



श्री कृष्ण माध्यमिक विद्यालय
कोहलपुर - १, कौशिलानगर बाँके



स्थापना: २०५०

पाना नं २०१३६५९०८

विद्यालय कोड नं.

सम्पर्क नं. ०८१-४०४०९०

पत्र संख्या: २०८०/०८१

चलानी नं.

५ ७ ० ३ ९ ० ० ० ५

सि.सि.टि.भी. क्यामेराको सिलबन्दी दररेट पेश गर्ने सम्बन्धि ७ दिने सूचना !!!
प्रथम पटक प्रकाशित मिति: २०८०/१२/०५


उपर्युक्त सम्बन्धमा यस कृष्ण माध्यमिक विद्यालयमा तपसिल बमोजिमको लागत अनुमान र संलग्न प्राविधिक स्पेसिफिकेसन अनुसारको सि.सि.टि.भी. क्यामेरा खरीद तथा जडान कार्य गर्नुपर्ने भएकाले के कति रकममा उपलब्ध गराउन सकिन्छ? सो को दररेट BOQ मा भरी ७ (सात) दिन भित्र विद्यालय समय भित्र सिलबन्दी गरी तपसिलको कागजात सहित पेश गर्नहुन सम्बन्धित सबैको जानकारीका लागी यो सूचना प्रकाशन गरिएको छ। म्याद भित्र पेश नभएका दरभाउपत्र उपर कुनै कारवाही हुने छैन।

तपसिल

सि.सि.टि.भी. क्यामेरा खरीद तथा जडान कार्यको कुल लागत अनुमान भ्याट सहित	रु. ३६५,७०६.४२
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अनिवार्य संलग्न गर्नुपर्ने कागजात

१. कम्पनि रिजस्टार/ बाणिज्य/ घरेलुमा दर्ता नवीकरण प्रमाणपत्रको प्रतिलिपि
२. भ्याट दर्ता प्रमाणपत्रको प्रतिलिपि
३. गत आ.व. २०७९/०८० को कर चुक्ता प्रमाणपत्रको प्रतिलिपि
४. BoQ फाराम
५. Self-verification of technical specification comply sheet


प्रधानाध्यापक



श्री कृष्ण माध्यमिक विद्यालय

कोहलपुर - १, कौशिलानगर बाँके

स्थापना: २०५०

सम्पर्क नं. ०८१-४०४०९०

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चलानी नं.



पाना नं २०१३६५९०८

विद्यालय कोड नं.

५ ७ ० ३ ९ ० ० ० ५

Bill of Quantity (BoQ)

Name of Project: सि.सि.टि.भी. खरिद तथा जडान कार्य					
S.N.	Description	UoM	Quantity	Rate	Amount
1	16 TB Enterprise Surveillance Hard Drives	Units	2		
2	Camera License	Units	16		
3	16 port smart PoE switch	Units	2		
4	Gigabit Fiber SFP Transceiver Module Single Mode	Pair	2		
5	4U Network Rack	Unit	2		
6	Optical Fiber Drop Wire (75 M)	Roll	2		
7	RJ 45 Jack	Pcs	45		
8	PDU	Unit	2		
9	Installation	point	2		
				Total Amount	
				13% Vat	
				Grant Total	
Amount in words:					

Firm Name:

Address:

Name of Representative:

Signature:

Date:

Firm Stamp:

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Technical Specification of CCTV and its Accessories for Government School of Kohalpur Municipality

1. 16 TB Enterprise Surveillance Hard Drives

Minimum Technical Specification of 16 TB Enterprise Surveillance Hard Drives		Bidders offer	Remarks
Brand: (Should be mentioned by bidder)		
Model No. (Should be mentioned by bidder)		
Storage	16 TB SATA III (6 Gb/s) 3.5" HDD		
Features	Helium Sealed-Drive Design, Super Parity, Low Halogen, Power Choice™ Idle Power Technology, PowerBalance™ Power/Performance Technology, Hot-Plug Support3, Organic Solderability Preservative, RSA 2048 Firmware Verification (SD&D)		
Cache, Multisegmented (MB)	256 or more		
Reliability/Data Integrity			
Mean Time Between Failures (MTBF, hours)	2,500,000		
Reliability Rating @ Full 24x7 Operation (AFR)	0.35%		
Nonrecoverable Read Errors per Bits Read	1 sector per 10E15		
Power-On Hours per Year (24x7)	8760		
512e Sector Size (Bytes per Sector)	512		
4Kn Sector Size (Bytes per Sector)	4096		
Performance			
Spindle Speed (RPM)	7200RPM		
Interface Access Speed (Gb/s)	6.0, 3.0		
Max. Sustained Transfer Rate OD (MB/s, MiB/s)	261, 249		
Random Read/Write 4K QD16 WCD (IOPS)	170/440		
Average Latency (ms)	4.16		
Interface Ports	Single		
Rotation Vibration @ 20-1500 Hz (rad/sec ²)	12.5		
Power Consumption			
Idle A (W) Average	5.00W		
Max Operating, Random Read/Write 4K/16Q (W)	10.0, 6.3		
Power Supply Requirements	+12 V and +5 V		
Environmental			
Temperature, Operating (°C)	5°C – 60°C		
Vibration, Nonoperating: 2 to 500Hz (Grms)	2.27		
Shock, Operating 2ms (Read/Write) (Gs)	50		
Shock, Nonoperating 2ms (Gs)	200		
Warranty (years)	1		
Compliance	HDD Should be compactable to existing Storage Server hardware "DS-A81016S"		

2. Camera License

- Camera license for Hik-Central Professional



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3. 16 ports smart PoE switch

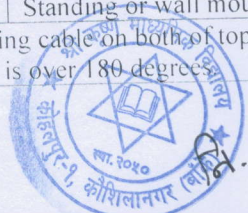
Minimum Technical Specification of 16 port Smart PoE Switch		Bidders offer	Remarks
Brand: (Should be mentioned by bidder)		
Model No. (Should be mentioned by bidder)		
Ports	16 Gigabit PoE port, 2 Gigabit fiber optical port		
MAC Address Table	8 K		
Packet Forwarding Rate	26.784 Mpps		
Switching Capacity	36 Gbps		
PoE Standard	IEEE 802.3af, IEEE 802.3at		
surge protection	6 KV for PoE ports		
Max. Port Power	30 W		
PoE Power Budget	225 W		
Power Supply	100-240 VAC, 50/60 Hz, Max. 4 A, 250 W		
Forwarding Mode	Store-and-forward switching		
Device Function	Support remote upgrade, default parameter restoration, logs viewing, basic network parameter configuration, import and export configuration, and time synchronization, Support port rate configuration, flow control, and ports enabling, PoE watchdog: Ports 1 to 16 auto detect and restart the cameras that do not respond. PoE enabling: supported, Rate-limiting for ingress and egress ports, Port Mirroring, Port Isolation, 4094 VLANs		
Working Mode	Standard mode (default), Extend mode		
Warrenty	1 year		
Bidder compliance	All the technical parameters should be confirmed by bidder and the product datasheet should be submitted.		

4. Gigabit Fiber SFP Transceiver Module Single Mode

Gigabit 20KM Single mode bidirectional SFP Module		Bidders offer	Remarks
S No.	Minimum Technical Specification of Gigabit 20KM Single mode bidirectional SFP Module		
	Brand: (Should be mentioned by Bidder)		
	Model: (Should be mentioned by Bidder)		
1.	Single Strand (core) (Bi-Di) Single Model gigabit FO module support wave length 1310 Tx /1550 Rx or 15500 Tx /1310 Rx		
2.	Support Min 20 Km and data rate 1 Gbps or better		
3.	Support Self-locking mechanism, hot-swappable and Digital diagnostics monitoring		
4.	Operating Temperature: -100°C to 45°C or better Min Transmit Power: Min. -9dbm and Max. -3dbm Max power budget 11db Receive Sensitivity: -20dbm		
5.	FO module should be compatible to proposed switch.		
6.	Warrenty: 1 year		
Product datasheet and ISO certificate should be submitted.			

5. 4U Network Rack

Minimum Technical Specification of 4U Network Rack		Bidders offer	Remarks
Brand: (Should be mentioned by bidder)		
Model No. (Should be mentioned by bidder)		
Main Material	SPCC cold rolled steel		
Thickness	Mounting profile 1.5mm, mounting angle 1.2mm		
Degree of Protection	IP20		
Size	600x 450x 280(WxDxH)		
Loading Capacity	Static loading: 60KG		
Color	Black		
installation	Standing or wall mounting		
Knock out hole for entering cable on both of top cover and bottom panel, Toughened glass front door, turning angle is over 180 degree			



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6. Fiber Drop Wire 75/100/150/200 meter
- Single Or multi-core messenger drop wire with connector compatible to Gigabit Fiber SFP Transceiver Module Single Mode

7. Technical Specification of RJ45 Jack

Brand: (Should be mentioned by bidder)

- Cat6 RJ45 8P8C modular plugs
- Gold Plated 30U
- Gold-plated contacts for error-free data transfer
- Designed for Cat 6 UTP cable (1000Mbps)


8. PDU

Minimum Technical Specification of PDU		Bidders offer	Remarks
Brand: (Should be mentioned by bidder)		
Model: (Should be mentioned by bidder)		
Rated voltage	110/220 V		
Rated current	13 A		
Frequency	50/60 Hz		
Length	19" (≤ 8 ways PDU) Inch		
Depth	1.5U		
Material	Aluminum Alloy		
Power cord length	2M		
Certificates	RoHS; CE		
Connectors number	6 way/ port		
Connectors type	Universal type		
Protection	Overload and switch protection		

9. Installation

- Fiber Cable Splicing, Cable Clipping, RJ45 Clamping, Cable Tie, Screw, Cable tagging
- Camera / 6U Rack / pole box / power socket installation
- Interconnection between switches through GSFP, System Setup
- Separately Custom Label on above mentioned devices
- Proposed CCTV System (camera & hard drive) must be integrated in existing CCTV Surveillance System of Kohalpur Municipality Office server located at Kohalpur Nagar Bikas Office.




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