

Issued to: _____

**Tender No 07/UPTTI/2016 Schedule 1
Tender Document for Wi-Fi Extension (Equipments)**

**Last date of submission: As per Tender Notice
Time and date of opening of Technical bid : As per Tender Notice
Time and date of opening of Financial bid : As per Tender Notice**

**Uttar Pradesh Textile Technology Institute,
Kanpur**

INVITATION FOR QUOTATIONS FOR SUPPLY OF GOODS

Dear Sirs,

Sub: INVITATION FOR QUOTATIONS FOR SUPPLY OF Items as per List enclosed as annexure-I

and as per

Tender notice No: _____

(Please note that schedule of requirement of all items under this Tender notice is also displayed on the notice board and at our website www.uptti.ac.in.

1. You are invited to submit your most competitive quotation for the following goods:-

Brief Description of the Goods	Specifications*	Quantity	Delivery Period	Place of Delivery	Installation Requirement if any
As per List enclosed (Annexure-I)	As per enclosed annexure II	As per enclosed annexure-I	10 Days	UPTTI, Kanpur	As per annexure-I and II

2. **Bid Price**

- a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
- b) All duties, taxes and other levies payable by the contractor under the contract **shall be included in the total price.**
- c) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account. *(Please note that the bid will be rejected in the absence of above)*
- d) The Prices should be quoted in Indian Rupees only.

3. Each bidder shall submit only one quotation for one schedule.

4. **Validity of Quotation**

Quotation shall remain valid for a period not less than 60 days after the deadline date specified for tender submission.

5. **Evaluation of Quotations**

(i)The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

- (a) Are properly signed; and
- (b) Conform to the terms and conditions, and specifications.

6. **Award of contract**

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price for the complete schedule.

6.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

6.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.

7. **100% Payment after receipt, check/installation & commissioning and verification of material but within 30 days. Please note that payment terms demanding advance of any type will not be acceptable.**

8. Warranty/ Guarantee of three year from the date of Installation shall be applicable to the supplied goods and services unless otherwise specified in the **special terms & conditions** of the tender document or in the specification sheet.

9. You are requested to provide your offer according to the date & Time mentioned in the tender notice.

10. We look forward to receiving your quotations and thank you for your interest in this project.

11. **General Terms and conditions/Guidelines/Instructions for preparation and submission of offers/Tenders:**

(11.1) How to prepare the offers/Tenders:

The essential details of specifications & instructions are to be followed strictly in accordance with the tender notice. The tendering firms are requested to submit their offer in two parts. The first part will be named as **TECHNICAL OFFER** & the second part will be called **FINANCIAL OFFER**.

The Technical offer as well as financial offer are to be prepared separately,(i.e. in separate covers), indicating very clearly on the envelopes with the relevant enclosure given as under:

Both Technical Offer and Financial Offer must be kept in one covering Envelope (i.e. in Third envelope) and should be properly sealed. In Technical Offer and Financial offer BID COVERS, it may specifically be indicated properly the Tender Notice No: _____, Dated _____ Due/Opening on _____ on.

- (11.2) In case of U. P. state firm, enclose valid trade tax registration certificate. In case of outside U.P. firms, enclose valid C.S.T. registration certificate or VAT registration certificate.
- (11.3) All the enclosures should be valid on the date of opening of the Tender
- (11.4) After opening the tender any changes in the rates shall not be acceptable and offer will be rejected in this case.
- (11.5) It shall be responsibility of the tendering firms to present themselves on the date of technical & Financial opening and meeting thereof and acquaint themselves with the shortcomings. No separate intimation will be sent to them in this regard.
- (11.6) The security money/Earnest money @2.5% of the total quoted price(inclusive of all) shall have to be given/ submitted as desired along with the technical offer. **Offers without E.M/Security will be rejected.**
- (11.7) Tenderer (Authorized person) shall **sign the offer and all the enclosure being submitted by them with their designation, seal and date.** All documents may be numbered starting from the first pages 1, 2, 3.....
- (11.8) If any regulatory act is applicable in item then enclose copy of clearance of the competent authority.
- (11.9) Conditional offers shall not be acceptable and such offers shall be rejected out rightly. **Optional bids will also be rejected.** Please do not bid with options in bid

12. Special Terms & Conditions:

1. Prices:

- a) The quoted prices should be Inclusive of all (Net). The price for each of the above items may be quoted separately in order to enable us to increase or decrease the quantity depending upon site requirement (quantity may vary within $\pm 20\%$).
- b) Bidder is required to quote all items of this tender. The estimation of lowest price will be done on complete items of this tender.
- c) Prices are to be quoted strictly in the following format. Please note that no forms for sales tax rebate will be provided.
- d) Please note that no duty exemption certificate will be provided.
- e) The quotation, in which total value is not indicated in the above format, will be rejected.

2. Warranty: **Three years comprehensive for the whole system.**

- a) Recurring annual charges for any AMC or renewal for the three years must be included in the above rates.
- b) The rates must be quoted inclusive of three years warranty for each of the above system and inclusive of all renewals for the warranty period for software/equipment etc.**

3. Technical bid should be accompanied with the following documents:

a. The proof of eligibility Criterion as per following:

S.No.	Eligibility Criteria
1	OEM should be in the magic quadrant of the quoted items. Documentary proof must be attached.
2	OEM must have existence in India. Documentary proof must be attached.
3	Quoted items must not be obsolete.
4	Bidder must be in existence for more than 10 years and have turn over not less than 3 Crores in the last 3 financial year. Documents must be attached.

5	Bidder must have TIN no., PAN, Service tax,. Documents must be attached.
6	Bidder must have at least two orders with sign off/completion certificate regarding wi fi supply and installation. Documents must be attached.

- b. Technical Leaflet/ catalogue / Brochure of the product quoted
 - c. A demand draft for earnest money of the quoted price (Refundable to non-successful bidders within seven working days from the date of opening of tender). The DD should be made in favour of 'Director, Uttar Pradesh Textile Technology Institute, Kanpur', payable at Kanpur.
 - d. **In the absence of Earnest money or in case of Earnest money deposited less than the required, the bid will be considered as non responsive.**
 - e. The copy of receipt of tender document fee.(The tender document fee is Rs 300/= and is payable in cash or through DD in favour of Director, Uttar Pradesh Textile Institute, Kanpur, Payable at Kanpur. Photocopies of Bid document or downloaded from our website can be used but the document fee as described above must be deposited to us before submitting the tender.
 - f. General information form as per annexure-I
 - g. The certificate of registration in the sales tax / trade Tax/VAT
 - h. **Please ensure that the quoted item must be in conformity with the specifications/ requirement as per our document.**
4. The bidder shall have to deposit a bank guaranty for the 10 % amount of the final order for the period of warranty (three years), if the order is to be placed in favor of the bidder. This BG will be released on the successful completion of warranty period.
5. Payment: After delivery
6. Delivery: Within 10-Days

Director
Uttar Pradesh Textile Technology Institute,
11/208, Parwati Bagla Souterganj, Kanpur
Tel.No 0512-2530199
Fax No.0512-2531814
E-Mail: info@uptti.ac.in

13. FORMAT OF QUOTATION
(May be retyped on Supplier's Letterhead)

Name of the Supplier: _____

Address of the Supplier: _____

Supply and Installation of Outdoor Access points and UTM/Firewall at UPTTI Kanpur					
S.NO.	ITEM DESCRIPTION	UoM	Qty	Rate(Rs.)	Total(Rs.)
SUPPLIES					
1	UTM/Firewall for 1000 users as per specifications attached	Nos.	1		
2	Outdoor Access points as per specifications attached.	Nos.	7		
				Total	
Sales Tax@					
SERVICES					
3	Installation and configuration of above items including supply of UTP cat6 cable, connectors, PVC pipe etc properly laying underground wherever needed and on the wall wherever applicable. Approximately 600 meters. No overhang of connecting wires will be allowed and power supply arrangement from the nearest power point to the access points (if needed) will be in the scope of supplier. The solution should be turnkey solution and any site requirement is to be fulfilled by supplier.	Job.	1		
				TOTAL	
Service Tax@.....					
GRAND TOTAL					

Signature of Supplier (Please Sign in above Box)	Date (Please write in above Box)	Place (Please write in above Box)	Rubber stamp (in Above Box)

(Please sign and stamp on each page of quotation).

14 General Information Form

1	Name of the Firm	
2	Address of the Firm	
3	Sales Tax registration Number	
4	Tender fee receipt no	
	Tender fee receipt date	
5	EMD Details	Bank Draft to be attached on the Top of Technical Bid.
	EMD Amount	
	Bank Draft Number	
	Name of Bank	
	Branch	
	Date of Bank Draft	
6	Certificate of Sales Tax registration.	Attached as Page Number _____ of Technical bid.
7	Catalogue of Firewall/ UTM	Attached as page numbers from _____ to _____ of Technical Bid.
8	Catalogue of Access Point	Attached as page numbers from _____ to _____ of Technical Bid.
11	Letter/ Certificate of Authorization from the OEM of Firewall Hardware	Attached as Page Number _____ of Technical bid.
12	Letter/ Certificate of Authorization from the OEM of Access Point System	Attached as Page Number _____ of Technical bid.
13	Documents certifying 3 (b) in Special Terms & Conditions above	Attached as page numbers from _____ to _____ of Technical Bid.

Signature of Supplier (Please Sign in above Box)	Date (Please write in above Box)	Place (Please write in above Box)	Rubber stamp (in Above Box)

Annexure-I &II
List & specification for Items
for up-gradation and Extension of Virtual Class Room.

1. UTM/FIREWALL SPECIFICATIONS			
S.No	Technical Requirements		Compliance is to be filled line by line and data sheet is to be attached
1	Architecture	The proposed firewalls shall be built as a firewall appliance (i.e. not on generic server hardware)	
2	Firewall Throughput	Large packet (1518 bytes or more) throughput 4Gbit/s	
3	Concurrent Connections	Number of concurrent connections 4,000,000 or more	
4	New sessions per second	Number of new sessions per second 60,000 or more	
5	Interface	Number of RJ45 GE interface ≥ 8 Number of SFP GE interface ≥ 4	
6	Power Supply	1 + 1 dual power supply(Optional)	
7	Basic firewall features	Stateful packet inspection. Based on Source IP, Source Port, Destination IP , Destination Port, Protocol , Application, Content, Time, User, Location Network Address Translation, Port Address Translation	
8	URL filtering	Supports Cloud-Based URL Library. At least 60 million URL must be identified Should Divide URLs into 40 categories and 120 subcategories. Allow administrator to set response mode by forbidden or permit based on categories and subcategories Provides URL blacklist and whitelist functions	
9	Application control	Supports application Visibility and Control to control specific behaviors, at least 6000 application protocols must be identified and managed Identify and control applications on any port	
10	Routing	Static routing, Policy-Based routing, RIP, OSFP, BGP and ISIS	
11	Intrusion Prevention System	Intrusion Prevention Sytem with 2Gbit/s throughout Attack identification over 3000 signature. IPS feature to defend against system vulnerabilities, unauthorized downloading, spoofing software, and spyware/adware, abnormal protocol behaviors Should Support user-defined IPS signatures	
12	IPSec VPN	IPSec VPN throughput with 3Gbit/s Should Support Number of concurrent IPsec VPN tunnels 4,000	

		Should Support L2TP over IPSec VPN, DSVPN	
		Should Support DES(56-bit),3DES(168-bit) and AES(256-bit/384-bit/512-bit) encryption/decryption	
		Should Support MD5, SHA1, SHA2 authentication	
		Redundant VPN gateways	
13	AntiDDoS	Should defend against SYN Flood, SYN ACK Flood, TCP Flood, UDP Flood	
		Should defend against application-layer attacks, such as HTTP, HTTPS, DNS, and SIP flood attacks	
14	DLP	Data leak prevention based on content awareness	
		Should Support file reassembly and data filtering for more than 30 file types (including Word, Excel, PPT, and PDF), and file blocking for more than 120 file types	
15	User authentication	Should Support local, RADIUS, SecureID, AD, CA, LDAP for user authentication	
16	Virtualization	Virtualization of security features, forwarding statistics, users, management operations, views, and resources (such as bandwidths and sessions)	
		Support 100 virtual firewall	
17	Logs and reports	Provides diversified logs and reports for administrators to trace and analyze the events. Provides at least 300 GB hard disks (hot swappable) for storing logs and reports	
		Should include at least Traffic log, Threat log,URL log, Operation log,System log,Policy matching log,Audit log	
		Should include at least Traffic report Threat report, URL report,Policy matching report, File blocking report,Data filtering report	
18	High availability	Active/Active, Active/Standby mode	
		Should Support configuration backup and restore	
19	Certification	EAL3+	
20	Warranty	3 Years warranty	

2. Outdoor Access Point Specifications

Items	Specification	Compliance is to be filled line by line and data sheet is to be attached
Working mode	Working in FAT/FIT mode	
	Zero-configuration online in Fit AP mode and all configured by AC	
	Support P2P/P2MP bridge (WDS) , Mesh zero-configuration	
802.11 standards	fully comply IEEE802.11a/b/g/n standard, support working in both 2.4G and 5G meanwhile	

	Should Support 2 x 2 MIMO and should provide a rate atleast upto 300 Mbps per radio and 600Mbps per AP.	
User management	Support concurrent user number per AP more than 125	
	Supports access control lists (ACLs) and implements user access control based on the user group policy and ACL 4K	
Power supply	Should have PoE injector.	
Uplink port	Should Support GE port	
Antenna	Support external antennas both in 2.4G and 5G	
	Should Provide 6kv surge protection capability on an Ethernet interface	
SSID	Should Support total of SSIDss no less than 16	
	Should Support SSID hiding	
Signal technology	Should Support (Beamforming)	
	Should Support STBC,LDPC,MLD,MRC and other technology to enhance signal strength	
Interference protection	Should Support 802.11h(DFS) and automatically avoid radar channel	
	Should Support packet-based power adjustment to reduce power consumption and interference by adjusting AP transmit power to client	
	Should be able to Identify interference sources such as blue tooth devices, microwave ovens, cordless phones, ZigBees, game controllers, 2.4 GHz/5 GHz wireless video and audio devices, and baby monitors in Fit AP mode and works with NMS to locate interference sources and display spectrums	
Environment parameters	Better temperature range expected , Operating temperature :-40~60 or more (Please mention value)	
	Operating humidity :0%~100% (non-condensing)	
	Waterproof grade≥IP67	
	Should Support service holding function when CAPWAP link down, new users can also access network.	
Authentication and encryption	Should Support authentication based on MAC,,Portal,802.1X,PSK,and fixed mode with MAC + Portal	
	Should Support WEP(WEP64/WEP128),WPA/WPA2,TKIP,CCMP,WAPI	
	Should Support wireless intrusion detection system (WIDS), including rogue AP and STA detection, attack detection, STA/AP blacklist and white list.	
Load balancing	Should Support load balancing based on user number and data traffic	
	Should Support 5G preference access in which users access network by 5G radio	
Power saving	Should Support unscheduled automatic power save delivery (U-APSD)	

	Should Support radio link closed when CAPWAP break down	
	Should Support to open and close RF automatically by setting the schedule	
Certification	Should Provide WIFI alliance certification	
Warranty	3 years Warranty	

3. Installation: the lowest rates will be decided considering laying length approximately 600 meters. However the payment for item no 3 will be made on the basis of actual measurement. The rate will be taken as the amount of this item quoted for 600 meters.