



ਮਹਾਰਾਜਾ ਰਣਜੀਤ ਸਿੰਘ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ
Maharaja Ranjit Singh Punjab Technical University

(Established By Govt. of Punjab vide Punjab Act No. 5 of 2015 and Approved Under Section 2(f) & 12 (B) of UGC)

Ref No: ITES/2026/1438/1614-1620

Dated: 05/08/26

To

As per List Attached.

Sub: - Quotations for Networking Equipment

Dear Sir,

1. You are requested to quote the rates for the items shown in the Appendix 'A' separately attached to this letter. The rates must be quoted only on the attached paper as per our specifications.
2. Following shall be taken note of while quoting the rates:-
 - a. The rates will be F.O.R. MRSPTU, Bathinda.
 - b. Delivery period should be mentioned clearly.
 - c. Warranty/Guarantee/All contractual obligations should be mentioned clearly.
 - d. Payment will be made after successful inspection of the team.
 - e. Quotation received later than due date are liable to be ignored/rejected and MRSPTU shall not be held responsible for any postal delay in sending or late receipt of quotation. Quotation should be free from corrections & erasures.
 - f. Quotation must be submitted either on **LETTER HEAD OR WITH STAMP OF THE Firm** in the name of **REGISTRAR, MRSPTU, BATHINDA** with all particular duly signed with stamp in sealed envelope, any other format will not be acceptable.
 - g. The envelope must bear the word:-
"QUOTATION FOR" Networking Equipment.
Enquiry No. _____ as above dated _____
Due on _____
Address: As mentioned as point no. 04
IMPORTANT: - In the absence of information as required under 2(f) above, if an envelope is received & opened inadvertently, the university will not be responsible and the quotation may not be considered even if quoting lowest rates.
 - h. Please mention any other charges/conditions (if any).
 - i. Loose, tempered or incomplete quotation will not be considered.
 - j. Any other information as per requirement of indenter/department.
 - k. The quality of the items to be quoted should be best available in the market.
3. General Terms & Conditions are attached along with.
4. The quotations should reach the office of Registrar, Maharaja Ranjit Singh Punjab Technical University, Bathinda-151001 by 20/08/2026 up to 03:00 PM and same shall be opened at 04:00 PM on same date. Your representative may be present during the opening of the quotations.

Indenter

Professor Incharge

Copy to:-

1. Professor Incharge, IT Enabled Services, MRSPTU, Bathinda to upload a copy on University & college websites.

P.T.O.





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TERMS & CONDITIONS

1. **VICE CHANCELLOR RIGHTS:**

Vice Chancellor, MRSPTU, Bathinda reserves the rights of acceptance or rejection of any or all quotations. The discretion for increasing or decreasing of the quantities also rests with him. MRSPTU also not bind itself to accept the lowest price. In case of any dispute, the decision of Vice Chancellor, MRSPTU, Bathinda will be final & binding.

2. **VALIDITY OF QUOTATIONS:-**

Quotations will be considered valid for 03 months from the date of quotation.

3. **CORRESPONDANCE:**

No correspondence regarding acceptance/rejection of a quotation will be entertained.

4. **REJECTION:-**

Quotation not conforming to the set procedure as above will be rejected.

5. **DISCOUNT/REBATES:-**

A Special discount/rebate wherever admissible keeping in view that the supplies are being made for education purpose in respect of Public Institution of national importance may please be indicated.



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QUOTATION

APPENDIX -A

To

The Registrar,
MRSPTU, Bathinda.

Networking Equipment								
S.No	Item Description/ Specification	Qty	Unit	Basic Rate	Discount (if any)	GST (in %age & in Rs)	Total Rate Including GST	Total Amount
1	Smart Gigabit Switches	2						
2	8 Port Switch	3						
3	Patch Panel	2						
4	I/O Box Complete	60						
5	Patch Cord 1 Mtrs	65						
6	Patch Cord 2 Mtrs	60						
7	6U Rack with Accessories	2						
8	CAT - 6 Cable (305 Mtrs)	3						
9	Wifi Gigabit Access Point	1						

Note:

1. University GST No 03AAAGT0124M1ZJ
2. Quantity may vary at the time of execution of work

General Conditions:

- a. F.O.R. (Deptt., _____) MRSPTU, Bathinda.
- b. Delivery period _____
- c. Warranty/Guarantee _____
- d. Any other _____

Name of Bidder _____

Signature with stamp _____

Date. _____



Technical Specifications

Item. 1: 24 Port Smart Gigabit Switch

1. 24 10/100/1000 BASE-TX RJ45 Ports, 2 100/1000 SFP, 2 Combo 10/100/1000BASE/SFP, 1 RJ45 Console Port
2. MAC Address Table: 16k, Flow Control: - 802.3x, Flow Control - HoL Blocking Prevention, Loopback Detection
3. Port Mirroring: - Supports 1 Mirroring group - Supports One-to-One, Many-to-One, Flow-based (ACL) Mirroring
4. Ethernet Ring Protection Switching (ERPS), L2 Protocol Tunnelling
5. Ports should have auto sensing, auto negotiation and must have multi-function, LEDs for port status
6. 802.1Q Tagged VLAN, VLAN Group: Max. 4K
7. IPv4, IPv6, static routes
8. Shall be supplied with all software's and licenses.
9. Ethernet Ring Protection Switching (ERPS), L2 Protocol Tunneling, Ports should have auto sensing, auto negotiation and must have multi-function, LEDs for port status

Item. 2: 8 Port Switch

- **8-Port Gigabit Managed Ethernet Switch** with $8 \times 10/100/1000$ Mbps RJ-45 ports.
- Switch shall support IEEE 802.3, 802.3u, 802.3ab, 802.3x, VLAN, QoS, Port Mirroring and Link Aggregation.
- Minimum 16 Gbps switching capacity and 11.9 Mpps forwarding rate or higher.
- Shall support Web-based management, SNMP, CLI/Console management, and IPv4/IPv6 management.
- Shall be supplied with required power accessories and minimum 1 years OEM warranty/support.

Item No. 3 Patch Panel

1. Patch Panel UTP 24 Ports RJ-45 Cat-6
2. Solid and resistant terminations for copper cabling featuring connectors with gold contacts of 3 micro-inches
3. Supports rigid and flexible cable 22 to 26 AWG

Item No. 5,6 Patch Cord

1. Patch Panel Cat 6 Shielding UTP Solid
2. Colour: Grey/Blue/Orange/Yellow/Green
3. Conductor Material: Stranded Copper
4. Conductor Diameter: 24 AWG
5. Insulation Material: HD-PE

1) Bhalla
2) EV
3) (Signature)

Item No. 7 6U Rack & Accessories

1. Dimension: - 6U 19",
2. 355x600x440 mm. (H x W X D),
3. 370mm working depth, (distance from bars to rear panel)
4. wall-mounted, welded body, removable sides
5. top + bottom
6. 4mm toughened glass

Item No. 8 Cat-6 Cable

Cat-6 UTP Solid Cable 23AWG Conductor is a 4-twisted pair sheathed copper wire cable that can support data transfer rates of up to 1 gigabit (1,000 megabits). This higher bandwidth allows for quick transfer of large files in an office network. Supports 250 MHz bandwidth frequency and five Gbp/s transmission speed at 328 feet (100 meters).

Item 9. Gigabit Access Points for Wifi

1. Access Points proposed must include radios for 2.4 GHz and 5 GHz with 802.11ac Wave 2.
2. An access point must include a standard OEM provided Mounting brackets for mounting on Ceiling or Roof top.
3. Access Point shall support Console port that uses Standard Port (RJ-45) type connection
4. Should have one RJ-45 auto-sensing 10/100/1000 Mbps LAN port.
5. Access Point should have USB port for future requirement.
6. Must have at least 3 dBi Antenna gain on each radios
7. Must support 3x3 MIMO for both 802.11ac and 802.11n client
8. Must Support minimum data rate of 867 Mbps on 5 GHz with 80 MHz channel?
9. Must support minimum of 22dbm of transmit power in both 2.4 GHz and 5 GHz radios. And should follow the local regulatory Norms.
10. Must support AP enforced load-balance between 2.4 GHz and 5Ghz band.
11. Must support 16 WLANs per AP for SSID deployment flexibility.
12. Access Point must continue serving clients when link to controller is down. It should also have option to authenticate user through Radius server directly from Access Point during link unavailability to controller.
13. Must support telnet and/or SSH login to APs directly for troubleshooting flexibility.
14. Must support Power over Ethernet, local power (DC Power), and power injectors.
15. Must support QoS and Video Call Admission Control capabilities.

1) Bhullar

2) cel

3) (SR)