



**GOVERNMENT OF PAKISTAN
ISLAMABAD HEALTHCARE REGULATORY
AUTHORITY (IHRA)**

2nd & 3rd Floor, DMLC Building (PRCS),
H-8/2, Islamabad.



Notice Inviting Tender

**Procurement of Computer Hardware / Software and Communication Equipment
for Islamabad Healthcare Regulatory Authority (IHRA) Office**

1. Islamabad Healthcare Regulatory Authority (IHRA) invites sealed proposals from bidders registered with FBR for the Sales Tax and Income Tax & must be an Active Taxpayer (verifiable through ATL).
2. A Single Stage, Two Envelopes procedure shall be adopted as per Rule 36 (b) of the Public Procurement Rules, 2004.
3. Bid Security equivalent to five percent (05%) of total quoted price, in the shape of a CDR/Demand Draft/Pay Order in the name of 'Islamabad Healthcare Regulatory Authority (IHRA)', as per Rule 25 of the Rules shall be provided in a separate envelope along with the financial proposal for each applying lot.
4. Bids/proposal shall be valid for period of 90 days.
5. A complete set of Bidding Documents can be downloaded by interested bidders from ISLAMABAD HEALTHCARE REGULATORY AUTHORITY (IHRA) & PPRA websites (<http://www.ihra.gov.pk>) & (<http://www.ppra.org.pk/>). Submission of bids through EPAD is a mandatory requirement.
6. Last date for submission of the proposal will be **19-May-2025** at 2:00 PM and will be opened on the same day at 2:30 PM in the presence of bidders and/or their authorized representatives in the office of undersigned.

Islamabad Healthcare Regulatory Authority (IHRA)

2nd & 3rd Floor, IHRA, PRCS Building,
Sufi Tabassum Road, H-8

Islamabad.

Tel: 051-9199-999

Email: procurement@ihra.gov.pk

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Procuring Agency

Islamabad Healthcare Regulatory Authority (IHRA).

2nd & 3rd Floor, IHRA, PRCS

Building, Sufi Tabassum Road, H-8

Islamabad.

Tel: 051-9199-902

Email: procurement@ihra.gov.pk



Islamabad Healthcare Regulatory Authority (IHRA)
2nd & 3rd Floor, DMLC Building (PRCS) Sufi Tabassum Road, H-8/2
Islamabad

Bidding Document

For

**Procurement of Computer Hardware / Software and Communication Equipment for
IHRA Office**

Issued at Islamabad

IHRA Islamabad Pakistan	Tel: 051-9199-902 URL: www.ihra.gov.pk
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1. INTRODUCTION

The Islamabad Healthcare Regulatory Authority (IHRA), an autonomous health regulatory body was enacted under the Islamabad Health Regulation Act, of 2018, and started its functions in March 2020. IHRA aims to improve the quality, efficiency, and safety of healthcare services delivery by adopting evidence-based regulatory standards for the registration and licensing of healthcare establishments, health professionals & equipment, and developing and enforcing minimum standards of safety for patients, healthcare professionals, and other staff in healthcare establishments (both in public and private) in the Islamabad Capital Territory. To achieve the objectives of the Authority, the IHRA has gradually expanded its functions, formulated its policies and Standard Operating Procedures (SOPs), and hired its staff.

IHRA invites sealed bids / proposals from capable Sole Proprietors / Firms / Companies, which are registered with FBR for Sales tax and Income Tax purposes and are on Active Taxpayer List (ATL), for provision of following hardware & software.

Summary of Lots:

#	Lot Description	Qty	Hardware / Software
1	Lot -1	4	Laptops
2	Lot - 2	10	Desktop Computers
3	Lot – 3	61	Computer Hardware (Mouse & Keyboard = 15 + 15 Mouse Pad = 15 USB = 10 Printer = 3 Scanner (Heavy Duty) = 1 Portable SSD/ Hard Drive = 2)
4	Lot – 4	2	MFP Printer
5	Lot – 5	3	Body Worn Camera
6	Lot – 6	1	Turnkey Audio/Video System
7	Lot – 7	1	<i>Sangfor Firewall (Next gen Firewall)</i>
8	Lot - 8	5	Access Point

2. BIDDING PROCESS

- An open, competitive, and transparent bidding process in accordance with Public Procurement Regulatory Authority (PPRA) Ordinance, 2002, Rules, Regulations and Guidelines made thereunder shall be adopted.
- A Single Stage, Two Envelopes procedure shall be adopted as per Rule 36 (b) of the Public Procurement Rules, 2004 (Hereinafter referred to as “Rules”).
- The bid/proposal to be submitted, shall comprise of a single package containing two separate envelopes. Each envelope shall contain separately the technical proposal and the financial proposal.
- The envelopes shall be sealed separately and marked as “FINANCIAL PROPOSAL” and “TECHNICAL PROPOSAL” as appropriate in bold and legible letters.
- Initially, only the envelope marked “TECHNICAL PROPOSAL” shall be opened;

- f. The sealed envelope marked as “FINANCIAL PROPOSAL” shall be retained in custody of ISLAMABAD HEALTHCARE REGULATORY AUTHORITY (IHRA) without being opened.
- g. IHRA shall evaluate the submitted technical proposals in accordance with eligibility and evaluation criteria of this document without reference to the price.
- h. After evaluation and approval of the technical proposals, the financial proposals of the technically qualified bidders will be opened at a time, date and venue announced and communicated to bidders in advance.
- i. Bid Security equivalent to five percent (05%) of total quoted price, in the shape of a CDR/Demand Draft/Pay Order in the name of ‘ISLAMABAD HEALTHCARE REGULATORY AUTHORITY’, as per Rule 25 of the Rules shall be provided in a separate envelope along with the financial proposal. An undertaking in this regard must be attached with technical proposal that five percent (05%) bid security is attached with financial Proposal.
- j. No financial instrument for bid security or mode of payment for bidding documents shall be acceptable other than specified in clause (i).

3. ELIGIBILITY CRITERIA

Bidders must give compliance to the below mentioned clauses as these are mandatory for being eligible for the bidding process.

- a. The Bidder can be a Sole Proprietor, Firm (AOP), a Company or a Consortium (in case of consortium agreement among all partners is required).
- b. In case of a consortium, where local and foreign partners are involved, only local Sole Proprietor / Firm / Company can be the consortium leader and incase where all partners are local, the partner who shall submit the bid will be identified as the consortium leader and combined experience of all partners shall be considered. The consortium leader shall also enter into all contracts on behalf of consortium and shall otherwise be responsible for consortium performance. All members of the consortium shall be jointly and individually liable to IHRA in respect of the performance of the ISLAMABAD HEALTHCARE REGULATORY AUTHORITY (IHRA)’s Tender.
- c. **For Goods only:** The vendor will ensure that the equipment is acquired from the Original Equipment Manufacturer (OEM) and is procured through proper channel as advised by the OEM.
- d. The equipment must be offered with required warranty, explicitly mentioned in ToR for each product offered.
- e. Bidder must be registered with FBR for Income and Sales tax and must be on Active Taxpayers List (ATL) of FBR for Income tax and sales tax purposes (if required) as on the date of bid submission and onward throughout the project tenure in compliance of the Eligible Bidders (Tax Compliance) Regulations, 2015. Only registered bidders who are on Active Taxpayers List (ATL) of FBR shall be eligible to participate.
- f. Bidders shall submit Copy of following registration documents with relevant authorities;

In case of Company	1. Incorporation certificate from Security and Exchange Commission of Pakistan (SECP).
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	2. Valid NTN Number & STRN details (verifiable through FBR portal).
In case of Firm	1. Form-C issued by registrar of Firms 2. Valid NTN Number & STRN details (verifiable through FBR portal).
In case of sole proprietor	1. Valid NTN and STRN details (verifiable through FBR portal).

- g. The Bidder shall provide an undertaking on letter head that the Bidder has not been declared blacklisted by any Government/Semi-Government institutions.
- h. The Bidder shall provide an undertaking with technical proposal that bid security equivalent to five percent (05%) of total quoted amount is attached with financial proposal.
- i. Bid security of the Bidder shall be forfeited in case it is determined that the Bidder, directly or through an agent, participated or competed in this tender or secured the contract, by any means of corrupt, fraudulent, collusive or coercive practices as defined under clause 4(r) of this bid document.
- j. Islamabad Healthcare Regulatory Authority (IHRA) shall not entertain incomplete or partial bids.
- k. Only OEM or its Authorized Distributors/Dealers/Partners may participate in the tender. (General order suppliers will not be entertained).

4. INSTRUCTIONS /GENERAL CONDITIONS

- a. The bidder will be selected after an open, competitive and transparent bidding process in view of Rule 20 of the Rules.
- b. Proposals shall be submitted in English/Urdu language as per Rule 6 of the Rules.
- c. All prices mentioned in the Financial Proposal shall be in Pak Rupees (PKR).
- d. Each page of the Technical and Financial Proposal shall be signed by an authorized representative of the Bidder. The representative's authorization shall be confirmed by letter of authorization on official letter head accompanying the proposal.
- e. For clarification on any item of this BIDDING DOCUMENT, the bidder may send a written request, up till five (05) days before the proposal submission date.
- f. All clarifications will be communicated to the registered Bidders through e-mail.

- g. IHRA may reject all bids or proposals at any time prior to the acceptance of a bid or proposal.
- h. IHRA may increase or decrease quantities of items as and when it may deem fit provided that the total value of contract must not be decreased or increased by (15%).
- i. The bidders shall bear all costs associated with the preparation and submission of their respective bids and ISLAMABAD HEALTHCARE REGULATORY AUTHORITY (IHRA) will, in no case, be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
- j. The equipment shall be supplied in packed form and shall only be opened in the presence of the ISLAMABAD HEALTHCARE REGULATORY AUTHORITY (IHRA) Officials or ISLAMABAD HEALTHCARE REGULATORY AUTHORITY (IHRA) designated representative. Working manuals and other related literature shall accompany the equipment in original at the time of delivery.
- k. All the equipment to be supplied by the successful bidder must be brand new from the latest product line. The latest software version must be supplied.
- l. In case of non-conformity of the supplied Goods with the desired specifications, the item(s) shall be replaced by the Bidder free of cost. No additional time shall be permitted by IHRA or cost will be charged by Bidder and any delay shall result in imposition of Liquidated Damages as calculated under clause 4 (n) of this document.
- m. The work is to be completed and executed within the period of **two (2) weeks** from the date of signing the contract. However, the said period may be extended at the sole discretion of IHRA if the circumstances require the same.
- n. Failure of the bidder to deliver equipment / software within **two (02) weeks** shall entitle IHRA to deduct from the Contract Price, the Liquidated Damages as per the following:
 - (i) In case the bidder fails to deliver any part or portion of any particular lot or lots within two (02) weeks, then Liquidated Damages at the rate of [0.15%] of the total price of such lot or lots, per day for each day delayed beyond the actual date of delivery, shall be imposed on the bidder. Provided that the bidder's maximum liability in respect of payment of Liquidated Damages under this clause shall not in any case be an amount more than ten [10%] percent of the total price of such lot or lots, the part or portion of which has been delayed.
 - (ii) In case full delivery delay exceeds two **(02) weeks** beyond the **two (02) weeks** specified for delivery, IHRA may terminate the contract after deduction of the Liquidated Damages and shall be entitled to en-cash the Performance Guarantee.
- o. Bidders are under obligation to read and understand complete information package/bid documents, IHRA shall not be responsible towards the Bidders for any of their claim or complaint which may arise as a result of misinterpretation the bid documents/information package by Bidders.
- p. IHRA is the originator of information package/bidding documents, any clarification or interpretation communicated by ISLAMABAD HEALTHCARE REGULATORY AUTHORITY (IHRA), whether in response of a query or otherwise, shall be deemed final, conclusive and will remain unquestioned.

- q. Successful bidder will be issued Letter of Intent (LoI) and he shall be required to submit Letter of Acceptance (LoA). Upon submission of LoA by the Successful bidder a formal contract will be signed failing which IHRA may offer LOI to the next lowest bidder and proceed accordingly.
- r. IHRA requires that Applicants, Bidders, Suppliers, Contractors, and Consultants under its contracts, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy, the IHRA:
 - I. Defines, for the purposes of this provision, the terms set forth below as follows:
 - II. “Goods/Equipment” means hardware / software with warranty.
 - III. “Corrupt practice” is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party.
 - IV. “Fraudulent practice” is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation.
 - V. “Collusive practice” is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party.
 - VI. “Coercive practice” is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party.
 - VII. “Obstructive practice” is deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede ISLAMABAD HEALTHCARE REGULATORY AUTHORITY (IHRA) investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation.
- s. IHRA will reject a proposal for award if it determines that the Applicant recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the contract in question.
- t. In the event that there is more than one qualified bidder i.e. they have quoted equal prices in financial bid, the tied qualified bidders shall be notified by IHRA and they will submit revised financial proposals in compliance with the BIDDING DOCUMENT. The revised bid amount must be either equal to the original submitted bid or less than previous bid amount. The revised financial proposal shall be submitted in a sealed envelope.

5. BID SECURITY / PERFORMANCE GUARANTEE

- a. A bid security equivalent to five percent (05%) of total quoted price in the form of a CDR/Pay Order/Demand Draft, in the name of ‘ISLAMABAD HEALTHCARE REGULATORY AUTHORITY’, must be attached **in a separate envelope**, with the **financial proposal** otherwise the unopened proposals shall be returned, and bid will be rejected.
- b. Submission of bid security in a form other than that specified in clause 5(a) shall not be entertained and accepted. ISLAMABAD HEALTHCARE REGULATORY AUTHORITY (IHRA) shall return such bids unopened to respective bidders.

- c. Bid Security of Bidders who do not technically qualify shall be returned unopened after result announcement of technical evaluation report.
- d. Bid Security of technically responsive (qualified) Bidders will be released after **ten (10) days** of the signing of the contract with the successful Bidder.
- e. Performance Guarantee (PG) equivalent to **[10%]** of the signed contract value in shape of Bank Guarantee will be submitted by the successful Bidder.
- f. Performance Guarantee submitted by successful bidder will be valid for a period of fourteen months **(14)** *[term of contract] [two (2) months delivery time + One (1) year warranty period]* or for any other extended period, in case of delay in delivery.
- g. Performance Guarantee(s) will be released upon successful completion of warranty period obligations/term of contract, subject to the issuance of final acceptance certificate by the IT department of IHRA.

6. TECHNICAL PROPOSAL:

The Technical proposal shall be clearly marked with the following: -

“TECHNICAL PROPOSAL”

The technical proposal shall include;

- a. A covering letter from the head of the company or an authorized representative of the applicant entailing the objectives and the executive summary.
- b. A technical proposal covering all aspect of BIDDING DOCUMENT and ToR.
- c. The following documents will be provided as part of the technical proposal:
 - i. Brief description of the Sole Proprietor / Firm / Company
 - ii. All documents mentioned in this bidding document shall be attached with technical proposal
- d. Compliance against each clause and sub-clause of BIDDING DOCUMENT and ToR must be attached by signing & stamping each page of BIDDING DOCUMENT & ToRs.
- e. Additional Information (If Any)

7. FINANCIAL PROPOSAL

The bidder shall submit Financial Proposals in separate sealed envelope. Envelop shall be clearly marked with the following: -

“FINANCIAL PROPOSAL “Do Not Open with the Technical Proposal”

The Financial Proposal shall include the following;

- a. A lump sum cost along-with complete item wise cost breakup inclusive of all applicable taxes.
- b. The bidders can offer bid for a single lot, or lots separately as mentioned in the ToRs.
- c. Separate quotes against each specified item in each lot shall be required as mentioned in the ToR. Multiple quotes against a single lot will be rejected. Rejection in a single lot, however, will not lead to rejection in other lots.
- d. The Financial Proposal shall include the following;

Lot no	Description	Unit Price in PKR	Quantity	Total Sales Tax	Total Price including taxes

- e. All prices shall be in Pak Rupees and DDP as defined in Incoterms 2020 as amended from time to time. Any exchange rates fluctuations shall be the responsibility of the bidder and IHRA shall not give any price escalation.
- f. **Bid Validity:** The proposal must remain valid for a period of **90 days** after the submission date.
- g. All payments will be subject to the active taxpayer status of the bidder at the time of release of payment. If bidder's status is not active in ATL (Sales Tax); the payments will be stopped till their status becomes active on ATL (Sales Tax) of FBR.
- h. Taxes will be deducted at the time of the payment as per government rules and regulations.
- i. Bidder shall mention the amount in financial proposal/Quotations, which shall be inclusive of all applicable taxes, levies, duties and fees as per prevailing laws. Any increase or decrease in rate of sales tax (only) applicable at the time of payment, shall be further added or adjusted, as the case may be, in total contract price.

8. SUBMISSION, OPENING AND RECEIPT OF PROPOSALS

- a. The original proposal (Technical and Financial Proposal) shall be prepared without any interlineations or overwriting.
- b. Two printed copies for each Technical and Financial proposal shall be submitted in separate envelopes along with one soft copy in USB. Each Technical and Financial Proposal shall be marked "ORIGINAL" and/or "COPY" as appropriate.
- c. The envelopes shall be marked separately as "Technical Proposal" and the "Financial Proposal" in bold and legible letters to avoid confusion.
- d. Technical and Financial proposals must be delivered at the address given below on or before **2:00 PM (PST), 19-MAY-25**

Procuring Agency**Islamabad Healthcare Regulatory Authority (IHRA).**

2nd & 3rd Floor, IHRA, PRCS Building, Sufi Tabassum Road, H-8 Islamabad.

Tel: 051-9199-902

Email: procurement@ihra.gov.pk

- e. Technical Proposals shall be opened the same day **i.e. 2:30 AM (PST), 19-May-25** in presence of all the applicants who choose to be present.
- f. The evaluation of Technical Proposals will be carried out first as per the evaluation criteria given in **section-09**. The financial proposals of the bidders who do not technically qualify will be returned unopened.
- g. Financial proposals of the technically qualified applicants will be opened publicly, for which the time and date will be communicated to the qualified applicants later on.

9. EVALUATION CRITERIA

- a. IHRA will evaluate the proposals based on their compliance and responsiveness to the BIDDING DOCUMENT, ToR, evaluation criteria, and the point system as specified below.
- b. A proposal shall be rejected during technical evaluation if it does not comply with the BIDDING DOCUMENT and ToR or if it fails to achieve the minimum score as indicated in Table I below:

Evaluation Criteria Table I

S/N	Skills & Experience	Weight
1	Experience of Sole Proprietor / Firm / Company >5 =6 years 12 Marks >6 =7 years 14 Marks >7 =8 years 16 Marks >8 =9 years 18 Marks >10 years 20 Marks	20
2	Nature of Sole Proprietor/ Firm / Company Private Ltd 15 Marks Firm (AoP) 10 Marks Individual 05 Marks	15
3	Replacement time for faulty equipment/parts under warranty (Letter has to be provided with technical proposal) 1-2 working days (20 Marks) 3-4 working days (15 Marks) 5-6 working days (10 Marks) 7-8 working days (05 Marks) > 8 working days (0 Marks)	20

11. PAYMENT TERMS

The payment for the subject procurement will be made as per the following plan: -

MILESTONE	PAYMENT TRIGGER	Payment Due	Remaining Payment
Delivery & Acceptance of Equipment	GIRN (Goods Inspection & Receipt issuance upon completion & acceptance of delivery)	100%	0%
Completion of Yearly Warranty Period/Contract period	Performance Guarantee will be released upon successful discharge of warranty period.	100% of the Performance Guarantee shall be released	0%

12. Scope of Work / ToRs

Islamabad Healthcare Regulatory Authority (IHRA) invites proposals from Sole Proprietor / Companies / Firms having legal presence in Pakistan for provision of specialized Hardware and Software.

1- The scope of work includes;

- Delivery of Hardware / Software.
- Installation of Hardware / Software.
- Complete Installation and configuration of Wireless Controller & Access Points with existing Network Infrastructure.
- Documentation of processes of installation for software's.
- Testing of all equipment installed with their respective software and tools.
- Principal OEM supplier must have 24 X 7 technical repair, replacement & support in the country.

2- Warranties:

Bidders shall provide complete details of hardware and services warranties for each laptop quoted.

Hardware Warranty:

- 1 Years standard on-site warranty with parts and services is required.
- 1 Year hardware warranty with parts and services is required along with licensing.
- The bidder must provide Hardware Maintenance Service for the Hardware throughout the Hardware Warranty Period. All charges and costs associated with providing the Hardware Maintenance Services during the said period are included in the price of the Hardware.
- If during installation of the hardware any supplied hardware is found defective or gets damaged, the same shall be replaced by the Bidder free of cost.

- e. If during the period of warranty any component of the supplied hardware is found defective, or fails in test or in operation, the same shall be replaced by the Bidder free of cost.

Software Warranty:

- a. Bidder warrants that the Software will perform in accordance with the Documentation.
- b. Software licenses will be provided by the bidder and licenses should be verified by the principle.

3- TECHNICAL SPECIFICATIONS

Lot # 1: Specifications of Laptop
Required Quantity = 4

No.	Devices	SPECIFICATIONS	Qty
1	Laptop	Intel Core – i7, 12 th Generation (or Higher) RAM – 1x16 GB DDR4 (2666 Mhz or higher) upto 32GB supported, SSD Drive = 1x 2TB Built-in 1 Gbps LAN Card. Graphic Card: 2 GB or 4 GB Screen Size: 15.5 inches Operating System: Windows 11 Pro or later Ports: USB Type-C, USB 3.0, HDMI, etc. Battery Life: Min 8 hours Additional Requirements: e.g., Webcam, Backlit Keyboard Warranty: 01 Year (International)	1
2	Laptop	Intel Core – i7, 11 th Generation (or Higher) RAM – 1x 8 GB DDR4 (2666 Mhz or higher) upto 32GB supported, SSD Drive = 1x 1TB Built-in 1 Gbps LAN Card. Screen Size: 15.5 inches Operating System: Windows 11 Pro or later. Ports: USB Type-C, USB 3.0, HDMI, etc. Battery Life: Min 6 hours Additional Requirements: e.g., Webcam, Backlit Keyboard Warranty : 01 Year (International)	3

Lot # 2: Specifications of Desktop Computers
Required Quantity = 10

No.	Devices	SPECIFICATIONS	Qty
1	Desktop Computers (Tower Casing)	Intel Core – i7, 11 th Generation (or Higher) RAM – 1x8 GB DDR4 (2666 Mhz or higher) upto 32GB supported, SSD Drive = 1x 512 GB Built-in 1 Gbps LAN Card. Operating System: Windows 11 Pro or later. Warranty : 01 Year (International) LEDs: LED Display: (20/21'') or higher Availability of same display ports on CPU and LED Keyboard, Mouse of same brand with standard accessories.	10

Lot # 3: Specifications of Computer Hardware
 Required Quantity = 61

No.	Devices	SPECIFICATIONS	Qty
1	Mouse & Keyboard	Mouse & Keyboard 10x Mouse USB Original 10x Keyboard USB Original 5x Wireless Mouse M535 5x Wireless Key Board Mouse K600 15x Mouse Pad (Good Quality)	15 + 15 15
2	Printer	Laser Printer B/W, Network Printer Ipv4, Processor : 1.2 GHz, RAM: 512 MB, Speed upto 42 ppm, Resolution: 1200 dpi, Automatic Duplexing, AirPrint Enabled, Google Cloud Print - Warranty : 01 Year (International)	3
3	Scanner Heavy Duty	Resolution: 1200 x 2400 DPI (Optical) Dmax: 3.2 Scan Speed: 65 ppm / 130 ipm (Color and BW) Color Depth: 48-bit Connectivity: USB 3.0, Wi-Fi Paper Handling: 80-sheet Automatic Document Feeder (ADF) with single pass two sided scanning Supported Media Size: A4 (8.5" x 11") Software: Includes ABBYY FineReader for OCR Duty Cycle: 7,500 pages per day	1
4	Portable SSD / Hard drive	Portable SSD / Hard drive 1x 4TB SSD Portable 1x 2TB SSD Portable	2
5	USB's	5x USB 64 GB Metal Body (V3.0) 5x USB 128 GB Metal Body (V3.0)	10

Lot # 4: Specifications of MFP Printer
 Required Quantity = 2

No.	Devices	SPECIFICATIONS	Qty
1	Printer MFP	Printer MFP Laser Printer B/W, Network Printer Ipv4, Processor	2

		Multifunctional Machine, include fax Automatic Duplexing, AirPrint Enabled, Google Cloud Warranty : 01 Year (International)	
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Lot # 5: Specifications of Body Worn Camera
Required Quantity = 3

No.	Devices	SPECIFICATIONS	Qty
1	Body Worn Camera	Day/Night Switch IR cut filter with auto switch (You can see human face within 3 m at night.) Material TFT Indicator Charging indicator; Working indicator Resolution 320 × 240 Digital Zoom × 4 White Balance AWB Screen Size 2.0 inch Operating System Linux White Light Supported SIM Card Slot 1 (Nano-SIM) Dial-up FDD -LTE B1;FDD -LTE B3;FDD -LTE B8;WCDMA B1;WCDMA B8;GSM 900;GSM 1800;FDD -LTE B7;FDD -LTE B20 Wi-Fi Protocol 802.11b;802.11g;802.11n Positioning GPS;Beidou Laser Positioning Supported Sensor Type 1/3" CMOS Horizontal FOV 125° Main Stream Resolution 1920 × 1080;1280 × 720;720 × 576 Sub-Stream Resolution 1280 × 720;720 × 576 Main Stream Frame Rate 25 fps Sub-Stream Frame Rate 5 fps, 15 fps, 25 fps Record Resolution 720 × 576,1280 × 720,1920 × 1080 Image Resolution 5M;16M;30M;40M Image Format JPEG Wi-Fi Working Mode STATION Wi-Fi Frequency Range 2.412 to 2.472 GHz Package Weight 496 g (1.1 lb.) Drop Protection Performance Drop it twice for each side (6 sides in total) from the height of 2 m on the cement ground. Power Supply Mode Battery power supply IR Supported Embedded Storage Capacity Max. 256 GB Charging Interface Type-C Dismountable Battery Not supported Battery Life for Record Recordable not less than 11 hours in 1080p resolution Lens Focal Length 2.4 mm Lens Aperture F2.2 Vibration Not supported Product Weight 159.5 g (0.4 lb.) Product Dimension 82.6 × 58 × 29 mm (3.3 × 2.3 × 1.1 inch) External Interface USB 2.0	3

Lot # 6: Specifications of Turnkey Audio/Video System
Required Quantity = 1

No.	Devices	SPECIFICATIONS	Qty
1	Turnkey Audio/ Video Conference System	<p>Turnkey Audio/ Video Conference System</p> <p>Wired Conference Microphone System Technical Features Audio input RCA * 2 , 6.3mm * 1, XLR * 1, Audio output RCA * 2 , XLR * 1, Frequency response: 20-20Khz, SNR 102 Db, Dynamic range 106dB, Connector: Big 8 Pin DIN</p> <p>Camera</p> <ul style="list-style-type: none"> • Effective Pixels: 2.0MP or Higher, 16:9 • Resolution: 1920x1080 • View Angle: 68.8° Equal or Higher • Optical Zoom: 10x or Higher • Video Output Port: USB 2.0 (Type A), • Control Port: RS-232Wall. <p>Wired Mic (Table Mic)</p> <p>11x Polar pattern (e.g., cardioid) htd38, frequency response (e.g., 50Hz - 15kHz), sensitivity (e.g., -53dBV/Pa), impedance (e.g., 600 ohms), and output type (e.g., 6.35mm audio out).</p> <p>Speakers:</p> <p>2 units. 30 watts, Input 70V/100V/4-16Ω, Wide Freq.Resp.:80Hz-20KHz, Max SPL:104±2d B, High sensitivity:90±2dB, Wall mount type loudspeaker</p> <p>Audio Mixer Amplifier</p> <p>16 Channel Mixer amplifier for paging and background music system • Rated power from 120W or Higher • Mic 12 - 14, Aux 1-2 and master volume controls and bass/treble tone control. • Short circuit, overload and high temp protection.</p>	1

Lot # 7: Specifications of Sangfor Firewall (Next gen Firewall)
Required Quantity = 1

No.	Devices	SPECIFICATIONS	Qty
1	Firewall	<p>Sangfor Firewall (Next Generation Firewall)</p> <ul style="list-style-type: none"> • Must Be Listed in Gartner Magic Quadrant for Next Generation Firewall • Must Be Listed in ICSA Labs Certified Next Generation Firewall • Must Be Listed in Cyber Ratings for Enterprise Firewall • Must have full features working even license is expired • Must Have Minimum Firewall 20 Gbps Throughput • Must have 12Gbps Application Control Throughput • Must Have Minimum NGFW 3 Gbps Throughput (FW+SA+IPS) • Must Have Minimum 1.5 Gbps Threat Protection Throughput (FW + SA +BM+ IPS + Antivirus) • Must Have Unrestricted Concurrent User • Must have 2,000,000 concurrent session • Must Have Minimum 1000 IPsec VPN • Must Have Minimum 128GB Storage Capacity • Must Have Minimum 8GB RAM • Must Have Minimum 8 x 1G Ethernet Interfaces • Must Have Minimum 2 x 10G SFP+ Interfaces 	1

		<ul style="list-style-type: none"> • Must Include Intrusion Prevention System (IPS), Anti-Virus & Anti-Malware, Email Security Protection, Cloud-Based Security Sandbox, Web Filtering, Anti-Brute force attack Application Control, Bandwidth Management • Must Support Real-Time Vulnerability Scanner • Built-in SOC Lite monitor for visibility • Must Quote 3 Year Complete Security Features License • Must Quote 3 Year Software Upgrade & 24x7 Technical Support • Must Quote 3 Year Hardware Warranty Service <p>Must Quote OEM Onsite Configuration & Installation</p>	
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Lot # 8: Specifications of Access Point
Required Quantity = 5

No.	Devices	SPECIFICATIONS	Qty
1	Access Point	<ul style="list-style-type: none"> • Wi-Fi Standard: Wi-Fi 6 (802.11ax) • Antennas: 2x2 MIMO • Capacity: Supports higher client density with up to 512 clients. • PoE: 802.3at PoE+ • Cloud/Local Management: Cloud Centralized Mangement <p>Console Port & Cable for Configuration (Mandatory)</p>	5

