

SUPPLY OF IT EQUIPMENT-CCTV		
	TECHNICAL SPECIFICATIONS	COMPARATIVE SPECIFICATION / REMARKS
A - Minimum technical requirements.		Comparative specification / remarks should indicate any deviation from technical parameter or functional description of tender specification or confirmation with "Yes" and if applicable further particularities.
1	IP Camera 	
1.1	Hikvision DS-2CD1047G2-L or equivalent	
1.2	imaging with at least 4 MP resolution	
1.3	24/7 colourful imaging (day/night)	
1.4	Water and dust resistant (IP67)	
1.5	Supporting H.265+ compression technology	
1.6	2.8 mm Lense	
2	NVR (Network video recorder) 	
1.2	DS-7732NI-M4 or equivalent	
1.3	32-ch 4K NVR with 24 PoE	
1.4	32-ch IP camera inputs	
1.5	Supporting H.265+/H.265/H.264+/H.264 video formats	
1.6	2-ch@8 MP/4-ch@4 MP/8-ch@1080p decoding capacity	
1.7	minimum 256 Mbps incoming bandwidth	
1.8	Outputs: HDMI, VGA	
3	Hard Disc Drive (HDD) 	
2.1	For surveillance	
2.2	Hard disk size: 6 TB	
2.3	Cache Size :256MB	
2.4	Form Factor :3.5-Inch	
2.5	Connector: SATA	

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4	LED Screen 	
4.1	Resolution 3,840 x 2,160	
4.2	Product Type LED	
4.3	Screen Size 50 to 55 Inch	
4.4	Connectivity HDMI, USB	
5	Standard 24 PoE Switch	
5.1	Networking interface:(24) RJ45 ports	
5.2	PoE interface:(24) PoE	
5.3	PoE Standard IEEE 802.3af	
5.4	PoE Port: Ports 1 to 24	
5.5	Power Supply 240 VAC, 50/60 Hz,	
5.6	PoE Power Budget at least 230 W	
5.7	Max. Port Power 30 W	
5.8	To be used/compatible with position no. 1	
6	UPS (Online) 3 KVA	
6.1	Capacity (VA/Watt) 3000 VA / 2400 Watt	
6.2	input Frequency Range : 40Hz ~ 70 Hz	
6.3	output Frequency Range 47 - 53 Hz for 50 Hz nominal, 57 - 63 Hz for 60 Hz nominal.	
6.4	Transfer Time Inverter to Bypass : 4 ms (Typical)	
6.5	Efficiency rate : at least 90%	
6.6	Battery Type: 6 x 12 V / 9 A	
7	CAT 6 Ethernet cable 305 M 	
7.1	The Ethernet LAN cables MUST be protected against high temperatures, physical stress and electromagnetic induction caused by power lines or any other source of high voltage, e.g. lightning. This applies in particular, but not exclusively, to outdoor installations and when cable conducts are shared for power and LAN cables.	

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7.2	The entire Ethernet cable link must meet the criteria for operation at 1Gbit/s (Cat 6 standard).	
8	Tubular plastic pipe for CAMs cable	
8.1	500m length	
8.2	Diameter: minimum 2 cm	
8.3	Material: plastic	
8.4	To be used/compatible with position no. 7	
8.5	Including necessary accessories/materials for installation such as clips	
9	Camera box	
9.2	Waterproof and climate resistant	
9.2	Material: Plastic	
9.3	To be used/compatible with position no. 1	
10	Patch cable CAT 6	
10.1	Cat 6	
10.2	50 cm	
10.3	not self-made	
11	Standard HDMI Cable	
11.1	Standard HDMI Cables	
11.2	High Speed (Category 2)	
11.3	1080p 4K @ 30 Hz	
12	PDU electricity divider	
12.1	Type G (UK electrical socket/electrical plug) Should include fuse to protect PDU 7 ports	
13	Network Cabinet	
13.1	SRX STANDING 22 U network cabinet or equivalent	
13.2	Dimension W x D x H (mm): 600 x 1000 x (1000 to 1200)	
B. DELIVERY		

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1	All the items should be delivered to Anbar, Heet Youth Centre (of the Directorate of Youth and Sports) in Heet city.	
2	Handling, transportation, is under the responsibility of the supplier.	
C. REMARKS AND CONDITIONS		
1	All standard accessories for all offered items should be provided.	
2	The supplier shall provide the items with all standard technical features and specifications and in full working conditions.	
3	Catalogues/picture and datasheets with details and specifications must be provided with the tender submission by the bidder for the needed items and GIZ will physically check and approve.	
4	Supplying, loading, offloading and transportation are included.	
5	Reference pictures are only to recognise and understand the items, not an indication for any model or brand.	
6	Minimum one year warranty.	
7	Installation is required for items 1,2,4,5,7,8,9,12,13	