Technical specification for CCTV Equipment

for

MCHC building Ayub Teaching Hospital Abbottabad

Sr. #	Description	Specifications	Per Item Rate	Quoted Rated
1	Indoor & Outdoor Cameras.	8MP, 4K UHD, high image definition, Outputs max. 8MP (3840 × 2160, H.265 codec, high compression rate, low bit rate · Built-in IR LED, 30 m , 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, and voltage detection , Alarm: 1 in, 1 out , Supports max. 256 G Micro SD card, built-in Mic, 12V DC/Poe power supply IP67 protection.	1	
2	8MP Full-color Active Deterrence Network Camera	8MP, 4K UHD CMOS image sensor, low illuminance, 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,	1	
3	Indoor Vari- focal Network Camera	5MP, CMOS image sensor, low luminance, and high image definition. Outputs max. 5MP (2592 × 1944) @20 fps, and supports 4MP (2688 × 1520) @25/30 fps H.265 codec, high	1	

		compression rate, low bit rate, Built-in IR LED, max. IR distance: 40 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 (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, voltage detection Supports max. 256 G Micro SD card, built-in Mic, 12V DC/POE power supply, IP67 protection, SMD Plus.	6.	
4	Outdoor 4 MP intelligent Cameras	4Megapixel progressive scan CMOS H.265 & H.264 triple-stream encoding, 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 Map, 2.7 mm–12.0 mm motorized lens, 2/1 Alarm in/out, 1/1 audio in/out Max. IR LEDs Length 50 m, Micro SD memory, IP67, IK10	1	
5	Outdoor 12 MP intelligent Cameras for high end coverage,	12MP (4000 × 3000) @25/30 fps, H.265 codec, high compression rate, ultra-low bit rate, IR distance: 50 m Rotation mode, DWDR; 3D DNR, HLC, BLC, digital watermarking, ROI, SVC, SMART H.264+/H.265+, flexible coding, Perimeter Protection , Abandoned object; missing object, Face Detection , Video Metadata , ANPR , People Counting , Queue Management, Alarm: 3 in, 2 out; audio: 1 in, 1 out; RS-485; BNC; supports max. 256 G SD card, 24V	1	

•		AC/12V DC/Poe power supply, IP67, IK10 protection, Five		
		streams for three-channel HD video		
6	Artifice	4MP, CMOS image sensor, low luminance, high image	1	
	Intelligence	definition, 4MP (2688×1520) @50 fps/60 fps, H.264&H.265		
	base Facial	coding, high compression ration, Alarm: 3 in, 2 out; audio: 1		
	Reorganization Camera.	in, 1 out; RS-485; BNC; supports max. 256 GB SD card, Five		
	Camera.	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, Max 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 50m , IP67, IK10		
		protection grade.		
7	Artifice	2MP Full HD Artificial Intelligence ANPR Camera, white	1	
	Intelligence	light, Embedded with Deep learning LPR Engine, Supports		
	License plate Cameras.	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		
		truck, sedan, minivan, light truck, SUV, MPV, medium bus,		
		pick-up and minicar, 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 2.7-13.5mm		

		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.		
8	Mini IR PTZ	1/2.8" STARVIS™ CMOS, Powerful 4x optical zoom	1	
	Network	Support Triple-streams encoding, WDR, Day/Night(ICR),		
	Camera	Ultra DNR, Max. 25/30fps@1080P		
		IVS, Support Poe, IR distance up to 30m with Built-in Mic		
9	Mini PTZ	4MP, 25/30fps@4M, Deep-learning, Pro AI performance:,	1	
	Cameras for	Perimeter protection, Video Structuralization, 25x optical		1. 2. 1 . 1
	Nursery.	zoom, SMD, Starlight, H.265 , PFA Technology, IR Distance		
		up to 100m, -40°C~70°C wide temperature range, IP66,		
		POE+, -15°~90° tilt range,		
10	4x2MP Multi-	4x2MP Multi-Sensor Panoramic progressive scan CMOS,	1	
	Sensor	H.265/H.264 triple-stream encoding, Max 25fps@4096x1800,		
	Panoramic	Support 180-degree panoramic view, Day/Night(ICR), 3DNR,		
	Network IR	AWB, AGC, BLC, Smart detection, Intelligent Function, Max.		
	Bullet Camera	IR LEDs length 30m, Micro SD memory, IP67, IK10,PoE+		
11	PTZ Speed	4Megapixel 45x optical zoom, Max. 25/30fps@4MP, Deep-	1	
	Dome Cameras	learning-based auto tracking and perimeter protection, IR		
	for Outdoor	distance up to 250m, IP67, IK10, Operating Temperature: -		
S	Surveillance.			
		40°C~+70°C, Smart detection / Video Analytics:, Support		
		40°C~+70°C, Smart detection / Video Analytics:, Support human, motor vehicle and non-motor vehicle image		
		human, motor vehicle and non-motor vehicle image		
		human, motor vehicle and non-motor vehicle image capture, Support alarm triggering by target types (human		
		human, motor vehicle and non-motor vehicle image capture, Support alarm triggering by target types (human And vehicle), Filtering out false alarms caused by animals,		
		human, motor vehicle and non-motor vehicle image capture, Support alarm triggering by target types (human And vehicle), Filtering out false alarms caused by animals, rustling leaves, bright lights, etc., Support Auto Tracking,		
12	Supply of 32	human, motor vehicle and non-motor vehicle image capture, Support alarm triggering by target types (human And vehicle), Filtering out false alarms caused by animals, rustling leaves, bright lights, etc., Support Auto Tracking, Tripwire, Intrusion, Object missing, Object Abandoned, Face	1	
12		human, motor vehicle and non-motor vehicle image capture, Support alarm triggering by target types (human And vehicle), Filtering out false alarms caused by animals, rustling leaves, bright lights, etc., Support Auto Tracking, Tripwire, Intrusion, Object missing, Object Abandoned, Face Detection etc.	1	
12	Supply of 32 Channel Artifice Intelligence	human, motor vehicle and non-motor vehicle image capture, Support alarm triggering by target types (human And vehicle), Filtering out false alarms caused by animals, rustling leaves, bright lights, etc., Support Auto Tracking, Tripwire, Intrusion, Object missing, Object Abandoned, Face Detection etc. 32 Channel AI NVR	1	
12	Supply of 32 Channel Artifice	human, motor vehicle and non-motor vehicle image capture, Support alarm triggering by target types (human And vehicle), Filtering out false alarms caused by animals, rustling leaves, bright lights, etc., Support Auto Tracking, Tripwire, Intrusion, Object missing, Object Abandoned, Face Detection etc. 32 Channel AI NVR Smart H.265+/H.265/Smart	1	
12	Supply of 32 Channel Artifice Intelligence	human, motor vehicle and non-motor vehicle image capture, Support alarm triggering by target types (human And vehicle), Filtering out false alarms caused by animals, rustling leaves, bright lights, etc., Support Auto Tracking, Tripwire, Intrusion, Object missing, Object Abandoned, Face Detection etc. 32 Channel AI NVR Smart H.265+/H.265/Smart H.264+/H.264/MJPEG	1	

·		up to 20 face databases with 100,000 face images in total		
		2 HDMI, 1 VGA Output Ports		and the second
		Support Multiscreen Display		
		16MP, 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P		
τ.		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)		
13	Network Video	128-channel IP video access, Industry embedded micro-	1	
	Surveillance Recorder	controller, Incoming bandwidth: 512Mbps		
		Recording bandwidth: 400Mbps		factor and
		Outgoing bandwidth: 512Mbps Human Face Properties		
		Supports 6 properties: Gender, age range, glasses,		
		expression, mouth mask, and beard Face detection, face		
		recognition, video metadata, IVS (tripwire, intrusion,		
		missing object, and more), People counting, smoking		
		detection, call detection		
		Resolution16MP/12MP/8MP/6MP/5MP/4MP/3MP 1080P/960P/720P/D1/CIF/QCIF Face detection, face recognition, video metadata, IVS (tripwire, intrusion, missing object, and more), people counting, smoking detection, call detection Face detection, face recognition, video metadata, (tripwire, intrusion, missing object, and more), People counting, smoking detection, call detection, perimeter protection, faces recognition with normal Cameras, and face recognition with face detection Cameras. video metadata, face databases with 300,000 face pictures in total , Supports RAID 0/1/5/6/10, 3 HDMI/2 VGA video output, , H.265 & H.264, 8 HDD, 2 VGA&3 HDMI, 4 RJ45(1000M), 4 USB(2USB3.0), RAID0/1/5/6/10,		
14	Central	Main Processor Intel i5, 64 bits 4 Core Processor, Operating	1	
	Management Server.	System Embedded Linux with 8GB memory, Supports		
	Server.	3.5" chassis with up to 15 hot plug hard drives and extend		in second second
		the storage via ISCSI and SAS/SATA disk intermixing to use,		
		4 Ethernet Ports (100/1000Mbps) and 3HDMI out ports		
		with GPU decoding, System should be capable to Face		
		recognition cameras Per Server without license, System		

•		must be capable to add Face library management, Adding		
		face one by one, Import faces in batches., Automatically		
		captures faces in the camera field of view Extracts face		
		attribute information from captured face, Real-time face		1.3-34
		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 can displays system service status, Support		
		1500 channels(Support 450 input devices), Support 150		
		online users, unlimited user management, Support 650M		
		transfer capability, Support 650M local storage capability,	,	
		Support POS function, Support People counting, Support		
		Heat map, Support Face Recognition, Support ANPR.		
15	Recording	Recording Storage Enterprise Grade	1	
	Storage Device	8 TB		
16	Video Wall	55" FHD Video Wall Display Unit, Industrial level IPS LCD	1	
	Display Unit	panel, suitable for extensive 24/7 continuous works ,Ultra-		
	Ultra Narrow	narrow 1.8mm bezel-to bezel design (0.9mm even panel	2	
	Bezel	bezel)Brightness/Luminance 700 cd/m ² /nits, Response Time		
		8ms, Display Color 10bit(1.07B),Video Wall structure Wall		
		mount ,LCD Technology IPS ,Color 10Bit , 1.06 Billion Colors		
		,Response time 8 ms ,Contrast ratio (typical) 4000:1		
		Viewing Angle H178°, V178 ,LCD backlight lifetime		
		50,000hrs or more Input VGA, DVI, BNC, HDMI ,Output		
		VGA, DVI, BNC ,Power Supply AC100V~AC240V, 50/60 H		
17	Inductrial Crede	Certifications CE/FCC etc.		
17	Industrial Grade Display Unit for	55"(16: 9) UHD LED monitor, Built-in Android system, LED	1	
	24/7	backlight, 3840×2160, 350cd/m2, 1200: 1 static contrast,		
	Surveillance	178/178 view angle, 8ms response time, 1.07B/10bit display		

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		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		
18	Multi-Screen	Multi-screen Video Controller ,ATCA industry box, 10	1	
	Controller	service card slots, every slot supports various service card,		
		Redundant power optional and smart temperature		1
		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.		
19	Base for	Aluminum Good Quality Base, for Each Screen.	1	
	Screens.			
20	Bracket for	Aluminum Good Quality Back Bracket, for Each Screen.	1	
	Screens.		16:12	
21	PC for Cameras	Intel® 9th Generation Core i7- Processor 12MB Cache or	1	
	Monitoring and	Better • 2GB Dedicated Nvidia Graphic Card or Better • 8GB		
	Management.	DDR4 RAM • 1TB HDD • Intel Gigabit Ethernet, Keyboard,		
		Mouse.		
22	24 Port Gigabit	High Performance Gigabit Control Room Switch, High	1	
	High-	Scalability, High Availability, , 24 x 100/1000Base-X optical		
	performance Ethernet	port , (8 x Combo port), 4 x 10G BASE-X SFP+ optical port,		
	Switches Layer	256 Gbit/s Switching Capacity, Packet forwarding rate		
	3 for Main	96Mpps, VLAN, Link Aggregation, IP Routing, ,Ring		
	Control Room.	Supported, High End Security & Management Features,		
		IRF2, Complete Security Control Policies, Diversified QoS		
		Policies, Environment Friendliness and Energy Saving		
23	16 Port Gigabit	Fast/Gigabit Ethernet, 16GE Poe, Poe SFP Slots, 2GE SFP,	1	
	POE Switch.	Switching Capacity, 52Gbps		
	1			<u> </u>

		Packet Forwarding Rate, 23.81MppPacket Buffer Memory,		
		4Mb MAC Table Size, 8K PoE Standard, PoE (802.3af), PoE+		
		(802.3at), Hi-PoE, PoE Budget, 240W Long PoE		
		Transmission, Support of VLAN, Link Aggregation, Flow		
		Control, Spanning Tree, Management Web, Lightning		
		Protection, Mode 2KV , Working Temperature -10°C~55°C		
24	08 Port	8 Ports Industrial Full Gigabit Poe Managed Switch	1	
	Industrial Grade	Provide 8* 10/100/1000Base-T Ethernet ports (Poe) +		
	POE Network	4* 1000BASE-X SFP Ports, Support 4K high-definition video		
	Managed	transmission; PoE Function: support IEEE802.3af/at		
	Gigabit Switch with 4 SFP	standard, each port supports up to 60W PoE Output;		
	Ports.	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		
25	HD Network	HD Network Control Keyboard, Screen 10" TFT LCD touch	1	
	Control Keyboard for	screen, Keyboard to Control, 2×RJ-45 port (10/100/1000M),		
	PTZ Cameras.	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.	42.50	
26	CAT-6 Network	CAT-6 Network Cable	Per	
	Cable	Support Poe long-	feet	
		distance transmission; Excellent OFC with 99.99%		

		OFC(oxygen free copper) purity; Environmentally-friendly		
		outer sheath; Top-notch quality guarantee for 10 year		
27	Optical fiber	12 core optical fiber cable in Good Quality including Splicing,	Per	
	cable	Patch Cord, and Pigtail and Related installation accessories.	feet	
28	Power Cable	2.5 mm 2 Core Power Cable in Feet pure copper above than	PRFT	
		99%		
29	PVC PIPE (A+	Unplasticized UPVC PIPE, Socket, Bend Conduit Pipe 3/4 inch	01	
	Quality)	with Accessories.		
30	PVC PIPE (A+	Unplasticized PVC PIPE, Socket, Bend Conduit Pipe 1 inch with	01	
	Quality)	Accessories,		
31	PVC PIPE (A+	Unplasticized PVC PIPE, Socket, Bend Conduit Pipe 1.5 inch	01	
	Quality)	with Accessories,		
32	PVC PIPE (A+	Unplasticized PVC PIPE, Socket, Bend Conduit Pipe 2 inch	01	
	Quality)	with Accessories,		
33	PVC DUCT (A+	Duct 16X25 with Accessories.	01	
34	Quality) PVC DUCT (A+	Duct 16X38 with Accessories.	01	
	Quality)			
35	PVC DUCT (A+ Quality)	Duct 25X25 with Accessories.	01	
36	OFDF	OFDF 24 Port Full Loaded with accessories of OFC related.	1	
37	OFDF	OFDF 08 Port Full Loaded with accessories of OFC related.	1	
38	SFP	Gigabit SFP Fiber Module (Good Quality)	1	
39	IT Rack 42U	Floor Standing, Perforated Dual Compartment Door, 2 Fixed	1	
		Tray and 1 sliding tray, 4 Fans, Fan kit and PDU, Compatible to		
		cater all accessories as per the CCTV design.		
40	Weather Proof	Weather Proof Rack/ Edge DB Box to inbuilt, Poe switch, ,	1	
	Rack	Circuit Breaker, , PDU , ODF etc.		
41	Power Cable	2.5 mm 2 Core Power Cable in Feet including Civil work pure	1	
		copper above than 99%		
42	Power Backup	ONLINE Branded 10 kVA, 0.8 PF Long Backup UPS with up to	1	
		4 Hrs. on 80% load.		
43	Poles	Galvanized Poles for Cameras 10 Feet with, Base, Civil Work	1	
		complete in all aspects.		
44	Water-proof	Aesthetic design, Material: aluminum / PVC, junction box	1	
	Junction Box For			
	Camera Mount		- / -	

45				
45	HDMI Cable	HDMI Cable 10 Meter 4K Supportive.	1	
46	Main Control Room	Wood Paneling, 2 Ton AC, 2 Chair and Counter Table, with	1	
	Installation	installation accessories,		
47	Digging and Road Cutting.	Lying of OFC, UTP Cable, lying of warning tape, backfilling,	1	
	Road Cutting.	Installation of route indicators.		
48	Control Room	Earthing of Control Room Equipment.	1	
	Earthing			
49	Visible Light	Visible Light Facial Recognition multi-biometric identification		
	Facial	terminal, Silk ID fingerprint Device. Face detection and facial		
	Recognition	recognition from 0.5m to 3m with Magnetic Lock.		
	multi-biometric	✓ With new deep learning algorithms applied, the anti-		
	identification	spoofing technology performance has been		
		dramatically heightened and can prevent different		
		types of photos and video attacks.		
		✓ Cutting-edge 3D Neuron Fingerprint Algorithm		
		authenticates dry, wet, or rough fingerprints		
		efficiently and accurately. Apart from Visible Light		
		facial recognition and Silk ID fingerprint		
		authentication,		
		Features:-		
		✓ Capacity User 10,000		
		✓ Face : 10,000		
		✓ Fingerprint : 10,000		
		✓ Card : 10,000		
		✓ Transaction: 1,000,000		
		✓ Communication TCP/IP / Wi-Fi / Wiegand Input /		
		Wiegand Output / RS485 / USB Host		
		✓ Access Control Interface Lock Relay Output / Exit		
		Button / Alarm Output / Door Sensor		
		✓ Hardware 900MHz Dual Core CPU		
		✓ Memory 512MB RAM/ 8G Flash		
		✓ 2MP WDR Low Light Camera		
		✓ 7-inch Touch Screen, 1280*720 pixels		
		✓ Linux Operating System		
		✓ Adjustable Monitor Brightness		
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	4			
*		✓ Standard Functions		
		✓ ID Card / Work Code / ADMS / DST / Bell Schedule /		
		Attendance Status Auto-Switch / Record Query /		
		Photo ID		
		✓ Optional Functions		
		✓ 13.56 MHz IC / LEGIC Card		
		✓ Special Functions		
		✓ Visible Light Facial Recognition		
		✓ Alive Face Detection		
		 Multiple Biometric Verification Modes 		
		✓ Compatibility		
		✓ Bio Time 8.0 / ZKBioSecurity (Time & Attendance)		
		✓ Additional Info		
		✓ Algorithms		
		✓ Facial Recognition Speed : ≤0.3 sec		
50	Installation /	Relevant Installation / Commissioning of CAT-6 Network	1	
	Commissioning	Cable per feet		
51	Installation /	Relevant Installation / Commissioning of Power Cable per	1	
	Commissioning	feet		
52	Installation /	Relevant Installation / Commissioning of Optical Fiber Cable	1	
	Commissioning	per feet.		
53	Installation /	Relevant Installation / Commissioning Configuration Services	1	
	Commissioning	for quoted equipment / store,		
	1			

- Note:- 1) You are requested to provide turnkey solution.
 - 2) Estimated quatity of cameras are 140, which may be increase or decrease.

To