



**KHYBER COLLEGE OF DENTISTRY
(MTI)
BID SOLICITATION DOCUMENTS
FOR
PROCUREMENT OF IP BASED CCTV SYSTEM FOR
SURVEILLANCE AND VIDEO RECORDING
(TURNKEY BASE SOLUTION)**

Note: The prospective bidder is expected to examine the Bidding Documents carefully, including all Instructions, Terms & Conditions, and Specifications etc. Failure to furnish all information required by the Bidding documents or submission of a Bid not substantially responsive to the Bidding Documents in every respect would result in the rejection of the Bid.

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1. INTRODUCTION:

KHYBER COLLEGE OF DENTISTRY invites. Item wise sealed bids from the eligible bidders for the **PROCUREMENT OF IP BASED CCTV SYSTEM FOR SURVEILLANCE AND VIDEO RECORDING (TURNKEY BASE SOLUTION)** Open Competitive Bidding under rule 6(2) (b) “*Single Stage Two Envelope*” bidding procedures of Khyber Pakhtunkhwa Public Procurement Regulatory Authority (KPPRA) Rules 2014.

<i>Description</i>	<i>Dates</i>
Pre-bid meeting	01/11/2022
Closing/Last submission/Opening	11/11/2022
Bid security	2%
Tender Process	<i>Single Stage Two Envelope</i>

2. INSTRUCTIONS TO BIDDERS:

1. This Bidding procedure will be conducted in light of Khyber Pakhtunkhwa Public Procurement Regulatory Authority (KPPRA) Laws, Rules made there under along with Standard Bidding Documents.
2. Any bid received after the deadline for submission of bids shall not be entertained and shall be returned unopened to the Bidder.
3. All the bidders are required to provide annexure wise complete requisite documents with page marking for their Technical Evaluation / Qualification as prescribed under the rules.
4. The bid should be complete in all respect and must be signed by the bidder.
5. All prices quoted must be in Pak Rupees (PKR) and should include all applicable taxes. If not specifically mentioned in the Quotation, it will be presumed that the prices include all the taxes. KCD Peshawar is exempted from GST.
6. Bidders are essentially required to provide correct and latest postal/email/web addresses, phone/mobile/fax numbers for actively and timely communication.
7. For any query, clarification regarding Services / Bid Solicitation Documents, the applicants may send a written request at least one day prior to the opening date.
8. The Bidder may after its submission withdraw its bid prior to the expiry of the deadline prescribed for submission of bids. Withdrawn bids will be returned unopened to the Bidders.
9. Any bid not received as per terms and conditions laid down in this document are liable to be ignored. No offer shall be considered if:
 - a. Received without earnest money;
 - b. It is received after the date and time fixed for its receipt;
 - c. The tender document and the bid are unsigned;
 - d. The offer is ambiguous;
 - e. The offer is conditional i.e. advance payment, or currency fluctuations etc.;
 - f. The offer is from blacklisted firm in any Federal / Provincial Govt. Deptt;
 - g. Hand written bids shall NOT be accepted; it must be typed.

10. Usage of correction fluid & corrections are strictly prohibited unless duly initiated.
11. Any erasing / cutting etc. appearing on the offer, must be properly signed by the person signing the tender.
12. Bids will be rejected if the Bid is in some way connected with bids submitted under names different from his own.
13. In case of Bid Tie, the decision will be taken by making toss/draw/Recall sealed quotation in front of the bidders.
14. Any direct or indirect effort by a bidding firm to influence this institution during the process of selection of a bidder or award of contract may besides rejection of its bid result into its disqualification from participation in KCD Peshawar's future bids.
15. All bidders must provide compliance sheet in soft copy with bid submission.

3. ELIGIBLE BIDDERS:

- a. Bidders must give compliance to the below mentioned clauses as these are mandatory to being eligible for the bidding process. Relevant certificates must be attached.
- b. The bidder must be registered with Income / Sales Tax Department, reflected as Active Tax Payer on the list of FBR.NTN and KPK Professional tax.
- c. The bidder shall provide an undertaking that the bidder has not been declared black listed by any Governmental/ Semi-Governmental institutions.
- d. Bidders shall not be eligible to bid if they are under a declaration of Ineligibility for corrupt and fraudulent practices issued by any government organization in accordance with the Section 44(1) KPP Rules 2014.

4. GENERAL CONDITIONS: -

1. KCD Peshawar shall evaluate the proposal in a manner prescribed in advance, without reference to the price and reject any proposal which does not conform to the specified requirements.
2. At any time prior to the deadline for submission of bids, KCD-MTI Peshawar may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the bidding documents by amendment.
3. If a bid is not substantially responsive, it will be rejected by the Procuring Entity and may not subsequently be made responsive by the Bidder by correction of the nonconformity.
4. KCD-MTI Peshawar may accept or reject any or all of the bids under KPPRA Rules, 2014.
5. Non-Provision of mandatory documents mention in these SBDs shall lead to disqualification of the firm / quoted items.
6. Bid document and required documents must be submitted in Hard Tap binding, Bids in the Clip or box file will not be allowed
7. The Procuring Agency, at any stage of the procurement proceedings, having credible reasons for or prima facie evidence of any defect in Supplier's capacities may require the Suppliers to provide information concerning their professional, technical, financial, legal or managerial competence.
8. The Procuring Agency has the right to inspect the premises of bidder to inspect the

setups ensuring proper after sales services, documents mentioned in technical bids and any other relevant details. Premises (office/workshop) of bidder shall be insured through ownership/or Rent agreement.

9. The Bid security shall be from bank account of the bidder. Ordinary cheque and Payment Order (PO) in the form of bid security shall result in bid rejection.
10. The Unit price quoted by the bidder shall be **inclusive** of all applicable duties and taxes. All prices shall include relevant taxes & duties, where applicable. The benefit of exemption from or reduction in the GST or other taxes shall be passed on to the Procuring Agency.
11. In case of the Importers/Authorized Dealers, the firm will ensure that the items are acquired from the original manufacturer and are procured through proper channel as advised by the original manufacturer.
12. Different models/ prices offered for a single item by the same bidder shall be considered as alternate bid and shall be non-responsive.
13. All reservations in SBDs shall be submitted in writing in the pre-bid meeting by authorized person/representative of the firm.
14. The schedule for supply of goods shall be as under:
 - i. Within 90 days from the date of issuance of supply order by the Purchasing Agency for items to be imported.
 - ii. Within 60 days from the date of issuance of supply order by the Purchasing Agency for items to be locally manufactured.
 - iii. Within 30 days from the date of issuance of supply order by the Purchasing Agency for items to be locally available
15. The Penalty on late supply of goods shall be charged as under
 - i. Penalty @ 2% for late supply up to 15 days.
 - ii. Penalty @ 5% for late supply beyond 15 days

KHYBER COLLEGE OF DENTISTRY
Medical Teaching Institute
Peshawar

5. INVITATION FOR BIDS

Dean, **KHYBER COLLEGE OF DENTISTRY** invites sealed tenders on National Competitive Bidding for the procurement of **IP Based CCTV System for Surveillance and Video Recording System**, under rule 6(2) (b) *“Single Stage Two Envelope Procedure”* of KPPRA Rules 2014, from reputed firms registered with the Income / Sales tax, reflected on Active Taxpayer List of FBR.

The bidders are required to submit bid security 2% of the total bid value in the name of Dean KCD Peshawar. An affidavit is mandatory, without indicating the figure in the technical bid that bid security is placed in the financial bid. Pre-bid meeting with the interested bidders will be held on **01-11-2022** at **11:00 am** at the Committee room of this institution.

The tenders complete in all respect must reach the undersigned by **10:30am on 11-11-2022**, this will be opened at **11:00** am on the same day in committee room of KCD in the presence of the procurement committee and the bidders / representatives who may choose to attend.

Competent Authority reserves the right to reject any or all the bids as per provisions contained in Rule 47 of KPPRA Rules 2014.

6. BID SECURITY

Bid security 2% of the total bid value in favor of “**DEAN KCD**” should be kept sealed in the financial proposal. An affidavit is mandatory without indicating the figure in the technical bid that bid security is placed in the financial proposal.

Bid security of the successful bidder will be released after submission of Performance Guarantee.

The bid security may be forfeited:

- i) If a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Form; or
- ii) In the case of a successful Bidder, if the Bidder fails to sign the contract or to furnish performance Guarantee.

7. BID VALIDITY:

- i) The bids should be valid for a period of 180 days.
- ii) In exceptional circumstances, KCD may solicit the Bidder’s consent to an extension of the period of validity reasons shall be recorded in writing. The request and the responses there to shall be made in writing. The bid security provided shall also be suitably extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required nor permitted to modify its bid, except as provided in the bidding document.

EVALUATION CRITERIA for KCD

The bids / Proposals will be evaluated on the basis of advertisement, bid solicitation documents and the point system as specified below.

Mandatory Clauses for the participant.

Mandatory Clauses		
S.NO	Description	Mandatory
01	Sales Tax, NTN Registration, Active Tax Payers,	Mandatory
02	Manufacturers Authorization in favor of End User Department.	Mandatory
03	03Years comprehensive warranty including parts and onsite support and installation with free services and Training to End users.	Mandatory
04	Refurbished, Grey smuggled, or international warranty products will be not accepted in any Case.	Mandatory
05	Bidder should have factory-certified trained engineers on the proposed CCTV/ Network/Servers/Storage Devices.	Mandatory
06	100% compliance is required. (Mandatory)	Mandatory
07	OEM and Bidder Proof of Proper inventory of spare parts kept anywhere in Pakistan for the equipment being offered.	Mandatory
08	Demonstration of the quoted Equipment.	Mandatory
09	OEM Certified Graduate Engineer of CCTV Systems.	Mandatory
10	Service Level Agreement (SLA) in % age (with parts, service) from 2 year to 5 (after comprehensive warranty). The same shall be incorporated in the contract signed between the parties.	Mandatory

Total Marks in Technical Criteria: 70

S #	Parameters	Sub-Parameters	Marks
a.	Product that 100% comply with the advertised specifications + Demonstration of the quoted equipment.	Fully compliance with the required specifications as per Requirement (Up to a maximum of four Minor deviations may be accommodated subject to the condition that main function and Performance in any aspect would not affect. However, up to 10 marks will be deducted.	20
b.	PEC Registration Current Valid Registration	Pakistan Engineering Council Current Valid Registration Category minimum C4 for CCTV surveillance project. EE02, EE04, EE06, EE-11	05
c.	ISO Registration Current Valid Registration	ISO9001:2015 certified firm	05
d.	Audit Report and Bank Statement for firm Soundness.	500 ~750 million = 2.5 750~ 1000 million = 5	05
e.	Current Performance in relevant Field	Current Similar nature project (Work in Hand) (01 marks against each work order with contact details for confirmation) More than 15 Million.	05
f.	PAST Performance in relevant Field	CCTV Cameras installed in a single project more than 150~200units in Government, Semi Government as the well-known corporate sector. (02 marks against each work order with contact details for confirmation)	10
g.	HR CAPABILITIES	<ul style="list-style-type: none"> • 3 x Engineer BS /BE (Electrical/Electronics/Network / IT) (02 marks / Engineer) • 4 x DAE (Diploma Holder) (Electrical/Electronics/Telecom/ IT) (01 mark /DAE) Note: Salary slips of appointees along with bank statement must be attached 	10
h.	Company/ Firms Establishment	01 Mark for 3 years' Experience 02 Mark for 6 years' Experience 03 Mark for 9 years' Experience 04 Mark for 12 years' Experience 05 Marks for 15 Years' Experience	05
i.	Authorized Distributor from the Manufacturer.	Firm must be OEM Authorized Distributor for the KCD.	05
Total Marks			70

Financial Marks = 30

S #	Parameters	Sub-parameters	Marks
01	Financial Marks	Lowest Price will get full marks.	30

Total Marks = {(Technical Criteria (70) + Financial Criteria (30)): 100

Merit Point Evaluation Methodology: Contract will be awarded to the best evaluated responsive bid which gets the maximum marks and becomes the highest ranking in the Combined Evaluation calculated through the Merit Point Average Methodology which puts greater emphasis on non-price factors like stringent global certifications on Conformance Specifications (i.e., meeting the required technical specifications), Performance Specifications (i.e., meeting the requirements the product is designed for) leading to customer satisfaction verification, certifications of the technical staff, provision of maintenance & services and post-warranty services etc.

Bid Evaluation Formula

$$Score_i = \left(\frac{Cost_{lowest}}{Cost_i} \right) \times 30\% + \left(\frac{Technical_Score_i}{Technical_Score_{highest}} \right) \times 70\%$$

where:

- Score_i = Evaluated Score of Bidder i
- Cost_i = Evaluated Bid Price of Bidder i
- Cost_{lowest} = Lowest Evaluated Bid Price amongst all Responsive Bids
- Technical_Score_i = Technical Score of Bidder i
- Technical_Score_{highest} = Highest Technical Score amongst all Bids

Technical PROPOSAL

Qty.	Description	Minimum Specifications	Qty.	cost	Per unit rate
1.	8MP Network Camera for Outdoor / Boundary wall.	<p>8MP, 4K UHD CMOS image sensor, low luminance, high image definition, Outputs max. 8MP (3840 × 2160) @20 fps and supports 8MP (3840 × 2160) @25/30 fps, H.265 codec, high compression rate, low bit rate, Built-in warm illuminator, and the max. illumination distance: 30 m, ROI, SMART H.264+/H.265+, flexible coding, applicable to various band width and storage environments, Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes, Intelligent detection: Tripwire, intrusion (the three functions support the classification and accurate detection of vehicle and human), Abnormality detection: Motion detection, video tampering, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection, Supports sound and light alarm linkage. When an alarm is triggered, the camera links sound alarm and light flashing Supports one-tap disarming. You can disarm the events of alarm output, sending email, audio, and light in the configured period, Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card, built-in Mic and speaker, 12V DC/Poe power supply, IP67 protection, SMD Plus, Red and blue flashlight alarm,</p>	5		

2.	Providing and fixing of 4 MP Intelligence base Cameras.	4MP, CMOS image sensor, low luminance, high image definition, Outputs max. 4MP (2688 × 1520)@30 fps, H.265 codec, high compression rate, low bit rate, Built-in IR LED, max. IR distance: 50 m, ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments, Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes, Intelligent detection: Intrusion, tripwire, Abnormality detection: Motion detection, video tampering, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection, Supports max. 256 G Micro SD card, built-in Mic, 12V DC/POE power supply, IP67 protection,	80		
3.	Outdoor AI Base 4 MP intelligent Face Detection Cameras.	4Megapixel progressive scan CMOS H.265 & H.264 triple-stream encoding, 25/30 fps@2688 × 1520, 50/60 fps@1080P(1920 × 1080) WDR (140 dB), AI and Intelligent Smart Features, Support face image capture, Support 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Moustache & Beard, Tripwire, intrusion (Recognition of vehicle and people), fast moving, loitering detection, parking detection and people gathering, Support People Counting, Perimeter Protection, Support Line crossing/Region/Queuing people counting; Support 4 accesses independent detection, 4 areas independent detection, Object Abandoned/Missing, Heat	20		

		Map, 2.7 mm–12.0 mm motorized lens, 2/1 Alarm in/out, 1/1 audio in/out Min. IR LEDs Length 60 m, Micro SD memory, IP67, IK10			
4.	Artificial Intelligence base Facial Reorganization Camera.	4MP, CMOS image sensor, low luminance, high image definition, 4MP (2688×1520) @50 fps/60 fps, H.264&H.265 coding, high compression ratio, Alarm: 3 in, 2 out; audio: 1 in, 1 out; RS-485; BNC; supports min. 256 GB SD card, Five streams for three-channel HD video, IP67, IK10 protection grade, 5 streams, Face Recognition, with deep learning algorithm support People Counting, Face Capture, Perimeter Protection and Video Structuration, Professional, intelligent, Face recognition, track, priority, snapshot, face enhancement, face exposure, face attribute extract, 6 attributes and 8 expressions: Gender, age, glasses, expressions (anger, sadness, disgust, fear, surprise, calm, happiness and confusion), mask, beard, Min supports face contrast in face library with 200,000 faces, People Counting, People counting (count the entry number, exit number and pass number), display and output daily/monthly/annual statistics, No. in area, 2.7 to 12mm Motorized Lens 12V DC/24V AC/, IR Distance Minimum 60m , IP67, IK10 protection grade.	2		
5.	Artifice Intelligence License Plate Cameras.	4 MP Full HD Artificial Intelligence ANPR Camera, white light, Embedded with Deep learning LPR Engine, Supports vehicle video detection with high detection rate; supports vehicle direction detection, License plate recognition, vehicle size, vehicle color detection and etc., Supports 11 vehicle sizes detection: large bus, heavy truck, medium	2		

		truck, sedan, minivan, light truck, SUV, MPV, medium bus, pick-up and mini car, Supports 11 colors detection (daytime): white, black, blue, red, yellow, green, pinkish purple, gray, brown, orange and silver. White List (10000 records database inside the camera), H.265& H.264 dual-stream encoding, Micro SD memory, Powerful Standard 10 mm–50 mm motorized lens and white light, ideal for monitor ANPR distance, IP67, and superior performance for outdoor applications, Embedded with LPR algorithm inside the camera, Vehicle data structuring: license plate recognition, vehicle size, vehicle color detection and etc. Illumination Distance 30 m, Min. Illumination, 0.002 lx (built-in illuminator on), Min. Detection Speed 60 km/h (37.28 miles per hour), Alarm Event, Vehicle Detection, Vehicle capture rate ≥ 99%, Vehicle Recognition.			
6.	2MP Network AI IR Bullet Camera.	Max. 2MP resolution, Up to 120fps, 0.007Lux@F1.3, 1/30sec. (Color), 0Lux (B/W, IR LED on), Day & Night (ICR), WDR (120dB), H.265, H.264, MJPEG, Video Analytics based on AI, Object detection and classification (Person, Face, Vehicle, License Plate), Face mask detection, Social distancing detection, Attribute, Best Shot, Compatible Insight v2.0 for Business Intelligence, Age/gender based People counting, Heat map, Queue management, TPM with FIPS 140-2 level2, Secure boot, Verify firmware forgery, System requirements, IP66, IP67, IK10, NEMA4X.	2		
7.	PTZ Speed	8Megapixel STARVIS™ CMOS, Powerful 40x	2		

	Dome Cameras for Outdoor Surveillance.	optical zoom, Starlight+ technology, IR distance up to 500m, Support face recognition, Deep-learning-based auto tracking and perimeter protection, Support metadata, Support Hi-PoE, Smart wiper, ±25% wide voltage input, -40°C~70°C wide temperature range, IP67, Hi-POE, Smart wiper equipped with rain sensor, -30°~90° tilt range			
8.	PTZ Speed Dome Cameras for Outdoor Surveillance.	8Megapixel STARVIS™ CMOS, Powerful 25x optical zoom, Starlight technology, IR distance up to 100 m, Perimeter protection, Face detection, IP66	5		
9.	Micro SD Memory Card	High-quality memory, precise manufacturing, strict inspection ensure high speed and stable performance. High compatibility can meet various user needs when using digital products, such as watching movies, playing games, recording videos, listening to music, and sending files. High-speed transmission of up to 100 MB/s; write speed is up to 60 MB/s. Four types of protection: High and low temperature resistant, waterproof, anti-magnetic, and anti-X-ray; adapt to a variety of environments.	116		
10	Supply of 32 Channel Artifice Intelligence Enabled NVR	320 Mbps input (160Mbps when AI enabled), 16ch 1080P decoding, max 16 IPC input, H.265+&H.264+ 2 HDD, 1 VGA&1 HDMI, 1 RJ45(1000M), 2 USB (1 USB3.0), 16PoE (1-8 Poe supports ePoE&EoC) Up to 4ch video or 16ch pictures stream face recognition, Up to 16ch perimeter protection Up to 4ch metadata (face, vehicle, human body, Non-motor vehicle)	1		
11	Supply of 64	64 Channel AI NVR, Smart	Optional		

	Channel Artifice Intelligence Enabled NVR	H.265+/H.265/Smart,H.264+/H.264/MJPEG, up to 16 Channel perimeter protection, up to 4 Channel video stream face recognition, Up to 24 face pictures /sec processing, up to 20 face databases with 100,000 face images in total, 2 HDMI, 1 VGA Output Ports, Support Multi-screen Display 16MP, 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, Smart H.265+/H.265/Smart H.264+/H.264/MJPEG 320 Mbps Bandwidth 8 SATA III Ports, Up to 8 TB capacity for each HDD ,2 RJ-45 Ports (10/100/1000Mbps)	Rate Required.		
12	Enterprise Network Video Surveillance Recorder.	64-bit High-performance multi-core processor, Max 512-ch IP camera inputs, Max 1024 Mbps incoming/recording/forwarding bandwidth, 24 HDDs, SAS/SATA, Hot-Swap, Supports RAID 0/1/5/6/10/50/60, JBOD, Hot spare, Supports video stream/ Picture direct storage mode and IPSAN storage mode, Supports N+M cluster, Supports Automatic Network Replenishment (ANR), SAS cascade for expanded storage space, Modular and drawer-like design, 1+1 redundant 80PLUS platinum power supply, BBU battery (Optional) for abnormal power failure, 10Gig Fiber Module.	1		
13	Central Management Server.	64 bits 4 Core Processor, Operating System Embedded Linux with 8GB memory, Supports 3.5"chassis with up to 15 hot plug hard drives and extend the storage via ISCSI and SAS/SATA disk intermixing to use, 4 Ethernet Ports (100/1000Mbps) and 3HDMI out ports with GPU decoding, Face recognition cameras Per Server without license, Face library management, Adding face one by one, Import faces in batches., Automatically captures faces in the camera	1		

		field of view Extracts face attribute information from captured face, Real-time face comparison, Generate daily, weekly, monthly attribute report based on the gender and age, Bandwidth of Video Input/output per Server 650 Mbps., Storage Environment Temperature -20°C ~ +70°C, Redundant Power Supply, Embedded device, 7*24 stable operation, Support local storage and IP-SAN storage, Support Google map, Raster Map, Support ONVIF standard protocol, Support platform SDK, Front panel system service status, Support 1000 channels(Support 490 input devices), Support 150 online users, unlimited user management, Support 600M transfer capability, Support 600M local storage capability, Support POS function, Support People counting, Support Heat map, Support Face Recognition, Support ANPR.			
14	Recording Storage Device	Recording Storage Enterprise Grade8 TB	16		
15	Industrial Grade 4K Screen for 24/7 Monitoring.	55"(16: 9) UHD LED monitor, Built-in Android system, LED backlight, 3840×2160, 350cd/m2, 1200: 1 static contrast, 178/178 view angle, 8ms response time, 1.07B/10bit display color, 2×HDMI/USB 3.0/USB 2.0/Audio inputs, headphone Jack, RJ45 output, 2×8W speakers, 1231.6×707.7×62.5mm, 13.5kg.	6		
16	55" FHD Video Wall Display Unit (Ultra-Narrow Bezel0.44mm)	<ul style="list-style-type: none"> • Industrial Level IPS LCD Penal. • Suitable For Extensive 24/7 Continuous Works. • Ultra-narrow 0.88mm Bezel Design (0.44mm Even Penal Bezel) • Diagonal size 5.5" with measurements 54.6" /138.7cm. 	Optional Rate Required.		

		<ul style="list-style-type: none"> • Backlight life time 50000 hours or higher. • Brightness700nit. • Contrast Ratio 1100: 1 • Dynamic C/R 30000: 1. • Viewing Angle H178°, V178° • Response Time 8ms. • Display Color 8bit. • Inputs: Minimum 2x DVI, 2, x HDMI, HDCP. USB. • Installation Mode floor standing Wall Mounted. • Control mode Infrared, Rs 232 Dual mode. • IP rating: IP5X. • Temperature 0°C + 40° C. • With 5 to 10 Meter 4k HDMI cable. • DPU having minimum 04 sockets. • PDU having minimum 04 sockets. • Must be CE / FCC, UL certified model. 			
17	Ultra-HD Network Video Decoder	<p>Standard 2.5U case, elegant appearance, Plug-in board design, easy to use and maintain, H.265+/ H.265/ H.264/ MPEG4/ MPEG2/ MJPEG video decoding, Ultra-high decoding ability, up to 32 Megapixels, 2ch HDMI and 2ch DVI-I input, supports 4K collection, Supports 1/4/6/8/9/16/25/36 and free split, Supports alarm, RS232, RS485 Splicing screens control for zoom/merge/roam/overlay, Supports redundant power, stable and reliable</p> <p>12ch@12M/12ch@4K / 20CH@500M/48ch@1080P / 108CH@720P/192ch@D1 decoding, 12×HDMI outputs, 2×HDMI/2×DVI-I inputs</p>	1		

18	Multi-Screen Controller	Multi-screen Video Controller ,ATCA industry box, 10 service card slots, every slot supports various service card, Redundant power optional and smart temperature controlled fan, FPGA array framework, built in ultrahigh bandwidth switch matrix, high image processing capacity, flexible data exchange, PCI-E bus, high system bandwidth, Window Division Supports 1/4/9/16 window division modes and full-screen switch of the window ,Input support Up to 8 kinds of signal sources are supported, including VGA, DVI, HDMI, BNC, SDI, and IP camera input ,Power supply Redundant (1+1), Hot Swappable . Output with decoding card, Input with 4k Card complete in all aspects.	Optional Rate Required.		
19	input and OUTPUT	4K INPUT Decoding Card with 4K Resolutions with minimum 04 Ports.	Optional Rate Required.		
20	input and OUTPUT	4K OUTPUT Card with 4K Resolutions with minimum 04 Ports.	Optional Rate Required.		
21	Base for Screens.	Base for Screens. Aluminum Good Quality Base, for Each Screen.	Optional Rate Required.		
22	Bracket for Screens	Bracket for Screens. Aluminum Good Quality Base, for Each Screen.	6		
23	Computer Core i7, 11 th Generation All in one PC.	Computer Core i7, 11th Generation, 16 GB RAM, 4 GB Dedicated Nvidia Graphic Card or Better, Mouse & Keyboard, DOS,	2		
24	L3 + Managed Core / aggregation	L3 + MANAGED CORE/ AGGRIGATION SWITCH @ 16×1 GB SFP PORTS @ 4×10 GB SFP PORTS	Optional Rate Required.		

	Switch (Control room)	<p>@ 8 × 1 GB ETHERNET PORT.</p> <ol style="list-style-type: none"> 1. Switching Capacity minimum 560 Gbps. 2. Packet Forwarding Rate minimum 120 Mpps. 3. Packet Buffer Size 1.3Mbyte. 4. Ethernet Port Speed 10/100/1000 Mbps. 5. MAC Table size 14K. 6. IPv4 Routes 10K Dynamic ARP 4K. 7 Rack mount. 8. Rack mount. 			
25	24 Port Gigabit High-performance Ethernet Switches Layer 3 for Main Control Room.	High Performance Gigabit Control Room Switch, High Scalability, High Availability, , 24 x 100/1000Base-X optical port , (8 x Combo port), 4 x 10G BASE-X SFP+ optical port, 256 Gbit/s Switching Capacity, Packet forwarding rate 96Mpps, VLAN, Link Aggregation, IP Routing, ,Ring Supported, High End Security & Management Features, IRF2, Complete Security Control Policies, Diversified QoS Policies, Environment Friendliness and Energy Saving.	1		
26	16 Port Long Distance Industrial Grade POE Network Managed Gigabit Switch including Industrial Grade Power Supply	Fast/Gigabit Ethernet 16GE PoE, SFP Slots 4GE SFP, Switching Capacity 54Gbps, Packet Forwarding Rate 28.28Mpps, PoE Budget 220~ 240W, VLAN Support, Link Aggregation Support, Flow Control Support, Spanning Tree Support, Management Web, Lightning Protection 6KV, Working Temperature -40°C ~ +75°C (-40°F~+167°F), Long Distance PoE Transmission Minimum 250 meters), PoE Watchdog.	Optional Rate Required.		
27	08 Port Industrial Grade POE Network Managed	8 Ports Industrial Full Gigabit Poe Managed Switch, Provide 8* 10/100/1000Base-T Ethernet ports (Poe) + 2* 1000BASE-X SFP Ports, Support 4K high-definition video transmission; Poe Function: support	Optional Rate Required.		

	Gigabit Switch with 2 SFP Ports Industrial Grade Power Supply	IEEE802.3af/at standard, each port supports up to 60W Poe Output; Support Web-based network management, support VLAN, QoS, RSTP, SNMP, Support IGMP Snooping etc. network function; Support 4K VLAN, Support 802.1Q Protocol-Based VLAN, Support Port-Based VLAN; Support Fast Ring as redundant link Support relay alarm for power off, network broken, PoE off, 6KV surge immunity, 8KV ESD Protection and anti-interference ability; -40°C~75°C working temperature Support redundant Power Supply, Rail/Rack kit Fitting CE、FCC、ROHS Certified, Switching Capacity 28Gbps ,Packet Forwarding Rate 14.88Mpps , PoE Budget 110~120W ,VLAN Support , Link Aggregation Support , Flow Control Support , Spanning Tree Support , Management Web , Lightning Protection 6KV , Working Temperature -40°C ~ +75°C, Long Distance PoE Transmission 250 meters, PoE Watchdog Support			
28	HD Network Control Keyboard for PTZ Cameras.	HD Network Control Keyboard, Screen 10" TFT LCD touch screen, Keyboard to Control, 2×RJ-45 port (10/100/1000M), Four-Dimensional Joystick Control of PTZ Functions, Support 4K decoding live view, Support Video-Wall display control, support bidirectional talk, Preset Position, Auto Scan, Auto Pan, Auto Tour & Pattern Control.	1		
29	CAT-6 Network Cable in Feet.	CAT-6 Network Cable in Meter Good Quality Duct / U-PVC, / Conduit including the RJ-45 Connectors. Support Poe long-distance transmission; Excellent OFC with 99.99% OFC (oxygen free copper) purity; Environmentally-friendly outer sheath; Top-notch quality guarantee for 10 years	20,000		

30	Optical fiber cable in Feet.	24 core optical fiber cable in Good Quality Duct / U-PVC, / Conduit including Splicing, Patch Cord, Pigtail and Related installation accessories.	01		
31	ODDF	ODDF rackmount 24 Port with accessories of OFC related.	1		
32	ODDF	ODDF rackmount 12 Port with accessories of OFC related.	Optional Rate Required.		
33	SFP	Gigabit SFP Fiber Module	Optional Rate Required.		
34	IT Rack 42U	Floor Standing, Perforated Dual Compartment Door, 2 Fixed Tray and 1 sliding tray, 4 Fans, Fan kit and PDU, Compatible to cater all accessories as per the CCTV design.	Optional Rate Required.		
35	Weather Proof Rack	Weather Proof Rack/ Edge DB Box to inbuilt, Poe switch, Circuit Breaker, PDU, ODF etc.	Optional Rate Required.		
36	Power Cable in Feet	2.5 mm 2 Core Power Cable in Feet including pure copper above than 99%	500		
37	Power Backup Brand	Power Backup APC, Emerson, DP or Equal ONLINE Branded 10 kVA, 0.8 PF Long Backup UPS up to 2 Hrs. on 80% with 40 ah x20 batteries.	1		
38	Poles	Poles for Fixed Cameras 05 Feet with, Base, Civil Work complete in all aspects.	5		
39	Poles	Poles for PTZ and Fixed Cameras 10~15 Feet with, Base, Civil Work complete in all aspects.	3		
40	Water-proof Imported Junction Box for Camera Mount	Aesthetic design, Material: aluminum, junction box	120		
41	HDMI Cable	HDMI Cable 10 Meter 4K Supportive.	10		

42	Main Control Room equipment supply and Installation with configuration of mentioned equipment	State of the ART Main Control Room for Screen with installation of LED and other related Accessories. State of the ART Wood Paneling of complete room Tiles for complete room. Gypsum State of the art Ceiling. Electrification work with lighting 2 Ton AC X 02 3 Chair and Counter Table for control the display unit. And installation accessories	1		
43	Attendance with Lock.	Visible Light Facial device for Time Attendance and Access Control with standard feature and EM Card, EU Apatow, 10000 face, 10000 Finger, 10000 RFID and 1000000 Transaction Memory, Linux Based, with Magnetic Lock 600 Lbs./Built-in Magnetic Contact, PUSH Button and Carpenter work.	1		
44	Digging in Feet with Civil Work	Lying of OFC, UTP Cable, lying of Power Cable, Including Civil Work.	Optional Rate Required.		
45	Services Work in meter.	Lying of OFC, UTP Cable, lying of Power Cable,	1		
46	PDU	Power Distributions Unit	4		
47	Control Room Breaker 100 Ampere.	Control Room Breaker 100 Ampere.	2		
48	DBS Breaker 20 Ampere.	DBS Breaker 20 Ampere. Double pole 20 Amp	6		
49	Breaker 06 Ampere.	Double pole 06 Amp	10		
50	Splicing	Per single core Splice with ODF installation	Optional		
51	Installation / Commissioning	Relevant Installation / Commissioning Configuration Services for quoted equipment (CAT-6, Power Cable, Fiber etc.) / store with 2-year OEM and Firm official warranty of end-to-end solutions.	1		

CONTRACTOR

Conditions for Blacklistment of Defaulted Bidder/Contractor under rule 44 of KPPRA Rules 2014

The following are the events, which would lead to initiate (Rule 44 of KPPRA Rules 2014) blacklisting/debarment process;

- a. Consistent failure to provide satisfactory performances.
- b. Found involved in corrupt/fraudulent practices.
- c. Abandoned the place of work permanently

Conditions for debarment of Defaulted Bidder/Contractor

- I. Failure or refusal to;
- II. Accept Purchases Order / Services order terms;
- III. Make supplies as per specifications agreed;
- IV. Fulfill contractual obligations as per contract
- V. Non execution of work as per terms & condition of contract.
- VI. Any unethical or unlawful professional or business behavior detrimental to good conduct and integrity of the public procurement process.
- VII. Persistent and intentional violation of important conditions of contract.
- VIII. Non-adherence to quality specifications despite being importunately pointed out.
- IX. Security consideration of the State i.e., any action that jeopardizes the security of the State or good repute of the KHYBER COLLEGE OF DENTISTRY Peshawar.

Procedure for blacklistment and debarment

1. Competent authority of KHYBER COLLEGE OF DENTISTRY may on information, or on its own motion, issue show cause notice to the bidder.
2. The show because notice shall contain the statement of allegation against the Bidder.
3. The bidder will be given maximum of seven days to submit the written reply of the show cause notice.
4. In case the bidder fails to submit written reply within the requisite time, the competent authority may proceed forth with ex-parte against the bidder.
5. Direct to issue notice of personal hearing to the bidder/ authorized representative of the bidder and the competent authority shall decide the matter on the basis of available record and personal hearing, if availed.
6. The competent authority shall decide the matter within thirty days from the initiation of proceedings.
7. The order of competent authority shall be communicated to the bidder by indicating reasons.
8. The order past as above shall be duly conveyed to the PKPRA and defaulting bidder within three days of passing order.
9. The duration of debarment may vary up to five years depending upon the nature of violation.

8. REDRESSING OF GRIEVANCES

- a. The purchaser shall constitute a committee comprising of disagreed & notified by the competent authority proper powers and authorizations to address the complaints of bidders that may occur prior to the entry into force of the procurement contract.
 - b. Any bidder feeling aggrieved by any act of the purchaser after the submission of his bid may lodge a written complaint concerning his grievances not later than 03 days after the announcement of the bid evaluation report.
 - c. The grievance redressed Officer shall investigate and decide upon the complaint within 06 days of the receipt of the complaint. The report along with decision shall be forwarded to the purchaser officer within the prescribed period.
 - d. Mere fact of lodging of a complaint shall not warrant suspension of the procurement process.
9. Note: Grievance notified & designated who can invite appropriate official as co-opted member for grievance.

10. AWARD OF CONTRACT:

Contracts shall be confirmed through a written agreement signed by the successful bidder and the KCD Peshawar.

11. PAYMENT:

- a. No advance payment will be permissible.
- b. The payment will be made after successful supply, installation/inspection and test run of all requisite items.