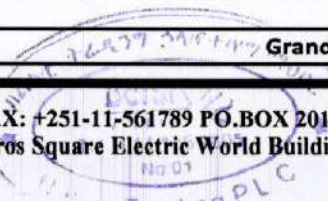


Video Intercom System

Item	Brand	Description	Unit	Qty	U.Price	T.Price
1	ZKT(Related)	ZKTeco VEX-B21L Building Video intercom Outdoor Station <ul style="list-style-type: none"> • 4.3" color TFT LCD • System: Linux • Premium audio and video quality • Aluminum panel • 2MP HD camera with automatic lighting • Support multiple access control methods: 13.56MHz access cards, password, remote unlock • Cold-resistant version (-40 °C to 55 °C) available • Quick to install and easy integration with IP telephone systems using SIP protocol support • POE 	pcs	1		
2	ZKT(Related)	ZKTeco VT07-B22L Building video intercom indoor monitor <ul style="list-style-type: none"> • IP Indoor Monitor • 7-inch LCD capacitive touch screen • System: Built-in Linux System • UI customization • Compatible with 3rd party software • Support external 8-way IP cameras • Integration of elevator control and home automation • Standard SIP 2.0 • 128 MB Memory • POE 	pcs	54		
3	ZKT(Related)	ZKTeco VG10-B21A Building video intercom Management Center <ul style="list-style-type: none"> • Android system, 10.1 inch touch screen • Resolution 1024*600 • Working temperature -10°C-55°C • One RJ45 port • One SD card port • POE support 	pcs	1		
4	ZKT (Related)	PE162-200-C 16 Ports 10/100Mbps PoE Switch	pcs	4		
5		Agrigator switch	Pcs	1		
6	D-Link(Related)	Cat 6 UTP Solid Bare Copper Cable 305m/roll	Roll	6		
7		Metal Box 700x500x150mm	pcs	2		
		Additional Accessories				
		Sub Total				
		Commissioning and Testing	Point	54		
		Total				
		VAT 15%				
		Grand Total In Birr				



IRS TV System from 4 Satellites

Item	Brand	Description	Unit	Qty	U.Price	T.Price
1		Satellite dish Ø90cm, Frequency range 10.7...12.75 GHz, Gain @ 11.7 GHz 39.5 dBi	pcs	4		
2	Triax(Related)	THQT 002 High Gain Quattro LNB Input frequency 10.5-12.75 Shoutout frequency 950...2150 MHz, Conversion gain 60...72 dB	pcs	4		
3	Triax(Related)	TMS 17x16C Cascadable multiswitch 4 Sat. and Terrestrial in, 16 Subscriber outputs, Frequency range 5- 2150MHz, Max. output level SAT @ -35 dB IMD3 100 dBµV, Switch commands 13/18 V, 0/22 kHz, DiSEqC 2.0,	pcs	3		
4	Triax(Related)	TMS 17x32C Cascadable multiswitch 4 Sat. and Terrestrial in, 32 Subscriber outputs, Frequency range 5- 2150MHz, Max. output level SAT @ -35 dB IMD3 100 dBµV, Switch commands 13/18 V, 0/22 kHz, DiSEqC 2.0,	pcs	4		
5	Triax(Related)	TMS 17 / IF-amplifiers with 17 inputs and outputs, Frequency range 5-2150MHz, Gain - SAT (with 5 dB slope) 18 24 dB, DC Operating voltage 18 VDC	pcs	3		
6	Triax(Related)	TRX0014U- Power adaptor, AC Supply voltage 96...250	pcs	4		
7	Triax(Related)	TMM LK Connection lead 5pcs/pack	pcs	24		
8	Triax(Related)	Rg-6 Twist on Connector	pcs	480		
9	Triax(Related)	RG-6 Coaxial Cable 305m/roll PVC type, Inner conductor - dimension 1.02 ± 0.01 mm, Shield braid - coverage 60 ± 3 %	Roll	30		
10		Metal Box 800x600x250mm	pcs	3		
		Metal Box 700x500x150mm	pcs	1		
		Additional Accessories				
		Sub Total				
		Commissioning and Testing	Point	142		
		Total				
		VAT 15%				
		Grand Total In Birr				



IPCCTV System

Item No.	Brand	Model	Description	Unit	Qty	U.Price	T.Price
1	Dahua (Related)	IPC-HFW2441E-S	4MP Entry IR fixed Bullet Network Camera <ul style="list-style-type: none"> • 1/3" 4Megapixel progressive CMOS • H.265 & H.264 dual-stream encoding 20fps@4M (2688x1520) & 25/30fps@3M (2304x1296) • WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC • Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS • 2.8 mm lens • Max IR LEDs Length 50m IP67, PoE+ 	pcs	3		
2	Dahua (Related)	IPC-HDBW1431E S4	4MP Entry IR Fixed-focal Dome Network Camera <ul style="list-style-type: none"> • 1/2.7" 2Megapixel progressive CMOS • H.265 & H.264 dual-stream encoding 25/30fps@1080P(1920x1080) • Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS • 2.8mm fixed lens (3.6mm optional) • Max IR LEDs length 30m • IP67, IK10, PoE 	pcs	13		
3	Dahua (Related)	IPC-HDBW2231E S	2MP Entry IR Fixed-Focal Dome Network Camera <ul style="list-style-type: none"> • 2MP, 1/2.7" CMOS image sensor, low illuminance, high image definition • Outputs max. 2MP (1920 x 1080) @25/30 fps • H.265 codec, high compression rate, ultra-low bit rate • Built-in IR LED, max. IR distance: 30 m 	pcs	29		
4	Dahua (Related)	NVR4232	32 Channels 1U 2HDDs WizSense Network Video Recorder Smart H.265+/H.265/Smart H.264+/H.264/MJPEG decoding format. Max. decoding capability: 32 x 1080p@30 fps or 32 x 2MP@30 fps. Max384 Mbps incoming/recording/outgoing bandwidth. Support AcuPick with Max. 16-Channel. Support N+M cluster.				



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Belsty Trading Private Limited Company

			AI by recorder: 2-channel face detection and recognition, 4-channel				
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Belsty Trading Private Limited Company

			perimeter protection, and 8-channel SMD Plus. AI by camera: Face detection and recognition, perimeter protection, SMPlus, metadata, ANPR, stereo analysis, heat map, and people counting.	pcs	2		
5	Dahua	PFS4218-16ET-240	16-port 100 Mbps + 2-port Gigabit Managed PoE Switch * The parameters and datasheets below can only be applied to V2.0 (version 2.0) > Intelligent PoE > Red port supports 90W IEEE802.3bt > Web management with friendly interface and easy operation > 250 m long distance PoE transmission > PoE watchdog > Plug and play	pcs	4		
6			Surveillance Hard Drive Seagate 8TB	pcs	2		
7			24 Port CAT6 Patch Panel	pcs	4		
8			Horizontal Cable Manager	pcs	11		
9			15U Rack with fan and PDU	pcs	3		
10			Cat 6 UTP Patch Cord Cable 2m	pcs	50		
11			Smart UPS 1000VA	pcs	1		
12	D-Link		Cat 6 UTP Solid Bare Copper Cable 305m/roll	Roll	8		
			Additional Accessories				
			Sub Total				
			Commissioning, Configuration and Testing	Point	45		
			Total				
			VAT 15%				
			Grand Total In Birr				

