



## SECURITIES AND EXCHANGE COMMISSION OF PAKISTAN

**T# 14/20-21**

### Invitation to Bid

The Securities and Exchange Commission of Pakistan invites sealed bids from the authorized services providers/principal's authorized dealers/distributors/partners/resellers based in Pakistan and registered with Federal Board of Revenue/Respective Revenue Boards for Income Tax and Sales Tax and who are on Active Taxpayers List (Income and Sales tax) of the Federal Board of Revenue/Relevant Tax Authority for following requirements

S. No.	Requirements	Tender Ref No.	Bid Submission and Opening Date
1.	Purchase of Microsoft Windows 10 Professional Licenses	T# 14 (i)/20-21	<b>January 19, 2021</b>
2.	Supply, installation, and configuration of a comprehensive Database Security Solution	T# 14 (ii)/ 20-21	
3.	Supply, installation, configuration of Identity and Access Management (IAM) solution	T# 14 (iii)/ 20-21	
4.	Supply of RAM for Dell Poweredge (PE) Servers	T# 14 (iv)/20-21	
5.	Supply and Installation of UPS	T# 14 (v)/20-21	

S. No.	Requirements	Tender Ref No.	Bid Submission and Opening Date
1.	Supply, installation, configuration of a central entry level storage system for SECP Karachi Office.	T# 14 (vi)/20-21	<b>January 20, 2021</b>
2.	Supply and Installation of Air Conditioners	T# 14 (vii)/20-21	
3.	Supply and Installation of IP Surveillance Camera solution for SECP Head Office Islamabad	T# 14(viii)/20-21	
4.	Supply and Installation Of Video Conferencing Equipment	T# 14 (ix)/ 20-21	
5.	Purchase of Quest Toad DBA Suite for IBM DB2 LUW (for Windows)	T# 14 (x)/ 20-21	

Bidders can submit their bid against any of the above listed item. Bidding documents containing detailed terms and conditions, method of procurement, procedure for submission of bids, bid bond/security, bid validity, opening of bid, evaluation criteria, clarification/rejection of bids etc. against above requirement are available for the interested bidders from the undersigned free of cost and can also be downloaded from <https://www.secp.gov.pk/procurement/>

The bids prepared in accordance with the instructions in the bidding document, must reach undersigned on or before 1100Hrs of mentioned date with respect to each requirement and will be opened on the same day/date at 1130Hrs.

In case of any query, Admin Department may be contacted on Telephone No. 051-9207091-4 (Ext-437/302) during office hours (Monday to Friday excluding Public Holidays)

Mr. Arshad Kamal, Additional Director (Admin)  
NICL Building, 63 Jinnah Avenue, Blue Area Islamabad

## Terms and Conditions for Bids and Bidders

1. **Tender Identification Number: TENDER # 14(viii)/20-21**

2. **The Procurement Agency is:**

**Securities and Exchange Commission of Pakistan**  
4th Floor, NICL Building, 63 Jinnah Avenue, Blue Area,  
Islamabad.

3. The Securities and Exchange Commission of Pakistan invites sealed bids from the principal's authorized dealers/distributors/partners/resellers based in Pakistan and registered with Federal Board of Revenue/Respective Revenue Boards for Income Tax and Sales Tax and who are on Active Taxpayers List (Income and Sales tax) of the Federal Board of Revenue/Relevant Tax Authority for

### **SUPPLY AND INSTALLTION OF IP SURVEILLANCE CAMERA SOLUTION FOR SECP HEAD OFFICE**

through

#### **SINGLE STAGE TWO ENVELOP METHOD.**

4. Bids shall comprise a single package containing TWO separate envelopes. Each envelope shall contain separately the financial Bid and the technical Bid. The envelopes shall be clearly marked as **"FINANCIAL BID"** and **"TECHNICAL BID"** in bold and legible letters.
5. The Bid Bond to be enclosed sealed and labelled as **"BID BOND"**, and should be with the Technical bid envelop.
6. **BID Bond should not be placed within the envelope of financial bid/proposal.**
7. Initially, only the envelope marked **"TECHNICAL BID"** shall be opened publicly. The envelope marked as **"FINANCIAL BID"** and **Bid Bond** shall be retained.
8. After the evaluation and approval of the technical bid, financial bids of the technically accepted bids only will be opened at a time, date and venue announced and communicated to the bidders in advance. Financial bids of technically unsuccessful bidders will be returned.
9. The amount of the bid and bid bond/security shall be in Pak rupees. The bids should be accompanied by bid bond/security (refundable) for an amount equal to 2% of the total quoted price (inclusive GST, if applicable) in shape of either pay order or demand draft in favor of Securities and Exchange Commission of Pakistan.
10. Bids not accompanied by bid bond/security or with less amount of bid bond/security will be rejected.
11. In case any bidder submits more than one option against this invitation then bid bond/security shall be submitted against highest quoted option.
12. Only registered service providers who are on Active Taxpayers List (Income and Sales Tax) of FBR are eligible to provide services to the Commission. **Bids of all those bidders who are In-Active on ATL on the date of bid opening shall be rejected.**
13. If any supplier is not in ATL at the time of payment then his payment shall be stopped till he files his mandatory returns and appears on ATL of FBR.

14. Payment shall made be after complete delivery, installtion and upon confirmation of our IT Department.
15. Tax shall be deducted/withheld as per applicable sales tax and income tax law.
16. Relevant details plus terms and conditions of the invitation may be obtained from the undersigned personally or by visiting the SECP website: <https://www.secp.gov.pk/procurement/>
17. SECP reserves the right to cancel this invitation and reject all bids at any stage of the bidding process.
18. The bid validity period shall be 150 days.
19. If the bid is withdrawn after bid opening time and before the expiry of bid validity the bid bond/security will be forfeited in favor of the SECP, Islamabad.
20. The language of the bid is English and alternative bids shall not be considered.
21. Amendments or alterations/cutting etc., in the bids must be attested in full by the person who has signed the bids.
22. The prices quoted shall correspond to 100% of the requirements specified. The prices quoted by the bidder shall not be adjustable. Changes or revisions in rates after the opening of the bids will not be entertained and may disqualify the original offer.
23. The rates must be quoted strictly in accordance with our documents and Annex(s).
24. Discounts (if any) offered by the bidder shall be part of the bid and for taxation purposes will be treated in accordance with the applicable laws.
25. Detail of applicable taxes and whether taxes included or not in the quoted price and breakup of the quoted price shall be clearly mentioned.
26. The bidder shall be responsible for payment of any duties/taxes etc. which are imposed by the Government of Pakistan (GOP). The bided price MUST be inclusive of all applicable taxes. The bidder is hereby informed that the Commission shall deduct tax at the rate prescribed under the tax laws of Pakistan from all payments for supply/services rendered by any responding organization who accepts the Purchase order or signs agreement with the Commission.
27. **Price inclusive of quoted tax, quoted by the bidder shall be considered for evaluation irrespective of the tax rate. The lowest evaluated/most advantageous bidder shall be responsible of the quoted tax in its bid and any demand from tax authorities shall be payable by that bidder.**
28. In case applicable taxes have neither been included in the quoted price nor mentioned whether quoted amount is inclusive or exclusive of such taxes, then quoted amount will be considered inclusive of all taxes and selected service provider will have to provide the required services/equipment, if selected and declared as lowest evaluated/most advantageous bidder.
29. Selected service provider/supplier will have to provide the required services/equipment, if selected and declared as lowest evaluated/most advantageous bidder. In case selected bidder is not willing to supply on quoted amount then bid bond/security submitted with the bid will be forfeited in favor of the Commission.
30. Bidder must have regular place of business, telephone numbers and email address and must provide

proof of their existence in the particular business. A brief profile of the bidder, along with list of major customers (corporate sector) along with their contact details is required.

31. Items included in Compulsory Certification Scheme of PSQCA shall be duly certified by an accredited laboratory and fulfill necessary conditions of PSQCA, as applicable.
32. Bidder must submit following undertaking (on stamp paper of Rs.100/letter head), failing which the bid shall be rejected.
  - a) Affidavit that the documents/details/information submitted is true and liable to be rejected if proven false and in that case legal action is liable on that bidder.
  - b) Affidavit that the bidder has never been blacklisted by any National/International organizations.

***Note: In case any bidder is found in the list of “Blacklisted Firms-Pakistan” or related links at <https://www.ppra.org.pk/> then its bid shall be rejected***

33. "Bids from any bidder who is found or purported to be engaged or under investigation for offences related to fraud, under-invoicing, tax evasion, concealment, money laundering etc. shall be rejected without assigning any reason".
34. Comprehensive warranty & onsite support for mentioned years shall be given for the equipment/software/renewal at Islamabad, Karachi, and Lahore offices (if applicable).
35. All software based items contains installation and configuration and end user orientation which is responsibility of the supplier (if support is not provided by the Principal).
36. The equipment/software/renewals supplied must be duty paid in respect of all applied duties and taxes.
37. The quantities required may increase/decrease according to SECP requirement.
38. The end user License, end user warranties and end user support services will be in the name of SECP for all equipment and software loaded on the equipment delivered.
39. A copy of valid authorized agency/partnership/dealership/distributorship certificate from their principals is to be submitted with the bid.
40. Payment shall be made after delivery, installation and commissioning of complete equipment/licenses/services/renewals. All payments shall be made after deduction of taxes and all payments shall be made through cross cheque in Pak Rupees. Taxes will be deducted at source as per Government Rules at the time of payment.
41. The bidders do not have the option of submitting their bids electronically. Telegraphic and conditional bids will not be accepted.
42. Only sealed bids will be opened at the time of bid opening and unsealed bids will be rejected.
43. Sealed bids may be dropped in the tender drop box placed at Ground Floor of the NIC Building, 63 Jinnah Avenue, Islamabad.
44. Clarification if any on the requirements may be obtained from:
  - o [ubaidullah.khalid@secp.gov.pk](mailto:ubaidullah.khalid@secp.gov.pk)
45. The bid bond/security of successful bidder will be retained and returned after delivery, installation

and commissioning of complete equipment/licenses/services/renewals of ordered items. However, bid bond/security of unsuccessful bidders will be returned after award of contract to successful bidder.

46. During the retention period the bid bond/ security, no interest / markup will be provided on this amount by Commission to bidder at the time of refund/ release of bid bond/ security.
47. Successful bidders shall be bound to provide the required items within the delivery period. In case of late delivery, late delivery (LD) charges equivalent to 1% (of the PO/ contract Value) per week shall be imposed and deducted from the payment. However, imposed penalty shall not exceed 10% of the PO/ contract value.
48. In case 1st lowest evaluated/most advantageous bidder is unable to supply ordered items then the Commission reserve the right to award the contract to 2nd lowest evaluated/most advantageous bidder. In case 2nd lowest evaluated/most advantageous bidder is unable to supply ordered items then the Commission reserve the right to award the contract to 3rd lowest evaluated/most advantageous bidder.
49. Bid bond/security of the bidder who is unable to supply ordered items shall be forfeited in favor of the Commission.
50. The Commission reserves the right either to issue a Purchase Order or sign an agreement with the successful bidder OR PO & Agreement both will be executed.
51. The bids received after the due date and time will not be entertained.
52. It is of utmost importance that bids should be submitted very carefully and the instructions set forth above, scrupulously complied with, failing which the offer will be ignored.
53. The place of bid destination is:

**Securities and Exchange Commission of Pakistan,  
NICL Building, 63 Jinnah Avenue, Blue Area, Islamabad.**

54. The envelopes shall bear the following additional identification marks:

Bid for: **Supply and Installation of IP Surveillance Camera Solution for SECP Head Office**

Bidder Name: XYZ  
Attention: Mr. Arshad Kamal  
Additional Director (Admin), 4<sup>th</sup> Floor,  
NICL Building, 63 Jinnah Avenue Blue Area, Islamabad

55. The deadline for the submission of bids is:

**Date: January 20, 2021  
Time: 1100Hrs**

56. The bid opening shall take place at

**Securities and Exchange Commission of Pakistan NICL Building, 63 Jinnah Avenue, Blue Area, Islamabad**

**Date: January 20, 2021  
Time: 1130Hrs**

A statement “Not to be opened before 1130 Hrs on January 20, 2021” shall be clearly mentioned on the top of the sealed bid.

**Note: Attachment Details are as under:**

- |   |                  |
|---|------------------|
| <b>1. Terms of Reference</b>            | <b>Annex “A”</b> |
| <b>2. Technical Evaluation Criteria</b> | <b>Annex “B”</b> |
| <b>3. Format for Financial Bid</b>      | <b>Annex “C”</b> |
| <b>4. Documentary Evidence Form</b>     | <b>Annex “D”</b> |

**If the above terms and conditions are acceptable then bids must be submitted well in time and according to the requirements.**

**TERMS OF REFERENCE**

Supply and Installation of IP Surveillance Camera solution for SECP Head Office Islamabad.

SR	REQUIREMENT	QUANTITY
1	IP Cameras (with 64GB memory card)	30
2	32 Channel NVR	01 for H.O Islamabad
3	64 Channel NVR	01 for H.O Islamabad
4	Hard Disk Drive (Surveillance)	(8x8TBx Islamabad, 4TBx Islamabad, 2TBx Karachi, 2TBx Lahore)
5	PoE Gigabit Switch (24 port)	03
6	55”x UHD LED	02
7	Patch Panel / Rack / Cable	02x 6U, 01x 02U Rack, 03x 24port Patch Panel, Cable (APA)

**DELIVERY & INSTALLATION INFORMATION**

The cameras to be delivered and installed at SECP Offices in Islamabad.

**TECHNICAL SPECIFICATIONS**

Sr#	Item	Qty	Items Description & Required Specifications by SECP		Compliance Status
1	NVR (32 Channel )	1	Processor	Dual-Core Processor	
			Operating System	Embedded Linux	
			Recording Compression	H.265/H.264/MJPEG	
			Recording Resolution	Up to 12 Mega Pixel	
			Bit rate	16Kbps ~ 20Mbps Per Channel	
			Record Mode	Manual, Schedule, Holiday Stop	
			Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Tampering	
			Display Interface	2 HDMI (up to 3840 x 2160 , Different Source), 1 VGA	
			Display Resolution	UP to 3840x2160	
			Display Split	1/4/8/9/16/25/36	
			Internal Storage HDD Supported	8 SATA III Ports, Up to 8 TB capacity for each HDD	
			Ethernet Ports	2 RJ-45 ports (10/100/1000Mbps)	
			Network Function	HTTP, TCP/IP, IPv4, DHCP,DNS, IP Camera Search	

			HDD Mode	Single, Raid 0/1/5/10, Support Global HDD Hot-spare	
			Input Camera	32	
			Two-Way Talk	1 Channel Input, 1 Channel Output, RCA	
			Play back	128 Mbps in Raid 5 Mode; 64 Mbps in single HDD Mode	
			Search Mode	Time/Date, Alarm, Motion Detection, exact search	
			Backup Mode	USB Device/Network/eSATA Device	
			Incoming Bandwidth	Max 384Mbps	
			Missing Abandon Detection	YES	
			Intelligent Detection	Intrusion, Tripwire, Smart Tracking	
			OSD	Camera title, Time, Video loss, Camera lock, Motion, detection, Recording	
			eSATA	1 SATA Port	
1	NVR (64 Channel )	1	Processor	Dual-Core Processor	
			Operating System	Embedded Linux	
			Recording Compression	H.265/H.264/MJPEG	
			Recording Resolution	Up to 12 Mega Pixel	
			Bit rate	16Kbps ~ 20Mbps Per Channel	
			Record Mode	Manual, Schedule, Holiday Stop	
			Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Tampering	
			Display Interface	2 HDMI (up to 3840 x 2160 , Different Source), 1 VGA	
			Display Resolution	UP to 3840x2160	
			Display Split	1/4/8/9/16/25/36	
			Internal Storage HDD Supported	8 SATA III Ports, Up to 8 TB capacity for each HDD	
			Ethernet Ports	2 RJ-45 ports (10/100/1000Mbps)	
			Network Function	HTTP, TCP/IP, IPv4, DHCP,DNS, IP Camera Search	
			HDD Mode	Single, Raid 0/1/5/10, Support Global HDD Hot-spare	
			Input Camera	64	
			Two-Way Talk	1 Channel Input, 1 Channel Output, RCA	



			Play back	128 Mbps in Raid 5 Mode; 64 Mbps in single HDD Mode	
			Search Mode	Time/Date, Alarm, Motion Detection, exact search	
			Backup Mode	USB Device/Network/eSATA Device	
			Incoming Bandwidth	Max 384Mbps	
			Missing Abandon Detection	YES	
			Intelligent Detection	Intrusion, Tripwire, Smart Tracking	
			OSD	Camera title, Time, Video loss, Camera lock, Motion, detection, Recording	
			ISCSI	For Expand Storage Space	
			eSATA	1 SATA Port	
2	HDD	8	Hard Disk	Surveillance Grade 8TB	
3	HDD	1	Hard Disk	Surveillance Grade 4TB	
4	HDD	2	Hard Disk	Surveillance Grade 2TB	
5	Camera	16	Scanning System	Progressive	
			Effective Pixels	1920x1080	
			RAM/ROM	128 MB/128 MB	
			Image Sensor	1/2.7" 2 Megapixel progressive CMOS	
			IR Distance	30m	
			WDR	DWDR	
			IR LEDs	1/2	
			IR On/Off Control	Auto / Manual	
			Lens Type	Fixed-Focal	
			Focal Length	2.8mm -3.6mm	
			Video Compression	H.265; H.264; H.264B; MJPEG	
			Iris Type	Fixed Aperture	
			Abnormality Detection	Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnected, IP conflict, illegal access, voltage detection	
			Streaming Capability	2 Streams	
			Field of View	2.8 mm: Pan: 110.0°, Tilt: 59.0° Diagonal: 132.0° 3.6 mm: Pan: 91.0°, Tilt: 48.0° Diagonal: 109.0°	
			Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)	
			Bit Rate Control	CBR/VBR	
			WDR	DWDR	

			White Balance	Auto/natural/street lamp/outdoor/manual/regional custom	
			Gain Control	Auto / Manual	
			Motion Detection	Off / On ( 4 Areas, Rectangle)	
			Region of Interest	(4 Areas)	
			Intelligent Detection	Intrusion, Tripwire,	
			Protection	IP67	
			Privacy Masking	4 Areas	
			Ethernet	RJ-45 (10/100 Base-T)	
			Protocol	TTP; HTTPs; TCP; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6	
			Interoperability	ONVIF, PSIA, CGI	
			Casing	Metal	
			Edge Storage	FTP; SFTP; Micro SD Card (support max256 GB); NAS	
			Power Supply	DC12V	
			PoE	PoE (802.3af)	
6	Camera	1	Scanning System	Progressive	
			Effective Pixels	1920x1080	
			RAM/ROM	256 MB/128 MB	
			Image Sensor	1/2.8" CMOS	
			IR Distance	30m	
			Back Compensation	Ligh BLC/HLC/WDR(120db)	
			IR LEDs	2	
			IR On/Off Control	Auto / Manual	
			Resolution	1080P(1920×1080)/720P(1280×720)/D1(704×576/704×480)/CIF(352×288/352×240)	
			Focal Length	2.7mm~11mm	
			Video Compression	H.265; H.264/ MJPEG	
			Optical Zoom	3.9	
			Advanced Intelligent Functions	Face Detection	
			Streaming Capability	3 Streams	
			Angle of View	H: 112.5° ~ 30°	
			Bit Rate Control	CBR/VBR	
			Defog	Support	
			White Balance	Auto, ATW, Indoor, Outdoor, Manual	
			Gain Control	Auto / Manual	
			Motion Detection	Support	
			Region of Interest	Support	
			Digital Zoom	14x	

			Compression	G.711a/G.711mu/PCM/G.726/AAC/ G722.1/G.729/ MPEG2-Layer2	
			Privacy Masking	upto 24 Areas	
			Ethernet	RJ-45 (10XBase-T/100Base-TX)	
			Protocol	TTP; HTTPs; TCP; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6	
			Streaming Method	Unicast / Multicast	
			Casing	Metal	
			Edge Storage	Micro SD Card (support max 128GB); NAS	
			PTZ Mode	5 Pattern, 8 Tour(up to 32 preset per tour),Auto Scan	
			Presets	300	
			Pan/Tilt Range	Pan: 0° ~ 360° limited; Tilt: 0° ~ 90	
			Audio	Built-in Mic	
			PoE	PoE (802.3af)	
7	13		Effective Pixels	1920x1080	
			RAM/ROM	128 MB/128 MB	
			Image Sensor	1/2.8" 2 Megapixel progressive CMOS	
			IR Distance	60m	
			WDR	120 dB	
			IR LEDs	4	
			IR On/Off Control	Auto / Manual	
			Lens Type	Motorized vari-focal	
			Focal Length	2.7 mm–13.5 mm	
			Video Compression	H.265; H.264; H.264B; MJPEG	
			Iris Type	Fixed Aperture	
			Abnormality Detection	Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnected, IP conflict, illegal access, voltage detection	
			Streaming Capability	2 Streams	
			Field of View	Pan: 109°–28° Tilt: 57°–16° Diagonal: 131°–33	
			Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)	
			Bit Rate Control	CBR/VBR	
			BLC Mode	BLC / HLC	

			White Balance	Auto/natural/street lamp/outdoor/manual/regional custom	
			Gain Control	Auto / Manual	
			Motion Detection	Off / On ( 4 Areas, Rectangle)	
			Region of Interest	(4 Areas)	
			Intelligent Detection	Intrusion, Tripwire,	
			Protection	IP67, IK10 (Optional)	
			Privacy Masking	4 Areas	
			Ethernet	RJ-45 (10/100 Base-T)	
			Protocol	HTTP; HTTPS; TCP; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6	
			Interoperability	ONVIF	
			Casing	Metal	
			Edge Storage	FTP; SFTP; Micro SD Card (support max256 GB); NAS	
			Power Supply	DC12V	
			PoE	PoE (802.3af)	
8	24 Port Switch	3	Ethernet Ports	Two (2) 1000 Base-X 24 x 10/100/1000 Base-T Ports (PoE Power Supply)	
			RS232 Serial Console	One (1) RS232 Built-in to RJ-45 Connector for CLI Management: • Baud Rate: 115,200 bps • Data Bits: 8 • Odd-even Check: None • Stop Bit: 1	
			PoE Features	• Hi-PoE: Ports 1 and 2 Consumption: up to 60 W per port • IEEE802.3af, IEEE802.3at: Ports 3 to 24 Consumption: up to 30 W per port • Total PoE Budget: ≤ 360 W	
			POE Protocol	PoE (IEEE802.3af), PoE+ (IEEE802.3at), Hi-PoE	
			Switching Capacity	52 Gbps	
			Packet Forwarding Rate	38.688 Mpps	
			Packet Buffer Memory	4 MB	
			Power Requirements	100 VAC to 240 VAC, 50/60 Hz	
			Lighting Protection	Common Mode: 2 KV Differential Mode: 1 KV	
			POE Budget/Rating	≤360 W	
			MAC Table Size	8K	
			NTP	Support	

			DHCP	DHCP Client/Server; DHCP Snooping	
			VLAN	802.1Q Standard VLAN	
			Spanning Tree	STP, RTSP, MSTP	
			Port Aggregation	Manual Aggregation / LACP	
			Port Mirroring	Many-to-One Port Mirroring	
			Multicast	IGMP Snooping v1, v2, v3	
			Security Features	User Management, SSH, HTTPS, SNMP v1/v2/v3, ROMN, ACL, IP Source Guard, ARP Inspection, 802.1x, Loop Protection	
			Network Time Synchronization	<ul style="list-style-type: none"> <li>NTP</li> <li>Command Line via the Console Port</li> </ul>	
			Network Management	Web (HTTP Protocol), Serial, SNMP	
9	Rack/Tray	2	Dimension	6U with required tray	
10	Rack/Tray	1	Dimension	2U with required tray	
11	Patch Panel	3	Panel	24 Port	
12	Display	2	Dimension with Specs	50" UHD LCD/LED with HDMI Inputs and HDMI Cables	
14	Cabling	AP A	Network Cabling	Cat-6 with ducting	
15	Configuration & Installation		Must be completed in all aspects including network & power cabling	Complete in all aspects	

## TECHNICAL EVALUATION CRITERIA

TECHNICAL EVALUATION CRITERIA – GENERAL			
S. No.	ATTRIBUTE	SPECIFICATION	WEIGHTAGE
1	Partnership Level	Valid partnership letter from the Principal/Manufacturer	MUST
2	Geographical Presence	ISB, KHI, LHR	MUST
3	Relevant Experience	Minimum 05 years (work order proofs)	MUST
4	Financial Strength	20 Million / year (minimum last 3 years)	MUST
5	Performance Certificates	Minimum 3 performance certificates of equivalent amount projects	MUST
6	Installation & Configuration	In all aspect including network/power cabling	MUST
7	Compliance	Fully compliant as per published TOR	MUST
8	Warranty & Support	01 years standard onsite	MUST
TECHNICAL EVALUATION CRITERIA – NVR – I			
9	NVR Series	Professional/Business	MUST
10	Recording Resolution	Up to 12 Mega Pixel	MUST
11	Display Interface	2 HDMI (up to 3840 x 2160 , Different Source), 1 VGA	MUST
12	Display Resolution	UP to 3840x2160	MUST
13	Internal Storage HDD Supported	8 SATA III Ports, Up to 8 TB capacity for each HDD	MUST
14	Ethernet Ports	2 RJ-45 ports (10/100/1000Mbps)	MUST
15	HDD Mode	Single, Raid 0/1/5/10, Support Global HDD Hot-spare	MUST
16	Camera inputs	32	MUST
17	eSATA	1SATA Port	MUST
18	Recording Compression	H.265/H.264/MJPEG	MUST
TECHNICAL EVALUATION CRITERIA – NVR-II			
19	NVR Series	Professional/Business	MUST
20	Recording Resolution	Up to 12 Mega Pixel	MUST
21	Display Interface	2 HDMI (up to 3840 x 2160 , Different Source), 1 VGA	MUST
22	Display Resolution	UP to 3840x2160	MUST
23	Internal Storage HDD Supported	8 SATA III Ports, Up to 8 TB capacity for each HDD	MUST
24	Ethernet Ports	2 RJ-45 ports (10/100/1000Mbps)	MUST
25	HDD Mode	Single, Raid 0/1/5/10 , Support Global HDD Hot-spare	MUST
26	Camera inputs	64	MUST
27	eSATA	1SATA Port	MUST
28	Recording Compression	H.265/H.264/MJPEG	MUST

29	ISCSI	For Expand Storage Space	MUST
<b>TECHNICAL EVALUATION CRITERIA – HDDs</b>			
30	Hard Disk (Surveillance Grade)	(8TB, 4TB and 2TB) (Surveillance Grade)	MUST
<b>TECHNICAL EVALUATION CRITERIA – Camera –I</b>			
31	RAM/ROM	128MB/128MB	MUST
32	Image Sensor	1/2.7" 2 Megapixel progressive CMOS	MUST
33	WDR	DWDR	MUST
34	IR LEDs	1/2	MUST
35	Protection	IP67	MUST
36	Casing	Metal	MUST
37	Edge Storage	FTP; SFTP; Micro SD Card (support max256 GB); NAS	MUST
<b>TECHNICAL EVALUATION CRITERIA – Camera –II</b>			
38	RAM/ROM	256MB/128MB	MUST
39	Optical Zoom/Digital Zoom	3.9/14	MUST
40	Image Sensor	1/2.8" 2 Megapixel progressive CMOS	MUST
41	Back Light Compensation	BLC/HLC/WDR(120db)	MUST
42	IR LEDs	2	MUST
43	PTZ Mode	5 Patern, 8 Tour(up to 32 preset per tour),Auto Scan	MUST
44	Edge Storage	Micro SD Card (support max256 GB); NAS	MUST
45	Audio	Built-in Mic	MUST
46	POE	PoE (802.3af)	MUST
47	Focal Length	2.7mm~11mm	MUST
<b>TECHNICAL EVALUATION CRITERIA – Camera –III</b>			
48	RAM/ROM	128MB/128MB	MUST
49	Image Sensor	1/2.8" 2 Megapixel progressive CMOS	MUST
50	Protection	IP67, IK10(Optional)	MUST
51	IR Distance	60m	MUST
52	IR LEDs	4	MUST
53	Casing	Metal	MUST

54	Edge Storage	FTP; SFTP; Micro SD Card (support max256 GB); NAS	MUST
55	Lens Type	Motorized Vari-focal	MUST
56	Focal Length	2.7mm-13.5mm	MUST
<b>TECHNICAL EVALUATION CRITERIA – PoE Switch</b>			
57	Ethernet Ports	Two (2) 1000 Base-X 24 x 10/100/1000 Base-T Ports (PoE Power Supply)	MUST
58	POE Features	<ul style="list-style-type: none"> <li>• Hi-PoE: Ports 1 and 2 Consumption: up to 60 W per port</li> <li>• IEEE802.3af, IEEE802.3at: Ports 3 to 24 Consumption: up to 30 W per port</li> <li>• Total PoE Budget: <math>\leq 360</math> W</li> </ul>	MUST
59	Switching Capacity	52 Gbps	MUST
60	POE Budget	$\leq 360$ W	MUST
61	Spanning Tree	STP, RTSP, MSTP	MUST
62	Multicast / Port Mirroring	IGMP Snooping v1, v2, v3 /Many-to-One Port Mirroring	MUST
63	Network Management	Web (HTTP Protocol), Serial, SNMP	MUST
<b>TECHNICAL EVALUATION CRITERIA – LED Screen</b>			
64	Product Type	LED 4K, Resolution (3840 $\times$ 2160)	MUST
65	Display & Size	Size 55" - UHD	MUST
66	Contrast Ratio	5000:1	MUST
67	Ethernet Port	Ethernet Port	MUST
68	Ports	Minimum 02 x HDMI ports and 02x USB ports	MUST
69	Mounting Kit	Providing mounting kit and installation is vendor responsibility	MUST
70	Speaker	Integrated	MUST

**NOTE:**

1. The bidders **MUST** submit a compliance sheet against all requirements mentioned in the technical evaluation criteria
2. Bids NOT in compliance with any MUST items in the evaluation criteria will NOT be evaluated

**FORMAT FOR TECHNICAL COMPLIANCE SHEET**

SR	ATTRIBUTE	SPECIFICATION	COMPLIANCE (YES/NO/ PARTIAL)



**FORMAT FOR FINANCIAL BID ONLY**

SR	REQUIREMENT	QUANTITY	Unit Price with all applicable taxes	Total Price with all applicable taxes
1	IP Cameras (with 64GB memory card)	30		
2	32 Channel NVR	01 for H.O Islamabad		
3	64 Channel NVR	01 for H.O Islamabad		
4	Hard Disk Drive (Surveillance)	(8x8TBx Islamabad, 4TBx Islamabad, 2TBx Karachi, 2TBx Lahore)		
5	PoE Gigabit Switch	03		
6	55”x UHD LED	02		
7	Patch Panel / Rack / Cable	APA		
<b>Grand Total (Rs.)</b>				

**NOTE:** Bid found in compliance of the mandatory requirements in technical evaluation and quoting lowest Grand Total (Rs.) price shall be selected.

**DOCUMENTARY EVIDENCE**

Name of the Bidder: \_\_\_\_\_

Bid against Reference No: \_\_\_\_\_

Date of opening of Bid: \_\_\_\_\_

Documentary evidence for determining eligibility of the bidders & evaluation of bids. Bidders should only initial against those requirements that they are attaching with the form. **Bidders are required to mark page number on each page of the bid and mention the exact page number of relevant documents in the table below.** Bidders are advised to attach all supporting documents with this form in the order of the requirement.

S#	Required Documentation	Signature of Bidder	Supporting Document's Name	Page Number in the Bid.
1	NTN Certificate			
2	GST Certificate			
3	Availability on Active Tax Payers List of FBR			
4	Registration/Incorporation/Business Certificate			
5	Affidavits			
6	Bid Bond/Security (As applicable)			
7	Bid Validity period of 150 days(As applicable)			
8	Bidding documents duly signed and stamped			
9	Authorized Contact Number and Email Address for correspondence			