



# नगर कार्यपालिकाको कार्यालय

## Office of the Municipal Executive



(Google Plus Code: C8RJ+C6 Neulapur)

सैनवार बर्दिबा  
Sainawar, Bardiya  
लुम्बिनी प्रदेश, नेपाल  
(स्था: २०७३)

लुम्बिनी प्रदेश, नेपाल  
Lumbini Province, Nepal


### दरभाउपत्र (कोटेशन) पेश गर्ने सम्बन्धी सार्वजनिक सूचना !!

(प्रकाशित मिति: २०८२/०२/०९ गते, ने. सं ११४५ बखलागा: ११, शुक्रबार)

उपरोक्त सम्बन्धमा यस नगरपालिका अन्तर्गत रहेको विद्यालयमा ICT सम्बन्धी सामग्रीहरू ( सी.सी. टि. भि., कलर प्रिन्टर आदि) आवश्यक परेको हुँदा यसै साथ संलग्न BoQ र Specifications बमोजिमका सामग्रीहरू (पछि परिमाण थपघट भएमा सोही दरमा उपलब्ध गराउने गरि) को दरभाउपत्र (कोटेशन) यो सूचना प्रकाशित भएको मितिले ७(सात) दिन भित्र देहाय बमोजिमको आवश्यक कागजातहरू सहित खामबन्दी गरि पेश गर्नुहुन सम्बन्धित सबैको जानकारीका लागि यो सूचना प्रकाशित गरिएको छ।

#### आवश्यक कागजातहरू:

१. रितपूर्वक भरेको BoQ
२. व्यवसाय दर्ता प्रमाणपत्रको प्रतिलिपी
३. स्थायी लेखा (प्यान)/ भ्याट नम्बर दर्ता प्रमाण पत्रको प्रतिलिपी
४. कर चुक्ता प्रमाण पत्रको प्रतिलिपि (आ. व. २०८०/०८१ वा म्याद थप)
५. यस नगरपालिकामा सूचिकृत भएको प्रमाणपत्र वा सूचिकृत हुनका लागि राजश्व तिरेको भौचर सहितको निवेदन
६. ठाकुरबाबा नगरपालिकाको राजश्व शाखामा रु. १००० तिरेको रसिदको प्रतिलिपी

  
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(नोट: उपलब्ध गराउने समग्रीको Brand र Model Name वा नम्बर साथै Product को Description सहितको Data Sheet अनिवार्य पेश गर्नुपर्ने छ।)



# 1. Specifications of CCTV Set, HardDisk,NVR,Networking Cable,PoE Switch

SN	Products	Description
1	2MP Indoor DOM IP Camera  <u>Brand:</u>  <u>Model:</u>	<ul style="list-style-type: none"> <li>➤ 2MP, 1/2.8"-2.9" CMOS image sensor, low illuminance, high image definition</li> <li>➤ Maximum resolution 2MP (1920 × 1080) @25/30 fps</li> <li>➤ H.265+/ H.264+&amp;H.264 codec, high compression rate, ultra-low bit rate</li> <li>➤ Camera Type: Full Color</li> <li>➤ Focal length: ≥ 2.8mm</li> <li>➤ Wide Dynamic Range (WDR): Digital WDR</li> <li>➤ Day/Night Switch: Day, Night, Auto, Schedule</li> <li>➤ ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments</li> <li>➤ Shutter Speed: 1/2 s to 1/100,000 s</li> <li>➤ Rotation mode/Angle Adjustment: Pan: 0° to 360°,tilt: 0° to 75°,rotate: 0° to 360°</li> <li>➤ Image Enhancement: BLC, HLC,3D DNR</li> <li>➤ 12V DC/PoE power support</li> <li>➤ Should support Mobile monitoring</li> </ul>
2	4MP Outdoor Bullet Network Camera  <u>Brand:</u>  <u>Model:</u>	<ul style="list-style-type: none"> <li>➤ Image sensor: 1/3-2.4" CMOS</li> <li>➤ Camera Type: Outdoor, Full Color</li> <li>➤ Resolution: 4MP (2560 × 1440) @ 25/30 fps</li> <li>➤ Shutter Time: 1/3 s to 1/100,000 s</li> <li>➤ Day &amp; Night: IR cut filter (Optional)</li> <li>➤ Lens Type: Fixed focal lens: 2.8 and 4 mm optional</li> <li>➤ SN Ratio: ≥52 dB</li> <li>➤ Aperture: F1.6 or equivalent</li> <li>➤ Image Enhancement: BLC, HLC,3D DNR</li> <li>➤ Protection: IP67: IEC 60529-2013 or higher</li> <li>➤ Focal Length: 2.8mm-4mm</li> <li>➤ Bit Rate Control: CBR,VBR</li> <li>➤ Video Compression: Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG</li> <li>➤ Power Consumption: 12V DC/PoE Power Supply</li> <li>➤ Operating Temperature: -30 °C to 60 °C (-22 °F to 140 °F).</li> <li>➤ Abnormality detection: Motion detection (support alarm triggering by specified target types (human and vehicle etc.), video tampering alarm, ip conflict</li> </ul>
3	16 Channel Network Video Recorder  <u>Brand:</u>  <u>Model:</u>	<ul style="list-style-type: none"> <li>➤ HDD Capacity: up to 10 TB</li> <li>➤ Interfaces: minimum 2 SATA</li> <li>➤ Video output: 1×HDMI, 1×VGA</li> <li>➤ USB Interfaces: Minimum 2</li> <li>➤ Network Interfaces: Minimum 1×RJ-45 port (10/100/1000Mbps)</li> <li>➤ Protocols: HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter</li> <li>➤ Working Temperature: -10°C to 55°C / Humidity: 10-90% or better</li> <li>➤ Incoming Bandwidth: ≥ 160 Mbps</li> <li>➤ Decoding Format: H.265/H.265+/H.264/H.264+ or better</li> <li>➤ Audio: 1-ch, RCA or BNC</li> </ul>

Note: The Supplier should mention the brand and model name, and also provide datasheet of the product as well.

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4	10-Port/2 Uplink Switch with 8-Port PoE	<ul style="list-style-type: none"> <li>➤ Port: 9 10/100M PoE ports, 2 10/100 uplink ports or equivalent</li> <li>➤ Support 802.3af/at standards</li> <li>➤ Transmission range: <math>\geq 250</math> M</li> <li>➤ Visualized topology management, Realtime video control and real time video alarm push, network health monitor</li> <li>➤ Operating Temperature: <math>-10^{\circ}\text{C}</math> to <math>+55^{\circ}\text{C}</math></li> </ul>
5	8 TB HDD  <u>Brand:</u>  <u>Model:</u>	<ul style="list-style-type: none"> <li>➤ Capacity: 8TB</li> <li>➤ Speed: <math>\geq 5,900\text{RPM}</math></li> <li>➤ Interface Types: SATA</li> <li>➤ Cache: 256MB or equivalent</li> </ul>
6	CAT6 Cable	<ul style="list-style-type: none"> <li>➤ 305 m (1000 ft)/carton UTP CAT6, Pure Copper power over Ethernet, compatible with one cable or equivalent</li> <li>➤ High-purity oxygen-free copper conductor or equivalent</li> <li>➤ Customized PVC outer sheath; Have certain flame retardant properties or equivalent</li> <li>➤ Meet ANSI/TIA 568.2-D, ISO/IEC11801, reducing damage during the project.</li> <li>➤ Should have better electrical properties and transmission performance</li> </ul>
7	Delivery, Transportation and Project Completion Period	<ul style="list-style-type: none"> <li>➤ To Tribhuvan Secondary School, Thakurbaba-1</li> <li>➤ Work should be completed within the 12 working days after getting supply/work order.</li> </ul>
8	Warranty	<ul style="list-style-type: none"> <li>➤ At least 2 years warranty should be provided with free repairing services</li> </ul>
9	Notes	<ul style="list-style-type: none"> <li>➤ CCTV should be compatible with the existing system</li> <li>➤ If needed one can contact and observe the project location.</li> <li>➤ No any extra cost for the project will provided except the mentioned cost in BoQ</li> </ul>



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Note: The Supplier should mention the brand and model name, and also provide datasheet of the product as well.

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## 2. Technical Specification of 75 Inches Smart Board (AVR)

Brand	To be specified by the Supplier:	
Model	To be specified by the Supplier:	
LED Panel	Size	75 Inches
	Resolution	3840 × 2160 (4K)
	Brightness	At least 350 cd/m <sup>2</sup> or higher
	Response Time	< 8ms
	Pixel Pitch	0.429(H) mm × 0.429(V) mm
	Visual angle	178 (H) / 178 (V)
	Lifespan	At least 40000hrs or higher
	Refresh rate	60Hz
	Back Light Type	Direct LED (D-LED) Technology or equivalent LED Interactive Touch Screen
	Surface Glass	Anti-Glare Glass
System Drive	<ul style="list-style-type: none"> <li>➤ Android system: Minimum Android 9 or higher.</li> <li>➤ At least 8GB Memory (RAM), 128 GB storage space, using Android OS or equivalent</li> <li>➤ CPU: Quad Core A55 or higher</li> <li>➤ GPU: Built-in GPU Card-G52MP2 or higher</li> </ul>	
I/O Port	MINI-AV, PC Audio, VGA, TV-USB 2.0, 2× HDMI, RJ45, USB Port	
Front side	HDMI, USB	
Camera/MIC	Built-in minimum 8MP / Built in microphone	
Front side key	Available	
NFC Function	Optional	
Bluetooth/WiFi	Inbuilt Bluetooth and WiFi 2.4/5G or better	
USB Support file format	Picture: JPEG, BMP, PNG Video: MPEG1, MPEG2, MPEG4, H264, RM, RMVB, MOV, MJPEG, VC1, DivX, FLV Audio: WMA, MP3, M4A, (AAC)	
Speaker	15 W × 2 or higher Built-in speaker	
Video Features	Split Screen/Multitasking support	
OS System	Support Windows 7/ Windows XP/ Windows 2000/ LINUX UNIX/ Windows 8.1 (X86) or higher version of Windows	
Safety	Necessary arrangement for protecting Interfaces and buttons	

Note: The Supplier should mention the brand and model name, and also provide datasheet of the product as well.

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Necessary Accessories	Remote controller, Touch Pen, HDMI Cable, Wall mount bracket, hook, user manual and other necessary items.
Default System Language	English
Authorization	Must provide authorization letter from manufacturer
Warranty	At least 3 years or more including parts and services
Delivery, Transportation and Project Completion	<ul style="list-style-type: none"> <li>➤ To Tribhuvan Secondary School, Thakurbaba-1</li> <li>➤ Work should be completed within the 12 working days after getting Supply/work order.</li> </ul>

### 3. Color Printer:

Parameters	Description
Brand	To be specified by the supplier: -
Model	To be specified by the supplier: -
Printer Type	Ink Tank
Function	Multifunction (Print, Scan, Copy)
Printer Output	Color and B/W
Connectivity	Wireless, WiFi, AirPrint, Direct Wireless, USB
Pages per minute	11 ipm (Black), 6.0 ipm (Color) or higher
Printer resolution	4800×1200 dpi or better
Scan resolution	600×1200 dpi or better
Display	Built-in 1.35" inches LCD (Monochrome) or better
Print Media	Envelopes, Paper (plain), Glossy photo paper
Operating System	Windows-7/8.1/10/11, Chrome OS, Mac OS 10.12.6-10.15
Warranty	At least one year

Note: The Supplier should mention the brand and model name, and also provide datasheet of the product as well.

*Girish*



*Prasanna Prasad Thakal*  
प्रमुख प्रशासकीय अधिकृत



#### 4. All In One(AIO) Computer Set

Parameters		Description
Brand		To be specified by the supplier: -
Model		To be specified by the supplier: -
Type		All In One (AIO) PC Suitable for Account Section Use
Processor		≥i5, 12 <sup>th</sup> Generation or higher
Operating System		Windows 10/11 fully activated genuine version
Graphics Card		UHD Graphics or equivalent
Network Card		1000M wired network card (Gigabit Ethernet LAN) or equivalent
Wireless		150M Wireless WiFi (433M dual band WiFi and WiFi 6 Functions are optional)
Storage	RAM	At least 8GB DDR4 or higher
	ROM	At least 512GB SSD/NVMe or higher
Speaker		Internal Speaker
Camera		HD webcam (Optional)
Interfaces		1×HDMI, 1×VGA(Optional), 1×LAN, 4×USB, 1×Audio Out, RJ45, 1×Mic in or more
Keyboard		Full Sized keyboard with standard keys
Mouse		Wired or Wireless Optical Mouse including Mouse Pad
Monitor		Branded Monitor of ≥21 Inches with FHD resolutions
Warranty		At least one year's warranty including all parts and monitor
Application Software		Pre-installed all the necessary application software like: MS Office etc.
Accessories		Power cable, Power Adapter, VGA/HDMI Cable and other necessary items should be provided by the supplier with no extra cost

Note: The Supplier should mention the brand and model name, and also provide datasheet of the product as well.



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**Thakurbaba Municipality**  
**Office of the Municipal Executive**

Sainawar, Bardiya  
Lumbini province

BoQ of CC Camera Set , 75 Inches AVR Board etc.



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S.N.	Particular	Unit	Quantity	Rate	Amount	Amount in Words	Remarks
1	Indoor 2MP IP Dome Camera	Nos	14				
2	Outdoor 4MP Bullet Camera	Nos	2				
3	16 Port NVR with 2 SATA	Nos	1				
4	8 TB Surveillance HDD	Nos	1				
5	8 Port PoE Switch With 2 Uplinks Port	Nos	2				
6	UTP CAT6 Cable With Pure Copper	Box	2				
7	75 Inches Digital AVR Board	Nos	4				
8	All In One PC	Set	1				
9	Color Printer	Nos	1				
10	Installation of CCTV (Listic, Wiring and Power Socket, Cable clipping)	Per Unit	16				
11	Installation of AVR Board (Listic, Wiring and Power Socket, Cable clipping)	Per Unit	4				
Total							
VAT 13%							
Grand Total							
Grand Total in Words:							

Firm Name:

Firm Address:

Name of Representative:

Signature:

Date:

Contact Number:

Firm Stamp: