



Dr. Yashwant Singh Parmar University of Horticulture & Forestry

Nauni, Solan - 173 230 (Himachal Pradesh) India

Satyanand Stokes Library

No.UHF/LIB/SPSC/2025/- 595

Dated: 25.07.2025

Subject: - Notice Inviting Quotation.

Sealed Notice Inviting Quotation are invited for Supply, Installation, Testing and Commissioning of Indoor Wireless Hotspot Access Point in the SNS Library University of Horticulture and Forestry, Nauni-Solan through NKN Leased Line internet services. For the purpose duly sealed Quotations by Post are invited from registered firms/vendors as per Annexure-A-1, A-2 (Technical Proposal) and Financial Proposal. The **sealed NIQ should reach in the office of the undersigned latest by 04-08-2025 before 11.00 AM**. The eligible NIQ will be opened on the same day in the presence of the Intending Firms or their authorized representatives, if present. The rates of item should be quoted in figures and words. In case, date of opening of NIQ happens to be holiday the Quotation shall be opened on next working day. The undersigned reserves the right to accept / reject any/all NIQ without assigning any reason.

Indoor Wireless Hotspot Access Point Configuration (Specification)

Quantity =12 Aps

1. Indoor Wireless Hotspot Access Point Configuration VALUE		Compliance Y/N
Deployment	Indoor	
Type of Access Point	Controller Based	
Mounting	Ceiling	
Antenna Type	Internal	
Number Of Radios	Dual	
Frequency Band	2.4 GHz & 5.0 GHz	
Supported Wi-fi Standards	802.11ac Wave 2	
Wireless Speed Up to (Mbps)	1800	
Max Wireless Signal Range in Mts	50	
Channel Width (MHz)	80	
Maximum Data Rate MBps	1200	
Supported Encryption	WPA2 AES	
Dedicated Console Port	Available	
Receiver Sensitivity in db	-96	
Transmit power (tx)(dBm)	23	
Radio Resource Management such for power channel, coverage hole detection and performance optimization	Available	
Support for Load Balancing between 2-4 Ghz and 5 Ghz	Available	
Support for Configurable Carrier Threshold	Available	
Device Management	Web-based Configuration Interface (GUI)	

Ms. Rekha Kataria for n/s

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Support for MU-MIMO	Available	
Number of MIMO supported & Spatial Streams	2 x 2 :2	
Clients Nos	50	
Number of 10/100/1000 port	1	
Support for QoS and Video Call Admission Control capabilities	Available	
Support for Rogue access point detection	Available	
Support for Wireless Intrusion Protection System	Not Available	
Wi-Fi Certified	Yes	
Powering options (Such as AC/DC, 802/3af PoE, 802/3at PoE+), specify	802.3at PoE+	
Power POE (Watt)	16	
Environmental Standard : plenum-rated (UL2043) for Indoor	Yes	
Operating Temperature Range (Degree C)	0 to 40	
Operating Humidity (%RH)	90	
Weight (grams)	Below 500 grams	
On Site OEM Warranty (Years)	3	

2. Gigabit 8 Port PoE Switch (Specification) Qty = 4

Gigabit 8 Port PoE Switch Configuration	Value	Compliance Y/N
No of Ports	8	
Storage Temperature	-20 degree Celsius	
Operating Temperature	45 degree Celsius	
Network Port	2 10/100/1000Mbps Non-PoE RJ45 port (port 9 ~ port 10)	
Network protocol and standard	IEEE 802.3af/at Power over Ethernet	
Working Humidity	90 percent	
Storage Humidity	90 percent	
LEDs indicator	PoE	
Transfer Rate	100Mbps full Duplex, 10 or 100Mbps Half Duplex	
Power pin	1/2(+)	
Performance	10M port maximum 14,800pps	
Power Source	100 to 240 Watt	

3. CAT-6 Internet Cable (Specification) Qty. 500 Mtr :500 Mtr

Rates for the CAT-6 must be quoted inclusive of Laying, installation and Fitting the wire in Conduit pipe.

CAT-6 Internet Cable Configuration	Value	Compliance Y/N
Conductor	23 AWG Solid bare Copper	
Description of store	Cat-6 UTP Ethernet cable for WiFi - Indoor use	
No. of pair (in Nos.)	4	
Insulation	Polyethylene	
Pairs	2 Insulated conductors twisted together	

Sheath

FR-PVC Insulation thickness 0.2

Cable Diameter	6.1 mm Nominal	
Color code	White-Orange stripe and Orange (for Pair No. 1), White-Green stripe and Green (for Pair No. 2), White-Blue Stripe and Blue (for Pair No. 3), White-Brown stripe and Brown (for Pair No. 4)	
Characteristic Impedance	100+/-15 ohm	
Conductor resistance	<=9.38 ohm/100m	
Insulation resistance (in M.Ohm)	≥ 100	
Mutual Capacitance	< 5.6nF/100 m	
Resistance unbalance	5% Max	
Capacitance unbalance	330 pF/100m	
Delay Skew	<45nS	
NVP(%)	≥ 69%	
Operating Voltage	72 V	
Dielectric Strength	1.0KV dc or 0.75 KV ac for 1 Min	
Bending Radius	<25.4mm at -20 deg.C +/-1 deg.C	
Pulling Force	≥ 11.5 Kg	
Operating Temperature (in deg. C) Minimum	-20	
Operating Temperature (in deg. C) Maximum	60	
Storage Temperature Range (in deg. C)	0 to +50	
Connection System	Compatible with all common systems according to TIA/EIA 568-C.2 and ISO/IEC 11801 Class E	
Availability of test reports to prove conformity of the Specification from Central Govt. Lab/NABL accredited Lab/ILAC accredited Lab	Yes	

Note : BOQ Compliance with every field mentioned in should be in a format :

Name / specification of product	Value	Compliance in YES / NO
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ANNEXURE A-1 (TECHNICAL BID)

Sr. No.	Particulars	Details
1	Name of Registered Firms	
2	Owner Name	
3	Firm/ Business Address	
4	Telephone / Mobile Number	
5	E-mail ID	
6	PAN Details of Authorised Signatory	
7	GST Registration No	
8	Banker of the firm with Account Number and IFSC Code	

ANNEXURE A-2 (FINANCIAL BID) : Specification Document in accordance with BOQ Compliance**FINANCIAL PROPOSAL**

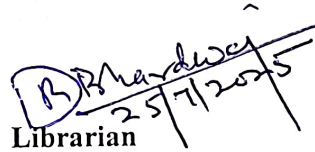
Kindly quote your price in a format below :

SN	ITEM SHORT DESCRIPTION	QTY	BASE PRICE OF ONE UNIT	BASE PRICE OF TOTAL UNITS	GST CHARGES	TOTAL AMOUNT
1	Indoor Wireless Hotspot Access Points <i>Note :Rates for Indoor Wireless Access point must be quoted with SITC</i>	12				
2	Gigabit 8 Port PoE Switch with SITC <i>Note :Rates quoted for the Gigabit 8 port PoE switch must be inclusive of required Electric Wire, Electric Switch and Sockets, 2 U Rack Enclosures with Laying, Service, installation and Fitting charges.</i>	04				
3	CAT-6 Internet Cable with SITC <i>Rates for Laying of CAT-6 must be quoted inclusive of required Conduit Pipe. All price quoted must be inclusive of Laying, installation and Fitting charges of CAT-6 Internet Wire in the Conduit pipe.</i>	500 Mtr				

TOTAL AMOUNT Rs(in Words)_____

TERMS AND CONDITIONS

1. Firms interested in participating in the said tender may visit the library premises on any working day during official hours.
2. Quoted price should include the Supply, Installation, Testing and Commissioning of the above mentioned product.
3. Kindly mention 'Quotation for the Establishment of Wi-Fi' at the top of the document.
4. Notice Inviting Quotations must be submitted in two parts: Technical (Technical A-1 and A-2) and Financial Proposals. The Technical Proposal should be submitted separately strictly according to the Format A-1 and A-2 (BOQ Compliance) supplied for the purpose.
5. All NIQ/Quotation Should reach to this office **BY POST Only** latest by 04-08-2025 before 11:00 AM addressed to :The Librarian, SNS Library, Dr. Y S Parmar University of Horticulture and Forestry, Nauni-Solan (HP) – 173230.
6. The rates quoted for the supply of Peripherals should be FOR Nauni.
7. Price should be inclusive of all charges viz Supply, Installation, Testing, Commissioning, Packing and Forwarding Insurance etc. Only GST should be claimed extra with specific mention in the quotation and no other charges.
8. The quotation received after due date will not be considered.
9. The institution does not issue any concessional Sales Tax Certification.
10. The NIQ will be available on the university Website www.yspuniversity.ac.in on the Tenders/ NIQ Button.


25/7/2025

Librarian
SNS Library,
Dr. Y S Parmar University of Horticulture
and Forestry, Nauni- Solan (HP) – 173230