page 78 L2 POE Switch 24 Port Type 2 point 20 | Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware for all ports. | Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 |
| Page 78 L2 POE Switch 24 Port Type 2 point 25 | All 24 port should support PoE (802.3af) and PoE+ (802.3at) with a PoE power budget of 370 W. If required Switch HW should support 740W with additional Power Supply. | All 24 port should support PoE (802.3af) and PoE+ (802.3at) with a PoE power budget of 370 W. |
| Page 80 L2 POE Switch 48 Port point 19 | Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard. | Switch should support IPv6 Binding Integrity Guard/ IPv6 Source Guard. , IPv6 Snooping/DHCPV6 , IPv6 RA Guard,IPv6 Neighbour Discovery |
| Page 80 L2 POE Switch 48 Port point 20 | Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware for all ports. | Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 |
| Page 81 L2 Non PoE 48 Port Switch point 19 | Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard. | Switch should support IPv6 Binding Integrity Guard/ IPv6 Source Guard. , IPv6 Snooping/DHCPV6 , IPv6 RA Guard,IPv6 Neighbour Discovery |

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|---|---|---|
| Page 81 L2 Non PoE 48 Port Switch point 20 | Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware for all ports. | Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 |
| Page 82 LCore switch Chassis based point 4 | Shall support In Service Software Upgrade (ISSU) or Hit less update to provide an upgrade of the entire chassis or an individual task/process without impacting hardware forwarding | Shall support In Service Software Upgrade (ISSU) or Hitless update to provide an upgrade of the chassis/virtual chassis or an individual task/process without impacting hardware forwarding |
| Page 84 L3 24 SFP port Distribution Switch point 21 | Switch should support API Driven configuration and support Netconf and Restconf using YANG data model. It should support automation tool like python | Switch should support API Driven configuration and support Netconf /Restconf using YANG data model. It should support automation tool like python/Equivalent Ansible |

All other terms and conditions, clause(s)of the tender document will remain same. The last date of submission of bid is 04-Mar-2024: 12:00pm.