COMSATS Institute of Information Technology
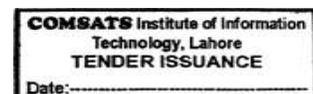### Lahore Campus, Defence Road, Off Raiwind Road, Lahore

Tender No. CIIT-TN-13-17-815
Case # 1986

TERMS AND CONDITIONS
[All pages (BoQs & Terms & Conditions) are mandatory to be signed / stamped, failing which the bid may be rejected.
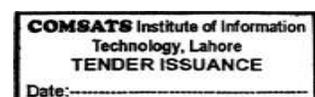
1. *Any addition, deletion or modification of any clause of the procurement terms & conditions/ BoQs of CIIT by any vendor will not be acceptable and may lead to rejection of the bid.*

2. *Only registered Suppliers, who are on Active Taxpayers List (ATL) of FBR, are eligible to participate in tender.*

3. The contract will be executed and handed over in satisfactory conditions up to the entire satisfaction of COMSATS Institute of Information Technology, Lahore Campus.

4. Documents along with Pay Order / Demand Draft amounting to **Rs. 500/-** as a tender documents fee (Non-Refundable) shall be submitted in favor of COMSATS Institute of Information Technology, Lahore to the address given below. No bid will be accepted without tender documents' fee.

5. Part / Advance payments is not allowed.

6. **The exact completion/delivery time from the date of the purchase / work order will be 15 days. The handing over / completion time for this contract is of critical importance.**

7. Your bid proposal should be inclusive of freight and all other taxes delivered at COMSATS Institute of Information Technology, Lahore Campus's premises.

8. After opening of bids, COMSATS Institute of Information Technology, Lahore Campus will examine the bids for completeness as per tender document.

9. Purchase order (s) will be awarded to the lowest or technically recommended bidder (s) on the basis of item wise / subtotal wise / grand total wise according to the nature of BoQs.

10. The bid should be submitted in a sealed envelope up to **March 01, 2017** on or before **1400hrs** and will be opened on the same date **at 1430hrs** in the presence of available bidders.

11. COMSATS Institute of Information Technology, Lahore Campus, will follow the PPRA rule of **single stage two envelope procedure;**

    i. The bid shall comprise a single package containing **two separate envelopes.** Each envelope shall contain separately the **financial proposal** and the **technical proposal;**

    ii. The envelopes shall be marked as **"FINANCIAL PROPOSAL" and "TECHNICAL PROPOSAL"** in bold and legible letters to avoid confusion**;**

    iii. Initially, only the envelope marked **"TECHNICAL PROPOSAL"** shall be opened**;**

    iv. The envelope marked as **"FINANCIAL PROPOSAL"** shall be retained in the custody of the procuring agency without being opened;

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v.   The procuring agency shall evaluate the technical proposal in a manner prescribed in advance, without reference to the price and reject any proposal which does not conform to the specified requirements;

vi.   During the technical evaluation no **amendments** in the technical proposal shall be permitted;

vii. The financial proposals of bids shall be opened publicly at a time, date and venue announced and communicated to the bidders in advance;

viii. After the evaluation and approval of the technical proposal the procuring agency, shall at a time within the bid validity period, publicly open the financial proposals of the technically accepted bids only. The financial proposal of bids found technically nonresponsive shall be returned un-opened to the respective bidders;

ix.   and

x.   The bid found to be the lowest evaluated bid shall be accepted.

12. Bidders cannot challenge the finding of the evaluation or ask for reason of disqualification.

13. The envelope should be marked as under;

Secretary, Purchase Committee
COMSATS Institute of Information Technology, Lahore Campus
Defence Road, Off Raiwind Road, Lahore.
Tel: 042-111-001-007, Ext: 875

14. The envelope shall also bear the word **"CONFIDENTIAL"** and following identification quotation of **"Wireless Network Infrastructure for New Hostel Near Gate-3".**

15. The bid form (BoQs) must be duly filled in, stamped and signed by the authorized representative of the bidder.

16. **If the vendor fails to deliver the goods / services to CIIT-Lahore in time then the penalty will be charged as under:-**
    a. 1% per day of the invoice price for 5 working days.
    b. 2% per day of the invoice price for further 5 working days.
    c. If the vendor fails to deliver the goods / services during the extended period then the purchase / work order may be cancelled, earnest money and payment may be forfeited.

17. If the delivered goods / services are not according to the required quality standards / specifications, the same shall be liable to be rejected after inspection. The vendor would be required to supply as per requirements mentioned in our BoQs, otherwise the purchase / work order will be cancelled after due date with confiscation of earnest money.

18. Deduction of Income Tax and any other tax will be deducted at source according to Government prevailing rules.

19. Payment will be made on submission of Invoice in the name of "COMSATS Institute of Information Technology, Lahore Campus" with a copy of delivery challan (s) after the complete order has been supplied, inspected and accepted which includes delivery / installation, and COMSATS acceptance / inspection thereof.

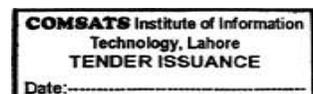20. All prices should be quoted on F.O.R (Pak Rupees).

<u>**Signature & Stamp of Bidder**</u>

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21. All prices should be valid for at least **60 days.** Withdrawal or any modification of the original offer within the validity period shall entitle CIIT to forfeit the earnest money in favor of the CIIT and / or put a ban on such vendor participation in CIIT tenders / works.

22. It is the sole responsibility of the agent / supplier / manufacturer to comply with the applicable laws, be national or international.

23. In case of any dispute, decision of the Director, CIIT will be final and binding upon the parties.

24. The CIIT reserves the right to modify the quantities of goods / services at any time before the award of purchase / work order.

25. **05% of the total value of the Sr. # 1 & 2 for Three years and Sr. # 5 & 6 for one year will be retained as security by COMSATS Institute of Information Technology, Lahore Campus, and will be released after warranty periods (mentioned in BoQs), which will be counted from the date of delivery / completion of work / supply.**

26. **The bidder is required to furnish in form of Bank deposit / CDR / Pay order equivalent to 2% of the total Bid price as Earnest Money crossed in favor of "COMSATS Institute of Information Technology, Lahore Campus". Any bid not accompanied by Earnest Money shall be rejected without any right of appeal.**

27. COMSATS Institute of Information Technology, Lahore Campus reserves the rights to accept or reject the bid if;
    i. Received without earnest money
    ii. Received later than the date and time fixed for tender submission
    iii. The tender is unsigned/ unstamped
    iv. The offer is ambiguous
    v. The offer is conditional
    vi. Offer is made by the unauthorized agent/ supplier of the original equipment manufacturer.
    vii. The offer is from a firm, which is black listed by any Govt. Office.
    viii. The offer is received by telephone/telex/fax/telegram.
    ix. Any unsigned / ambiguous erasing, cutting / overwriting etc. is made.

28. The bidder should furnish a certificate as worded below in token of acceptance of all the terms and conditions of the tender otherwise the tender will not be considered under any circumstances.

29. The undersigned affirm that the terms and conditions as contained in this document have been read and accepted and that in the event of selection of my/our rate the agreement in the prescribed form will be entered into:

    - **Company / Vendor Name:…………………………………………………..………….………...**

    - **Postal Address:……………………………………………………………………….……….**

    - **Tel. / Mobile:……………………..……….……………Email:……………..………………...…**

    - **NTN# :……………………………………….GST#:………………………………..………**

    - **Signature: ………………………………………**

    - **Please also attach the Certificate supporting being Active Taxpayer as per requirement of FBR.**

Signature & Stamp of Bidder

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Technical Portion (Please mention the quoted model/ brand in technical portion with no mention of price otherwise the bid will be rejected)

BoQs of Wireless network Infrastructure for New Hostel Near Gate-3, CIIT-Lahore

Sr.#	No change in the BoQs (Specs & Qty.) of CIIT, as detailed below, is allowed. Any additional information may be mentioned in the blank columns (i.e. model / brand or Price). Any modification in CIIT's BoQ may lead to rejection of bid (fully or partially).	Quantity		Quoted Model Brand with meeting the all specifications
	Items Name with Specifications			
1	**Dual band Access points** **Model: UAP-AC-PRO or Equivalent** **Technology: Wireless Broad Compatibility: a/b/g/n/ac** **Wireless Bands: 2.4 & 5 GHz Simultaneously** **Transmission and Receive Power:** **22 dBm for 2.4 GHz, 22 dBm for 5 GHz** **Data throughput: 450 Mbps (2.4GHz) and 1300 Mbps (5GHz)** **Channelization Support: 20 MHz, 40 MHz and 80 MHz** **MIMO Support: 3x3 (2.4GHz) and 3x3Mbps (5GHz)** **Antennas: 3 Dual-Band Antennas, 2.4 GHz: 3 dBi, 5 GHz: 3 dBi** **Network Interface: TWO 10/100/1000 Mbps Ethernet port** **Ports: One USB Port** **BSSID: up to 4 per radio (8 per AP)** **Power Method: Passive Power over Ethernet (48V), 802.3af/802.3at Supported (Supported Voltage Range: 44 to 57VDC)** **Maximum Power Consumption: 9W** **Wireless Security: WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES)** **VLAN: 802.1Q** **Advanced QoS: Per-User Rate Limiting** **Guest Traffic Isolation: Supported** **WMM: Voice, Video, Best Effort, and Background** **Concurrent Clients: 200+** **Mounting: Wall & Ceiling mounting Kit** **POE: UBNT 48V, 0.5A PoE Gigabit Adapter or Equivalent** **Power Save: Supported** **Warranty: 3 Year onsite warranty** **Mounting Kit: UBNT Mounting KIT or Equivalent** **Security Cage: Cage to secure it from Stolen. (Sample can be check)** **Compatibility: work in standalone mode and controller based environment (UBNT Unifi Cloud KEY)**	14	No's	

2	**WLAN Controller**
	Model: UBNT Unifi Cloud KEY or Equivalent
	Hardware Specs
	•**Processor:** Quad-Core SoC
	Memory: 1 GB DDR
	Networking Interface: 10/100/1000 Ethernet Port
	Buttons: Reset to Defaults
	Power Method: PoE Micro-USB 48V 802.3af or Passive PoE (Pairs 4, 5+; 7, 8 Return) 5V
	Power Supply: 802.3af PoE or Micro-USB 5V, Minimum 1A
	Max. Power Consumption: 5W
	Features:
	Wi-Fi Management
	   • configure, Map out networks,
	   • manage system traffic.
	   • RF monitoring and device mapping
	   • Detailed RF performance analysis
	   • Band steering support
	   • Guest portal/hotspot support
	Multi-Site Management
	Detailed Analytics
	   • **configurable reporting and analytics to monitor large user groups and expedite troubleshooting.**
	LAN/WLAN Groups
	   • **multiple LAN and WLAN groups**
	Router and Switch Management
	   • WAN/LAN/VLAN configuration
	   • Operation mode (switching, mirroring, or aggregate) per port
	   • PoE setting per port
	   • Jumbo frame and flow control services
	   • Monitor and analyze performance of each port
	POE: UBNT Passive POE for UNIFI cloud key or Equivalent
	Warranty : 03 Years onsite warranty
		1	No's	

3	**Data Rack (Local Made) or equivalent:** **27U Standard 19", Vented Rear Door Glass Front Door, Two fixed and four railing trays, Ventilation Fans, 2 Rack mountable PDU 8 PORT UNIVERSAL SOCKET, 30 Cage NUTTS.**	1	No's	
4	**Manageable switch (Used/Refurbished).** **Cisco Catalyst 2960-24TC or equivalent** **24 port Switch with two 2 dual-purpose uplinks, LAN based software, support for Cisco VLAN Trunking Protocol (VTP), (10/100/1000BASE-T or SFP) with 2 SFP modules.**	1	No's	
5	**2 KVA UPS** **Homage** HEX-2004 or equivalent **Type:** Modified Sine Wave Inverter + Charger (UPS) **Rated Capacity:** 2000VA, 1500Watt, 24V DC, 230V AC **Features:** LCD and LED display over load, Battery health and cutoff mode display Rack design & wall-mounted. Fully automatic restart operation. Multi-function LCD+LED indications. Over temperature & Short Circuit Shutdown. buzzer alarms.	1	No's	

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6	**Batteries Specifications** **12V 100Ah AGM Deep Cycle Battery** **Max. Discharge Current:***1000A (5 sec)* **Internal Resistance:***5-10 mΩ* **Float Charging Current:***13.6 to 13.8*VDC/unit average at25◦C **Max Charging Current:***30A* **Equalization & Cycle Service:***14.6 to 14.8VDC / unit average at 25◦C* **Self-Discharge Ratio:** *Less than 3% per month at 25◦C* **Terminal:***F5/F12* *Warranty: 1 year onsite*	2	No's
7	**Power Distribution Unit** **Rack mountable Power Distribution Unit with single button control** **Rack PDU 19" RM 1U Europe , 7 Sockets w/Lighted Master Switch + Safety Cover, Europe Plug 13A/3120W**	2	No's
8	**Voltage Stabilizer / Regulator** Stabimatic 2 KVA Golden Series Single Phase Servo motor voltage stabilizer or equivalent **Input & Output Specifications:** • **VA: 2000** • **Input Voltage Range: 130 V to 260V** • **Output Voltage Range: 220V +/- 2%** • **Amps: 9.0 A** **Features:** • **Servo Motor control** • **Short Circuit & Overload Protected** • **Delay Timer (5 Sec)** • **Under & Over Voltage Protected** • **Fast Response** • **Earthling Protected** • High Efficiency • Pure Sine Wave • Response 0.5 sec/10% deviation • **Surge Protection** • Colored LEDs Indicate Normal, Under & Over Voltage	1	No's
9	**UTP Cat 6 Cable** **Molex/3M/ AMP/ Bay Net UTP CAT 6 (Original) 23 Gauge 1000 ft. Roll or equivalent**	3	No's
10	**Cable Manager** **AMP cable Manager or equivalent**	1	No's
11	**Screws 1.5"**	1	Box
12	**Plastic Rawal Plug**	10	Pack
13	**RJ45 Connectors** **AMP original or equivalent (100 Pcs Box)**	1	Box
14	**Tagging Tap** **Ez-label Tap for KL-820or equivalent** **Red and Orange color**	2	No's
15	**Surge Protector** **Brand: Balkin or equivalent** **Surge Protection: 70 Joules of Surge Protection** **Maximum Spike Current: 4,500 Amps** **Mounting: Wall-Mountable for a protected outlet without extra cords** **Indicator: Surge Protection Indicator lets you know your equipment is protected** **Varistor : Metal Oxide Varistors (MOVs) absorb excess electricity for increased protection** **Resistor : Damage-Resistant protects circuits from fire, impact, or rust, and prevents dents and scratches**	1	No's
16	**Cable Ties** **(Small 01 Pack + Medium 01 Pack)**	02	Pack

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Financial Portion (Price and Brand/Model to be mention only in Financial Proposal in a separate sealed envelope)

BoQs of Wireless Network Infrastructure for New Hostel near Gate-3, CIIT-Lahore

No change in the BoQs (Specs & Qty.) of CIIT, as detailed below, is allowed. Any additional information may be mentioned in the blank columns (i.e. model / brand or Price). Any modification in CIIT's BoQ may lead to rejection of bid (fully or partially).			**Rates to be quoted inclusive of all (applicable) taxes**		
Sr. #	**Items Name with Specifications**	**Quantity**	**Quoted Model / Brand**	**Unit Price (Rs.)**	**Total Amount (Rs.)**
Turnkey Basis					
1	**<u>Dual band Access points</u>** **Model: UAP-AC-PRO or Equivalent** **Technology: Wireless Broad Compatibility: a/b/g/n/ac** **Wireless Bands: 2.4 & 5 GHz Simultaneously** **Transmission and Receive Power:** **22 dBm for 2.4 GHz, 22 dBm for 5 GHz** **Data throughput: 450 Mbps (2.4GHz) and 1300 Mbps (5GHz)** **Channelization Support: 20 MHz, 40 MHz and 80 MHz** **MIMO Support: 3x3 (2.4GHz) and 3x3Mbps (5GHz)** **Antennas: 3 Dual-Band Antennas, 2.4 GHz: 3 dBi, 5 GHz: 3 dBi** **Network Interface: TWO 10/100/1000 Mbps Ethernet port** **Ports: One USB Port** **BSSID: up to 4 per radio (8 per AP)** **Power Method: Passive Power over Ethernet (48V), 802.3af/802.3at Supported (Supported Voltage Range: 44 to 57VDC)** **Maximum Power Consumption: 9W** **Wireless Security: WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES)** **VLAN: 802.1Q** **Advanced QoS: Per-User Rate Limiting** **Guest Traffic Isolation: Supported** **WMM: Voice, Video, Best Effort, and Background** **Concurrent Clients: 200+** **Mounting: Wall & Ceiling mounting Kit** **POE: UBNT 48V, 0.5A PoE Gigabit Adapter or Equivalent** **Power Save: Supported** **Warranty: 3 Year onsite warranty** **Mounting Kit: UBNT Mounting KIT or Equivalent** **Security Cage: Cage to secure it from Stolen. (Sample can be check)** **Compatibility: work in standalone mode and controller based environment (UBNT Unifi Cloud KEY)**	14 No's			

<u>Signature & Stamp of Bidder</u>

2	**WLAN Controller**
	Model: UBNT Unifi Cloud KEY or Equivalent
	Hardware Specs
	•**Processor:** Quad-Core SoC
	Memory: 1 GB DDR
	Networking Interface: 10/100/1000 Ethernet Port
	Buttons: Reset to Defaults
	Power Method: PoE Micro-USB 48V 802.3af or Passive PoE (Pairs 4, 5+; 7, 8 Return) 5V
	Power Supply: 802.3af PoE or Micro-USB 5V, Minimum 1A
	Max. Power Consumption: 5W
	Features:
	Wi-Fi Management
	   • configure, Map out networks,
	   • manage system traffic.
	   • RF monitoring and device mapping
	   • Detailed RF performance analysis
	   • Band steering support
	   • Guest portal/hotspot support
	Multi-Site Management
	Detailed Analytics
	   • **configurable reporting and analytics to monitor large user groups and expedite troubleshooting.**
	LAN/WLAN Groups
	   • **multiple LAN and WLAN groups**
	Router and Switch Management
	   • WAN/LAN/VLAN configuration
	   • Operation mode (switching, mirroring, or aggregate) per port
	   • PoE setting per port
	   • Jumbo frame and flow control services
	   • Monitor and analyze performance of each port
	POE: UBNT Passive POE for UNIFI cloud key or Equivalent
	Warranty : 03 Years onsite warranty
		1	No's			

	Gran Total Amount (Rs.) Sr. 1 & 2					
	Turnkey Basis	1				
5	**2 KVA UPS** **Homage** HEX-2004 or equivalent **Type:** Modified Sine Wave Inverter + Charger (UPS) **Rated Capacity:** 2000VA, 1500Watt, 24V DC, 230V AC **Features:** LCD and LED display over load, Battery health and cutoff mode display Rack design & wall-mounted. Fully automatic restart operation. Multi-function LCD+LED indications. Over temperature & Short Circuit Shutdown. buzzer alarms.	1	No's			

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6	**Batteries Specifications** **12V 100Ah AGM Deep Cycle Battery** **Max. Discharge Current:***1000A (5 sec)* **Internal Resistance:***5-10 mΩ* **Float Charging Current:***13.6 to 13.8*VDC/unit average at25∘C **Max Charging Current:***30A* **Equalization & Cycle Service:***14.6 to 14.8VDC / unit average at 25∘C* **Self-Discharge Ratio:** *Less than 3% per month at 25∘C* **Terminal:***F5/F12* *__Warranty: 1 year onsite__*	2	No's			
	Gran Total Amount (Rs.) Sr. 5 & 6					

Item Wise Basis

3	**Data Rack (Local Made) or equivalent:** **27U Standard 19", Vented Rear Door Glass Front Door, Two fixed and four railing trays, Ventilation Fans, 2 Rack mountable PDU 8 PORT UNIVERSAL SOCKET, 30 Cage NUTTS.**	1	No's			
4	**Manageable switch (Used/Refurbished).** **Cisco Catalyst 2960-24TC or equivalent** **24 port Switch with two 2 dual-purpose uplinks, LAN based software, support for Cisco VLAN Trunking Protocol (VTP), (10/100/1000BASE-T or SFP) with 2 SFP modules.**	1	No's			
7	**Power Distribution Unit** **Rack mountable Power Distribution Unit with single button control Rack PDU 19" RM 1U Europe , 7 Sockets w/Lighted Master Switch + Safety Cover, Europe Plug 13A/3120W**	2	No's			
8	**Voltage Stabilizer / Regulator** Stabimatic 2 KVA Golden Series Single Phase Servo motor voltage stabilizer or equivalent **Input & Output Specifications:** • **VA: 2000** • **Input Voltage Range: 130 V to 260V** • **Output Voltage Range: 220V +/- 2%** • **Amps: 9.0 A** **Features:** • **Servo Motor control** • **Short Circuit & Overload Protected** • **Delay Timer (5 Sec)** • **Under & Over Voltage Protected** • **Fast Response** • **Earthling Protected** • High Efficiency • Pure Sine Wave • Response 0.5 sec/10% deviation • **Surge Protection** • Colored LEDs Indicate Normal, Under & Over Voltage	1	No's			
9	**UTP Cat 6 Cable** **Molex/3M/ AMP/ Bay Net UTP CAT 6 (Original) 23 Gauge 1000 ft. Roll or equivalent**	3	No's			
10	**Cable Manager** **AMP cable Manager or equivalent**	1	No's			
11	**Screws 1.5"**	1	Box			
12	**Plastic Rawal Plug**	10	Pack			

Signature & Stamp of Bidder

13	**RJ45 Connectors** **AMP original or equivalent (100 Pcs Box)**	1	Box			
14	**Tagging Tap** **Ez-label Tap for KL-820or equivalent** **Red and Orange color**	2	No's			
15	**Surge Protector** **Brand: Balkin or equivalent** **Surge Protection: 70 Joules of Surge Protection** **Maximum Spike Current: 4,500 Amps** **Mounting: Wall-Mountable for a protected outlet without extra cords** **Indicator: Surge Protection Indicator lets you know your equipment is protected** **Varistor : Metal Oxide Varistors (MOVs) absorb excess electricity for increased protection** **Resistor : Damage-Resistant protects circuits from fire, impact, or rust, and prevents dents and scratches**	1	No's			
16	**Cable Ties** **(Small 01 Pack + Medium 01 Pack)**	02	Pack			

Special Terms and conditions;

1. **Successful bidder in Sr. 1 & 2 is required to configure and integrate with existing infrastructure and also train to CIIT-Lahore Staff.**

2. **Purchase / Work order will be awarded of sr.# 01 & 02 on turnkey basis, Sr. 5 & 6 is also on turnkey basis and other remaining items Purchase order will be awarded on Item Wise basis.**

3. **Please submit the technical and financial bid (s) on our prescribed BoQs and clearly mention the quoted model brands, otherwise your bid (s) may be rejected and also attach the terms and conditions (signed, stamped) with both bids.**

4. **Kindly attach the tender fee with Technical Bid and Bid money / CDR with Financial Bid.**

5. **Multiple rates of an item may also lead to the rejection of bid / item.**

Signature & Stamp of Bidder

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