



VIDYASAGAR UNIVERSITY

MIDNAPORE ★ WEST BENGAL ★ PIN 721102

Phone: (03222) 297937::276554 :: 276555 :: 276557 :: 276558

TENDER NOTICE

Quotation Notice No: VU/FO/Tender/08/2026

Date: 15 /06/2026

Sealed quotations are invited by the Finance Officer, Vidyasagar University from the bonafied, experienced, reputed, reliable vender for supply, installation and commissioning of Wi-Fi Solution in Vidyasagar University.

The Sealed quotation to be submitted and should contain i) Company Credential ii) Valid GST Registration Certificate and latest returns iii) PAN iv) P.TAX v) IT Return vi) Make, Model, brochure of all products quoted vii) Similar nature of experience of implementing Wi-Fi solutions in any organization and viii) filled in price bid (this page) with unit rate inclusive of all statutory taxes & Transportation Charges.

Last Date of submission of Quotations: 23/06/2026.

The University reserves the right to accept/reject any offer without assigning any reason.

Terms & Condition:

1. Price should be inclusive of Statutory Taxes, Transportation Charges and Installation Charges.
2. Delivery and installation within 15 days from the placement of P.O.
3. The Vender must have valid documents of Establishment Certificate, GST registration Certificate, PAN Card, up to date clearance of IT Return, P.T. Return Certificate [Please enclose Certificates]
4. Payment will be made after successful installation and Commissioning.
5. Payment will be made against the actual quantities/measurement of material supplied/work done.
6. The bidders who have been delisted or debarred by any Govt. Dept. shall not be eligible in any way.
7. Tender remains valid for Three (03) months.

Details specifications of the solution is enclosed in Annexure-1:

Sl.No	Particulars	Qty	Unit Rate	Total Price	Total Tax	Total price (Inclusive All Taxes)
1.	Delivery, Installation and Commissioning of Access Point (AP) as mentioned in the Technical Specifications under Annexure-1	5				
2.	Delivery, Installation and Commissioning of Hardware Controller as mentioned in the Technical Specifications under Annexure-1	1				
Total Amount (incl. of all taxes)						

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ANNEXTURE-1

Technical Specifications with Compliance Sheet of the proposed AP and Controller:

Sl. No.	Specifications	Yes/No	Deviation if any
Hardware & Physical Design			
1	The AP shall feature a robust indoor-rated enclosure designed for reliable long-term operation.		
2	The AP shall support a minimum of one 2.5GBASE-T RJ-45 Ethernet interface for uplink connectivity.		
3	AP shall have either internal or external at least dual-Band (2.4 GHz, 5GHz) Omni-directional Antenna.		
4	AP should be compatible for Simple mounting on any wall or ceiling surface.		
5	Shall support Operating Temperature from minimum 0°C to maximum 60°C.		
Wi-Fi Standards & Radio Features			
6	The AP shall have dedicated dual radios supporting simultaneous operation in 2.4 GHz and 5 GHz frequency bands.		
7	The AP shall support aggregate dual-band Wi-Fi data rates of at least 1148 Mbps on 2.4 GHz and 2402 Mbps on 5 GHz as per IEEE 802.11ax standard.		
8	The AP shall support uplink and downlink MU-MIMO along with OFDMA as per IEEE 802.11ax standard.		
9	The AP shall support 1024-QAM modulation as per IEEE 802.11ax standard.		
10	AP shall support Wi-Fi 6 features including BSS Colouring and Target Wake Time (TWT) as per IEEE 802.11ax standard.		
11	The AP shall comply with IEEE 802.11ax standard and support Wi-Fi 6 features.		
12	The proposed Access Point shall support IEEE 802.11ax (minimum Wi-Fi 6) standard and shall maintain backward compatibility with legacy IEEE 802.11a/b/g/n/ac wireless standards.		
13	The AP shall support a minimum 4x4:4 MU-MIMO radio architecture without reduction of any supported features or performance capabilities.		
14	The AP shall support configurable dynamic channel bandwidths from 20 MHz and up to 80 MHz as per IEEE 802.11ax standard.		



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15	The AP shall support high client-density environments with optimized performance for concurrent wireless users.		
16	The AP shall support minimum transmit power of 20 dBm EIRP on 2.4 GHz and 23 dBm EIRP on 5 GHz bands. However, actual deployment shall comply with applicable regulatory domain limits.		
17	The AP shall support traffic prioritization using QoS and WMM features for voice, video, and data applications (802.11e).		
18	The AP shall support intelligent RF optimization features including Band Steering, Beamforming, Airtime Fairness, and Load Balancing.		
19	The AP shall support IEEE 802.3at PoE+ for power and data connectivity over Ethernet.		
Security & Authentication			
20	The AP shall support WPA2-PSK and WPA3-PSK security standards with backward compatibility for legacy WPA clients.		
21	The AP shall support 802.1X WPA2/WPA3-Enterprise authentication using external RADIUS/AAA servers.		
22	The AP shall support wireless MAC address filtering, client isolation, and SSID-to-VLAN mapping features.		
23	The AP shall support rogue access point detection and monitoring.		
24	The AP shall support mesh networking or WDS functionality for wireless backhaul connectivity.		
Management Features			
25	The AP shall support centralized controller-based operation as well as standalone autonomous mode.		
26	The AP shall support centralized management through hardware and/or software controllers and shall be compatible with SDN-based network management architecture.		
27	AP shall support centralized software controller functionality deployable on customer-owned on-premise virtualized server infrastructure.		
Controller Features (of both Hardware & Software controller)			
28	The Hardware Controller must have at least 2× 10/100/1000 Mbps Ethernet Ports and 1× USB 3.0 Port		
29	The hardware controller support WDS or MESH networking, QoS and WMM, Authentication Policy and Captive Portal, L3 management, SNMP, Email notification, access control features		



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30	The Controller should support handling at least 10000 concurrent Clients		
31	The Controller shall support Management VLAN and SSID-to-VLAN mapping.		
32	The Controller shall support customizable captive portal access control and user/SSID-based bandwidth rate limiting.		
33	The AP shall transparently bridge DHCP traffic and allow wireless clients to obtain IP addresses from centralized DHCP servers.		
34	The controller shall support dynamic VLAN assignment for wireless clients based on RADIUS VLAN tunnelling attributes through IEEE 802.1X authentication.		
35	The controller shall support rogue access point detection and monitoring.		
36	Controller can be managed from Cloud and SDN Ready		
37	Controller should Support authentication method using third-party SMS gateway.		
38	Controller should support Layer 3 discovery and adoption of Aps.		
39	Controller shall Manage Multiple Sites over Web with the Centralized Controller in a Single Location		
40	Controller Shall support L3 management, SNMP, Email notification		
41	Controller Shall Support Auto-backup via USB/Cloud		
42	The AP shall support scheduled reboot, wireless radio/SSID scheduling, and wireless statistics monitoring based on SSID, AP, and client devices.		
43	The wireless solution shall support automatic RF optimization including dynamic channel selection, transmit power adjustment, and self-healing capabilities.		
44	The wireless solution shall support automated AP onboarding and provisioning (Zero Touch) without requiring manual per-device configuration.		
45	Both hardware and/or software controllers wireless controller solution shall support High Availability (HA) architecture with automatic failover between primary and secondary controllers without requiring manual intervention.		
46	The AP/controller solution shall support L3 management, SNMP, email notifications, and remote CLI access through Telnet/SSH.		
Licenses			
47	The license mode (if any) of the AP will be perpetual in nature.		



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48	The AP Licenses in the hardware or software wireless controllers will be perpetual i.e. without recurring or additional controller licensing charges APs can be added in the WLC with all functionality up to the supported AP count as per requirements and documents submitted in this tender.		
49	The hardware Controller will come with at least 300 AP licences from Day 1		
50	Controller shall come with perpetual licence supporting all features i.e. free/life time licence validity with no Recurring or renewal cost.		
Certifications			
51	The AP OEM shall possess valid ISO 9001 (Quality Management System) and ISO 14001 (Environmental Management System) certifications.		
52	The WLC Device OEM shall possess valid ISO 9001 (Quality Management System) and ISO 14001 (Environmental Management System) certifications.		
53	The hardware Controller shall have CE, FCC, RoHS		
54	The country of origin of the proposed product shall be India (BIS Certificate required).		
55	The OEM POP (Registered Office/Technical Support Centre) should be in WB		
56	The proposed OEM shall be positioned in the Gartner Magic Quadrant for Enterprise Wired and Wireless LAN Infrastructure in the last year.		
57	The OEM of the proposed model should be present in India more than 5 years on paper.		
Warranty & Support			
58	The AP & Hardware WLC will have 5 years of comprehensive hardware replacement & software support.		
59	There should be TAC support of the OEM running 24X7.		
60	The faulty AP will be replaced within 7 days during the comprehensive support contract period.		
61	The faulty WLC hardware will be replaced within 7 days during the comprehensive support contract period.		