

UNOPS minimum technical requirements		Qty	Is your product compliant	Technical specification of	Make and Model (Model or Brand,	Remark (note for deviation and
			This column must be completed fully by bidders			
Lot 1: CCTV camera excluding Mounting Pole						
Multi sensor panoramic + PTZ camera		5	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Lens	Panoramic section		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	Multi sensor		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	Resolution 4 MP or better per sensor		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	State focal length		Please state			
	Number of lenses - multiple (horizontal view angle 360 degrees)		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	PTZ section		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	Resolution 8Mp or better					
	State focal length		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	Zooming capacity >30X optical & >10X digital minimum		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	Can identify at distance minimum 400m		<input type="checkbox"/> Yes <input type="checkbox"/> No			
IR	PTZ section		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Sensor Motion detection	Long distance IR illuminator 100m min		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	State the Motion detection range in distance		Please state			
Connection type (as per summary of technical requirements)	Smart tracking function		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	Wireless (wifi) / GSM/ HSPA/LTE 4G internal / separate interface		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	RJ45 Port		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	Supports Two-Way audio		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Analytics	Please indicate the internet bandwidth requirements for the mainstream and sub- stream channels of the cameras		Please state			
	Tamper detection		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	Objects entered the region of interest.		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	Objects leaving the region of interest.		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Day/night detection	Object moves into a region of interest and then stops moving for the specified threshold time.		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	Automatic		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	Night vision operation		<input type="checkbox"/> Yes <input type="checkbox"/> No			
FOV	Panoramic section		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	Horizontal 360o		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	PTZ section		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	Pan range 360o endless		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	Tilt range -10o - 87 o min		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	WDR ≥ 120 dB		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Power supply	Solar powered with Backup batteries		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	Least power consumption is preferred.		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	POE compatible		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Temperature & Humidity	Should operate at places where relative humidity 95%		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	Temperature range 0-60o C (better is acceptable)		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Protection class	IP 66 minimum or better		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Protocol	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Memory	Local storage 256GB card or better		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Certifications/Approvals	CE - ROHS or equivalent		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	UL 62368-1 or CSA 62368-1 or IEC/EN 62368-1 or equivalent		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	Photo biological safety IEC/EN 62471 or equivalent					
Safety Standards			<input type="checkbox"/> Yes <input type="checkbox"/> No			
	IP66 rating min		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Environmental Standards/Ratings	Product Impact protection certification		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	Product vibration protection certification		<input type="checkbox"/> Yes <input type="checkbox"/> No			
	Product shock protection certification		<input type="checkbox"/> Yes <input type="checkbox"/> No			
			<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electromagnetic Emissions Standards	EN 55032 (Class A) or equivalent		<input type="checkbox"/> Yes <input type="checkbox"/> No			

Warranty	Comprehensive warranty for 1 year after acceptance		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	User (Operating) manual in English.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Documentation	Service (Technical / Maintenance) manual in English.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
8MP WDR Varifocal PTZ camera to be mounted on Poles on Bridge or nearby a bridge with the following technical features		5	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Lens	Lens motorized varifocal		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Resolution 8MP or better		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Please indicate the focal length		Please state		
	Zooming capacity optical zoom >30X, Digital zoom >10X		<input type="checkbox"/> Yes <input type="checkbox"/> No		
IR	DORI distance, Identify at 400m min		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	IR illuminattion distance 200m min		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Connection type (as per summary of technical requirements)	Wireless (wifi) / GSM/ HSPA/LTE 4G internal / separate interface		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	RJ45 CAT5/6		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Supports Two-Way audio		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Please indicate the internet bandwidth requirements for the mainstream and sub- stream channels of the cameras		Please state		
Analytics	Tamper detection		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Objects entered the region of interest.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Objects leaving the region of interest.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Object moves into a region of interest and then stops moving for the specified threshold time.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Day/night detection	Automatic		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Night vision operation		<input type="checkbox"/> Yes <input type="checkbox"/> No		
FOV	Pan range 360o endless		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Tilt range -10o - 87 o min		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	WDR ≥ 120 dB		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Power supply	Solar powered with Backup batteries		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Least power consumption is preferred.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	POE compatible		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Temperature & Humidity	Should operate at places where relative humidity 95%		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Temperature range 0-60o C (better is acceptable)		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Lens wiper included		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Protection class	IP 66 minimum or better		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Protocol	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Memory	Local/card storage 256GB or better		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Certifications/Approvals	CE-ROHS or equivalent		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Safety Standards	UL 62368-1 or CSA 62368-1 or IEC/EN 62368-1 or equivalent		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Photo biological safety IEC/EN 62471 or equivalent		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	IP66 rating min		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Environmental Standards/Ratings	Product Impact protection certification		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Product vibration protection certification		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Product shock protection certification		<input type="checkbox"/> Yes <input type="checkbox"/> No		
			<input type="checkbox"/> Yes <input type="checkbox"/> No		
Electromagnetic Emissions Standards	EN 55032 (Class A) or equivalent		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Warranty	Comprehensive warranty for 1 year after acceptance		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	User (Operating) manual in English.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Documentation	Service (Technical / Maintenance) manual in English.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Storage and monitoring items		1	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Storage and monitoring items	NVR 16 channel SSD 16TB min storage capacity		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	All necessary communication interfaces and items for interconnection		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Supply and installation, integration with system		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	VMS license		<input type="checkbox"/> Yes <input type="checkbox"/> No		
PV system		10	<input type="checkbox"/> Yes <input type="checkbox"/> No		
PV panels	Panels shall be of suitable capacity to charge batteries and carry the loads of all equipment at the site		<input type="checkbox"/> Yes <input type="checkbox"/> No		

PV panels	All panels are expected to be installed on the same pole of the camera of every site.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Batteries	Batteries shall be of capacity of supplying the loads for 24 hours at least		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	All batteries shall be fixed to the pole within weather resistant rugged solar box		<input type="checkbox"/> Yes <input type="checkbox"/> No		
PV charge controller	All required hardware must be supplied to install the batteries and related items		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	The charge controller shall have capability to charge drained batteries as well as supplying loads simultaneously		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Mounting Poles	The bidder must present all dimensions of the mounting pole . The design should consider the weights of all items to be installed on it and all other loads including wind load. camera installation height = 6m UNOPS will provide and erect the poles on each site.		Please state		
Installation	Installation and integration of the camera systems into the central monitoring station. Consisting of supply of all required items including but not limited to installation brackets, arms, data & power cables etc.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Local Agent	The equipment manufacturer or supplier has a local agent/dealer for after sales services		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	If No, can you commit/agree to arrange a local agent/dealer within 3 to 4 weeks after award for after sales services.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Training	Maintenance and troubleshooting training for ten client's staff in Addis Ababa		<input type="checkbox"/> Yes <input type="checkbox"/> No		
General points	All signals will be communicating to the central monitoring station		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	All installations are on or at edges of Bridges.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Field of views for cameras will be selected during configuration		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Delivery time					
	Bidder shall deliver the goods within 30 days after contract signature on FCA 2020 incoterms.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Bidder shall deliver the goods DAP within 45 days after Contract signature.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Lot 2: CCTV camera including Mounting Pole					
Multi sensor panoramic + PTZ camera		5	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Lens	Panoramic section		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Multi sensor		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Resolution 4 MP or better per sensor		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	State focal length		Please state		
	Number of lenses - multiple (horizontal view angle 360 degrees)		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	PTZ section		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Resolution 8Mp or better				
	State focal length		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Zooming capacity >30X optical & >10X digital minimum		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Can identify at distance minimum 400m		<input type="checkbox"/> Yes <input type="checkbox"/> No		
IR	PTZ section		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Long distance IR illuminator 100m min		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Sensor Motion detection	State the Motion detection range in distance		Please state		
	Smart tracking function		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Connection type (as per summary of technical requirements)	Wireless (wifi) / GSM/ HSPA/LTE 4G internal / separate interface		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	RJ45 Port		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Supports Two-Way audio		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Please indicate the internet bandwidth requirements for the mainstream and sub- stream channels of the cameras		Please state		
Analytics	Tamper detection		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Objects entered the region of interest.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Objects leaving the region of interest.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Object moves into a region of interest and then stops moving for the specified threshold time.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Day/night detection	Automatic		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Night vision operation		<input type="checkbox"/> Yes <input type="checkbox"/> No		
FOV	Panoramic section		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Horizontal 360o		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	PTZ section		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Pan range 360o endless		<input type="checkbox"/> Yes <input type="checkbox"/> No		

	Tilt range -10o - 87 o min		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	WDR ≥ 120 dB		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Power supply	Solar powered with Backup batteries		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Least power consumption is preferred.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	POE compatible		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Temperature & Humidity	Should operate at places where relative humidity 95%		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Temperature range 0-60o C (better is acceptable)		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Protection class	IP 66 minimum or better		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Protocol	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Memory	Local storage 256GB card or better		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Certifications/Approvals	CE - ROHS or equivalent		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Safety Standards	UL 62368-1 or CSA 62368-1 or IEC/EN 62368-1 or equivalent		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Photo biological safety IEC/EN 62471 or equivalent		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Environmental Standards/Ratings	IP66 rating min		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Product Impact protection certification		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Product vibration protection certification		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Product shock protection certification		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Electromagnetic Emissions Standards	EN 55032 (Class A) or equivalent		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Warranty	Comprehensive warranty for 1 year after acceptance		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Documentation	User (Operating) manual in English.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Service (Technical / Maintenance) manual in English.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
8MP WDR Varifocal PTZ camera to be mounted on Poles on Bridge or nearby a bridge with the following technical features		5	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Lens	Lens motorized varifocal		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Resolution 8MP or better		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Please indicate the focal length		Please state		
	Zooming capacity optical zoom >30X, Digital zoom >10X		<input type="checkbox"/> Yes <input type="checkbox"/> No		
IR	DORI distance, Identify at 400m min		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	IR illuminattion distance 200m min		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Connection type (as per summary of technical requirements)	Wireless (wifi) / GSM/ HSPA/LTE 4G internal / separate interface		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	RJ45 CAT5/6		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Supports Two-Way audio		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Please indicate the internet bandwidth requirements for the mainstream and sub- stream channels of the cameras		Please state		
Analytics	Tamper detection		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Objects entered the region of interest.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Objects leaving the region of interest.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Object moves into a region of interest and then stops moving for the specified threshold time.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Day/night detection	Automatic		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Night vision operation		<input type="checkbox"/> Yes <input type="checkbox"/> No		
FOV	Pan range 360o endless		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Tilt range -10o - 87 o min		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	WDR ≥ 120 dB		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Power supply	Solar powered with Backup batteries		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Least power consumption is preferred.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	POE compatible		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Temperature & Humidity	Should operate at places where relative humidity 95%		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Temperature range 0-60o C (better is acceptable)		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Lens wiper included		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Protection class	IP 66 minimum or better		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Protocol	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Memory	Local/card storage 256GB or better		<input type="checkbox"/> Yes <input type="checkbox"/> No		

Certifications/Approvals	CE-ROHS or equivalent		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	UL 62368-1 or CSA 62368-1 or IEC/EN 62368-1 or equivalent		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Safety Standards	Photo biological safety IEC/EN 62471 or equivalent		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	IP66 rating min		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Product Impact protection certification		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Environmental Standards/Ratings	Product vibration protection certification		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Product shock protection certification		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Electromagnetic Emissions Standards	EN 55032 (Class A) or equivalent		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Warranty	Comprehensive warranty for 1 year after acceptance		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	User (Operating) manual in English.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Documentation	Service (Technical / Maintenance) manual in English.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Storage and monitoring items		1	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	NVR 16 channel SSD 16TB min storage capacity		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Storage and monitoring items	All necessary communication interfaces and items for interconnection		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Supply and installation, integration with system		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	VMS license		<input type="checkbox"/> Yes <input type="checkbox"/> No		
PV system		10	<input type="checkbox"/> Yes <input type="checkbox"/> No		
PV panels	Panels shall be of suitable capacity to charge batteries and carry the loads of all equipment at the site		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	All panels are expected to be installed on the same pole of the camera of every site.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Batteries	Batteries shall be of capacity of supplying the loads for 24 hours at least		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	All batteries shall be fixed to the pole within weather resistant rugged solar box		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	All required hardware must be supplied to install the batteries and related items		<input type="checkbox"/> Yes <input type="checkbox"/> No		
PV charge controller	The charge controller shall have capability to charge drained batteries as well as supplying loads simultaneously		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Mounting Poles	7m galvanised flanged steel straight pole with anchors and template. The pole must be designed to withstand all the loads (wind load , weight of items to be installed.) Items to be installed on the pole are as below but not limited to; 1. Solar panel/s, 2. Battery compartment, 3. PV controller/inverter , 4. Camera, 5. Transmission equipment, and others. Design of Anchor and foundation should be presented.. All poles shall be equipped with a lightning protection system.	10	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Installation	Installation and integration of the camera systems into the central monitoring station. Consisting of supply of all required items including but not limited to installation brackets, arms, data & power cables etc.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Local Agent	The equipment manufacturer or supplier has a local agent/dealer for after sales services		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	If No, can you commit/agree to arrange a local agent/dealer within 3 to 4 weeks after award for after sales services.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Training	Maintenance and troubleshooting training for ten client's staff in Addis Ababa		<input type="checkbox"/> Yes <input type="checkbox"/> No		
General points	All signals will be communicating to the central monitoring station		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	All installations are on or at edges of Bridges.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Field of views for cameras will be selected during configuration		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Delivery time					
	Bidder shall deliver the goods within 30 days after contract signature on FCA 2020 incoterms.		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Bidder shall deliver the goods DAP within 45 days after Contract signature.		<input type="checkbox"/> Yes <input type="checkbox"/> No		