



**Government of Khyber Pakhtunkhwa
Ayub Teaching Hospital
Medical Teaching Institution, (ATH) Abbottabad**

Standard Bidding Document

FOR

IT Equipment (Annual Tender FY 2026-27)

Under National Competitive Bidding (NCB)

Tender (2026-27)

PREFACE

These Standard Bidding Documents have been prepared for use & prepared by the Ayub Medical & Teaching Institution Abbottabad, for procurement of IT Equipment, through National Competitive Bidding (NCB) Khyber Pakhtunkhwa via E-PADS.

The standard bidding documents for procurement of the said Bidding Documents are grouped in four parts.

Part-I	Mandatory Documents
Part-II	Instructions to Bidders (ITB)
Part-III	Technical Evaluation Performa
Part-IV	List of IT Equipment with Specifications and required Warranty

PART - I

Mandatory Documents

- a) Registration Certificate for NTN, STRN.
- b) Active on ATL for NTN & STRN.
- c) Last three-year bank statement/Bank Maintenance Certificate.
- d) Last Year Income Tax return.
- e) Affidavit on judicial stamp paper duly attested mentioning following statements:
 - (i) 2% CDR is attached with financial bid.
 - (ii) The firm is not black listed.
 - (iii) Non-shareholder Certificate (That no employee of Ayub Teaching Hospital, Abbottabad is shareholder in the firm's business).
- f) Warranty as per bidding documents.
- g) Certificate of 100% compliance with purchaser's specifications shall be provided on Firm/Company letter head.

Note: Any Documents Missing in the mandatory documents will leads to disqualification.

PART - II

Instructions to Bidders (ITB)

(A) General:

1. Scope of Bid

AMTI invites bids for **IT Equipment**, Items specified in Schedule of Requirements along with Technical Specifications and related after sales services incidental thereto to meet the requirements AMTI Abbottabad with Bid Reference Number for the procurement activity as mentioned in Bid Data Sheet (BDS).

2. Source of Funds

AMTI Abbott bad

3. Eligible Bidders

3.1 This Invitation for Bidders (IFB) is open to all eligible registered manufacturers, registered importers and authorized dealers of IT Equipment. The Importer/Authorized dealer must possess valid authorization from the Principal origin. Furthermore, all the items quoted must be registered with the relevant forum.

3.2 Bidders under the declaration of ineligibility for corrupt and fraudulent practices issued by the Government (Federal, Provincial or Local) or a public sector organization are NOT ELIGIBLE.

4. Corruption and Fraud

4.1 The Government of Khyber Pakhtunkhwa defines Corrupt and Fraudulent Practices as, *“offering, giving ,receiving or soliciting of anything of value to influence the action of the public official or the supplier or the contractor in the procurement process or in contract execution to the detriment of the Procuring agencies; or misrepresentation of facts in order to influence a procurement process or the execution of contract, collusive practices among bidder (prior to or after bid submission) designed to establish bid prices at artificial, non-competitive and any request for or solicitation of anything of value by any public official in the course of the exercise of this duty”*.

4.2 Indulgence in corruption and fraudulent practices is liable to result in rejection of Bids, cancellation of contract, debarring and blacklisting of the bidder, for a stated or indefinite period of time.

5. Bidding for Selective Items

A Bidder, if he so chooses, can bid for selective items from the list of goods provided for the schedule of Requirements. A Bidder is also at liberty to bid for all the goods mentioned in the Schedule of Requirements provided he fulfills the requirements.

However, a Bidder cannot bid for partial quantities of an item in the Schedule of Requirement. THE BID MUST BE FOR THE WHOLE QUANTITY OF AN ITEM REQUIRED IN THE SCHEDULE OF REQUIREMENT

(B) The Bidding Procedures:

1. The Governing Rules

The Bidding procedure shall be governed by the Khyber Pakhtunkhwa Public Procurement of Goods, Works and Services KPPRA Rules, 2014.

2. Applicable Bidding Procedure

The bidding procedure is governed by thy Rule 06 Para (2) KPPRA Rules, 2014.

3. The bidding procedure is explained below:

Single Stage, Two Envelop Procedure (Rule 2(b) KPPRA 2014) via E-PADS KP-PPRA.

- i) The bid shall be submitted through E-PADS both the Technical Proposal and the Financial Proposal.
- ii) The files shall be marked as “TECHNICAL PROPOSAL” and “FINANCIAL PROPOSAL” **FOR IT Equipment** in bold and legible letters to avoid confusion.
- iii) Initially the “TECHNICAL PROPOSAL” shall be downloaded; technical proposal is to determine the technical strength and consideration of the illegibility of the firm for the bidding process, which is to be carried out before the opening the financial bids.
- iv) The “FINANCIAL PROPOSAL” shall be only be downloaded and opened after the successful technical evaluation.
- v) The Technical Evaluation Committee (TEC) shall evaluate the technical proposal, without reference to the price and reject any proposal which do not conform 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 to be announced and communicated to the Bidders in advance in accordance with KP-PPRA Rules through procuring entity website and E-PADS.

- viii) After the evaluation and approval of the technical proposal the Purchase committee shall at a time within the bid validity period, publicly open the financial proposals of the technically accepted bids only.
- ix) The bid found to be the lowest offered price shall be accepted.

Preparation of Bids

(A) The Bidding Documents:

1. Contents of the Bidding Documents

The Bidding Documents include

2. Language of Bids

2.1 All Correspondences, communications associated with preparation of Bids, clarifications, amendments, submissions shall be written in English/Urdu. Supporting documents and printed literature furnished by the Bidder may be in any language provided they are accompanied by an accurate translation of the relevant passages in English/urdu, in which case, for purpose of interpretation of the Bid, the said translation shall take precedence.

3. Bid Price

3.1 The Bidders should quote the prices of the goods according to the technical specifications the technical specifications of goods; different from the required specifications shall straightway be rejected.

3.2 The Bidder is required to offer a competitive price which must include all the taxes, levies, duties, prescribed prices.

If there is no mention of taxes, the offered/quoted price shall be considered as inclusive of all prevailing taxes/duties, etc.

3.3 The benefit of exemption from or reduction in the taxes and duties shall be passed as per Govt. rules.

3.3 Prices offered should be for the entire quantity of an item demanded in the Schedule of Requirement; partial quantity offered shall be straightway rejected. Conditional or alternate offer shall also be considered as non-responsive bid.

3.4 While making a price quote, trends/inflation in the rate of goods and services in the market should be kept in mind. No request for increase in price due to market fluctuation in the cost of goods or services shall be entertained.

4. Bid Currencies

Price shall be quoted in Pakistani Rupees.

5. Bid Validity

5.1 Bid Validity is for 90 days.

5.2 The TEC shall ordinarily be under an obligation to process and evaluate the bid within the stipulated bid validity period. However, under exceptional circumstances and for reason to be recorded in writing, if an extension is considered necessary, all those who have submitted their bids shall be asked to extend their respective bid validity period. Such extension shall be for not more than the period to the period of original bid validity.

5.3 Bidders who;

- a) Agree to the Competent Authority request for extension of bid validity period shall not be permitted to change the substance of their bids; and
- b) Do not agree an extension of the bid validity period shall be allowed to withdraw their bids without forfeiture of their bid securities.

6. Format and Signing of Bids

6.1 The bidder shall prepare and submit its bid and provide original documents as appropriate. Copies of any documents must be stamped and signed by the bidders.

6.2 The Bid shall be accompanied by the original receipt for the payments made for the purchase of the bidding document. In an event where the Bidder has downloaded the bidding document from the web, they will require to get the original payment receipt of the prescribed fee from the Procuring cell well before the date of submission of bid.

6.3 The original bid shall be typed or written in indelible ink and shall be signed by the bidder or a person or persons duly authorized to bind the bidder to Contract. The person or person signing the bid shall initial all pages of the bid form.

6.4 Any interlinear actions, erasures or overwriting shall valid only if they are initiated by the person or persons signing the bid.

6.5 Any tempering, illegitimate inclusion or exclusion in any part of the Standard Bidding Documents shall lead to disqualification of the bidder.

Submission Of Bids

7. Submission of Bids

The “TECHNICAL PROPOSAL” and “FINANCIAL PROPOSAL” of Laboratory chemical On Regent Basis shall be uploaded on E-PADS according to the dates mentioned in the advertisement.

8. Late Bids

Any bid if not uploaded to portal before the end time shall Not be entertained later.

9. Withdrawal of Bids

9.1 The Bidder may withdraw its bid after the bid’s submission and prior to the deadline prescribed for opening of bids.

9.2 No bid may be withdrawn in the period between deadline for submission of bids and the expiration of the period of bid validity specified. Withdrawal of a bid during this period may result in forfeiture of the Bid Security submitted by the Bidder

Opening and Evaluation of Bids

1. Opening of Bids by Procuring Agency

1.1 All bids received through E-PADS shall be opened by the Tender opening committee (Purchase Committee) publicly in the presence of the Bidders or their representatives on the date, time and venue prescribed in Advertisement.

1.2 All Bidders in attendance shall sign an attendance sheet.

1.3 The Purchaser shall open one bid at a time and read out aloud its contents which may include name of the Bidder, the presence or absence of requisite bid security CDR, and such other details as the Purchaser, at its discretion, may consider appropriate if not in conflict with Khyber Pakhtunkhwa Public Procurement of Goods, Works and Services Rule 2014 specifically Rule 37.

1.4 The Procuring cell shall have the minutes of the Bid opening (technical and when applicable financial) recorded.

1.5 No Bid shall be rejected at technical proposal/bid opening, except for late bids, Tender fee receipt & non submission of Original CDR and judicial stamp papers.

1.6 The uploaded bid without Bid Security CDR shall not be accepted. However, the Chairman of the Purchase/Procurement Committee shall record a statement giving reasons for not accepting such bid(s).

2. Clarification of Bids

During evaluation of the bids the TEC may, at its discretion, ask the bidder for a 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.

3. Examination of Technical BIDS

After opening of the bids by Purchase Committee, the bids will be forwarded to TEC FOR Technical Evaluations.

4. Examination of Financial BIDS

4.1 The firms achieved the qualified marks in technical evaluation against the quoted items so as its financial bids will be opened by Purchase Committee.

4.2 In the financial bids the 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 shall prevail, and the total price shall be corrected.
- b) If the Bidder does not accept the correction of the error, its bid shall be rejected, and its Bid Security may be forfeited.
- c) If there is a discrepancy between words and figures, the amount in words shall prevail.

d) For the purpose of comparison of bids quoted in different currencies, the price shall be converted into Pak Rupees. The rate of exchange shall be the Selling rate, prevailing on the date of opening of bids specified in the bidding documents, as notified by the State Bank of Pakistan/National Bank of Pakistan on that day.

e) A bid once opened in accordance with the prescribed procedure shall be subject to only those rules, regulations and policies that are in force at the time of issue of notice for invitation of bids.

f) The procurement cell prepared the comparative statements of the product and purchase committee approved the items

5. Announcement of Evaluation Report

The TEC may announce the results of the bid evaluation in form of a report through its website of the institution or display office notice board, giving justification for acceptance or rejection of bids at least ten days prior to the award of procurement Contract.

6. Re-Bidding

6.1 If the TEC has rejected all bids under Rule 47, it may call for a re-bidding Khyber Pakhtunkhwa Public Procurement of Goods, Works & Services Rules 2014 (Rule-48).

6.2 The TEC before invitation for re-bidding shall assess the reasons of rejection and may revise specifications, evaluation criteria or any other condition for Bidders as it may deem necessary.

Award of Contract

7. Acceptance of Bid and Award Criteria

The Bidder, whose bid is found to be most closely conforming to the Evaluation Criteria and having the lowest evaluated responsive bid, if not in conflict with any other law, rule, regulation or policy of the Government of Khyber Pakhtunkhwa, shall be awarded to the Contract within the original or extended period of bid validity.

8. Competent Authority Right to vary quantities at the time of Award

The competent Authority reserves the right at the time of the award of the Contract to increase or decrease, the quantity of goods originally specified in the Schedule of Requirements without any change in unit price or other terms or conditions

9. Notification of Award

9.1 Prior to the expiration of the period of the bid validity, the procurement cell shall notify to the successful Bidder in writing that its bid has been accepted Rule 46 in conformity with provision of Section 31 of the act in these rules.

9.2 The notification of the award shall constitute the formation of the Contract between the competent authority and the successful Bidder.

9.3 The enforcement of the Contract shall be governed by the Rule 50 of the Khyber Pakhtunkhwa Public Procurement of Goods, Works & Services Rules 2014.

10. Limitation on Negotiations

10.1 Negotiations that may be undertaken in finalization of the Contract shall not relate to the price or substance of bid specified by the Bidder but only to minor technical, contractual or logistical details.

10.2 Negotiations may relate to the following areas; (the list is being provided as guidance as only and under no circumstances be treated as exhaustive and final):

- Minor alternation to technical details, such as scope of work, the specification or drawings;
- Minor amendment to the Special Condition of Contract;
- Finalization of payment schedule and ancillary details;
- Mobilization arrangements;
- Agreement on final delivery or completion schedules to accommodate any changes required by the Procuring Agency;
- The proposed methodology or staffing;
- Inputs required from the Procuring Agency;
- Clarifying details that were not apparent or could not be finalized at the time of the bidding;
- The Bidder's tax liability in Pakistan, if a Bidder is a foreign company.

11. Negotiations shall not be used to:

- Substantially change the technical quality or details of the requirement, including the task and responsibilities of the Bidder or the performance of the goods;
- Substantially alter the terms & conditions of the Contract;
- Reduce unit rates or reimbursable costs;
- Substantially alter anything which formed a crucial or deciding factor in the evaluation of the bids or proposals;
- Alter the submitted financial bid.

12. Signing of Contract

- I. After the completion of Contract Negotiations, the Purchaser shall send the Bidder the Contract Agreement Form provided in Part-Two: Section IV of these Standard Bidding Documents, incorporating all agreements between the Parties.
- II. Within one week of the receipt of the Contract Agreement Form, the successful Bidder and the Purchaser shall sign the Contract in accordance with the legal requirements in vogue.

- III. Unless the procurement contract has already entered into force a contractor or supplier feeling aggrieved by the Order of a Purchaser accepting a bid may file an application for review.
- IV. If a successful Bidder, after completion of all codal formalities show an inability to sign the Contract then its Bid Security shall stand forfeiture and the firm may be blacklisted and de-barred from future participation, whether temporarily or permanently. In such situation the Purchaser may award the Contract to the next lowest evaluated Bidder or call for a new bid.
- V. The Contract shall become effective upon affixation of signature of the Purchaser and the selected Bidder on the contract document, shall be governed for the period of one year or till the finalization of new contract.
 - a) All Goods and related Services to be supplied under the contract that are required to be imported in Pakistan shall have their origin in eligible source countries as prescribed by the commercial polices of Federal Government Of Pakistan and all expenditures made under the contract shall be limited to such goods and services.
 - b) For purpose of this Clause “origin” means the place where the goods are produced, or the place where the related services are supplied. Goods are produced when, through manufacturing or processing.

PART - III

TECHNICAL EVALUATION PERFORMA FOR IT EQUIPMENT

PART - IV

LIST OF EQUIPMENT WITH SPECIFICATIONS **AND REQUIRED WARRANTY**

TECHNICAL EVALUATION PERFORMA FOR IT EQUIPMENT

Part-III

Mandatory	Registration Certificate for NTN, STRN.	
	Active status on ATL for NTN & STRN	
	Last 03 years Bank Statement/Bank Maintenance Certificate duly issued by the concerned bank	
	Last Year Income Tax Return	
	Affidavit on stamp paper duly attested mentioning: (a) 2% CDR attached with financial bid. (b) Firm is not black listed. (c) Non-Shareholder Certificate.	
	01 Years warranty with parts	
	Certificate of 100% compliance with purchaser specifications on company letterhead	

S/No	Parameters	Detail/Supporting Documents	Maximum Marks	Remarks
1.	Physical resources	Established office within 600 Km from purchaser	3	Details with supporting documents must be attached. (15 marks)
		List of relevant qualified/experienced employees	3	
		Official Website of the Firm	3	
		List of spare parts available for quoted items	3	
		Availability of Technical Support (24/7)	3	
2.	Past Performance of last five year	02 marks per institute, up to maximum 10 marks (only attach valid Purchase Orders reflecting financial effects of > 1 Million, in one year)	10	Institutions include Government, Semi Govt, Autonomous Bodies and renowned private entites
3.	Dealership Certification	1. Authorized Dealer: 10 2. General supplier: 05	10	

4.	Last 03-year Turnover from Tax Return	Turnover 100Mil & above : 10 Turnover below 100Mil :05	10	
8	Warranty	01 years beyond asked warranty with parts: 2 02 years beyond asked warranty with parts: 5	05	
	TOTAL MARKS		50	

In Technical Evaluation 70% (35/50) marks will be passing marks

Lowest priced among technically qualified bids will be accepted

HARDWARE ITEMS FOR ANNUAL IT TENDER 2026-2027

S.NO	NAME OF ITEM	SPECIFICATION AND WARRANTY PERIOD REQUIRED	MODEL QUOTED BY FIRM	Approx QTY	RATE Per Item
1.	Laptop 14 inch core Ultra 7	14 inch Intel® Core™ Ultra 7 Processor (12 Cores, up to 4.8 GHz Turbo Boost) , 16GB, 512 GB NVMe, WUXGA FHD 300 nits, BKLT, Carrying Case Audio & Microphone .		01	
2.	Laptop Intel Core Ultra 5	14 inch Intel® Core™ Ultra 5 Processor (12 Cores, up to 4.3 GHz Turbo Boost), 16GB, 512 GB NVMe, WUXGA FHD 300 nits, BKLT, Carrying Case, Audio & Microphone.		01	
3.	Laptop Intel® Core™ i7 14th Gen	Intel® Core™ i7 14th Generation Processor (minimum 10 cores, up to 5.0 GHz Turbo Boost or higher), with Intel® integrated graphics and support for modern productivity and AI-enabled applications. 16 GB DDR5 RAM, 512 GB M.2 PCIe NVMe SSD, minimum 14-inch Full HD (1920 × 1080) IPS display, integrated stereo speakers, integrated HD/FHD camera, Wi-Fi 6 or better, Bluetooth, USB Type-A and USB Type-C ports, HDMI or equivalent display output, AC Adapter with high-efficiency power supply, genuine OEM keyboard and touchpad. The equipment must be covered under a 3-Year Genuine Manufacturer Warranty, directly supported by the original manufacturer. Original Windows 11 Digital License.		01	
4.	Core Ultra 5 All-in-One PC (Branded)	Internationally recognized AIO OEM (HP, Dell, Lenovo, ASUS, Acer or equivalent) Intel® Core™ Ultra 5 125U Processor (12 cores, up to 4.3 GHz Turbo Boost) with Intel® Graphics and integrated AI/NPU support. 16 GB 5600MT/s DDR5 (1X16GB) SODIMM, 256 GB M.2 PCIe NVMe, High performance integrated stereo speakers, 5MP Camera ,AC Adapter: 90W Barrel Smart PFC High Efficiency External Power Supply, Minimum 23.8-inch Full HD (1920 × 1080),Realtek Wi-Fi 6, Power connector , Genuine Keyboard & Mouse, The equipment must be covered under a 3-Year Genuine Manufacturer Warranty , directly supported by the original manufacturer. Original Windows 11 Digital License.		30	
5.	Core i5 14th Gen All-in-One PC Branded	intel® Core™ i5 14th Generation Processor (minimum 10 cores, up to 4.6 GHz Turbo Boost or higher), with Intel® integrated graphics. 16 GB DDR5 RAM, 256 GB M.2 PCIe NVMe SSD , high-performance integrated stereo speakers, integrated 5MP or better camera with microphone, AC Adapter: minimum 90W high-efficiency external power supply or equivalent , minimum 23.8-inch Full HD (1920 × 1080) display ,		01	

Quantity can be increase or decrease

For 12/8/26

		Realtek or equivalent Wi-Fi 6 , Bluetooth, integrated power connector, USB Type-A/Type-C connectivity, HDMI or equivalent display output, genuine OEM keyboard and mouse. The equipment must be covered under a 3-Year Genuine Manufacturer Warranty , directly supported by the original manufacturer. Original Windows 11 Digital License .			
6.	Core i5 12th Gen All-in-One PC Branded	Intel® Core™ i5 12th Generation Processor (minimum 10 cores, up to 4.4 GHz Turbo Boost or higher), with Intel® integrated graphics. 16 GB DDR4/DDR5 RAM (depending on OEM platform, 256 GB M.2 PCIe NVMe SSD , high-performance integrated stereo speakers, integrated 5MP or better camera with microphone, AC Adapter: minimum 90W high-efficiency external power supply or equivalent , minimum 23.8-inch Full HD (1920 × 1080) display , Realtek or equivalent Wi-Fi 6 , Bluetooth, integrated power connector, USB Type-A/Type-C connectivity, HDMI or equivalent display output, genuine OEM keyboard and mouse. The equipment must be covered under a 3-Year Genuine Manufacturer Warranty , directly supported by the original manufacturer. Original Windows 11 Digital License .		10	
7.	Core i3 14 th Gen All-in-One PC (Branded)	Intel® Core™ i3 14th Generation Processor (minimum 4 cores, up to 4.7 GHz Turbo Boost or higher), with Intel® integrated graphics. 16GB DDR5 RAM, 256 GB M.2 PCIe NVMe , high-performance integrated stereo speakers, integrated 5MP or better camera with microphone, AC Adapter: minimum 90W high-efficiency external power supply or equivalent , minimum 23.8-inch Full HD (1920 × 1080) display , Realtek or equivalent Wi-Fi 6 , Bluetooth, integrated power connector, USB Type-A/Type-C connectivity, HDMI or equivalent display output, genuine OEM keyboard and mouse. The equipment must be covered under a 3-Year Genuine Manufacturer Warranty , directly supported by the original manufacturer. Original Windows 11 Digital License .		10	
8.	Core i3 12 th Gen All-in-One PC (Branded)	Internationally recognized AIO (HP, Dell, Lenovo, ASUS, Acer or equivalent) with Intel® Core™ i3 Processor 12 th gen or higher), featuring integrated Intel® UHD Graphics. The system shall be equipped with 16 GB DDR5 RAM (1 × 16 GB), expandable, 256 GB M.2 PCIe NVMe SSD, high-performance integrated stereo speakers, integrated, external high-efficiency AC power adapter, and a minimum 23.8-inch Full HD (1920 × 1080) Anti-Glare display. The system shall support Realtek Wi-Fi 6 (802.11ax) with Bluetooth 5.x or higher and include genuine keyboard and mouse. The computer shall be supplied with a Genuine Microsoft Windows 11 Professional Digital License,		40 	

		pre-installed and activated. The equipment must be brand new, unused, and covered Manufacturer Warranty.			
9.	LaserJet printer Printer (one side Print)	Type: Monochrome Laser Printer Print Speed: Up to 40 ppm (A4) Resolution: Up to 1200 × 1200 dpi Paper Capacity: 100-sheet multipurpose tray + 250-sheet tray (expandable to 900 sheets) Connectivity: USB, Ethernet Toner Yield: 3,000 pages (standard), 10,000 pages (high yield)		10	
10.	Monochrome Laser Printer	Monochrome Laser Printer, Single Function, Wired Print, Hi-Speed USB 2.0, Up to 21 PPM, 150-Sheet Input Tray, 100-Sheet Output Tray, 10,000 Page Duty Cycle, Black & White		30	
11.	LaserJet print (Duplex Printer)	Duplex Printer Black Printer Print only, Dual-band Wi-Fi Print speed letter: Up to 40 ppm (black) Auto duplex printing: 2 paper trays (standard) Best-in-class security-detect and stop attacks.		10	
12.	Thermal Printer 250mm	Internal Power Supply Throughput: Up to 250 mm/sec monochrome Printing Method: Direct Thermal Interface: USB & Ethernet (10M/100M) Printer sensor: Paper presence, Low paper, Antijam All Accessories Included		05	
13.	Thermal Printer 500mm	Power Supply: AC Adapter / Power Supply Included Throughput: Up to 500 mm/sec monochrome Printing Method: Direct Thermal Interface: Built-in USB & Ethernet (10/100Base-T/TX) Printer Sensors: Paper End, Cover Open, Low Paper Auto Cutter: Built-in, up to 3 million cuts All Accessories Included: Power supply, cables and standard accessories as applicable to the selected model.		05	
14.	Barcode Label Printer	6-button LCD (advanced model) control panel Easily adjustable sensors Print head pressure adjustment knobs Min 400-meter ribbon capacity with Flexible firmware structure, Min 203 dpi resolutions Up to 4 Gigabyte Flash memory expansion using SD Flash memory, Fast label throughput		01	
15.	Tag Printer(Assets)	Direct Thermal and Thermal Transfer printing, with 203/300 dpi resolution, print speed up to 6 ips (152 mm/sec), and maximum print width of approximately 108 mm. connectivity options USB, Serial and Ethernet. Suitable for durable, high-volume industrial labeling applications.		01	
16.	Scanner	Scan Speed: Up to 25 pages per minute (ppm) and 50 images per minute (ipm) at 300 dpi.		01	

		Scan Resolution: Hardware resolution up to 600 x 600 dpi (color and mono, ADF) and up to 1200 x 1200 dpi (color). Input Tray Capacity: Holds up to 50 sheets of 75 g/m ² paper. Dimensions: 145 mm (H) x 387 mm (W) x 460 mm (D) and weighs 5.58 kg (12.3 lb)			
17.	Scanner	Scanner Type: Sheet-fed, duplex scanner Scan Technology: CMOS Contact Image Sensor (CIS) Daily Duty Cycle: Up to 7,500 pages per day Scan Speed: Up to 65 pages per minute (ppm) Up to 130 images per minute (ipm) for duplex scanning Optical Resolution: 600 x 600 dpi Output Resolution: Up to 1200 dpi (enhanced) Automatic Document Feeder (ADF): 80-sheet capacity Supported Media Size: Minimum: 50.8 x 50.8 mm (2 x 2 in) Media Types: Plain paper, envelopes, cards, ID cards ADF Media Weight: 40 to 210 g/m ² Connectivity: USB 3.0 Support: Windows 7, 8.1, 10, 11		01	
18.	Scanner	Scanner Type: Flatbed and sheet-fed duplex Scan Technology: CCD (Charge-Coupled Device) Daily Duty Cycle: Up to 3,000 pages per day Scan Speed: Up to 50 pages per minute (ppm) Up to 100 images per minute (ipm) for duplex scanning Optical Resolution: 600 x 600 dpi Output Resolution: Up to 1200 dpi (enhanced) Document Feeder (ADF): 100-sheet capacity Supported Media Sizes: Minimum: 68 x 148 mm Media Types: Plain paper, cards, ID cards Connectivity: Hi-Speed USB 2.0 Support: Windows 7, 8, 8.1, 10, 11		01	
19.	Heavy-Duty Label Printer	Industrial thermal printer Fast 536 MHz processor Faster print speed - up to 18 ips Available in 203 dpi, 300 dpi and 600 dpi resolutions 512 MB Flash and 512 MB SDRAM memory 600-meter ribbon capacity High quality label printing		01	
20.	Projector (3,500–5,000 ANSI Lumens)	Display: Native 1024 x 786, Brightness: 3,500–5,000 ANSI, Contrast Ratio 20,000:1 or Better Lamp Light Source Lamp Life 6,000 Hours , Connectivity HDMI, VGA USB inputs, Built-in speaker, Ceiling Mount Compatible, Suitable for Offices, Classrooms, Training Rooms and Small Meeting Rooms , Power		01	

		Supply 220–240V AC • Remote Control, Power Cable and User Manual Included, Minimum 1-Year Warranty .			
21.	Projector (5,000–7,000 ANSI Lumens)	Native Full HD (1920 × 1080) Resolution (5,000–7,000 ANSI Lumens) , Brightness (suitable for conference environments) Contrast Ratio 22,000:1 Lamp Life 4,000 Hours (Normal), up to 20,000 Hours HDMI ×2 VGA Input/Output USB RJ-45 LAN Audio In/Out Built-in 10W Speaker 1.3× Optical Zoom Suitable for Conference Rooms, Seminar Halls, Board Rooms and Training Centres • Power Supply 220–240V AC • Minimum 2-Year Warranty .		01	
22.	Projector (7,000–12,000 ANSI Lumens)	Laser Phosphor Light Source FHD(1920 × 1200) Resolution (7,000–12,000 ANSI Lumens) Contrast Ratio 3,000,000:1 Laser Light Source Life Up to 30,000 Hours HDMI ×2 USB RJ-45 LAN Audio Out Built-in 10W Speaker 1.6× Optical Zoom Horizontal & Vertical Lens Shift 4-Corner Adjustment, Maintenance-Free Laser Technology Suitable for Auditoriums, Lecture Halls, Large Conference Rooms and Commercial Applications Continuous Operation Capability, Power Supply 220–240V AC Minimum 3-Year Warranty .		01	
23.	Projector Screen	Fine-quality 12 × 8 ft projector screen, suitable for widescreen projection, with high-quality matte-white projection surface, durable auto rolling mechanism, smooth and wrinkle-resistant operation, black border for enhanced image contrast, and provision for easy wall or ceiling mounting. Screen material shall provide clear, bright and uniform image reproduction with wide viewing angle and durable construction.		01	
24.	All-in-One PC Wall Mounts	Mounting Type Wall Mount, movable and adjustable Material Aluminum Maximum 32 Inches Compatible Size		01	
25.	LED Monitor for Computers 24 inches	Supported 1,920 by 1,080 pixels 24 inch led monitor FHD HDMI, DisplayPort and VGA		01	
26.	110 Inch Interactive Display	The offered item must be a 110-inch Interactive Flat Panel / Smart Interactive Display with 4K UHD resolution 3840 × 2160 , LED/DLED/LCD panel, 16:9 aspect ratio, minimum 400 nits brightness , 178° viewing angle, anti-glare tempered glass with 7H hardness , minimum 20-point multi-touch , finger and stylus writing, palm erase, built-in Android operating system, octa-core processor, minimum 4 GB RAM and 32 GB storage , built-in whiteboard and annotation software, wireless screen sharing for		01	



		Windows, Android, iOS and macOS, built-in Wi-Fi, Bluetooth, LAN, HDMI, USB, USB Type-C and Touch USB ports, built-in speakers minimum 2 × 15W , OPS slot for PC module, wall mount or mobile stand, remote control, stylus pens, power cable, HDMI cable and USB touch cable. The display must operate on 220–240V AC, 50/60 Hz , have minimum 50,000 hours display life , minimum one-year comprehensive warranty , CE/FCC/RoHS/ISO or equivalent certification, and must include complete supply, installation, testing, commissioning, and user training.			
27.	LED 4K 65 inches	The 65-inch LED Display should be of a reputed brand with a minimum screen size of 65 inches, 4K UHD resolution of 3840 × 2160 pixels, LED/D-LED/E-LED panel, 16:9 aspect ratio, minimum 60 Hz refresh rate, wide viewing angle of 178° horizontal and vertical, and suitable brightness of at least 300 nits or above. The display should support smart features such as Android TV, Google TV, WebOS, Tizen, or equivalent operating system with Wi-Fi, Bluetooth, LAN/Ethernet, screen mirroring, USB media playback, and built-in applications. It should have minimum 3 HDMI ports, 2 USB ports, built-in speakers of at least 20W output, and support HDR10 or equivalent picture enhancement technology. The LED should be wall-mount compatible with VESA standard mounting support and operate on 220–240V AC, 50/60Hz power supply.		01	
28.	LED 4K Smart 55 inch	The 55-inch LED Display should be of a reputed brand with a minimum screen size of 55 inches, 4K UHD resolution of 3840 × 2160 pixels, LED/D-LED/E-LED panel, 16:9 aspect ratio, minimum 60 Hz refresh rate, wide viewing angle of 178° horizontal and vertical, and suitable brightness of at least 300 nits or above. The display should support smart features such as Android TV, Google TV, WebOS, Tizen, or equivalent operating system with Wi-Fi, Bluetooth, LAN/Ethernet, screen mirroring, USB media playback, and built-in applications. It should have minimum 3 HDMI ports, 2 USB ports, built-in speakers of at least 20W output, and support HDR10 or equivalent picture enhancement technology. The LED should be wall-mount compatible with VESA standard mounting support and operate on 220–240V AC, 50/60Hz power supply.		01	
29.	Wall Mount for 13 to 32 inch Smart Computers (Branded)	Mounting Type Movement Type Material	Wall Mount Rotate, Swivel, Tilt, Articulating Alloy Steel	01	

		Compatible Size 13 Inches to 32 Inches Compatible Devices Smart computers & Monitors Full motion articulation & matte black finish			
30.	Mobile computer (Trolley) workstation/cart	Monitor/AIO holder Pull-out keyboard tray Mouse shelf Middle shelf for printer/equipment Lower shelf for the desktop CPU 4–5 caster wheels, preferably locking Height-adjustable monitor Steel frame Mobile/rolling design Picture for reference is attached at end		01	
31.	UPS 0.5 kVA	UPS: 0.5 kVA, minimum 300 W capacity , suitable for desktop/AIO computer and monitor, with AVR, 220–240 VAC input/output, 50 Hz, rechargeable battery, automatic charging, overload/short-circuit protection, audible alarm, and minimum 5–10 minutes backup at normal load.		05	
32.	Dual Mode Biometric Time and Attendance	Dual Mode Biometric Time and Attendance Terminal 1200 facial templates • 2000 fingerprint templates • Up to 10,000 cards • Up to 100,000 stored punches		05	
33.	Biometric Time and Attendance	Capacity Users 10,000 Face Template 10,000 Fingerprints 10,000 ID Cards 10,000 Transactions 1,000,000 Hardware High Performance Android Industrial CPU / 2GB DDR3 RAM / 16GB ROM / Z-ID Fingerprint Sensor / 7-inches Touch Screen, 1280*800 Pixel / 2NP Binocular Camera Communication TCP/ IP/USB Host / Wiegand Input / Wiegand Output Standard Functions ID Card / Work Code / ADMS/ DST / Schedule Bell / Automatic Status Switch / Record Query / Photo ID Optional Functions: 13.56MHz IC Card Additional Info Algorithms ZKFace V10.0 & ZKFinger Facial Recognition Speed ≤1s Facial Recognition Distance 0.5m~3m Biometric Verification Modes Power Supply: 5V DC or Equilent 2 hrs. minimum power backup		01	
34.	Kaspersky security center / License Vulnerability and Patch Management Add-on	Kaspersky Endpoint Security for Business Licenses: Genuine, perpetual/subscription license for protection of Microsoft Windows Server 2012, 2016, 2019, and 2022, including Standard, Datacenter, Core, and Virtual Environments Windows 10/11 workstations, including centralized management		50	

		through Kaspersky Security Center, real-time, Vulnerability and Patch Management Add-on, malware/ransomware protection, web and network protection, automatic security updates, endpoint control, reporting, and technical support for the specified license period. The solution is optimized for both physical and virtual servers to ensure continuous protection with minimal performance impact. The software includes cloud-assisted protection powered by the Kaspersky Security Network (KSN) for real-time threat detection and reputation analysis. Administrators are given fine-grained control over privileges, helping to prevent misuse or unauthorized access to system resources. The integrated notification system provides real-time alerts and status updates on threats and policy enforcement. All deployment, updates, policy management, and reporting are handled through centralized management using Kaspersky Security Center. The solution follows a per-server or per-core licensing model (as per OEM policy) and complies with enterprise IT security and audit standards. Minimum 1-year license, OEM-level support, and full compatibility with Active Directory, clustered, and multi-session environments.			
35.	Microsoft 365 Business Basic	Genuine Microsoft 365 Business Basic subscription license for one user, valid for a minimum of one year, including web and mobile versions of Word, Excel, PowerPoint, Outlook and OneNote; business email with 50 GB mailbox and custom domain support; 1 TB OneDrive cloud storage per user; Microsoft Teams for chat, collaboration, online meetings and video conferencing; SharePoint and other included Microsoft 365 cloud services		10	
36.	Biometric Door Access Control System	Biometric access control system suitable for office use, comprising fingerprint based biometric reader with optional RFID card/PIN authentication, minimum 3,000 fingerprint users and 30,000 transaction records, TCP/IP network connectivity, electric/magnetic door lock suitable for mirrored aluminium and wooden doors, door sensor, emergency/exit push button, 12V DC power supply with rechargeable backup battery,		05	
37.	Lenovo Think Centre Neo 30a All-in-One Front Screen	Lenovo Think Centre Neo 30a All-in-One, Front Screen. vibrant 21.5" FHD display		10	
38.	ASUS All-in-One Front Screen	ASUS All-in-One Front Screen. vibrant FHD display		05	

39.	Power Adapter for Lenove AIO	AC Power Adapter for Lenove AIO		10	
40.	Power Adapter for ASUS AIO	AC Power Adapter for ASUS AIO		05	
41.	2TB External SSD	Portable SSD 2TB USB 3.2 Gen 2, USB-C, 2 TB USB 3.2 Gen 2, Connector USB-C		01	
42.	16GB Server Ram DDR3 / DDR4	Max Speed: 1333MT/s (1600MT/s will clock down) Compatible with Dell Power Edge R710/R730/R740/R440/T440		01	
43.	32GB Server Ram DDR4	Max Speed: 1333MT/s (1600MT/s will clock down) Compatible with Dell Power Edge R710/R730/R740/R440/T440		05	
44.	64GB Server Ram DDR4	Max Speed: 1333MT/s (1600MT/s will clock down) Compatible with Dell Power Edge R710/R730/R740/R440/T440		05	
45.	128GB Server Ram DDR4	Max Speed: 1333MT/s (1600MT/s will clock down) Compatible with Dell Power Edge R710/R730/R740/R440/T440		05	
46.	Dell Power Edge R730 CPU	Dell Power Edge R730 Processor E5-2699 v4 2.2 GHz 22 cores		01	
47.	DELL 8TB SAS 3.5inch	DELL 8TB SAS 3.5inch 10K RPM 12Gbps		05	
48.	DELL 8TB SAS 2.5inch	DELL 8TB SAS 2.5inch 10K RPM 12Gbps		05	
49.	Win 11 Pro	Windows 11 Pro License (Digital) Automatically activated when the PC is connected to the internet, as the license is tied to the specific device. Linking the digital license to a Microsoft account enables easier reactivation in case of significant hardware changes, such as motherboard replacement. Users can perform clean installs of the same edition on the same machine, and it will activate automatically without the need for manual intervention.		10	
50.	Win 10 Pro	Windows 10 Pro License (Digital) Automatically activated when the PC is connected to the internet, as the license is tied to the specific device. Linking the digital license to a Microsoft account enables easier reactivation in case of significant hardware changes, such as motherboard replacement. Users can perform clean installs of the same edition on the same machine, and it will activate automatically without the need for manual intervention.		10	
51.	Windows Server 2022	Genuine Microsoft Windows Server 2022 Standard License. Windows Server 2022 Standard Digital License includes the following features: Next-Generation Security: Features Windows Defender Antivirus, Exploit Guard, BitLocker, and advanced threat protection for physical and virtual workloads.		10	

		Hybrid Capabilities with Azure: Seamless integration with Azure services, including Azure Arc, backup, and cloud-based identity management. Storage and File Services: Full support for file and storage services, including SMB, ReFS, Storage Spaces Direct, and Storage Migration Service. Remote Desktop Services (RDS): Secure remote access and multi-session deployments for remote users. Hyper-V Virtualization: Create and manage virtual machines for optimized resource utilization. Active Directory and Group Policy Management: Comprehensive directory services and centralized policy management across the organization. Networking Enhancements: Includes Software-Defined Networking (SDN), enhanced firewall, and network encryption features. Server Core Option: Lightweight installation for reduced attack surface and optimized performance. Windows Admin Center Integration: Centralized, browser-based management interface for monitoring and administration. Lifetime Digital License: Once activated, the license remains valid for the lifetime of the server hardware and supports automatic reactivation after hardware changes or clean installs.			
52.	External Hard Drive Rack / Enclosure	Supports 3.5-inch SATA I/II/III HDD & SSD. 8Bays • USB 3.0 interface (≈5 Gbps), backward compatible with older USB versions. • Made of aluminum alloy + plastic. • Power supply AC 100-240V, output 12V/5V 2A. • LED indicators. • Hot-swap capability.		01	
53.	AV Conferencing Cam	• 4K UHD (3840 × 2160) • Electronic Pan / Tilt / Zoom) ±15° • Pickup Range Up to 6 meters • USB 3.0 Type-C / USB 2.0 compatibility • Built-in beamforming microphone array • Built-in speaker • 121° wide-angle view • 5× zoom • Communication / Compatibility Zoom / Microsoft Teams / Google Meet / WebEx / Skype Windows / macOS / Linux / Chrome OS compatible • Electronic Pan / Tilt / Zoom) ±15° • Suitable for small to medium conference rooms		01	

54.	Computer Trolley for All-in-One System & UPS	Computer trolley should be heavy-duty, mobile and ergonomically designed for placement of an All-in-One computer system with UPS. The trolley should be made of powder-coated mild steel / stainless steel or equivalent durable material with corrosion-resistant finish. It should have a strong top shelf/platform for All-in-One PC, separate lower shelf/compartment for UPS, provision for keyboard and mouse placement, proper ventilation, cable management facility, and smooth heavy-duty caster wheels with locking brakes. The trolley should have rounded edges for safety, easy-to-clean surface, stable structure, and sufficient load-bearing capacity for computer, UPS and accessories. Equivalent or higher specifications shall be acceptable.		10	
55.	Digital Walkie-Talkie Communication System	Digital Walkie-Talkie Communication System: Supply, installation, configuration, testing and training of a complete two-way radio communication system comprising 50 Nos. handheld walkie-talkies, 01 No. DMR digital repeater/base station, centralized dispatcher/controller system with PC-based management software, and voice recording facility. Handheld radios shall be professional commercial-grade, DMR Tier-II compliant , with minimum 5 W RF output , UHF/VHF operation as approved by the authority, rechargeable Li-ion battery with minimum 10 hours operating time, clear digital audio, programmable channels/talk groups, individual and group calling, emergency alert, scanning, battery/signal indication and rugged construction with minimum IP55 protection. The system shall provide reliable communication coverage of at least 3 km under normal site conditions , with repeater, antenna and associated equipment designed and installed based on site survey. The system shall support centralized monitoring and control of all 50 radios, multiple talk groups, priority/emergency calls, user identification, call/event logging and automatic recording, storage, search and playback/export of voice communications. The DMR repeater shall be commercial-grade, continuous-duty, suitable for the required coverage area, with appropriate antenna system, duplexer, power supply and backup battery/UPS. The dispatcher/controller software shall provide PC-based monitoring, individual/group calling, channel management, emergency alerts, call history and recording management. All		01	

		frequencies shall be programmed only within the licensed/authorized frequency band allocated by the competent regulatory authority in Pakistan. The supplier shall provide all required antennas, cables, connectors, power supplies, batteries, mounting accessories, programming, licenses/software, installation, commissioning, user training and technical documentation. The system shall be supplied from a recognized manufacturer and shall include warranty and after-sales technical support. Implementation & Services Engineering & Deployment: Site survey, system design, supply, installation, configuration, testing, and formal commissioning. Documentation & Training: Comprehensive user and administrator training, along with complete technical documentation (as-built drawings, manuals, and configuration files). Support & Warranty: Manufacturer-backed warranty and reliable after-sales technical support for maintenance and troubleshooting.			
56.	Public Address System	The contractor shall design, supply, install, test and commission a complete hospital-wide Public Address (PA) and Emergency Voice Announcement System comprising one centralized rack-mount Main PA Controller/Zone Selector with minimum multi-zone and All-Call facility, built-in chime, emergency siren, USB/FM/AUX audio source and priority override function; one professional desktop paging microphone with gooseneck microphone, push-to-talk button, pre-announcement chime and zone-selection keys; two to three commercial-grade 100V Line/High-Impedance power amplifiers with a combined minimum capacity of 1000W–1500W, including short-circuit, overload and thermal protection; twenty 6W–10W 100V Line indoor ceiling speakers suitable for OPD, wards, corridors and waiting areas; ten 15W–30W IP66-rated 100V Line weatherproof horn/wall-mount speakers suitable for outdoor walkways, parking, gates and boundary areas; complete heavy-duty 2-core copper speaker cabling, conduit/casing, cable management, termination and accessories for long-distance distribution up to approximately 3 km; one minimum 2 KVA Online UPS with suitable battery backup; and all necessary racks, power distribution, mounting accessories and emergency/fire alarm dry-contact interface. The		01	

		system shall provide multi-zone paging, All-Call announcements, priority override of background audio, emergency alarm integration and automatic emergency/evacuation message capability. The 100V high-impedance line technology shall be used for efficient long-distance audio transmission, while IP-based audio distribution over the hospital LAN/fiber network may be proposed for separate blocks where required by the site conditions. The contractor shall conduct a complete site survey, prepare cable-routing and speaker-layout drawings, install and terminate all equipment and cabling, configure zones, perform audio tuning and intelligibility testing, eliminate excessive feedback/echo, test emergency and priority functions, commission the complete system, provide operational training to hospital staff, submit as-built drawings, test reports, equipment datasheets and operation manuals, and provide a minimum one-year comprehensive warranty			
57.	AIO Conferencing cam	Professional all-in-one video conferencing system suitable for Zoom/Zoom Rooms and other major video-conferencing platforms, featuring 4K UHD camera resolution at 30 fps, motorized PTZ, and AI-based human detection, automatic speaker tracking. The system shall include an AI Viewfinder, six beamforming microphones with up to 7 m (23 ft) pickup range, AI-based noise suppression, acoustic echo cancellation and voice detection, and integrated speakers comprising one 70 mm woofer and two mid-range drivers. It shall provide HDMI inputs/outputs, USB Type-A and Type-C connectivity, Gigabit Ethernet, Wi-Fi, Bluetooth remote control. The unit shall support standalone appliance mode and USB-connected operation with a computer, and shall be supplied complete with power adapter, HDMI cable, USB cable, remote control, mounting/table stand and required accessories.		01	



Computer Trolley / Cart

Jade us 12/08/26
Associate System Engineer

[Signature]
Hardware Technician

*Quantity of item
can be increase.*

HOD (IM)