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Dr. YS Parmar University of Horticulture & Forestry, Nauni,
Solan, 173230, Himachal Pradesh.
Satyanand Stokes Library

No.UHF/Lib/Store/3-44/2023/- 176

Dated: 22.05.2025

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 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 04-06-2025 before 2.00 pm.** 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	
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)
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	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

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

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 mm nominal
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

Kindly 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 (TECHNICAL BID) : Specification Document in accordance with BOQ Compliance

FINANCIAL PROPOSAL

Kindly quote your price in a format below :

Sr. No.	Item short description	Qty	GST Charges	Total Amount
1	WIRELESS HOTSPOT ACCESS POINT (Indoor)	12		
2	PoE Switch	04		
3	CAT-6 Ethernet Cable	500 Mtr.		

TOTAL AMOUNT Rs (in Words) _____

TERMS AND CONDITIONS

1. Quoted price should include the Supply, Installation, Testing and Commissioning of the above mentioned product.
2. 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.
3. All quotation Should reach to this office latest by **04-06-2025 before 2:00 PM** addressed to : **The Librarian, SNS Library, Dr. Y S Parmar University of Horticulture and Forestry, Nauni- Solan (HP) – 173230.**
4. The rates quoted for the supply of Peripherals should be FOR Nauni.
5. 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.
6. The quotation received after due date will not be considered.
7. The institution does not issue any concessional Sales Tax Certification.
8. The NIQ will be available on the university Website www.jspuniversity.ac.in on the Tenders/ NIQ Button.

(Signature)
Librarian 22/5/2025

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