



Rajgir, District: Nalanda, Bihar – 803 116

Ph. No: 06112 255330

Web: www.nalandauniv.edu.in

Limited Open Tender Enquiry

No. NU/NIT/Wi-Fi AP/2026-27/_____

Date: 23.07.2026

To

1. As per the attached vendor list
2. Notice Board, Nalanda University
3. Central Public Procurement Portal (CPP Portal)
4. Open to all eligible vendors

Dear Sir

Nalanda University, Rajgir, Bihar, invites sealed quotations from eligible bidders for the supply, installation, configuration, testing and commissioning of enterprise Wi-Fi 6 indoor and outdoor Access Points, along with a compatible centralized WLAN controller and associated accessories, at its Permanent Campus, Rajgir, Bihar, in accordance with the Schedule of Quantities at Annexure I, the technical specifications and the terms and conditions stated below:

1. Last Date & Time for submission of quotations: 30.07.2026, 1500 Hours
2. Date & Time for opening of quotations: 30.07.2026, 1530 Hours.
3. Venue for Submission & opening of Quotations: Nalanda University, At – Permanent Cammpus, Pilkhi Village, Chhabilapur Road, Rajgir, District – Nalanda, Bihar – 803116.
4. Mode of Submission:
 - a. The quotation may be sent by post or deposited in the Tender Box placed at the Reception of Nalanda University, Rajgir, on or before the due date and time. Quotations received after 3:00 PM on the due date shall not be opened and will be summarily rejected. Nalanda University shall not be responsible for any postal or transit delay.

The Schedule of Quantities as per Annexure I shall be duly filled for the rates and signatures affixed wherever required. The sealed cover shall be super scribed with “QUOTATION FOR SUPPLY OF THE WIFI NETWORKING– ACCESS POINT DEVICE for the permanent CAMPUS OF NALANDA UNIVERSITY AT RAJGIR, BIHAR”. The quotation shall be signed by a person legally authorized to enter into commitment on behalf of the Bidder. Bidder shall submit Power of Attorney in favour of the person who is authorized to enter into commitments on behalf of the Bidder. If the bidder is an individual, the quotation along with the NIQ shall be signed by such individual above the full type written name and current address.

Copy of Certificates of PAN card, GST registration and Service Tax registration is to be submitted along with the quotation.

NALANDA UNIVERSITY will not be bound by any Power of Attorney granted by the Bidder or changes in the constitution of the firm made subsequent to submission of the bid or after the award of the contract. The University may, however, recognize such Power of Attorney and changes after obtaining proper legal advice, the cost of which will be borne by the Bidder.

The cancellation of any document such as Power of Attorney, Partnership Deed etc. should be communicated by the Bidder to the NALANDA UNIVERSITY in writing well in time, failing which NALANDA UNIVERSITY shall have no responsibility or liability for any action taken by NALANDA UNIVERSITY on the strength of the said documents.

Should the Bidder have a relative or relatives in NALANDA UNIVERSITY or one or more of its shareholders are a relative or relatives of the shareholder(s) employed in a superior capacity in NALANDA UNIVERSITY, the relevant authority inviting the quotations shall be informed of the facts at the time of submission of the bid, failing which the bid may be disqualified or if such fact subsequently comes to light, NALANDA UNIVERSITY reserves the right to take any other action as it deems fit in accordance with any applicable Law, Rules, Regulations of the like in force.

5. Warranty & Defect Liability Period:

All Access Points, centralized controller, licences and supplied accessories shall carry a minimum comprehensive OEM warranty of 3 years from the date of successful commissioning, or the standard OEM warranty, whichever is longer.

The makes and models shall be decided by the Engineer In-Charge (Electrical) and contractor will seek approval before supply. Only reputed makes shall be supplied. During the warranty period, if material/items will not be repaired/replaced within 48 hrs then University may replace/repair it and the requisite amount shall be recovered from security deposit.

6. Validity of Quotations:

The offer shall be kept valid for a period of 120 days (Ninety days) from the date of opening of quotation.

7. Prices:

The bidder shall quote item-wise rates in figures and words in the Schedule of Quantities at Annexure I. The quoted rates shall include supply, installation, configuration, testing, commissioning, mounting accessories, PoE requirements, licences, transportation, insurance, duties, taxes and all incidental charges required for complete functionality. Prices shall be quoted in Indian Rupees (INR), inclusive of GST, and each page of the price schedule shall be signed and stamped.

8. Billing & Payments:

The successful bidder shall submit invoice(s) in triplicate along with delivery challans, installation and testing reports, OEM warranty certificates, licence details, manuals and other supporting documents. Payment shall be processed within 30 days from receipt of a complete and correct invoice duly certified by the Engineer-in-Charge, subject to fulfilment of contractual requirements.

- a. 100% payment shall be released after successful supply, installation, configuration, testing and commissioning of all equipment, integration with the centralized controller, submission of deliverables and acceptance by the University.

The tentative quantities are given in SOQ as Annexure–I. However the actual joint measurement of work done will be acceptable for payments of bills submitted.

9. Time Schedule:

The time stipulated for completion of supply of Wifi Networking AP Device and accessories is 30 days from issuance of letter of award.

10. Nalanda University's Rights:

NALANDA UNIVERSITY reserves the right to accept a quotation other than the lowest and to accept or reject any quotation in whole or part, or to reject all the quotations received with or without assigning any reasons.

11. Extension Order:

Repetition of order: If required, Nalanda University reserves right to place 100% extension order or part hereof awarder work order on company subjected to the condition within one year from date of order.

12. Additional Quantity: Subject to applicable procurement rules, Nalanda University may vary the quantities or place an extension order at the accepted rates and terms. Payment shall be based on actual quantities supplied, installed and accepted.

13. Liquidated Damage:

If the work is not completed within the stipulated period, Liquidated Damages may be levied at 0.5% of the value of the delayed portion per week or part thereof, subject to a maximum of 5% of the total contract value.

14. Acceptance:

It is not binding to the University to accept the lowest or any tender. The Nalanda University reserves the right to accept or reject any offer at its option or place order with more than one supplier for full or part quantity of this enquiry without assigning any reason and the same shall be binding on suppliers unless otherwise stated in the offer. No correspondence shall be entertained on this account.

15. Disputes:

Any dispute arising out of or in connection with this enquiry/contract shall be subject to the jurisdiction of the competent courts at Rajgir, District Nalanda, Bihar. Unless specifically stated otherwise in the offer, submission of the quotation shall be deemed acceptance of all terms and conditions of this enquiry.

Enclosed: Annexure I – Schedule of Quantities

16. Bid Security/EMD exemption, where applicable, shall be admissible to eligible Micro and Small Enterprises upon submission of a valid Udyam Registration Certificate covering the relevant category, subject to the applicable Government procurement rules and conditions.

Sincerely

Engineering Section (Electrical)
Nalanda University, Rajgir

GENERIC TECHNICAL SPECIFICATIONS

Enterprise Wi-Fi 6 Access Points (Indoor and Outdoor)

Reference performance class: TP-Link EAP610 / EAP610-Outdoor or technically equivalent

These specifications define the minimum requirements. The offered Access Points shall be enterprise-grade, controller-managed and fully compatible with a common centralized WLAN controller supplied under this procurement. Indoor and outdoor models shall operate on the same OEM management platform with unified SSIDs, VLANs, security, roaming, monitoring, firmware and reporting policies. Standalone-only Access Points shall not be accepted.

1. Scope

Supply, installation, configuration, testing and commissioning of enterprise-grade dual-band Wi-Fi 6 Access Points for indoor and outdoor campus applications, complete with mounting accessories, PoE requirements, licences and integration with a centralized WLAN controller / management platform.

2. Common Minimum Technical Requirements

Sl. No.	Parameter	Minimum Requirement
1	Device Type	Enterprise-grade managed wireless Access Point suitable for high-density campus, academic, office, hostel, residential and common-area deployment.
2	Wireless Standard	IEEE 802.11a/b/g/n/ac/ax (Wi-Fi 6) or higher; backward compatible with legacy Wi-Fi clients.
3	Frequency Bands	Simultaneous dual-band operation in 2.4 GHz and 5 GHz bands, subject to WPC/DoT regulations applicable in India.
4	Aggregate Data Rate	Minimum AX1800 class, with aggregate theoretical wireless data rate of approximately 1.7 Gbps or higher.
5	Radio Configuration	Minimum 2x2 MU-MIMO on both 2.4 GHz and 5 GHz radios.
6	Channel Width	20/40 MHz on 2.4 GHz and 20/40/80 MHz on 5 GHz; automatic channel selection and dynamic channel management through controller.
7	Wi-Fi 6 Features	OFDMA, 1024-QAM, MU-MIMO, Beamforming, BSS Colouring, Target Wake Time, Airtime Fairness and Band Steering, or equivalent.
8	Client Capacity	Designed to support at least 200 associated clients per AP in aggregate. The bidder shall declare the OEM-recommended simultaneously active-client capacity under typical enterprise traffic conditions.
9	Ethernet Interface	Minimum 1 x 10/100/1000 Mbps auto-negotiating RJ45 Ethernet port; 2.5 GbE may be offered.
10	Power Supply	IEEE 802.3af/802.3at PoE or higher. Any required PoE injector, adapter or compatible PoE switch shall be clearly specified.
11	VLAN Support	IEEE 802.1Q VLAN tagging, multiple SSID-to-VLAN mapping, management VLAN and dynamic VLAN assignment through RADIUS/controller.

Sl. No.	Parameter	Minimum Requirement
12	SSIDs	Minimum 8 SSIDs per radio or 16 SSIDs per AP, with centralized creation, scheduling and policy enforcement.
13	QoS	WMM, traffic prioritization, per-user/per-SSID rate limiting, airtime fairness and bandwidth control.
14	Security	WPA2/WPA3 Personal and Enterprise, 802.1X, AES encryption, MAC authentication/filtering, client isolation, rogue AP detection, access control and protected management access.
15	Authentication	Captive portal, local/user authentication, voucher, SMS/API/RADIUS/LDAP integration where supported, and guest-network access management.
16	Roaming	IEEE 802.11k/v/r or equivalent fast/seamless roaming, assisted roaming, load balancing and band steering through centralized controller.
17	Mesh / Wireless Uplink	Controller-managed mesh or wireless uplink support for locations where wired backhaul is temporarily unavailable.
18	IPv4 / IPv6	Full support for IPv4 and IPv6 addressing and management.
19	Management Protocols	Secure HTTPS/SSH, SNMP v2c/v3, syslog, NTP, LLDP, firmware backup/restore and remote diagnostics, as applicable.
20	Firmware	Centralized bulk firmware upgrade, scheduled upgrade, configuration backup and rollback. Firmware/security updates shall be available from OEM.
21	Certifications	CE/FCC/RoHS or equivalent certifications; valid WPC ETA and other statutory approvals applicable in India. The bidder shall submit documentary evidence with the offer.
22	Warranty	Minimum 3 years comprehensive OEM warranty, including firmware updates and technical support.

3. Mandatory Centralized Controller Compatibility

Sl. No.	Controller Feature	Mandatory Requirement
1	Controller Architecture	Each AP shall be fully adoptable and manageable through the centralized WLAN controller/platform offered by the same OEM. All indoor and outdoor APs shall be supported on a single controller and dashboard. Standalone-only APs shall not be accepted.
2	Controller Options	The solution may support hardware controller, on-premises software/virtual controller, private cloud or OEM cloud controller. The offered mode and all licence implications shall be clearly stated.
3	Existing Controller Integration	The offered AP make, model and hardware revision shall be officially supported by the offered controller and firmware version. The bidder shall submit the OEM datasheet and compatibility matrix with the bid.
4	Unified Management	Single dashboard for AP discovery/adoption, provisioning, configuration, health monitoring, topology, clients, SSIDs, VLANs, radio settings, security policies, alerts and reports.
5	Zero-Touch Provisioning	Automatic AP discovery, one-click/bulk adoption, template-based configuration and zero-touch or plug-and-play provisioning.

Sl. No.	Controller Feature	Mandatory Requirement
6	RF Management	Centralized automatic channel selection, transmit-power control, interference detection, band steering, load balancing and RF optimization.
7	Roaming Control	Centralized coordination of fast roaming, minimum RSSI thresholds, sticky-client mitigation and client steering.
8	Monitoring and Analytics	Real-time and historical monitoring of AP uptime, radio utilization, connected clients, throughput, signal strength, interference, alarms and events; exportable reports/logs.
9	Centralized Security	Common enforcement of WPA2/WPA3-Enterprise, 802.1X/RADIUS, guest portal, access-control lists, rogue AP detection and client isolation.
10	Centralized Firmware Management	Bulk and scheduled firmware upgrade/downgrade, firmware compatibility checks, configuration backup and recovery.
11	High Availability	Controller shall support backup/redundancy or documented recovery mechanism. APs shall continue serving existing WLANs during temporary loss of controller connectivity, except controller-dependent portal/authentication functions.
12	Scalability	The controller/platform shall support at least 300 APs, thereby covering the proposed 250 APs with not less than 20% spare capacity. The bidder shall declare the maximum supported AP and client capacity for the offered controller and licence.
13	Licensing	All hardware, perpetual/subscription licences, cloud subscriptions and support required to centrally manage the complete solution for at least 5 years shall be included in the quoted price. No undisclosed per-AP, analytics, support or cloud licence shall remain.
14	API / Integration	Northbound REST API, syslog, SNMP and/or webhook integration shall be supported for NMS/SIEM/ITSM integration, where available.
15	Role-Based Access	Role-based administrator accounts, audit logs, secure remote access and multi-site/site-group management.
16	Unified OEM Ecosystem	All indoor APs, outdoor APs and the centralized controller shall be from the same OEM and shall operate under one common management dashboard. Mixing incompatible controller or AP ecosystems shall not be permitted.

4. Indoor Access Point - Additional Requirements

Sl. No.	Parameter	Minimum Requirement
1	Form Factor	Low-profile ceiling/wall-mount indoor AP with integrated antennas and aesthetically suitable enclosure.
2	Antenna	Integrated dual-band omni-directional antennas; minimum antenna gain to be declared by bidder.
3	Mounting	Ceiling and/or wall mounting kit included.
4	Environment	Operating temperature and humidity suitable for non-air-conditioned hostel corridors, classrooms, offices and residences.
5	Plenum / Fire Safety	Housing material shall be flame-retardant and compliant with applicable safety standards.

5. Outdoor Access Point - Additional Requirements

Sl. No.	Parameter	Minimum Requirement
1	Enclosure	Weatherproof and UV-resistant outdoor enclosure, minimum IP65; IP67 preferred.
2	Antenna	Integrated or external dual-band omni/directional antennas suitable for the proposed coverage design; gain and radiation pattern shall be submitted.
3	Surge/ESD Protection	Built-in ESD and lightning/surge protection suitable for outdoor Ethernet and power interfaces. External surge protection and earthing shall be provided where required.
4	Mounting	Pole and wall mounting hardware, stainless-steel clamps and weather-resistant accessories included.
5	Operating Environment	Suitable for outdoor operation under high temperature, humidity, dust and rain conditions. Minimum declared operating range should preferably cover -20°C to +55°C or better.
6	Cable Entry	Weather-sealed Ethernet cable gland and outdoor-rated cable termination arrangement.

6. Installation, Configuration and Deliverables

- Site survey and RF planning, including heat-map / predictive coverage plan and AP placement schedule.
- Installation, labelling, earthing and weatherproofing of all APs and accessories.
- Integration with centralized controller, switches, VLANs, DHCP, RADIUS/AAA, captive portal and existing LAN, as applicable.
- Configuration of SSIDs, security, roaming, RF optimization, guest access and monitoring policies.
- Coverage, throughput, roaming and concurrent-user testing after installation.
- As-built drawings, IP/VLAN schedule, controller configuration backup, licence details, warranty certificates and OEM datasheets.
- Administrator training and handover of all credentials, licences and documentation to the purchaser.

Important Procurement Note: The bidder shall quote the exact make, model and hardware revision for indoor AP, outdoor AP and centralized controller. Compatibility shall be demonstrated through OEM datasheets/compatibility matrix and, if required, a proof of concept. Generic claims without documentary evidence may be treated as non-responsive.

No. NU/NIT/Wi-Fi AP/2026-27/_____

Date: 23.07.2026

Annexure I
Schedule of Quantities



Sl. No.	Particulars	Unit	Qty	Unit Rate (INR) Inclusive of GST	Total Amount (INR) Inclusive of GST
1	Enterprise Wi-Fi 6 Indoor Access Point, minimum AX1800 class, including mounting kit and all accessories; reference performance class: TP-Link EAP610 or technically equivalent. The AP shall be fully compatible with the offered centralized WLAN controller.	No.	200		
2	Enterprise Wi-Fi 6 Outdoor Access Point, minimum AX1800 class, weatherproof enclosure minimum IP65, including pole/wall mounting kit, weatherproof accessories and surge protection; reference performance class: TP-Link EAP610-Outdoor or technically equivalent. The AP shall be fully compatible with the offered centralized WLAN controller.	No.	50		
3	Centralized WLAN Controller / Management Platform from the same OEM as the offered APs, capable of managing at least 300 APs, complete with all required licences/subscriptions and support for 5 years; reference performance class: TP-Link Omada OC400 or technically equivalent.	Set	1		

NOTE:

1. Rates in various tapering steps shall not be considered.
2. The offers, with rates given in any form/Performa, other than mentioned above may be liable for rejection.
3. All statutory taxes, duties, levies and incidental charges shall be included in the quoted rates and shall be the responsibility of the bidder.
4. While quoting the prices, the quality of material and works shall be confirming to the applicable standards.
5. 100 % payment shall be released after supply of good on door and confirmation of its quality

Signature of Tenderer
Name in full & Designation