Ministry of investment

CCTV System Specification

❖ **BOQ:**

No	Description	QTY	Comply Yes/No	Notes
CCTV System				
1	Indoor Fixed (Dome) Camera	104		
2	Outdoor Fixed (Bullet) Camera	20		
3	Network video Recorder 64 Chanel	2		
Network Connections				
1	Edge Switches	6		
2	Patch panel	6		
3	Cabinet	6		
4	installations	Per meter		

❖ **Specifications:**

1) **Indoor Fixed (Dome) Camera (104 QTY):**

Description	QTY	Comply Yes/No	Notes
Resolution	Minimum 5MP		
Image Sensor	1/2.7" progressive CMOS		
IR Distance	Minimum IR distance: 30 m		
Stream	Minimum 2 Streams		
Iris Type	Fixed		
Min. Illumination	0.007 Lux or less @ F1.4		
Compression	H.265+, H.264+, H.264		
WDR	120 dB		

Focal Length	2.8mm,4mm		
Power Supply	12V DC/POE		
Protection Grade	IP67		
AI Support	smart Motion Detection, tripwire, video tampering alarm and intrusion		
ONVIF	ONVIF (Profile S/Profile G/Profile T)		

2) **Outdoor Fixed (Bullet) Camera (20 QTY):**

Description	QTY	Comply Yes/No	Notes
Resolution	Minimum 8MP		
Image Sensor	1/2.7" progressive CMOS		
IR Distance	Minimum IR distance: 40 m		
Stream	Minimum 2 Streams		
Iris Type	Fixed		
Min. Illumination	0.004 Lux or less @ F1.1		
Compression	H.265+, H.264+, H.264		
WDR	120 dB		
Focal Length	2.6mm or 13.5mm		
Power Supply	12V DC/POE		
Protection Grade	IP67		
AI Support	smart Motion Detection, tripwire, video tampering alarm and intrusion		
ONVIF	ONVIF (Profile S/Profile G/Profile T)		

3) Network video Recorder 64ch (2 QTY):

Description	QTY	Comply Yes/No	Notes
IP Camera Input	64 CHANEL		
Internal HDD	8 SATA HDD		
HDD	Recording for minimum 30 days on full detection		
Bandwidth	Min 400Mbps		
4K Up to 12MP Resolution for Preview and Playback			
Support	Mobile App, Web		
Auxiliary Interface	1 HDMI out, 1 VGA out, USB,2 port RJ-45 Port (10/100/1000Mbps)		
P2P	Support P2P		
ONVIF	Support		
Raid	RAID 0/1/5/6/10		
Multiple-channel Playback	Max. 16-channel playback		
AI by Camera support	Face detection and recognition, SMD plus, perimeter protection, ANPR, Heat Map, People counting, metadata		

4) Cabling specs:

	Item	Qty	Comply Yes/No	Notes
	Switches			
1	24 Port Gigabit Ethernet PoE Switch with 2 Uplink Gigabit Port & 2 SFP Port with Transceivers, Unmanaged, Rack Mountable, 1U	6		
	Fiber & Copper Cables Work			
1	CAT6 24 Port Patch Panel Fully Loaded – Metal – Snap in Jacks	6		
2	CAT6 Patch Cords 1m - LSZH	126		

3	Cat6 for cameras and NVRs Includes - Pipes/Trunks - Cat6 Cable per meter	126		
4	Pulling, Termination, Labeling and Testing	126		
5	Optional: Cable Organizer	6		
6	Camera Tester support camera type in this tender with HDMI (in, out) Li-Ion battery or PoE+ , Connect to any IP or analog camera using RJ-45, supports all power requirements for IP and analog cameras micro SD, data cable testing	1		
7	Fiber Cable Pulling uplinks for each switch per meter			

5) **Special Requirements:**

- The company must be operating within the Hashemite Kingdom of Jordan for a period of no less than five years, with attached evidence of that.

- Installation requirements: installation and configuration for devices supplies, NVR configuration and Network Cable wiring termination, testing, labeling and training.

- Install poles for cameras for outdoor cameras and all accessories when needed.

- 3 Years Warranty for the proposed solution from project handing over.

- 3 Years free maintenance include (4) preventive visits per year.

- Minimum 5 similar projects in same field similar Ministry of Investment attached evidence in technical offer.

- The tenderer shall submit all the materials and works required in List No. (3), provided that all materials are of the same type and of known quality.

- Company and Technical certificates are required.

- The supplier must be an authorized agent for the supplied devices.