बर्दघाट नगरपालिका
नगर कार्यपालिकाको कार्यालय
बर्दघाट, नवलपरासी (ब.सु.प)
लुम्बिनी प्रदेश, नेपाल

पत्र संख्याः-२०८३/०८४
च.नं.

मितिः- २०८३/०७/१३

विषयः- लागत अनुमान प्रयोजनको लागि दररेट पेश गर्ने सम्बन्धि सूचना ।

श्री सरोकारवाला फर्म/सप्लायर्सहरू सबै

प्रस्तुत विषयमा यस कार्यालयको लागि यसै पत्रसाथ संलग्न प्रमाणित स्पेशिफिकेशन अनुसारको सि.सि.टि.भि. क्यामरा खरिद तथा जडान गर्नका लागि लागत अनुमान तयार गर्नुपर्ने भएकाले यो सूचना प्रकाशन भएको मितिले ७ (सात) दिन भित्र पेश भएको स्पेशिफिकेशनको आधारमा यसै साथ संलग्न BOQ भरि प्रति इकाइ दररेट खुलाइ निम्न कागजातहरू संलग्न राखी यस कार्यालयमा पेश गर्नुहुन सम्बन्धित सबैमा जानकारीको लागि यो सूचना प्रकाशित गरिएको छ ।

आवश्यक कागजातहरू

- आ.व. ०८२/०८३ को करचुक्ता प्रमाणपत्रको प्रतिलिपि,
- संस्था/फर्म /सप्लायर्स दर्ता प्रमाणपत्रको प्रतिलिपि,
- स्थायी लेखा नम्बर दर्ता प्रमाणपत्रको प्रतिलिपि ।

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संगिता दंगाल
(सहायक प्रशासकीय अधिकृत)

सहायक प्रशासकीय अधिकृत

बर्दघाट नगरपालिका

नगर कार्यपालिकाको कार्यालय

बर्दघाट, नवलपरासी (ब.सु.प.)

प्रमुख प्रशासकीय अधिकृत

BILL OF QUANTITY (BOQ)

सि.नं. १९२

कार्यक्रमको नाम: सि.सि.टि.भी. क्यामेरा अत्यावश्यक स्थानमा न.पा.

योजना स्थल: बर्दघाट नगरपालिका

आ.व.: २०८३/८४

मिति: २०८३/०७/१२

S.N.	Items	Specification	Unit	Quantity	Rate	Amount (Rs.)	Remarks
1	NVR 64 Chanel	Specification No. 1	Set	1			
2	Bullet Camera (4MP)	Specification No. 2	Set	1			
3	SMART TV 55"	Specification No. 3	Set	1			
4	10 TB HDD	Specification No. 4	No.	1			
5	POE Switch (4 port)	Specification No. 5	Set	1			
6	ONT/Media Converter with power Adapter	10/100/1000M	Set	1			
7	Fiber Lease for 1 (one) Year with maintenance	1 Core lease for connectivity	Meter	1			
8	CAT 6 Cable (Copper)	Solid Bare Copper, High Density Polyethylene insulation pairs, UL Approved CMX inner jacket	Box/305	1			
9	Waterproof Junction Box with power plug and accessories	Size: 8*10"	Set	1			
10	Electricity Meter Installation	Per Site as per Nepal Electricity Authority	Poll	1			
11	Power Cable Wiring (Electrical)	10 mm wire for electricity meter (Service Cable)	Meter	1			
		6 mm wire	Meter	1			
12	Setup and Intallation and commissioning with Accessories		Jobs	1			
					Sub Total		
					13% VAT		
					Grand Total		

Name of Goods/Service Provider:
Address:

Contact Number:

Signature:

Date:

Specification No. 1: 64 Channel NVR

S. N.	Minimum Requirements (Specifications)	Firm's Compliance (Comply/Not Comply)
1	Make: (Must be Full Member of ONVIF)	
2	Model:	
3	Recording Resolution: Up to 16 MP	
4	Channel: 64 Channel Video input	
5	Incoming Bandwidth: 256 Mbps or better	
6	Outgoing Bandwidth: 256 Mbps or better	
7	Third Party Camera support: Yes (ONVIF)	
8	Video compression: H.265 Compression or equivalent	
9	Display output: 2 HDMI or Better	
10	HDMI Resolution: 3840*2160	
11	Synchronous Playback; 16 Channels or above	
12	Decoding Capacity: Up to 1-ch@16 MP (30 fps)/2-ch@12 MP (20 fps)/4-ch@8 MP (25 fps)/8-ch@4 MP (30fps)/16-ch@1080p (30 fps)	
13	Audio: Supported recording and playback	
14	SATA Port: 4 SATA Port or better	
15	SATA Port Capacity: Up to 10TB Each	
16	Mobile Phone Access: Android, iOS	
18	Multi-Channel record Playback: Yes	
19	Power Supply: Single 100v-240V AC, 50Hz-60Hz	
20	Network Protocol: TCP/IP, DHCP, Cloud p2p, DNS, DDNS, NTP, SMTP, NFS, HTTP	
21	External Ports: 2USB 2.0,2USB 3.0, 2 RJ-45 10/100/1000M Ethernet Port	
22	Operation Interface: Web, Local GUI	
23	Warranty: 1 Year	
	Note: The information's should be verified from OEM authorized Website.	

Specification No. 2: 4 MP IP Bullet Camera

SN	Parameter	Minimum Required Specification	Firm's Compliance (Comply/Not Comply)
1	Make:	Must be Full Member of ONVIF	
2	Camera Type	Fixed Bullet Network (IP) Camera	
3	Resolution	4 MP (2560 × 1440 or higher), 1/3" Progressive Scan CMOS or better	
4	Lens	Fixed 4 mm or 6 mm or better/equivalent	
5	Low-Light Performance	Color ≤0.03 Lux (F2.0, AGC ON); 0 Lux with IR ON; True WDR ≥120 dB	
6	Frame Rate	≥20 fps @ 2560×1440; ≥25/30 fps @ 1080p	
7	Video Compression	H.265+/H.265/H.264+/H.264, dual-stream or better/equivalent	
8	IR Illumination	IR range ≥30, Smart IR	
9	Network & Standards	1× RJ45 10/100M; ONVIF Profile S/G; HTTPS/RTSP/NTP/QoS	
10	Security Features	Password protection, HTTPS/TLS, IP filtering, digest authentication	
11	Analytics	Motion detection and tamper alarm	
12	Ingress & Environmental Protection	IP67; operating range -30 °C to 60 °C, ≤95% humidity (non-condensing)	
13	Power	12 VDC and/or PoE (802.3af)	
14	Housing	Metal front cover/bracket; weather-resistant enclosure	
15	Accessories: Pole Mount Bracket and other	Accessories: Pole Mount Bracket and other	
16	Warranty	Minimum 1 year	
	Note: The information's should be verified from OEM authorized Website.		

Specification No. 3: Smart Television

SN	Parameter	Minimum Required Specification	Firm's Compliance (Comply/Not Comply)
1	**Screen Size**	55 inches (diagonal), nominal	
2	**Display Technology**	LED-backlit LCD (Direct-lit or Edge-lit)	
3	**Screen Type**	Flat panel	
4	**Native Resolution**	3840 × 2160 (4K UHD)	
5	**Aspect Ratio**	16:9	
6	**Refresh Rate**	60 Hz native (minimum); higher motion-processing rate acceptable	
7	**RAM/ROM**	Minimum 1.5GB/8GB or Higher	
8	**Brightness**	≥ 300 nits (typical)	
9	**Contrast Ratio**	Manufacturer-specified dynamic/static contrast ratio to be declared	
10	**Viewing Angle**	178° (horizontal and vertical), or manufacturer standard wide-viewing-angle panel	
11	**Panel Type**	IPS / VA / equivalent	
12	**Smart TV Platform**	Built-in Smart TV OS (e.g., Android TV / Google TV, WebOS, Tizen, or equivalent) with app store access	
13	**Screen Mirroring / Casting**	Supported (e.g., Miracast, Chromecast built-in, AirPlay, or equivalent)	
14	**HDMI Ports**	Minimum 2	
15	**USB Ports**	Minimum 2 × USB (2.0 or higher) for media playback	
16	**Wi-Fi**	Built-in Wi-Fi, dual-band (802.11 b/g/n) preferred	
17	**Bluetooth**	Built-in Bluetooth 4.2 or higher, for audio/peripheral pairing	
18	**Ethernet (LAN)**	1 × RJ45 (10/100 Mbps minimum) wired network port	
19	**Speaker Output**	Minimum 2 × 8 W (16 W total) built-in speakers	
20	**VESA Mounting Standard**	Standard VESA mounting hole pattern (to be specified by manufacturer, typically 200×200 mm or 200×100 mm for this size class)	
21	**Remote Control**	Standard infrared (IR) remote control included, with batteries	
22	**Input Voltage**	AC 100–240V, 50/60 Hz, or as per local grid standard	
23	**Warranty**	Minimum 1 Year Warranty	
	Note: The information's should be verified from OEM authorized Website.		

Specification No. 4: 10 TB Surveillance Hard Disk

SN	Minimum Requirements (Specifications)		Firm's Compliance (Comply/Not Comply)
1	Interface	SATA 6Gb/s	
2	Cache, MB	128	
3	Bytes per Sector	4096	
4	R/V (Rotational Vibration) Sensor	Y	
5	Drive Bays Supported	8+	
6	Cameras Supported	Up to 64	
7	Max Sustained Data Rate, OD Read (MB/s)	180	
8	Voltage Tolerance, Including Noise	(5V) ±5%	
9	Voltage Tolerance, Including Noise	(12V) ±10%	
10	Startup Current, Average (12V, A) 1	1.8	
11	Operating Mode, Typical (W)	9	
12	Idle Average (W)	7.2	
13	Standby Mode (W)	0.6	
14	Sleep Mode (W)	0.6	
15	Height (mm/in)	26.11/1.028	
16	Width (mm/in)	101.85/4.010	
17	Depth (mm/in)	147.0/5.878	
18	Minimum 1 Year Warranty	**1 Years Warranty**	
	NOTE: The information's should be verified from OEM authorized Website.		

Specification No. 3c PoE Switch (4 Ports)

SN	Minimum Requirements (Specifications)		Firm's Compliance (Comply/Not Comply)
1	**Ports**		
	Network Ports	6	
	PoE Ports	4, 10/100 Mbps RJ-45 ports	
	Uplink Port	2, 10/100M Ethernet port	
2	**Standard**		
	Network Protocol	IEEE 802.3, 802.3u, 802.3x, 802.3af, 802.3at	
3	**Performance**		
	Switching Capacity	1-1.2 Gbps	
	Maximum Forwarding Rate	0.74 - 0.89 Mpps	
	MAC Address Table	2 k	
	Flow Control	IEEE 802.3x full duplex	
4	**Power Over Ethernet**		
	PoE Standards	ports IEEE802.3af (up to 15.4 W per port) or ports IEEE802.3at (up to 30 W per port)	
	PoE Power Budget	36w	
5	**General**		
	Power Supply	AC 100-240V	
	Power Consumption	≤36 W full load	
	Surge Protection	4 kV	
	Working Temperature	14° F to 131° F (10° C to 55° C)	
	Working Humidity	10% to 90%, non-condensing	
	Storage Temperature	-40° F to 158° F (-40° C to 70° C)	
	Storage Humidity	5% to 90%, non-condensing	
6	Warranty	Minimum 1 Year Warranty	
	NOTE: The information's should be verified from OEM authorized Website.		