

CHANAKYA NATIONAL LAW UNIVERSITY

Nyaya Nagar, Mithapur, Patna 1, Ph. No. – 0612-2352300, Website: <http://cnlu.ac.in>

NIQ No.- 39/2024-25

Date : 29.11.2024

Short Tender Notice

Chanakya National Law University invites quotations in a single bid system from the reputed system integrator / retailers.		
1	Name of the Work	Work of Networking and Installation of Wi-Fi Access Points, along with necessary miscellaneous items for internet distribution, at the Hall on the Third Floor of Academic Block II, Hall in the Basement of the Administrative Block and VIP Guest House within the CNLU campus.
2	Cost of Document (Non-Refundable)	Rs. 750/- (Rupees Seven Hundred Fifty) shall be paid through https://eproc2.bihar.gov.in
3	Earnest Money Deposit	Rs. 10,000/- (Rupees Ten Thousand) shall be paid through https://eproc2.bihar.gov.in .
4	Start Date	29.11.2024
5	Pre Bid Meeting	02.12.2024 at 01:00 pm
6	Last Date & Time for Uploading of Quotation	till 02:00 pm on 06.12.2024
7	Date & Time of Opening of Technical Quotation	till 02:30 pm on 06.12.2024
8	Date & Time of Opening of Financial Quotation	on 02:30 pm on 06.12.2024
9	Place of Opening of Quotation	Registrar's Chamber
10	Periods of Financial Quotation Validity	30 days
11	Officer inviting Quotation	The Registrar, CNLU, Patna.
12.	For participation in E-tendering proc. The contractor shall have to get themselves registered to get User ID, Password & Digital Signature. This will enable accessing the website https://eproc2.bihar.gov.in and download / Participate in E-Tender.	
13	The tender document can be obtained through our website https://eproc2.bihar.gov.in & https://www.cnlu.ac.in	
14	(i) The Tender Processing Fee must be paid through online modes, including Internet Payment Gateway (Credit/Debit Card), Net Banking, or NEFT/RTGS. (ii) Online payments should be submitted via the e-procurement portal at https://eproc2.bihar.gov.in before the date and time specified in the NIQ. (iii) CNLU / BELTRON shall not be responsible for any delays or issues caused by internet unavailability, network traffic, holidays, unforeseen circumstances, or any technical glitches during the online submission of quotations.	
15	For any queries or clarifications, please send an email to registrar@cnlu.ac.in on or before the scheduled date and time of the Pre-Bid meeting. Emails received after the specified date and time of the Pre-Bid meeting will not be considered.	
16	For support related to the e-tendering process, quotationers may contact: E-procurement HELP DESK, mjunction services limited RJ Complex, 2 nd Floor, Canara Bank Campus, Khajpura, Ashiana Road, P.S. –Shastri Nagar, Patna-800014, Bihar, Contact No. 18005726571.	

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Scope of the work

1. The scope includes the **work of Networking and Installation of Wi-Fi Access Points, along with necessary miscellaneous items for internet distribution, at the Hall on the Third Floor of Academic Block II, Hall in the Basement of the Administrative Block and VIP Guest House within the CNLU campus:**

Eligibility Criteria

Documents mentioned below is eligible to participate in this NIQ:

1. Scan of the document (Name of the quotationer, Address with contact number, FAX, E-mail of the Firm and Firm's Bank Account Details with Bank Name & Address and IFSC / RTGS codes).
2. Scan of Annexure-I
3. Scan of Affidavit related to litigation history as per Annexure-II on Rs. One Hundred Non Judicial Stamp Paper
4. Scan of original document of only one work order / agreement of Rs. 3,00,000.00 (Rupees Three Lakhs) or more, for Supply, Installation & Commissioning of Wi-Fi related work in reputed Educational Institute / University of Bihar State Government during the financial year 2024-25 .
5. Scan of PAN card & GST certificate of quotationer.
6. Scan Copy of document of IT return of financial year 2021-22, 2022-23 and 2023-24.
7. Scan of Brochure with detailed specification of quoted make & model of Access Point, Wi-Fi Controller, Failover Device, 8 port PoE Switch, 16 Port PoE Switch, UPS etc.
8. Scan of authorisation letter from OEM of Access Point for participating in this NIQ.
9. Scan of NIQ specific Compliance Certificate issued by OEM for specification mentioned in Annexure-I for Access Point & Wi-Fi Controller

Terms & Conditions

1. Each Broadband Connection will be of different Company
2. Manner of submission of the Quotation: Online through <https://eproc2.bihar.gov.in>
3. All the documents, annexed with technical quotation, should be duly signed, stamped and indexed properly.
4. Affidavit related to litigation history as per Annexure-II on Rs. One Hundred Non Judicial Stamp Paper should be submitted to University Office by hand or sent by Post at the address "Registrar, Chanakya National Law University, Nyaya Nagar, Mithapur, Patna-800001" so as to reach up to 02: 00 pm on 06/12/2024
5. Documents as mentioned in Eligibility Criteria are mandatory. Quotationer should annex all the copy of Genuine documents with technical quotation otherwise their technical bid shall be declared non responsive.
6. Quotationer or their authorised representative will remain present during the opening of technical quotation and quotationers whose technical quotation is declared responsive will remain present at the time of opening of Financial quotation.
7. Work will be completed within Ten (10) days from the date of purchase order. If the work is not completed within the stipulated completion period liquidated damages @ 0.5% of contract value without GST per week of delay will be levied (subject to maximum of 10%). If the liquidated damages reach the level of 10% the contract is liable to be rescinded.
8. The price will remain firm and fixed during the pendency of the contract. It will not vary on any account whatsoever.
9. Incomplete quotation and quotation without **genuine documents** are liable for rejection.
10. **Chanakya National Law University reserves the right to withdraw / cancel / amend the quotation at any stage without assigning any reason whatsoever.**
11. **Clarification regarding contents of the quotations:**
 - a. During evaluation and comparison of quotations, the Buyer may, at its discretion, ask the quotationer for clarification of his quotation. The request for clarification will be given in writing and no change in prices or

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substance of the quotation will be sought, offered or permitted. No post-quotation clarification on the initiative of the quotationer will be entertained.

- b. The University will be at liberty to involve any expert or team of experts in evaluating the quotation for completing the entire tender process.

12. Supplier's Obligations:

The Supplier is bound by the following obligations:

a. Collaboration with Purchaser:

The Supplier is required to maintain close cooperation with the Purchaser's team. This entails working within their designated authority and adhering to directives issued by the Purchaser concerning implementation activities.

b. Compliance with Safety Measures:

The supplier is expected to adhere to the prevailing job safety standards in India. Furthermore, the supplier shall indemnify and absolve the purchaser of any claims or liabilities arising from accidents or loss of life caused by the supplier's negligence. The supplier is responsible for the payment of all indemnities resulting from such incidents and shall not hold the purchaser liable or accountable.

c. Responsibility:

The installation of the supplies are exclusively within the domain of the supplier. This scope encompasses the full installation & Configuration.

d. Confidentiality:

The Supplier is obligated to treat all data and information concerning the Purchaser, obtained in the course of executing their responsibilities, with the utmost confidentiality. The Supplier shall not disclose such information to any third party without prior written consent from the Purchaser.

13. Settlement of Disputes :

- a. In the event of any dispute, controversy, or claim arising in relation to or in connection with the Purchase Order (P.O.) or Agreement, it shall be subject to the exclusive jurisdiction of the courts in Patna.

14. The OEM of the Access Points, Wi-fi Controller, PoE Switch, and Media Converter will remain the same.

15. The quantity of items mentioned in Annexure II is tentative and may vary as per requirements.

16. **CAT 6 cable will be provided by the University. PVC Pipe will be of Malhotra / Durga make The wiring cost will be calculated based on the actual quantity installed.**

17. The University will purchase either a **Fibre Module** or a **Media Converter**.

18. The **EMD** (Earnest Money Deposit) will act as performance security and will be returned after the ten days from the date of release of final payment of work..

19. Acceptance Certificates:

Upon successful completion of the work, the receipt of deliverables, the measurement of wiring, and the satisfaction of the purchaser, an acceptance certificate, signed by both the supplier and a representative/concerned committee of the purchaser, will be issued. The date on which this certificate is signed will be considered the official date of the successful completion of the work.

20. Payment Terms :

Payment shall be remitted in Indian Rupees, as outlined below:

- I. Payment shall be made after the issuance of the Acceptance Certificate.
- II. **Deductions** : Statutory deduction as applicable.

Sd/-
Registrar, CNLU, Patna

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Annexure-I

<u>Sr. No.</u>	<u>Specifications</u>	<u>Quoted Make & Model</u>	<u>Whether specifications matched or not</u>
1	<p><u>Indoor Access Points</u></p> <p>Warranty Three Years</p> <p>AP shall have hardened enclosures for indoor deployment and shall have a robust design for durability</p> <p>It shall have dual radios for concurrent dual band (5 GHz / 2.4 GHz) operation</p> <p>It shall have Simultaneous 574 Mbps on 2.4 GHz and 1201 Mbps on 5 GHz totals 1775 Mbps Wi-Fi speeds</p> <p>AP must support 1024 QAM</p> <p>AP must Support WEP, WPA-Personal/Enterprise, WPA2-Personal/Enterprise, WPA3-Personal/Enterprise</p> <p>Minimum 1 number of 1 Gbps Ethernet port RJ-45.</p> <p>AP shall support Multi user MIMO</p> <p>AP shall support Outfitted with the latest 802.11ax technology</p> <p>The AP shall comply with IEEE 802.11ax at a minimum and be backwards compatible to IEEE 802.11a/b/g/n/ac standards.</p> <p>AP shall operate at least in full 2X:2 MIMO or more mode without any loss of features or capabilities</p> <p>AP shall Support PoE 802.3at PoE for convenient and affordable installation</p> <p>AP must support 20 MHz, 40 MHz and 80 MHz channels.</p> <p>Each AP must support a minimum 80 concurrent clients in total (including both 2.4GHz and 5GHz radios).</p> <p>The AP shall provide a minimum of 20 dBm EIRP for both 2.4 GHz and 23 dBm for 5 GHz frequencies. Field deployment shall be with EIRP as per regulatory guidelines.</p> <p>AP shall support QoS and WMM latest technology</p> <p>AP shall support Multiple operating modes including managed AP and standalone AP mode</p> <p>AP shall support Band Steering, Beamforming, Airtime Fairness and Load Balance and OFDMA features</p> <p>AP shall support rogue access point detection</p> <p>AP shall have dual-Band Omni-directional Antenna, either internal or external. Field deployment shall be with EIRP as per the WPC guideline.</p> <p>AP should be compatible for Simple mounting on any wall or ceiling surface</p> <p>AP should support management VLAN</p> <p>AP should support Captive portal and Rate limit feature</p> <p>AP shall support Reboot Schedule, Wireless Schedule and Wireless Statistics based on SSID/AP/Client</p> <p>Intelligent RF control plane for self-healing, and self-optimization</p>		

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	<p>AP Shall support Wireless Mac Address Filtering, Wireless Isolation Between Clients and SSID to VLAN Mapping</p> <p>AP shall support 802.1X authentication and external radius server</p> <p>AP shall be able to assign the end User the IP address as received from backend core DHCP Server.</p> <p>AP shall support Hardware controller or Software controller and Zero-Touch Provisioning (ZTP)‡, Centralized Cloud Management, and Intelligent Monitoring.</p> <p>Shall support Operating Temperature of 32°F~144°F or better</p>		
2	<p><u>Wi-Fi Controller</u></p> <p>Warranty Three Years</p> <p>Controller must have 2× 10/100/1000 Mbps Ethernet Ports and 1× USB 3.0 Port</p> <p>Controller support WDS or MESH networking*</p> <p>Controller shall support QoS and WMM latest technology</p> <p>Controller Supports Free Authentication Policy and Captive Portal Advertisement</p> <p>Controller shall support Band Steering, Beamforming, Airtime Fairness and Load Balance features</p> <p>Controller shall support rogue access point detection</p> <p>Controller Must Support Support 15000 Clients</p> <p>Controller should support management VLAN</p> <p>Controller should support Captive portal and Rate limit feature</p> <p>Controller shall support Reboot Schedule, Wireless Schedule and Wireless Statistics based on SSID/Controller/Client</p> <p>Intelligent RF control plane for self-healing, and self-optimization</p> <p>Controller Shall support Wireless Mac Address Filtering, Wireless Isolation Between Clients and SSID to VLAN</p> <p>Controller shall support 802.1X authentication and external radius server</p> <p>Controller shall be able to assign the end User the IP address as received from backend core DHCP Server.</p> <p>Controller shall support Cloud Manageability and SDN Ready</p> <p>Controller shall come with at least 500 Devices Including Switches , Gateways and AP from Day 1</p> <p>Controller shall come with life time no Recurring or renewal cost</p> <p>Controller Support authentication method like SMS and Facebook authentication</p> <p>Supports Layer 3 Adaptation</p> <p>Controller shall Manage Multiple Sites over Web with the Centralized Controller in a Single Location</p> <p>Controller shall Intuitive Real Time Monitoring and data usage</p> <p>Controller shall support remote upgrade and access control features</p> <p>Controller Shall support L3 management, SNMP, Email notification</p> <p>Controller Shall Support Auto-backup via USB</p> <p>Controller shall support smooth operation on 50 Degree Celsius</p>		

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	Controller shall support Rack Mounting Controller shall have CE, FCC, RoHS		
3	<u>All PoE port 8-Port Switch for above mentioned Access Point</u> Warranty Three Years 150 W PoE Budget: 8x 802.3at/af-compliant PoE+ ports with a total power supply of 150 W*. All Full Gigabit PoE Ports: 8x 10/100/1000 Mbps RJ45 Ports, all supporting PoE+ (Auto-Negotiation/Auto MDI/MDIX), 2x 100/1000 Mbps SFP Slots Centralized Cloud Management, and Intelligent Monitoring. IP-MAC-Port Binding, ACL, Port Security, DoS Defend, Storm Control, DHCP Snooping, 802.1X, Radius Authentication, and more. Optimize Voice and Video Applications: L2/L3/L4 QoS and IGMP snooping. Switching Capacity 20 Gbps, Packet Forwarding Rate 14.9 Mbps, Certification CE, FCC, RoHS, Rack Mounting		
4	<u>Fibre Module for 8-Port PoE Switch</u> 1.25 Gbps, 1310nm, LC duplex,		
5	<u>Rack</u> Wall Mounting, 4U Rack with 4 Power Socket Plug Transparent Glass Door Metal Cabinet Box(, Cooling Fan, Size compatible with installation of above mentioned 8 port PoE Switch		
6	<u>Offline UPS</u> UPS with Load Capacity of 660 Watts / 1100 VA Five 6A, 2/3 Pin Indian Power Socket (4 Battery Backed-up & Surge Protected plus 1 Surge Only Protected Outlet) Automatic Voltage Regulator (AVR) with Wide Input Voltage Range 145-290V 2x7.2Ah Battery Generator Compatible Compatible with low power loads e.g. Wi-Fi router, DSL modem Cold start capability allows the load to power on just on battery Stays quiet during a changeover from mains to generator 1 Year of Warranty including Battery		
7	<u>Optical Fibre</u> Standard Quality, Single Mode Two Core		

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8	<u>Optical Fibre Small Junction Box</u> Standard Quality		
9	<u>Gigabit Single-Mode Media Converter for Single mode Optical Fibre</u> Warranty Three Years Auto-negotiation of Half-Duplex / Full-Duplex transfer mode Extends fiber distance up to 20km Dual Fibre Ports, SC/UPC port 1× 10/100/1000M RJ45 port (Auto MDI/MDIX) Wave Length 1310nm Network Media 1000BASE-LX, Single-mode Fiber, Two port for Fibre		
10	<u>Optical Fibre Patch Cable</u> Standard quality, Duplex, 1 Metre, Mode as per Media Converter / Fibre Module		
11	<u>16-Port PoE Switch with 2 SFP Ports and SFP Module</u> Warranty: Three Years Should have 16× PoE+ gigabit RJ45 ports, 2× gigabit non-PoE RJ45 ports and 2× combo gigabit SFP slots Should support PoE Auto Recovery automatically reboots your dropped or unresponsive PoE-powered devices. Should have High PoE power budget with up to 30W for each PoE port and 250W for all PoE ports Should have at least 36 Gbps switching fabric. Should have support Packet Forwarding of 26.78 Mbps and Packet buffer of 4.1Mbit Should have support L2 Features like IGMP Snooping V1/V2/V3, Static Link Aggregation, Port Mirroring, Cable Diagnostics, Loop Prevention Should support at least 8K entries in the MAC table. Should Support up to 4K VLANs simultaneously out of 4K VLAN IDs Should have support up to 32 VLANs simultaneously (out of 4K VLAN IDs) MTU/Port/Tag VLAN Switch should support IEEE 802.3af & IEEE 802.3at on Ethernet ports & Min 192 PoE Power Budget. Should have AC Power Supply 100 to 240 V AC with 50 to 60 Hz and equipped with 3 pin plug. Switch should Operate between Temperature: 0°C~40°C Switch should come with Rack Mounting kit and all accessories Switch must be managed by WEB-GUI Device OEM must be ISO 9001 & 14001 Certified at the time of bidding		

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	Device OEM must be Gartner Magic Quadrant for Enterprise Wired and Wireless LAN Infrastructure in Last 4 Quarter		
12	<u>Rack</u> Wall Mounting, 9U Rack with 6 Power Socket Plug Transparent Glass Door Metal Cabinet Box(, Cooling Fan, Size compatible with installation of above mentioned 16 port PoE Switch		
13	<u>Internet Bandwidth</u> Broadband Link (200 Mbps, Plan) with necessary equipment over Fibre,		
14	<u>Failover Device for automatic switchover between connections</u> Warranty Three Years Architecture: ARM CPU: IPQ-5018 CPU Core Count: 2 CPU Nominal Frequency: 800 MHz Switch Chip Model: 88E6190 Router OS License: 5 Operating System: RouterOS v7 RAM: 512 MB Storage: 128 MB (NAND) MTBF: ~200,000 hours at 25°C Tested Ambient Temperature: -40°C to 70°C DC Inputs: 2 (DC jack, PoE-IN) DC Jack Input Voltage: 24-56 V Max Power Consumption: 40 W Cooling Type: Passive PoE In: 802.3af/at PoE In Input Voltage: 24-56 V PoE-Out Ports: Ether8 PoE Out Type: Passive PoE Max Out per Port (18-30 V): 1 A Max Out per Port (30-57 V): 450 mA Max Total Out (A): 1 A Ethernet Ports: 8 (10/100/1000 Mbps) 1G Ethernet Ports with PoE-Out: 1 SFP Ports: 1 (2.5G support) Serial Console Port: RJ45 USB Ports: 1 (USB 3.0 Type A) USB Power Reset: available		

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	Max USB Current: 1.5 A Mode Button: available Certifications: CE, EAC, ROHS IP Rating: IP20		
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Yours Sincerely

Authorised Signatory and Seal of the Quotationer,

Place and Date

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Annexure-II

Affidavit on Rs. 100/- Non-Judicial Stamp Paper

I / we declare

that

my / our company namely..... has not been black listed by any Government / Semi Government Organisation nor should have any litigation enquiry pending and / or initiated by any of these Department or Court of Law with regards to the works executed by our company since incorporation. No FIR has been lodged against us.

that

the documents annexed along-with the quotation are genuine and not tampered by me / us while copying.

that

I / We examined the tender document and have no reservations and I / We agreed with all the terms & conditions of NIQ no.- 39/2024-25 dated 29.11.2024. If my / our declaration above found fake or forged then:

- i. my quotation document shall be rejected
- ii. Letter of Intent / Purchase Order / Agreement, if issued, shall be canceled and
- iii. FIR shall be inflicted against my / our company / firm by the University.

Signature of the Quotationer / Authorized Signatory (Name & Designation)

Seal of the Quotationer

Place

Date