

Punjabi University, Patiala
(Established under Punjab Act # 35 of 1961)
University Computer Centre

SHORT TERM E-TENDER NOTICE

E-Tenders on project rate basis through electronic tendering process are invited from the Manufacturers/ Suppliers/ Dealers etc., for the Purchase of items listed below, fulfilling the eligibility criteria mentioned herein that should be uploaded & received on <https://tenderwizard.com/PUNJAB>

- | | | |
|--|---|--|
| 1. Last date and Time for receipt of Tender online | : | Date <u>05-06-2018 - 17:00 PM</u> |
| 2. Time and date of opening Technical bid | : | Date <u>06-06-2018 - 11:00 AM</u> |
| 3. Time and date of opening Financial bid | : | Date <u>06-06-2018 - 03:00 PM</u> |

<i>Sr.No</i>	<i>Name of Supply</i>	<i>Earnest Money (Refundable)</i>	<i>Tender Fees (Non Refundable)</i>	<i>Bid processing fee.</i>
1.	Purchase of Computer Networking Equipments for University Computer Centre at Punjabi University Patiala.	89,340/-	2,000/-	2,360/-

Aspiring Tenderer who has not obtained the User ID and password for participating in e- tendering may obtain the same by registering in the e- procurement portal www.tenderwizard.com/PUNJAB. The Tenderers once registered can participate in any of the department tenders. For any clarification contact 9257209340, 0172-5035985, 8146699866 or E-mail : etenderhelpdeskp@gmail.com, pavitar.s@etenderwizard.com

All other details can be seen in the bidding document.

Terms and conditions:-

- Earnest Money and Tender form fees separately of required value shall be submitted in shape of DD of any Nationalised Bank payable in favour of The **Registrar**, Punjabi University Patiala. Tender fee, Earnest money must be reached on or before date 05-06-2018 till 10:00 AM in the Office of the Director University Computer Centre.
- Tender Processing fee should be paid through e- payment (Direct Debit or Internet Banking)
- The Tender documents shall be uploaded in 2 folders.
 - Folder-A: Shall contain pre qualification documents such as Registration, PAN No., GST, Income Tax Return (last 2 years) and Non Black list Self certificate etc uploaded on website.
 - Folder-B: shall contain financial bid on the prescribed form.
- In case earnest money is not deposited for not having the required value, the bids will not be considered and rejected straightaway.
- The folder-B: shall be opened only of those contractors who will be found technically qualified for the supply.
- In case vendor wants to give some clarification/remarks the same shall be uploaded on the website www.tenderwizard.com/PUNJAB on the official letter pad of the company.**
- Corrigendum /Addendum/Corrections, if any will be published in the web site only. Firm shall continue to check the Web site www.tenderwizard.com/PUNJAB

PRE-QUALIFICATION REQUIREMENTS:-

- Manufacturers/Suppliers/ Authorized Dealers for Supply of Equipment categorized can participate in this Project.
- The Supplier/Firm shall submit a copy of PAN No., GST No. etc.
- The Supplier/firms shall submit copies of income tax return for the last 2 years.
- The Supplier/firms shall also submit Self certification that they have not been debarred/blacklisted by any Govt./ Semi Govt. Organization or any Corporation at any stage.

Computer Networking Equipments [University Computer Centre]		
Technical Specifications		
WLAN Controller (Hardware Based)		
Sr. No	Specifications	
1	Product Details	Make, Model No / Product code
2		Rack mountable hardware appliance
		Minimum 2 Gigabit Ethernet Ports
		Console port for management
3	Performance & Capacity	Centralized Management of at least 190 APs with Single appliances (At least 160 APs licenses enabled on day one having lifetime validity & Upgradation)
		User isolation based on AC, AP and WLAN
		At least 6K wireless clients
		RF Management
4	STA Management	AP-based load balancing; AP traffic-based load balancing; 5G priority access; RSSI threshold
		MAC Address binding / Radius server support (It has to be implemented as per the satisfaction of customer).
5	Roaming	Roaming across Subnets and VLANs
6	Redundancy	Self-Healing around failed APs
7	Management	Automatic L2/L3 discovery of Aps
		Dynamic RF channel and power management
		WLC Web authentication
8	Security	Integrated captive portal
		802.1x authentication
		802.11 security and encryption
		WIDS
9	Routing	IPv6 management and Static & Dynamic routing
10	Device Management	Console and Web management
		SNMP v1/v2C/v3
11	Access Control	Scalable to support BYOD, identity-based network policies
12	Warranty	Lifetime Warranty (minimum 5 years)

802.11ac Wireless Access Point (Controller Managed)		
S. No	Specifications	
1	Product Details	Make, Model No / Product code
2	I/O Ports	2 x 10/100/1000BASE-T autosensing RJ-45 PoE Ethernet Ports
		1 USB Port / One Console port for management
3	Standards	802.11 ac with Concurrent dual radio & Dual-band or higher
		802.11b/g/n (2.4 GHz) and 802.11a/n/ac (5 GHz) operating bands

		Indoor Access Point with inbuilt/internal antennas
4	Supported Data Rates	Data rates up to 2.5Gbps or higher per AP
		Wave 1 and Wave 2 support
		4x4 MU-MIMO
		4 Spatial streams
		HT160, HT80, HT40, HT20
5	Modulation	BPSK, QPSK, 16QAM, 64QAM and 256QAM
6	Capacity	At least 50+ or more simultaneous users per AP
7	RF Antenna	Inbuilt Smart / Adaptive or better antenna technology for wider coverage
8	Deployment Options	Standalone (individually managed)
		Managed by WLAN Controller
		AP Fall-back/Automatic switchover of AP to standalone mode/redundant Controller in case of failure of Controller to support high availability
9	Performance	WMM/802.11e support
10	Security	WPA, WPA2 & 802.1x, PEAP authentication
		User isolation
		Rogue AP detection and Prevention
		Dynamic ACL assignment ,RADIUS Support, CPU Protection Policy (CPP) , Network Foundation Protection Policy (NFPP), Fault detection feature
		Wireless Intrusion Detection System(WIDS),
		Wireless Intrusion Prevention System (WIPS).
		SNMP v1/v2C/v3 and Web management
		Wall/Ceiling Mounting kit to be supplied with AP
11	Network Protocols	IPv4, IPv6 and dual-stack
12	Certifications	Wi-Fi Alliance Certification/Wi-fi Certified
13	Standard	Safety Standard GB4943, EN/IEC 60950-1 or equivalent
		EMC Standard GB9254, EN301 489 or equivalent
		Health Standard EN 62311
		Radio Standard EN300 328, EN301 893 or equivalent
14	Enclosure	IP41 or better
15	Warranty	Lifetime Warranty (minimum 5 Years)

8 Port POE Managed Switch		
S. No	Specifications	
1	Compatibility	Compatible with HP iMC (NMS)
2	Hardware	POE 10BASE-T/100BASE-TX/1000BASE-T : 8
		1000BASE-X SFP Ports : 2
		Gigabit Managed Switches
3	Performance	Switching Capacity : 20 Gbps
		Min. 130 watts
		Internal/external surge protection on all Ethernet ports
		Lifetime Warranty (minimum 5 years)

24 Port POE Managed Switch		
Specifications		
1	Compatibility	Compatible with HP iMC (NMS)
2	Hardware	POE 10BASE-T/100BASE-TX/1000BASE-T: 24
		1000BASE-X SFP Ports : 2
		Gigabit Managed Switches
3	Performance	Min. 370 watts
		Internal/external surge protection on all Ethernet ports
		Lifetime Warranty (minimum 5 years)

Tentative Items description for Punjabi University, Patiala		
S.No	Material/ Equipment Required	Quantity
1	Wireless Access Points	160
2	Wireless Controller (Hardware appliance)	1
3	24 Port POE Switch with SFP (Gigabit Managed Switches) Min. 370W	2
4	8 Port POE Switch with SFP (Gigabit Managed Switches) Min. 130W	6
5	8 Port POE Switch without SFP (Gigabit Managed Switches)Min. 130W	2
6	OFC SM Six core OS2 standard in meters	600
7	LIU 6 Port unloaded	8
8	SC Adaptors SM	48
9	Pigtails SM	48
10	SC Adaptors Plates	8
11	SC-LC Patch Cord SM	8
12	6 U Rack with accessories	2
13	12 U Rack with Accessories	3
14	SFTP Cable Roll 305 Meter	1
15	CAT 6A Cable roll 305 meter	2
16	CAT 6 Cable roll 305 meter	4
17	CAT 6 jack Panel	3
18	CAT 6 Patch Cord 1 Meter	30
19	Cat 6 I/O	15
20	SFP Module SM	8
21	Conduit Pipe 1" (ISI) with Clips & Accessories in meters	1200
22	Splicing	48
23	Iron Cages for AP	150
24	Hydraulic digging in meters (including laying charges)	900
25	Manual Digging in meters (including laying charges)	150
26	HDPE pipe with ISI mark in meters	800
	Installation/ project implementation charges (if any)	

Terms and Conditions:-

1. Prices should be inclusive of all taxes and levies in INR, FOR Punjabi University Patiala.

2. Payment will be released on successful installation and commissioning.
3. Only one vendor will be selected for the project.
4. All items to be supplied must be branded and shall be amply supported onsite directly by OEM. All RMA, shall be in name of Punjabi University, Patiala.
5. OEM shall be responsible for onsite training / deployment / configuration etc.
6. The material is to be made available/ installed within two weeks from date of placing confirmed Purchase Order along with all the bills.
7. If there is holiday on the receipt/opening day of the tender, the tender may be received/ opened on the next working day at the same time and at the same place.
8. The Purchase Committee reserves the right to reject the tender without assigning any reason before/after opening of the tenders and the tenderers shall have no right or any claim what so ever for the same on this account.
9. University reserves the right to increase/ decrease the quantity of items. The order for quantity of different items can be increased or decreased. The Suppliers/ Tenderers shall have no right or any claim what so ever for the same on this account. The payment for passive components will be made on the basis of actual consumption.
10. The University reserves the right to cancel the tender without giving any specific reason. The Suppliers/ Tenderers shall have no right or any claim what so ever for the same on this account.
11. The rate quoted by the Supplier/Tenderer shall be inclusive of all the taxes i.e. GST or any other taxes levied by Central Govt. or State Government Authority or Local Bodies including their variations as notified by the Concerned Authority from time to time and of all the new taxes and levies that may be imposed. Firm will supply the material on quoted Rates which include F.O.R., Loading, Unloading, stacking and inclusive of all taxes. Nothing Extra shall be paid.
12. The Supplier/ Tenderer shall comply with the proper by- Laws and legal order of the local body or authority under the jurisdiction of which the supply is executed and pay all fees and charges for which he may be liable. Nothing extra shall be payable by the University on this account.
13. In case of failure of supply of material as per ordered specifications, the University reserve the right to reject the supply order and can forfeit the earnest money deposited by the firm.
14. In case of any dispute, the jurisdiction will be Patiala (Punjab) only.
15. In case of any clarification regarding tender contact Phone No. **0175-3046314-15, 0175-2286570**
16. **Project related specific conditions have been mentioned in the technical specifications also.**

Director
University Computer Centre
Punjabi University, Patiala.
01753046314-15, 2286570