

Tender Document

Procurement of IT Equipment

Tender Ref# CITC IT Equipment /30 (2023-2024)



**COMSATS University Islamabad
Abbottabad Campus.**

Table of Contents

1. Tender Notice	4
2. Key Points	5
Table # 1	5
3. General Terms & Conditions of the Tender	5
4. Contact person and Submission of Bids:	5
5. Validity of Bids:	5
6. Price of the Bid:	6
7. Bid Currencies & Bid Security:.....	6
8. Clarification of Bidding Document:.....	7
9. Opening of Bids:	7
10. Influencing the evaluation process:.....	7
11. Qualification & Evaluation of Bids:	7
12. Notification of Evaluation Reports:	8
13. Corrupt or Fraudulent Practices & Blacklisting:.....	9
14. Right to Accept or Reject Bids:	9
15. Award of Contract:	9
16. Notification of Award:	9
17. Delivery Information:	10
18. Legal Document	11
19. Declaration Form.....	12
20. Bid Evaluation Criteria:.....	13
The Evaluation of bid consist on following:	13
1- Technical Evaluation.....	13
2- Financial Evaluation.....	13

Table # 2: Requirement for Technical Evaluation 13

Financial Evaluation 13

The Technically qualified bidders offering the lowest price will be awarded contract / Supply order on package wise basis. 13

21. FINANCIAL PROPOSAL..... 14

22. Technical Compliance Performa 24

1. Tender Notice

COMSTS University Islamabad, Abbottabad Campus

Tender Ref # CITC IT Equipment /29 (2023-2024)

Procurement of IT Equipment

1. COMSATS University Islamabad-Abbottabad Campus, a Public Sector University invites Bids through e-Pak Acquisition & Disposal System (EPADS) <https://eprocure.gov.pk> on “**Single-Stage Two-Envelope**” procedure basis from Income Tax & GST registered Firms/Companies who are on the Active Taxpayer List (ATL) for General Sales Tax and Income Tax of FBR for **procurement of Branded Computer Systems Core i7**.
2. The Bid Security for the Bid is **Rs. 230,000.00** in the form of Call Deposit/Bank Draft (refundable) drawn in favor of “COMSATS University Islamabad, Abbottabad Campus” (FTN/NTN: 9010420-7); scanned copy of which is required to be uploaded through EPADS and hard copy must be submitted physically along with hard-copy of sealed bidding document on the closing date of the tender to COMSATS University Islamabad, Abbottabad Campus on the address given below.
3. The complete Tendering process shall be carried out through EPADS.
4. Interested bidders are requested to register themselves on the EPADS <https://eprocure.gov.pk> and submit their tender documents.
5. For registration and guidance/training on EPADS, you may contact EPADS UAN: 051-111-137-237.
6. Closing date of submission is **March 27, 2024, by 1100 hours**. The bids shall be opened **One & half hour after the closing time** in the presence of the bidders who wish to be present, in Purchase office Admin Block, COMSATS University Islamabad, Abbottabad Campus
7. As per PPRA Rule 33, CUI may reject all bids or proposals at any time prior to the acceptance of a bid or proposal.

Contact Person and Submission



Purchase Officer

COMSATS University Islamabad, Abbottabad Campus

University Road, Tobe Camp, Abbottabad

Tel: 0992-383591-6, 0992-383863

Email: nisarahmed@cuiatd.edu.pk

2. Key Points

Table # 1

S.N	Detail	Specification
3.	Validity of Bid	90 Days from the date of closing of Bids
4.	Award of Contract / W.O	Item-wise Basis (Package 1) Consolidated Basis (Package 2, 3,4)
5.	Delivery Time	30 Days from the date of issuance of W.O
6.	Method	Single Stage Two Envelope
7.	Closing Date & Time	March 27, 2024 by 1100 HRS
8.	Opening Date & Time	One & Half Hour after the Closing Time on the same day
9.	Bid Security Amount (Under Rule 25 of PPRA Rules 2004)	230,000.00
10.	Performance Guarantee (Under Rule 39 of PPRA Rules 2004)	10% of total value of the order for period of six month from the date of invoice.

3. General Terms & Conditions of the Tender

- i. No tender/bid shall be considered if: -
 - a) Not uploaded through EPADS;
 - b) Received without required documentation or deficiency in required documentation;
 - c) Received without bid security;
 - d) In contradiction with the specification given by the CUI Atd Campus ;
 - e) Received with any condition;
 - f) The bidder is in litigation with CUI Atd or is blacklisted by any organization or is notified as blacklisted on PPRA website.

4. Contact person and Submission of Bids:

- i. Contact Person for all inquiries, clarifications and bid submission shall be:

Purchase Officer,
COMSATS University Islamabad, Abbottabad Campus
Admin Block Purchase Officer, University Road Tobe Camp Abbottabad,
Tel: 0992383863, 383591-5 FAX: 0992-3838441
Email: nisarahmed@cuiatd.edu.pk

5. Validity of Bids:

- i. The Bid shall remain valid as mentioned in **Table 1** of the tender document.
- ii. Any bidder/firm/ company which refuses to accept the Work Order based on market price escalation shall result in forfeiting the bid security. CUI Atd Campus may also impose a ban from business with it for a period of 6 months.

6. Price of the Bid:

- i. Prices quoted by the Bidder shall be fixed during the period of the contract and not subject to variation on any account.
- ii. Applicable Income tax and GST shall be deducted at source and as per rules. In case of exemption, please mention and attach proper documentation duly verified from the concerned tax authorities. However, CUI Atd Campus may accept the exemption certificate. In case of non-acceptance, CUI Atd Campus shall deduct all applicable taxes as per tax rate. CUI Atd Campus shall provide a certificate of tax deduction and the vendor may claim refunds from Tax Authorities/FBR.
- iii. In the case of tie in rates of the bidders, award of contract shall be decided through balloting in the presence of the of the bidders.
- iv. Unit price shall be taken up to 1 decimal point. The total cost shall be round-up to zero decimal.
- v. In case of any conflict in the price/cost quoted by the bidder, the unit cost (Exclusive of GST) quoted by the bidder shall be considered for calculation.
- vi. In case GST is not mentioned, the prices shall be considered as inclusive of GST.

7. Bid Currencies & Bid Security:

- i. Bid prices shall be quoted in Pak Rupees.
- ii. The currency of the bid security shall also be in Pak Rupees.
- iii. The Bidder shall furnish, as part of its bid, bid security as specified in **Table 1** of the tender document. The bid security is required to protect CUI Atd Campus against the risk of Bidder's default which would warrant the security's forfeiture.
- iv. The bid security shall be in favor of **COMSATS University Islamabad Abbottabad Campus (FTN/NTN: 9010420-7)**, in any of the following form:
 - a. Bank Draft
 - b. Pay Order
- v. A scanned copy of bid security is required to be uploaded through EPADS and hard copy must be submitted physically on the closing date of the tender to COMSATS University Islamabad Abbottabad Campus on the address given in the tender notice.
- vi. No personal cheques shall be acceptable at any cost. Also, any previous bid security shall not be considered or carried forward.
- vii. The bid security found deficient of the required amount shall not be considered.
- viii. Unsuccessful bidders' bid security shall be released and returned promptly as the successful bidder gives consent to the work order or signs the contract agreement, whichever is applicable.
- ix. The bid security of the bidder shall be forfeited if the bidder:
 - a. Requests for withdrawal of his bid during the evaluation process.

- b. Does not accept the correction of arithmetic errors in its bid.
- x. The bid security of the successful bidder shall be forfeited if the bidder:
 - a. Fails to accept the work order/sign the contract agreement after announced as successful Bidder.
 - b. Fails to comply with the requirement of the bid and contract.

8. Clarification of Bidding Document:

- i. During evaluation of the bid(s), CUI Atd Campus may, at its discretion, ask the Bidder for a clarification of its bid and such information imperative for evaluation. The request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted. In case the bidder fails to respond within given deadline, the bidder shall be considered as non-responsive and shall be disqualified from the bidding process.

9. Opening of Bids:

- i. CUI Atd Campus shall open all bids through EPADS at the time, date, and place specified in tender notice, in presence of bidders' representatives who wish to attend the meeting and shall sign an attendance sheet as evidence of their presence.

10. Influencing the evaluation process:

- i. No Bidder shall contact CUI Atd Campus on any matter relating to evaluation of its bid, from the time of bid opening to the time evaluation report is made public. If the Bidder wishes to bring additional information or has a grievance to submit, it should do so through EPADS.
- ii. Any effort by a Bidder to influence CUI Atd Campus during bid evaluation may result in disqualification of the bid.

11. Qualification & Evaluation of Bids:

- i. CUI Atd Campus shall determine whether the Bidder is qualified to perform the Contract satisfactorily, in accordance with the criteria & qualification specified in the tender document.
- ii. The qualification shall be based upon an examination of the documentary evidence submitted by the Bidder, as well as such other information as CUI Atd Campus deem necessary and appropriate.
- iii. CUI Atd Campus shall technically evaluate and compare the bids which have been determined to be substantially responsive, as per evaluation criteria given in the tender document.
- iv. The bidder's financial evaluation of a bid shall be based on the lowest evaluated bid inclusive of all prevailing taxes and duties.
- v. CUI Atd Campus shall examine the bids as whether:

- a. They are complete in all respect;
 - b. Any computational errors have been made;
 - c. Required financial sureties have been furnished;
 - d. The documents have been properly signed.
- vi. Arithmetical errors shall be rectified on the following basis:
- a. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price (exclusive of tax) shall prevail, and the total price shall be corrected. If the Contractor does not accept the correction of the errors, the bid shall be rejected, and the bid security shall be forfeited.
 - b. If there is a discrepancy between words and figures, the amount in words shall prevail.
- vii. CUI Atd Camus may waive any minor non-conformity, in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.
- a. *Explanation: A minor non-conformity is one that is merely a matter of form and not of substance. It also pertains to some immaterial deficiency in a Bid or variation of a bid from the exact requirements of the tender document that can be corrected or waived without being prejudicial to other bidders. The deficiency is immaterial when the effect on quantity, quality, or delivery is negligible when contrasted with the total cost or scope of the supplies or services being acquired. CUI Atd Campus shall either give the bidder an opportunity to correct any deficiency in a bid or waive the deficiency, whichever is advantageous to CUI Atd Campus.*
- viii. Prior to the detailed evaluation, CUI Atd Camus shall determine the substantial responsiveness of each bid to the bidding documents. For the purposes of these clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations.
- ix. Deficiency in bid security, Applicable Law and Taxes and Duties shall be deemed to be a material deviation. The CUI's Atd Campus determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.
- x. If a bid is not substantially responsive, it shall be rejected and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

12. Notification of Evaluation Reports:

- i. The evaluation report shall be notified through EPADS.

13. Corrupt or Fraudulent Practices & Blacklisting:

- i. The bidders shall be required to observe the highest standard of ethics during the procurement and execution of contracts. For the purpose of this provision, the terms set forth below are defined as under:
 - a. "Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution;
 - b. "Fraudulent practice" means a misrepresentation of facts to influence a procurement process or the execution of a contract to the detriment of CUI Atd Campus;
 - c. "Collusive practice" is an arrangement among bidders (prior to or after bid submission) designed to establish bid prices at artificial, non-competitive levels for any wrongful gains, and to deprive CUI Atd Campus of the benefits of free and open competition.
- ii. CUI Atd Campus shall have the right to reject a proposal for award if it determines that the bidder had been engaged in corrupt or fraudulent practices in the past with any organization.
- iii. Any bidder/firm/company which is blacklisted by any organization and/or notified as blacklisted by PPRA shall be considered disqualified from the bidding process unless and until it is de-notified on PPRA website.
- iv. If it at any time, CUI Atd Campus determines that the firm has engaged in corrupt, fraudulent, or collusive practices in competing for, or in executing the contract, it shall sanction/ban a bidder/firm/company, in accordance with prevailing Blacklisting procedures under Federal Public Procurement Rules.

14. Right to Accept or Reject Bids:

- i. Under PPRA Rule 33(1), CUI Atd Campus may reject bids or proposals at any time prior to the acceptance of a bid or proposal, without incurring any liability to the bidder(s).

15. Award of Contract:

- iii. After scrutiny of all bidding documents, the final evaluation report shall be uploaded to EPADS, and the work order/purchase order shall be issued on the basis of most advantageous bid as mentioned in **Table 1** of the tender document.
- ii. The successful bidder shall immediately sign a contract agreement / give consent to the Work Order/Purchase Order. The bidder shall bear all the stamp duties and expenses for the purpose of contract agreement/Work Order/Purchase Order, if any.

16. Notification of Award:

- i. The notification of award shall constitute the formation of the Agreement/Work Order/Purchase Order.

- ii. Upon the successful bidder's signing the contract agreement/acceptance/consent to the Work Order/Purchase Order, CUI Atd Campus will promptly notify the unsuccessful bidder(s) and will release its bids security.

17. Delivery Information:

- i. The supply shall be made to CUI Atd Campus as mentioned in **Table 1** of the tender document.
- ii. In case of delay in delivery, the vendor may submit a written request for extension in delivery time, giving valid justification with proof.
- iii. CUI Atd Campus may extend the delivery time according to the reason of delay with the condition of deductions in percentage (0% to 10%) from the total bill as penalty. The decision shall be communicated to the vendor for extension along with [percentage of deduction, if any]. In case of non-responsiveness/non-acceptance by the vendor, the work order shall automatically be cancelled, the bid security shall be forfeited. CUI may also impose a ban from business with it for a period of six months.
- iv. CUI Atd Campus may reject the request for extension, in which case, the work order shall be cancelled, the bid security shall be forfeited. CUI Atd Campus may also impose a ban from business with CUI for a period of six months.
- v. It shall be the responsibility of vendor to make delivery as per Work Order directly to the **Store Section** and may be informed one day prior to delivery for proper arrangements and entry. The supplier shall insure the duly signed delivery challan from store officials.
- vi. The bills along with delivery challan (duly signed by authorized official of CUI Atd Campus) shall be submitted to the Procurement Office for further necessary payment process. Any deficiency in bill/supporting documentation shall be removed by the vendor.
- vii. Any defective item(s) shall be replaced by the vendor during the warranty period, free of cost, within Fifteen days is time. In case of failure to supply the specific item, CUI Atd Campus shall purchase the item on risk and cost of the supplier, to be deducted from the bidder's bid security or performance guarantee.
- viii. Payment shall be made as per actual quantity delivered & accepted to CUI Atd Campus.
- ix. Samples are mandatory where specifically demanded and bid without samples shall be considered non-responsive. No sample(s) shall be accepted after the closing date of the tender. Sample(s) other than the demanded item(s) shall not be considered.
- x. After technical evaluation of bids, sample(s) provided by bidders may be picked up from the procurement section within 30 days from the date of technical bid evaluation announcement. Failure on the part of the bidder(s) to collect his samples within the stipulated time shall allow CUI Atd Campus to dispose-off the samples.

18. Legal Document

- i. The Tender document and Contract agreement/Work Order/Purchase Order altogether shall have legal binding on all bidders.

19. Declaration Form

(THIS FORM IS TO BE PROVIDED WITH THE BID)

All the terms & conditions have been carefully read and understood and are hereby unconditionally accepted and it is declared that:

- a) I understand that by inserting any condition in my bid consciously or unconsciously shall automatically disqualify me from the bidding process.
- b) By altering/adding/deleting any point, clause, condition in the documents provided shall automatically disqualify me from the bidding process.
- c) All the information furnished by me here-in is correct.
- d) I have no objection if enquiries are made about the work listed by me/us in the accompanying sheets /annexure.
- e) I agree that the decision of CUI Atd Campus in selection shall be final and binding to me.
- f) I have read the instructions appended to the proforma and I understand that if any false information in the document is noticed at a later stage, CUI Atd Campus is at liberty to act in a manner in accordance with the applicable rules and terms & conditions of the tender, which may include Penalty AND/OR forfeiting of bid security AND/OR blacklisting for future tendering with CUI Atd Campus AND/OR bar from business with CUI Atd Campus for a period of six months.

Tender Title	
Name of Firm/ Company	
Year of Establishment in this business	
Name of Authorized agent	
Office Address	
GST No.	
NTN.	
Valid Cell No.	
Valid E-mail (For all official correspondence)	
Signature & Stamp (Authorized Representative)	

20. Bid Evaluation Criteria:

The Evaluation of bid consist on following:

1- Technical Evaluation

2- Financial Evaluation

Table # 2: Requirement for Technical Evaluation

Detail	Criteria
1. Draft of Bid Security (To be Physically Submitted to Purchase Section on the Closing Date)	Mandatory
2. Financial Bid / Quotation (Strictly as per CUI Atd Campus pattern) Any alteration/addition/deletion shall dis-qualify the bidder from the bidding process	Mandatory
3. Declaration Form	Mandatory
4. Active Taxpayer List (ATL) of FBR Status as "Active" in I.T and Compliance Level is 100% in GST	Mandatory
5. Proof of Non-Blacklisting: Affidavit on legal paper of appropriate value (duly attested from notary public) OR letterhead that the firm/company is neither blacklisted nor in litigation with any public sector client	Mandatory
Compliance with CUI Abbottabad requirement/Specification 6. Mentioning of Brand Name (if any) is mandatory. Blank technical sheet shall be treated as non-compliance and may result rejection of tender / bid	50 Marks
Professional Experience 7. List of 5 executed/ similar contracts of over Rs.200,000/- each for Different Clients in the last 3 Year (10 Marks each)	50 Marks

- Failing in any of the mandatory requirement shall disqualify the bidder from the bidding process.
- To be qualified, securing at least 70% Marks in technical evaluation and at least 80% in Specification is Mandatory.
- After evaluation/marketing of bidders in technical evaluation process, financial bids of technically qualified bidders shall be only opened later on prior notice.

Financial Evaluation

The Technically qualified bidders offering the lowest price will be awarded contract / Supply order on package wise basis.

- **DO NOT** attach any information or portfolio which is not requested. Only provide the demanded information

21. FINANCIAL PROPOSAL

(On Company's Letterhead)

Ref No: _____

NTN: _____

Date: _____

GST: _____

Procurement of IT Equipment

Package 1: Item-wise Basis

S#	ITEM DESCRIPTION	Qty	Unit Price (GST Excl)	GST Amount (If any)	Unit Price (GST Incl)	Total Cost (GST Incl)
1.	Computer Systems (Core i5) Branded Computer System, Processor: Intel Core i5 12th generation or higher, up to 4Ghz or higher, with integrated graphics, Hard Drive: 512 SSD (500+ Data Read/Write) RAM: 8 GB, Keyboard: USB Branded (Of the same brand) Mouse: USB Branded (Of the same brand), LED Monitor: 21.5" or higher (Of the same brand), LAN: Gigabit Ethernet LAN, Standard Warranty (At least one year), Without CD/DVD ROM. (Branded HP, DELL or equivalent)	6				
2.	Access Switches (24 Ports) Non-managed Network Switch 24x10/100/1000 Gigabit ports, Switching Capacity: 48 Gbps or more, Forwarding Rate: 35.71 mpps or more, Packet buffer: 512KB, Filtering Address Table: 8K MAC addresses per device, Packet Filtering/ Forwarding Rate, Gigabit Ethernet: 1,488,000 pps per port, MAC Address Learning, Self-learning, auto-aging, Standards: IEEE 802.3 10BASE-T Ethernet, IEEE 802.3u 100BASE-TX Fast Ethernet, IEEE 802.3ab, 1000 BASE-T Gigabit Ethernet, ANSI/IEEE 802.3 NWay auto-negotiation, IEEE 802.3x Flow Control, QoS (Quality of Service), 802.1p priority, 8 queues, Energy-Efficient Ethernet (EEE), Flow Control, Port Isolation, Storm Control, Iron body rack mountable, Warranty 1 Year.	8				
3.	Access Switches (16 Ports) Non managed Network Switch 16x10/100/1000 Gigabit ports, Switching Capacity: 32 Gbps or more, Forwarding Rate: 23 Mpps or more, Packet buffer: 512KB, Filtering Address Table, 8K MAC addresses per device, Packet Filtering/Forwarding Rate, Gigabit Ethernet: 1,488,000 pps per port, MAC Address	10				

S#	ITEM DESCRIPTION	Qty	Unit Price (GST Excl)	GST Amount (If any)	Unit Price (GST Incl)	Total Cost (GST Incl)
	Learning, Self-learning, auto-aging, IEEE 802.3 10BASE-T Ethernet, IEEE 802.3u 100BASE-TX Fast Ethernet, IEEE 802.3ab 1000BASE-T Gigabit Ethernet, ANSI/IEEE 802.3 NWay auto-negotiation, IEEE 802.3x Flow Control, QoS (Quality of Service), 802.1p priority, 8 queues, Energy-Efficient Ethernet (EEE), Flow Control, Port Isolation and Storm Control, Iron body Rack mountable, Warranty 1 Year					
4.	Access Switches (8 Ports) Non managed Network Switch, 8 Port Gigabit, 8 x 10/100/1000 Gigabit ports, 1.6 Gbps Switching capacity, Forwarding Rate: 1.19 mpps or more, Fan-less design for silent operation, IEEE 802.3x Flow Control, Auto MDI/MDI-X crossover for all ports, Support up to 10,000 bytes jumbo frames, 802.3az Energy-Efficient Ethernet (EEE), RoHS-compliant, Energy-Efficient Ethernet (EEE), Flow Control, Port Isolation, Storm Control, Warranty 1 Year	6				
5.	PoE Network Switch Gigabit PoE Non-Managed Network Switch, 8 + 2Port Gigabit, 1.6 Gbps Switching capacity, Forwarding Rate: 1.19 mpps or more, Fan-less design for silent operation, Warranty 1 Year	5				
6.	PoE Network Switch Gigabit PoE Non-Managed Network Switch 5 port, Harsh environment, Warranty 1 Year.	4				
7.	LED TV (55 inch) LED TV UHD/4K 55-inch borderless A+ quality, Smart Android 11 or higher. resolution 1920*1080, with 2 HDMI or more, 1 VGA, interface, with wall mount, remote control. Warranty 1 year.	2				
8.	LED TV (65 Inch) LED TV UHD/4K 65-inch borderless A+ quality, Smart Android 11 or higher. resolution 1920*1080, with 2 HDMI or more, 1 VGA, interface, with wall mount, remote control. Warranty 1 year. with wall mount bracket, and 15m HDMI cable (Ugreen/Speedx or equivalent) and 15m Power cable [CEE 7/7 "SCHUKO (Europe) to IEC 60320 C13], Installation Included	25				
9.	Multimedia Projector 3,600 ANSI Lumen, SmartEco Energy Conservation, 20,000:1 High contrast, Native Resolution 1024 x 768 pixels, Light Source: Lamp, Built-in Speaker 2W, (BenQ DLP Projector: MX550 or equivalent), with projector enclosure, and 15m 4K HDMI Ugreen or Speedx cable, 15m power cable CEE 7/7 "SCHUKO	10				

S#	ITEM DESCRIPTION	Qty	Unit Price (GST Excl)	GST Amount (If any)	Unit Price (GST Incl)	Total Cost (GST Incl)
	(Europe) to IEC 60320, C13, Projector Security Cage (top quality cold rolled steel material, 55~100cm ceiling drop adjustment with extension ceiling arm, Universal ceiling mount bracket kit with square case, Lockable key for safe), Installation included					
10.	RFID Biometric Attendance with Access Control Biometric & RFID Attendance with access control Machine: Biometric, Fingerprint, Palm, FRID, 2.8 inch TFT color screen, Palm capacity 300 or more, Fingerprint capacity 3000 or more, RFID 125kHz EM / 13.56MHz IC or more, Card Capacity 10000 or more, Log capacity 100000 or more, Interfaces TCP/IP, USB-Host, Wi-Fi, Automatic Status Switch, Self-Service Query, Work Code, T9 Input, 9 Digit User ID, DST, Scheduled-bell, SMS, RS232 Printer AC module ID Card, IC Card POE, 3G / 4G, Battery Module, ADMS AC module 2: Exit Button, Door Lock, Alarm,12V OUT, AUX IN, Door Sensor, RS485, Wiegand IN / OUT, Power 12V / 1.5 A, Verification Speed <equal to 1 sec, Dimension 179.95x134.94x38.5 mm etc.	01				
11.	Webcam 4K 4K PRO WEBCAM, Resolution FPS: 4K Ultra HD 2160p/30fps, Full HD 1080p/30 or 60fps, HD 720p/30, 60, or 90fps, Zoom Capability: Up to 5x, Noise Cancelling Mic: 2 omnidirectional mics, USB-A plug-and-play, USB-C support, Cable Length: 7.2 ft (2.2 m), Autofocus, Auto Light Correction	01				
12.	Webcam (HD) Full 1080p HD video calls, Resolution FPS: Full HD 1080p/30fps, HD 720p/30fps, Zoom: Up to 1.2x, Autofocus, Auto Light Correction, Noise Cancelling Mic: 2 omnidirectional mics, USB-A plug-and-play, Cable Length: 5 ft (1.5 m), (Logitech C920 PRO HD WEBCAM or equivalent)	01				
13.	Router Router, CPU AL32400 or higher, Architecture ARM 64bit, 4Core,4 GB RAM or more, 16x Gigabit 10/100/1000 Ethernet ports, 2xSFP+ ports RouterOS v7. (Mikrotik CCR2004-16G-2SPC)	01				
14.	Router Router CPU AL73400 or higher, Architecture ARM 64bit, 16 Core, 13x Gigabit Ethernet, 4x SFP+ ports, 16GB RAM, storage 128 MB, RouterOS v7, dual-redundant power supply (Mikrotik CCR2116-12G-4S+ or equivalent)	01				
15.	Wireless Access Points	15				

S#	ITEM DESCRIPTION	Qty	Unit Price (GST Excl)	GST Amount (If any)	Unit Price (GST Incl)	Total Cost (GST Incl)
	Wi-Fi Access Point (indoor), Wi-Fi 6 Ready, Dual-Band, Device Interfaces: 1 x 10/100/1000 Mbps (PoE) Ethernet or above LAN, Antennas: 2 x dual-band internal antennas or above, Data Signal Rate: 2.4 GHz - Up to 575 Mbps, 5 GHz - Up to 1200 Mbps, Antenna Gain: 3.2 dBi (2.4 GHz), 4.3 dBi (5 GHz, User 200+ connections, Standards: IEEE 802.11a/b/g/n/ac/ax, IEEE 802.3u/ab, IEEE 802.3az, Energy-Efficient Ethernet (EEE), IEEE 802.3at PoE, Security Protocol: WPA/WPA2/WPA3™ Personal/Enterprise, WEP, 64/128-bit, SSID broadcast disable, MAC, address access control, internal RADIUS server, Network Management: Web (HTTP), Secure Socket Layer (SSL), Traffic control, Power Supply: Connect 12 V / 2.5 A with power adapter , IEEE 802.3at PoE, with PoE and power adaptor.					
16.	UTP Cable UTP Cable CAT6, 305 meter roll/box, 100 Ω, 24AWG, 4-Pair UTP Cable, 350 MHz UTP Category 6 cable, Conductor resistance at 20° C (max.) 98,6 Ω/km, Dielectric strength at 50 Hz 1 kV/1min, Insulation resistance (min.) 5000 MΩ/km, Velocity (nom.) 66%, Characteristic impedance 100 +/-15 Ω (1 to 100 MHz), Mutual capacitance (nom) <55 pF/m. Propagation delay skew <20 ns/100m, Fire retardant IEC 60332-1, Halogen free (LSOH version) IEC 60754-1.	13 Roll				
17.	STP Cable STP Cable CAT6 305 meter roll/box, 100 Ω, 24AWG, 4-Pair UTP Cable, 350 MHz UTP Category 6 cable, Conductor resistance at 20° C (max.) 98,6 Ω/km, Dielectric strength at 50 Hz 1 kV/1min, Insulation resistance (min.) 5000 MΩ/km, Velocity (nom.) 66%, Characteristic impedance 100 +/-15 Ω (1 to 100 MHz), Mutual capacitance (nom) <55 pF/m. Propagation delay skew <20 ns/100m, Fire retardant IEC 60332-1, Halogen free (LSOH versions) IEC60754-1	04 Roll				

Package 2: Misc Items (The Work Order for this package will be awarded to Consolidated Basis)

S#	ITEM	DESCRIPTION	Unit	Qty	Unit Price (GST Excl)	GST Amount (If any)	Unit Price (GST Incl)	Total Cost (GST Incl)
1.	RJ 45 connectors	RJ-45 Cat 6 Connector, Full copper conductor, High quality 50-micron gold contacts, Meets or exceeds Category 6 EIA/TIA 568 a-B, RoHS compliant, For 23AWG - 24AWG Wires.	Unit	700				
2.	Cable Ties	Cable ties small (in packets)	Packet	5				
3.	Cable Ties	Cable ties medium (in packets)	Packet	10				
4.	Cable Ties	Cable ties large (in packets)	Packet	5				
5.	Cable beads/clips	Cable clips of single cable (in packets)	Packet	10				
6.	Cable beads/ clips	Cable clips of double cable (in packets)	Packet	5				
7.	Cable beads / clips	Cable clips of 4 cables (in packets)	Packet	4				
8.	Electric Cable	2 Core Electric cable, 40/76 copper (80-meter Roll)	Roll/ Box	7				
9.	Cable Duct	PVC high-quality industrial-grade Cable Duct 40x40 inches (in feet)	Feet	250				
10.	Cable Duct	PVC high-quality industrial-grade Cable Duct 25x38 inches (in feet)	Feet	250				
11.	Cable Duct	PVC high-quality industrial-grade Cable Duct 25x25 inches (in feet)	Feet	250				
12.	Cable Duct	PVC high-quality industrial-grade Cable Duct 16x16 inches (in feet)	Feet	250				
13.	PVC Flexible pipe	PVC Flexible pipe 3 inch (in feet)	Feet	50				
14.	PVC Flexible pipe	PVC Flexible Pipe 1 inch (in feet)	Feet	70				
15.	Black Screw	Black Screws 1 inch (in box)	box	5				
16.	Black Screw	Black Screws 1.5 inch (in box)	box	5				
17.	Black Screw	Black Screws 2 inch (in box)	box	3				
18.	Black Screw	Black Screws 3 inch (in box)	box	3				
19.	Steel nails	Steel nails 1 inch (in box)	box	8				

S#	ITEM	DESCRIPTION	Unit	Qty	Unit Price (GST Excl)	GST Amount (If any)	Unit Price (GST Incl)	Total Cost (GST Incl)
20.	Steel nails	Steel nails 1.5 inch (in box)	box	4				
21.	Steel nails	Steel nails 2 inch (in box)	box	3				
22.	Tapes	PVC tape electric	Unit	50				
TOTAL COST OF PACKAGE 2 (GST INCLUSIVE)								

Package 3: IT Accessories (The Work Order for this package will be awarded to Consolidated Basis)

S#	ITEM	DESCRIPTION	Unit	Qty	Unit Price (GST Excl)	GST Amount (If any)	Unit Price (GST Incl)	Total Cost (GST Incl)
1.	Hard Disk	Internal Hard Drive for Surveillance, 8TB, SATA 6.0Gb/s, Cache: 256MB, Form Factor: 3.5", Warranty 2 Year	Unit	5				
2.	Computer Mouse	Optical Mouse, USB, Black, Wired, A4tech or equivalent	Unit	15				
3.	Keyboard	Wired, USB, FN Hot Keys, Low Profile Keys, A4tech or equivalent	Unit	15				
4.	RAM	DDR-4, 2666 MHz or equivalent, 4 GB, 1 year warranty	Unit	12				
5.	RAM	DDR-4, 2666 MHz or equivalent, 8 GB, 1 year warranty	Unit	12				
6.	Hard drive NVMe M.2 SSD	Capacity: 512GB, NVMe interface, Internal	Unit	50				
7.	SSD Hard drive	Capacity: 512GB, SATA interface, Internal, 2.5"	Unit	40				
8.	Power Supply	24 Pin, L*W*H [148 * 240 * 86 mm] approx., Non-Modular, Compatible with 3rd or 4th generation Desktop Computers, Dany or equivalent, 1year warranty	Unit	15				

S#	ITEM	DESCRIPTION	Unit	Qty	Unit Price (GST Excl)	GST Amount (If any)	Unit Price (GST Incl)	Total Cost (GST Incl)
9.	HDMI Cable	HDMI 2.1 Cable, 15 meters, 4K, HDMI to HDMI, Ultra High Speed, 24K Gold Plated connector, Male to male connector, High Speed, Heat Resistant, Ugreen or Equivalent	Unit	15				
10.	HDMI to VGA Converter	1080P VGA Male to HDMI Female Adapter Converter, Input ports: 1xVGA, 1x3.5mm audio jack, Output ports: 1xHDMI, Material: ABS+PC	Unit	8				
11.	Power Cable	15 meters, Power Chord, Black, CEE 7/7 "SCHUKO (Europe) to IEC 60320, C13, Female-to-Male, 5 Amps	Unit	15				
12.	HDMI Cable	HDMI 2.1 Cable, HDMI to HDMI, Male to Male connector, High Quality, 1.5 m	Unit	10				
13.	VGA Cable	15 pin male to male connector, High-Quality VGA Cable, 1.5m	Unit	10				
14.	HDMI Splitter	HDMI Ports: 4*1, Resolution 4K/30Hz, Connection Bi-directional, Ugreen or equivalent	Unit	4				
15.	Printer Data Cable	USB Printer Cable USB Type B Male to A Male USB 2.0 Cable, 1.5m	Unit	10				
16.	Clamping Tool	Clamping Tool (RJ-45, RJ-11), Non-slip, wear-resistant, comfortable, Trims flush to end face of connector eliminating unintended contact between conductors, All-in-one tool cuts, strips and crimps paired-conductor data cables, Industrial precision molds, laser-milling groove processing, tooth pitch deep, tooth width, accuracy close to "wire", Used for crimping 8P RJ45 punched connectors, cable, cutting cable, Material: steel	Unit	2				

S#	ITEM	DESCRIPTION	Unit	Qty	Unit Price (GST Excl)	GST Amount (If any)	Unit Price (GST Incl)	Total Cost (GST Incl)
17.	CMOS Cell	CR2032 Lithium Battery 3V (Coin Cell) for Computer Motherboard	Unit	200				
18.	VGA to HDMI converter	VGA to HDMI converter	Unit	2				
19.	Wireless LAN Cards	PCI-Express adapter LAN card, Detachable Omni Directional Antenna (RP-SMA), 2dBi, 150 Mbps	Unit	5				
TOTAL COST OF PACKAGE 3 (GST INCLUSIVE)								

Package 4: CCTV (The Work Order for this package will be awarded to Consolidated Basis)

S#	Item	Description	Unit	Qty	Unit price (GST excl)	Gst amount	Unit Price (GST Incl)	Total Cost (GST Incl)
1.	Network Video Recorder (NVR)	Network Video Recorder: HD, Cloud storage support, Up to 16-ch IP camera inputs, .265+/H.265/H.264+/H.264 video format, Up to 8 MP support decoding capacity, 1 HDMI and 1 VGA interfaces, both interfaces support independent video output 2 SATA interfaces for HDD connection (up to 16 TB per HDD) Up to 160 Mbps incoming bandwidth, resolution support for recording. Warranty 1 Year	Unit	3				
2.	CCTV IP CAM (2MP)	CCTV IP Camera, 2 MP Outdoor, WDR Fixed Bullet, high quality imaging with 4 MP resolution, Efficient H.265+ compression technology, Clear imaging against strong back light due to 120 dB true WDR technology, Water and dust resistant (IP67), Robust structure design with full metal materials. Image Sensor1/3" Progressive Scan CMOS, Min. Illumination Color: 0.01 Lux @ (F1.2, AGC ON), 0.018 Lux @ (F1.6, AGC ON), 0 Lux with IR, Shutter Speed1/3 s to 1/100,000 s, Slow Shutter, Wide Dynamic Range120dB, Day & Night IR Cut Filter up to 60meter, Angle Adjustment Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°. Warranty 1 Year	Unit	40				
3.	CCTV IP CAM (4MP)	CCTV IP Camera, 4 MP Outdoor, WDR Fixed Bullet, high quality imaging with 4 MP resolution, Efficient H.265+	Unit	10				

S#	Item	Description	Unit	Qty	Unit price (GST excl)	Gst amount	Unit Price (GST Incl)	Total Cost (GST Incl)
		compression technology, Clear imaging against strong back light due to 120 dB true WDR technology, Water and dust resistant (IP67), Robust structure design with full metal materials. Image Sensor1/3" Progressive Scan CMOS, Min. Illumination Color: 0.01 Lux @ (F1.2, AGC ON), 0.018 Lux @ (F1.6, AGC ON), 0 Lux with IR, Shutter Speed1/3 s to 1/100,000 s, Slow Shutter, Wide Dynamic Range120dB, Day & Night IR Cut Filter up to 60meter, Angle Adjustment Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°. Warranty 1 Year						
4.	CCTV PVC Box	PVC Plastic CCTV Box for CCTV 4*4	Unit	50				
5.	Media Converters	Fiber to ethernet, 1000 Mbps, Single mode, single core (in pairs)	Unit	3				
6.	Media Converters	Fiber to ethernet, 1000 Mbps, Single mode, two cores (in pairs)	Unit	3				
TOTAL COST OF PACKAGE 4 (GST INCLUSIVE)								

- The bid is submitted without any conditions.
- All the terms and conditions set forth by COMSATS University Islamabad, Abbottabad Campus in this tender are acceptable unconditionally, including **bid validity and delivery time**.

Name of Authorized Person:

Date:

Signature

Official Company Seal:

22. Technical Compliance Performa

(On Company's Letterhead)

Ref No: _____

NTN: _____

Date: _____

GST: _____

Procurement of Procurement of IT Equipment

SN	Specification	Compliance	Non-Compliance	Higher if any
01				

- The bid is submitted without any conditions.
- All the terms and conditions set forth by COMSATS University Islamabad are acceptable unconditionally, including **bid validity and delivery time**.
- I understand that blank technical sheet / non-mentioning of Brand and Model shall make my bid non-responsive and may result rejection of my bid.

Name of Authorized Person: _____

Date: _____

Signature _____

Official Company Seal: _____