

TENDER DOCUMENT (SPECIFICATION OF ITEMS)

Sealed tenders are invited from registered firms/suppliers for supply/fixing/installation of the following for District Judiciary, Karak.

Sr. #	Item Name	Item Specification	Quantity
1.	CCTV Complete System	1. Dome Camera - 8 MP WDR Vari-focal Network Dome Camera with 10 Meter Pole, 1/2.5" Progressive Scan CMOS, 3840 × 2160 resolution, H.265, H.265+ 120dB WDR, IP67, IK10, BLC/3D DNR/ROI, Smart encoding: Support low bit rate, low latency, 4 behavior analyses and face detection, Day & Night IR Cut Filter, 3-Axis Adjustment Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°, IR Range Up to 30 m, FOV Horizontal field of view: 115° to 35°, Vertical field of view: 60° to 19°, Diagonal field of view: 146° to 38.5°, Behavior Analysis Line crossing detection, intrusion detection, unattended baggage detection, object removal detection, Exception Detection Scene change detection, Hikvision OR Equivalent.	2x
		2. Indoor Camera - 2 MP IR Fixed Turret Network Camera, 1/2.7" Progressive Scan CMOS, 1920 × 1080@30fps, 2.8/4 mm fixed lens, Color: 0.01 Lux @ (F1.6, AGC ON), 0 Lux with IR, H.265+, H.265, H.264+, H.264, BLC/3D DNR/ROI, IR range: Up to 30 m, 3-Axis adjustment, Communication Interface 1 RJ45 self-adaptive Ethernet port, Max. Resolution 1920 × 1080 Main Stream 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720), 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) Image Enhancement BLC, 3D DNR, Hikvision OR Equivalent.	27x
		3. Outdoor Camera - 2 MP ColorVu Lite Fixed Bullet Network Camera, High quality imaging with 2 MP resolution, Excellent low-light performance, Efficient H.265+ compression technology, Water and dust resistant (IP67), 24/7 colorful imaging, Simultaneous Live View Up to 6 channels, Basic Event Motion detection, exception (illegal login), White Light Range Up to 30 m, Main Stream 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720), 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) Hikvision OR Equivalent.	25x
		4. 32-ch 1.5U 4K NVR, Up to 32-ch IP camera inputs, H.265+/H.265/H.264+/ H.264 video formats, Up to 2-ch@8 MP/4-ch@4 MP/8-ch@1080p decoding capacity, Up to 256 Mbps incoming bandwidth, Video Output Mode, HDMI/VGA independent output, Hikvision OR Equivalent.	2x
		5. 4TB Surveillance hard disk for DVR/ NVR Seagate SkyHawk OR Equivalent.	2x
		6. 8 Port Gigabit Ethernet Smart POE Switch Cisco OR Equivalent.	6x
		7. 4 Port Gigabit Ethernet Smart POE Switch. Cisco OR Equivalent.	10x
		8. USB Keyboard, Flexible 4-axis joystick, (3-axis control, rotating zoom) Hikvision or Equivalent.	1x
		9. CAT – 6 SFTP 23 AWG Pure Copper with PVC Pipe/Duck Patti BAYNET OR Equivalent. (Bundle)	8x
		10. Installation, Testing & Commissioning etc of all the above items.	
2.	Server System and Network	Tower Server Technical Specification: Up to two 2nd Generation Intel® Xeon® Scalable processors, up to 28 cores per processor, 16 DDR4 DIMM slots, Supports RDIMMs/LRDIMMs, speeds up to 2666MT/s, 1TB* max, Supports registered ECC DDR4 DIMMs only Internal controllers: PERC H330, H730P, H740P, HBA330, Software RAID (SWRAID) S140 Boot Optimized Storage Subsystem: HWRAID 2 x M.2 SSDs 120GB, 240 GB External PERC (RAID): H840, External HBAs (non-RAID): 12 Gbps SAS HBA, Up to 4 or 8 x 3.5" SAS/SATA (HDD/SSD) max 96TB or up to 16 x 2.5" SAS/SATA (HDD/SSD) max 61TB, Open Manage integrations: Microsoft® System Center, VMware® vCenter™, BMC Software, TPM 1.2/2.0 optional Cryptographically signed firmware, Silicon Root of Trust Secure Boot, System Lockdown, System Erase DELL OR Equivalent. System Specification: Intel Xeon Silver 4208 2.1G, 8C/16T, 9.6GT/s, 11M Cache, Turbo, HT (85W) DDR4-2400. Memory 32GB RDIMM 3200MT/s. Storage: 2TB 7.2K RPM SAS 12Gbps 512n 3.5in Hot-plug Hard Drive, 2TB (3x) PCIe Gen 3x4 M.2 2280SSD. RAID/ Internal Storage Controllers: HBA350 Adapter FH.	1x
		1. 32 GB USB Flash Drive 3.1 or 3.2 SanDisk Extreme Pro OR Equivalent.	1x

	2. CAT-6 SFTP 23 AWG Pure Copper BAYNET OR Equivalent. (Bundle)	3x
	3. RJ45 CAT6E Lan I/O Network Keystone Jack, Gang Box and Face Plate	25x
	4. 4-Port Gigabit Switch Cisco OR Equivalent.	4x
	5. 8-Port Gigabit Switch Cisco OR Equivalent.	4x
	6. Networking Tool Kit (15 in 1 - RJ45 Crimper Tool Cat 5/Cat6 Cable Tester, Gauge Wire Stripper Cutting Twisting Tool, Ethernet Punch Down Tool, Screwdriver, Knife).	1x
	Installation, Testing & Commissioning etc of all the above items.	
	Note: These are estimated items for Network for CFMIS at sub-division Banda Daud Shah and can be varied/change later, if required/necessary. Bidder is required to conduct site visit/survey for CCTV at Headquarter Karak and for Networking at Sub-Division BD Shah and submit diagram/sketch for CCTV and Networking.	



TUFAIL AHMAD
ADSJ – II, Karak/Chairperson,
Procurement Committee

BILL OF QUANTITIES FOR CCTV COMPLETE SYSTEM				
A.	B.	C.	D.	E.
Sr. #	Item Description	Item Quantity	Item/Qty/ Unit Rate (Rs.)	Total Amount (Rs.) (Column C x D)
1.	Dome Camera	2x		
2.	Indoor Camera	27x		
3.	Outdoor Camera	25x		
4.	32 Channel NVR	2x		
5.	4TB Surveillance hard disk	2x		
6.	4 Port Gigabit Switch	6x		
7.	8 Port Gigabit Switch	10x		
8.	USB Keyboard, Flexible 4-axis joystick, (3-axis control, rotating zoom)	1x		
9.	CAT – 6 SFTP 23 AWG Pure Copper with PVC Pipe/Duck Patti. (Bundle)	8x		
10.	Installation, Testing & Commissioning etc of all the above items.			

Total Amount in Rupees:	
Note: Following information is to be provided by the bidder, otherwise bid shall be declared as non-responsive. (Must be duly supported by evidence of exemption.)	
Amount Exempted from Federal GST (PKR)	
Amount Chargeable to % Federal (FBR) Sales Tax on Goods (PKR)	
Federal (FBR) Sales Tax on Goods @ % (PKR)	
Amount Chargeable to % Provincial (KPRA) Sales Tax on Service (PKR)	
Provincial (KPRA) Sales Tax on Services @ % (PKR)	
Any other applicable Tax	
Total Amount (Rs):	

**Engineer Incharge / Authorized Person
with Seal**

**Contractor
With Seal**

[Note: 1. Agreement, contract, and installation shall be awarded to the lowest bidder (lowest in total amount) in the above-mentioned specifications as per the satisfaction of procurement committee. (Price shall not be considered per item)].

BILL OF QUANTITIES FOR CFMIS				
A.	B.	C.	D.	E.
Sr. #	Item Description	Item Quantity	Item/Qty/ Unit Rate (Rs.)	Total Amount (Rs.) (Column C x D)
1.	Tower Server	1x		
2.	32 GB USB Flash Drive	1x		
3.	CAT-6 SFTP 23 AWG Pure Copper (Bundle)	3x		
4.	RJ45 CAT6E Lan I/O Network Keystone Jack, Gang Box and Face Plate	25x		
5.	4 Port Gigabit Switch	4x		
6.	8 Port Gigabit Switch	4x		
7.	Networking Tool Kit (15 in 1 - RJ45 Crimper Tool Cat 5/Cat6 Cable Tester, Gauge Wire Stripper Cutting Twisting Tool, Ethernet Punch Down Tool, Screwdriver, Knife).	1x		
9.	Installation, Testing & Commissioning etc of all the above items.			

Total Amount in Rupees:	
Note: Following information is to be provided by the bidder, otherwise bid shall be declared as non-responsive. (Must be duly supported by evidence of exemption.)	
Amount Exempted from Federal GST (PKR)	
Amount Chargeable to % Federal (FBR) Sales Tax on Goods (PKR)	
Federal (FBR) Sales Tax on Goods @ % (PKR)	
Amount Chargeable to % Provincial (KPRA) Sales Tax on Service (PKR)	
Provincial (KPRA) Sales Tax on Services @ % (PKR)	
Any other applicable Tax	
Total Amount (Rs):	

**Engineer Incharge / Authorized Person
with Seal**

**Contractor
With Seal**

[Note: 1. Agreement, contract, and installation shall be awarded to the lowest bidder (lowest in total amount) in the above-mentioned specifications as per the satisfaction of procurement committee. (Price shall not be considered per item)].