



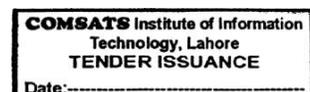
Tender Title: IT Items for Internet Facility in New Hostel LDA-II, CIIT-Lahore

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 07 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 **September 21, 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;

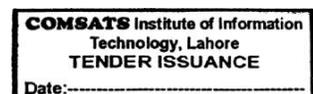
Signature & Stamp of Bidder



- iv. The envelope marked as **“FINANCIAL PROPOSAL”** shall be retained in the custody of the procuring agency without being opened;
 - 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. 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
13. The envelope shall also bear the word **“CONFIDENTIAL”** and following identification quotation of **“IT Items for Internet Facility in New Hostel LDA-II, CIIT-Lahore”**.
14. The bid form (BoQs) must be duly filled in, stamped and signed by the authorized representative of the bidder.
- 15. 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.
16. 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.
17. Deduction of Income Tax and any other tax will be deducted at source according to Government prevailing rules.
18. 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.

19. All prices should be quoted on F.O.R (Pak Rupees).
20. 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.
21. It is the sole responsibility of the agent / supplier / manufacturer to comply with the applicable laws, be national or international.
22. In case of any dispute or grievance, the matter shall be addressed as per PPRA rules.
23. The CIIT reserves the right to modify the quantities of goods / services at any time before the award of purchase / work order.
24. **05% of the total value of the Warranty Items (mentioned in BoQs) will be retained as security by COMSATS Institute of Information Technology, Lahore Campus, and will be released after Expiry of Warranty Period, which will be counted from the date of delivery / completion of work / supply.**
25. **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.**
26. 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.
27. 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.
28. 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.

BoQs of IT Items for Internet Facility in New Hostel LDA-II, CIIT-Lahore

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

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 Detail Specifications			
1	27 U Standard Branded Data Rack or equivalent: Size: 27U Standard 19" Data Rack Gauge: 16 inner/18 outer Back Doors: Vented Rear Door, lockable and detachable Front Door: Safety Glass(Tampered) Front Door, Lock system with pivot lever Trays: 5 fixed and Branded Ventilation Mechanism: Ventilation Fans Side Panels: side panels are lockable and detachable Color/paint: Powdered coted black Keyboard tray/drawer: 1U lockable keyboard shelf Cage Nuts: 20 Color & finishing : Black and Powdered coted well finished	1	Nos.	
2	Power Distribution Unit Rack mountable Power Distribution Unit with single button control, 8 PORT UNIVERSAL SOCKET with proper space to plug 3 pin plugs or equivalent.	5	Nos.	
3	UTP Cat 6 Cable Molex or equivalent CAT 6 (Original) 23 Gauge 1000 ft. Roll	6	Nos.	
4	Cable Manager AMP original or equivalent cable Manager	2	Nos.	
5	Tagging Tap Ez-label Tap for KL-820 or equivalent Red and Orange color (01 each)	2	Nos.	
6	Cable Ties (Small + medium) (01 each)	2	Nos.	
7	Original 3M Dual Lock Reclosable Fastener SJ3541 400 Black or equivalent, 1 in x 15 yd. 1 roll = 15 yd or 45 feet	1	Roll	
8	Velcro Ties (Imported) Digitus professional Velcro tap for structured cabling or equivalent	1	Roll/ Packet	
9	Surge Protector Brand: Belkin 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	1	Nos.	

Signature & Stamp of Bidder

	Resistor : Damage-Resistant protects circuits from fire, impact, or rust, and prevents dents and scratches			
10	<p>Voltage Stabilizer / Regulator Stabimatic 2 KVA Golden Series Single Phase Servo motor voltage stabilizer or equivalent</p> <p>Input & Output Specifications:</p> <ul style="list-style-type: none"> • VA: 2000 • Input Voltage Range: 130 V to 260V • Output Voltage Range: 220V +/- 2% • Amps: 9.0 A <p>Features:</p> <ul style="list-style-type: none"> • 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 <p>Warranty : One year onsite warranty including all parts</p>	1	Nos.	
11	<p>Wireless Controller</p> <ul style="list-style-type: none"> • Brand & Model: Huawei AC6005 or equivalent • Processor: 1 GHz • Switching Capacity :20 Gbit/s • Forwarding Capacity: 4 Gbit/s • RAM: 2 GB • Flash Memory: 2 GB (SD card) • VLANs Capacity: 4K • DHCP Pools Capacity: 4K • Network Topology Management: LLDP • Wireless Standards: 802.11 a/b/g/n/e/d/ac. • Multicast Service management: IGMP Spoofing and Proxy • Load Balancing: Based on STAs & Traffic volume • Location Services: Locate to different wireless supported devices like Bluetooth, Aero scoutetc. • Spectrumanalysis; Identify interferences of other matching frequencies. • Traffic Priority:QoS • Authentication Modes: WEP, WAPI, Radius, Portal etc • Authentication Support: MAC, 802.1x (EAP-PAP, EAP-MD5, EAP-PEAP, EAP-TLS, EAP-TTLS) PortalMAC+Portal • Security Isolation:port based, User group based. • WLAN User Management: Based on Aps and SSIDs • WLAN Roaming: Layer 2 and Layer 3 based • Interfaces: 6 x GE electrical interface + 2 x GE Combo interface or higher with PoE+ support • Capacity of AP Management: ≥ 256 • Capacity of Users: $\geq 2,000$ 	1	Nos.	

	<ul style="list-style-type: none"> • Rouge devices: scan, identification, defense, and countermeasures • Backup techniques: 1+1, N+1, and N+N • Number of ESSIDs:4K • Wireless Networking Mode: WDS, P-to-P,P-to-M wireless bridging, Wireless Mesh, Automatic Loop detection and prevention. • Enhanced Services: <ul style="list-style-type: none"> • 802.11 a/b/g/n/ac work in dependently or jointly (a\n, b\g, b\g\n and g\n) • Band Steering, Smart roaming, Multiusers – MIMO, Hotspot 2.0, Air Time Scheduling, WIDS, DHCP Snooping, DAI (Dynamic ARP Inspection), IPSG (IP Source Guardbogus DHCP server attack defense in local forwarding mode. • Warranty: 3 Years on site. 			
<p>12</p>	<p>Indoor Wireless Access Point</p> <ul style="list-style-type: none"> • Brand& Model: Huawei AP4050DN or equivalent • Standards: IEEE802.11a/b/g/n/ac wave 2 standards, • Bands: Dual Band (2.4G and 5G) • Data rate: Min 1.267Gbps, • MIMO: 2x2 MU-MIMO with 2 spatial streams • Should support 5G prior access • Roaming: Smart roaming 802.11k, 802.11v and 802.11r technologies • Antenna Gain: 5dBi(2.4) & 5dBi (5.0) • Working Mode: controller based and standalone mode. • Interface: 1 x GE port and one console port RJ-45. • Concurrent Connections: 256 • Security System: Wireless Intrusion Detection System (WIDS), Wireless Intrusion Prevention System (WIPS), Rogue device detection & countermeasure, attack detection & dynamic blacklist, and STA/AP blacklist and white list • Authentications :802.1x, MAC and Portal authentication • Support to DHCP snooping, Dynamic ARP Inspection (DAI), IP Source Guard (IPSG), Support STBC, LDPC, MLD & MRC. • Antenna: Built-in omni directional dual-band antenna • Transmit Power: 2.4 GHz: 23 dBm, 5 GHz: 23 dBm • Power input: IEEE 802.3af/at & Direct Adaptor • License: to work with Controller <p>Warranty : 3 Years Onsite</p>	<p>25</p>	<p>Nos.</p>	
<p>Sr. # 11 & 12 shall be ordered on Turnkey Basis</p>				
<p>13</p>	<p>2 KVA UPS with two 100 Amp Dry Batteries 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. Batteries Specifications (Qty 2)</p>	<p>1</p>	<p>Nos.</p>	

	12V 100Ah Sealed Lead Acid Batteries Max. Discharge Current: 1000A (5 sec) Internal Resistance: 5-10 mΩ Float Charging Current: 13.6 to 13.8 VDC/unit average at 25°C Max Charging Current: 30A Equalization & Cycle Service: 14.6 to 14.8 VDC / unit average at 25°C Self-Discharge Ratio: Less than 3% per month at 25°C Terminal: F5/F12 Warranty: 1 year onsite including batteries			
14	Cisco Layer 3 Manageable switch Used / refurbished WS-C3850-24 port manageable Layer three switch or equivalent. 24x1G Port Downlink 2x10G SFP+ Uplink or higher LAN based software, support for Cisco VLAN Trunking Protocol (VTP 3 and prior versions), 2x Compatible SFP+ modules. (1 = Fiber + 1= RJ45 Ethernet)	1	Nos.	
15	Patch Panel: 48 port patch panel Loaded: 3M or equivalent. 16= Green 16= Red 16=Yellow	1	Nos.	
16	Labor charges for ducting, cabling, equipment deployment	Running feet		

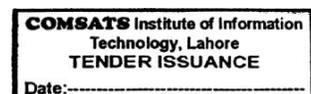
Note:

- **Please attach the authorization letter of distribution / dealership with technical bid for Items Sr. # 11 & 12.**

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

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.)
1	27 U Standard Branded Data Rack or equivalent: Size: 27U Standard 19" Data Rack Gauge: 16 inner/18 outer Back Doors: Vented Rear Door, lockable and detachable Front Door: Safety Glass(Tampered) Front Door, Lock system with pivot lever Trays: 5 fixed and Branded Ventilation Mechanism: Ventilation Fans Side Panels: side panels are lockable and detachable Color/paint: Powdered coted black Keyboard tray/drawer: 1U lockable keyboard shelf, Cage Nuts: 20 Color & finishing : Black and Powdered coted well finished	1	Nos.			

Signature & Stamp of Bidder



2	Power Distribution Unit Rack mountable Power Distribution Unit with single button control, 8 PORT UNIVERSAL SOCKET with proper space to plug 3 pin plugs or equivalent.	5	Nos.			
3	UTP Cat 6 Cable Molex or equivalent CAT 6 (Original) 23 Gauge 1000 ft. Roll	6	Nos.			
4	Cable Manager AMP original cable Manager or equivalent	2	Nos.			
5	Tagging Tap Ez-label Tap for KL-820 or equivalent Red and Orange color (01 each)	2	Nos.			
6	Cable Ties (Small + medium) (01 each)	2	Nos.			
7	Original 3M Dual Lock Reclosable Fastener SJ3541 400 Black or equivalent 1 in x 15 yd. 1 roll = 15 yd or 45 feet	1	Roll			
8	Velcro Ties (Imported) Digitus professional Velcro tap for structured cabling or equivalent	1	Roll/ Packet			
9	Surge Protector Brand: Belkin 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	Nos.			
10	Voltage Stabilizer / Regulator Stabimatic 2 KVA Golden Series Single Phase Servo motor voltage stabilizer or equivalent Input & Output Specifications: <ul style="list-style-type: none"> • VA: 2000 • Input Voltage Range: 130 V to 260V • Output Voltage Range: 220V +/- 2% • Amps: 9.0 A Features: <ul style="list-style-type: none"> • Servo Motor control • Short Circuit & Overload Protected • Delay Timer (5 Sec) 	1	Nos.			

	<ul style="list-style-type: none"> • Under & Over Voltage Protected • Fast Response • Earthing Protected • High Efficiency • Pure Sine Wave • Response 0.5 sec/10% deviation • Surge Protection • Colored LEDs Indicate Normal, Under & Over Voltage <p>Warranty : One year onsite warranty including all parts</p>					
<p>11</p>	<p>Wireless Controller</p> <ul style="list-style-type: none"> • Brand& Model: Huawei AC6005 or equivalent • Processor: 1 GHz • Switching Capacity :20 Gbit/s • Forwarding Capacity: 4 Gbit/s • RAM: 2 GB • Flash Memory: 2 GB (SD card) • VLANs Capacity: 4K • DHCP Pools Capacity: 4K • Network Topology Management: LLDP • Wireless Standards: 802.11a/b/g/n/e/d/ac. • Multicast Service management: IGMP Spoofing and Proxy • Load Balancing: Based on STAs & Traffic volume • Location Services: Locate to different wireless supported devices like Bluetooth, Aero scoutetc. • Spectrumanalysis; Identify interferences of other matching frequencies. • Traffic Priority:QoS • Authentication Modes: WEP, WAPI, Radius, Portal etc • Authentication Support: MAC, 802.1x (EAP-PAP, EAP-MD5, EAP-PEAP, EAP-TLS, EAP-TTLS) PortalMAC+Portal • Security Isolation:port based, User group based. • WLAN User Management: Based on Aps and SSIDs • WLAN Roaming: Layer 2 and Layer 3 based • Interfaces: 6 x GE electrical interface + 2 x GE Combo interface or higher with PoE+ support • Capacity of AP Management: ≥ 256 • Capacity of Users: ≥2,000 • Rouge devices: scan, identification, defense, and countermeasures • Backup techniques: 1+1, N+1, and N+N • Number of ESSIDs:4K 	<p>1</p>	<p>Nos.</p>			

	<ul style="list-style-type: none"> • Wireless Networking Mode: WDS, P-to-P, P-to-M wireless bridging, Wireless Mesh, Automatic Loop detection and prevention. • Enhanced Services: <ul style="list-style-type: none"> • 802.11 a/b/g/n/ac work in dependently or jointly (a\n, b\g, b\g\n and g\n) • Band Steering, Smart roaming, Multiusers – MIMO, Hotspot 2.0, Air Time Scheduling, WIDS, DHCP Snooping, DAI (Dynamic ARP Inspection), IPSG (IP Source Guardbogus DHCP server attack defense in local forwarding mode. • Warranty: 3 Years on site. 					
12	<p>Indoor Wireless Access Point</p> <ul style="list-style-type: none"> • Brand& Model: Huawei AP4050DN or equivalent • Standards: IEEE802.11a/b/g/n/ac wave 2 standards, • Bands: Dual Band (2.4G and 5G) • Data rate: Min 1.267Gbps, • MIMO: 2x2 MU-MIMO with 2 spatial streams • Should support 5G prior access • Roaming: Smart roaming 802.11k, 802.11v and 802.11r technologies • Antenna Gain: 5dBi(2.4) & 5dBi (5.0) • Working Mode: controller based and standalone mode. • Interface: 1 x GE port and one console port RJ-45. • Concurrent Connections: 256 • Security System: Wireless Intrusion Detection System (WIDS), Wireless Intrusion Prevention System (WIPS), Rogue device detection & countermeasure, attack detection & dynamic blacklist, and STA/AP blacklist and white list • Authentications :802.1x, MAC and Portal authentication • Support to DHCP snooping, Dynamic ARP Inspection (DAI), IP Source Guard (IPSG), Support STBC, LDPC, MLD & MRC. • Antenna: Built-in omni directional dual-band antenna • Transmit Power: 2.4 GHz: 23 dBm, 5 GHz: 23 dBm • Power input: IEEE 802.3af/at & Direct Adaptor • License: to work with Controller Warranty : 3 Years Onsite 	25	Nos.			
Grand Total Amount (Rs.) of Sr. # 11 & 12						

13	<p>2 KVA UPS with two 100 Amp Dry Batteries 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. Batteries Specifications (Qty 2) 12V 100Ah Sealed Lead Acid Batteries Max. Discharge Current: 1000A (5 sec) Internal Resistance: 5-10 mΩ Float Charging Current:13.6 to 13.8 VDC/unit average at 25°C Max Charging Current: 30A Equalization & Cycle Service: 14.6 to 14.8 VDC / unit average at 25°C Self-Discharge Ratio: Less than 3% per month at 25°C Terminal: F5/F12 Warranty: 1 year onsite including batteries</p>	1	No's			
14	<p>Cisco Layer 3 Manageable switch Used / refurbished WS-C3850-24 port manageable Layer three switch or equivalent. 24x1G Port Downlink 2x10G SFP+ Uplink or higher LAN based software, support for Cisco VLAN Trunking Protocol (VTP 3 and prior versions), 2x Compatible SFP+ modules. (1 = Fiber + 1= RJ45 Ethernet)</p>	1	No's			
15	<p>Patch Panel: 48 port patch panel Loaded: 3M or equivalent. 16= Green 16= Red 16=Yellow</p>	1	No's			
16	<p>Labor charges for ducting, cabling, equipment deployment.</p>	Running feet				

Special Terms and conditions:

- Purchase / Work order for Sr. # 1 to 10 & 13 to 16 will be awarded on Item Wise basis while Sr. # 11 & 12 will be awarded on Turnkey / Grand Total Amount Basis.**
- Authorization letter of Distribution / Dealership is also required for Item # 11 & 12.**

Signature & Stamp of Bidder

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