

श्री सगरमाथा ज्ञानपुञ्ज माध्यमिक विद्यालय कोहलपूर-४, पशुपतिनगर, बांके

स्थापितः २०५२

पत्र सख्याः २०८०/०८१

चलानी नंः

सि.सि.टि.भी. क्यामेराको सिलबन्दी दररेट पेश गर्ने सम्बन्धी संशोधित सूचना !!! (प्रकाशित मितिः २०८०। १२। ०२)

उपरोक्त सम्बन्धमा यस सगरमाथा ज्ञानपुञ्ज माध्यिमक विद्यालयको मिति २०८०/११/२७ गतेको प्रकाशित सूचना बमोजिम यस विद्यालयका लागि आवश्यक सिसिटिभिको प्राविधिक स्पेशिफिकेसनमा Manufacturer's Authorization Document / Letter Verifying Technical Specification समेत अनिवार्य संलग्न गर्नुपर्ने प्रावधान राखिएकोमा विभिन्न आपूर्तिकर्ताहरुले उल्लेखित प्रावधान कुनै एउटा कम्पनीसँग मात्र सम्बन्धित देखिने र धेरै आपूर्तिकर्ताहरु विद्यात हुने भएको भनी नगरपालिका समक्ष गुनासो एवं ध्यानाकर्षण समेत गराएको अवस्थालाई मध्यनजर गरी नगरपालिकाबाट प्राप्त निर्देशन बमोजिम यो संशोधित सूचना प्रकाशन गरिएको छ । अतः संलग्न स्पेशिफिकेशन बमोजिमको सि.सि.टि.भी. क्यामेरा के कित रकममा उपलब्ध गराउन सिकन्छ ? सो को दररेट $_{\rm BOQ}$ मा भरी मिति २०८०/१२/०५ गतेसम्म विद्यालय समयभित्र सिलबन्दी गरी पेश गर्नुहुन सम्बन्धित सबैको जानकारीका लागी अनुरोध छ । उल्लेखित अवधिभित्र पेश नगरिएका वा शर्त सिहत पेश गरिएका दरभाउपत्र उपर कुनै कारवाही हुने छैन ।

<u>तपसिल</u>

सामानको विवरण	रकम
सि.सि.टि.भी. क्यामेरा खरीद तथा जडान कार्यको कुल लागत अनुमान भ्याट सहित	रु. ७२५,१५४.९०

अनिवार्य संलग्न गर्नुपर्ने कागजात

- १. कम्पनि रजिष्ट्रार/ 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
- $\ensuremath{\mathsf{\chi}}$. Self-verification of technical specification comply sheet





श्री सगरमाथा ज्ञानपुञ्ज माध्यमिक विद्यालय

कोहलपूर-४, पशुपतिनाम बांके स्थापितः २०५२

पत्र सख्याः २०८०/०८१

चलानी नंः

Bill of Quantity (BoQ)

Name of Project: सि.सि.टि.भी. खरिद तथा जडान कार्य

N.	Description	UoM	Quantity	Rate	Amount
1	4 MP Turret Network camera	Units	14		
2	4 MP Varifocal Bullet Network Camera	Units	1		
3	4 MP PTZ Network camera with power adapter	Units	1		
4	128 GB Micro SD (TF) card	Units	16		
5	16 TB Enterprise Surveillance Hard Drives	Units	1		
6	Camera License	Units	17		
7	8 port Smart PoE Switch	Units	1		
8	16 port smart PoE switch	Units	1		
9	Gigabit Fiber SFP Transceiver Module Single Mode	Pair	2		
10	PVC POE Switch box	Unit	1		
11	4U Network Rack	Unit	1	1	
12	Optical Fiber Drop Wire (75 M)	Roll	2		
13	RJ 45 Jack	Pcs	35		
14	Cat 6 Cable indoor	Вох	1		
15	Cat6 Cable outdoor	meter	100		
16	PDU	Unit	1		
17	Installation	point	18	3	
				Total Amoun	t
	P ^A			13% Va	t
				Grant Tota	ı

Firm Name:

Address:

Name of Representative:

Signature:

Date:

Firm Stamp:

1. 4 MP Turret network camera

Minimum Technical Specification of 4MP Turret camera:			Remarks
Make	(Should be mentioned by bidder)		
Model No.	(Should be mentioned by bidder)		
Sensor	4MP, 1/1.8" CMOS or Better		
Focal Length	2.8mm		
Resolution	2688×1520 or better		
Aperture	F1.0		
Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with white light		
Smart Supplement Light	Yes		
Supplement Light Type	White Light		
Supplement Light Range	30 m or better		
Interface:	1 x RJ45 10 M/100 M self-adaptive Ethernet port		
On board Storage:	Shall have built in SD/micro- SD/ SDXC/ SDHC card Upto 512 GB		
Built-in Microphone	Yes		
Environment Noise Filtering	Yes		
Face Capture	Yes		
Video Analytics	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, Scene change detection, Motion detection (human and vehicle targets classification), video tampering alarm, exception		
POE	Supported		
Built-in Microphone	Yes		
Environment Noise Filtering	Yes		
Security	host authentication, Password protection, complicated password, HTTPS encryption		
ONVIF Compliant:	Yes (Shall be system compatible/ supported/ ready)		
video	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)		
WDR	130 dB or better wide dynamic range		
SNR	≥ 52 dB		
Video Streaming	Adjustable Resolution, quality and bit rate, support minimum 3 streams		
Day/Night Switch	Auto, Schedule		
Image Setting	Rotate, mirror, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser		
Protocol	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SFTP, ARP, SNMP, WebSocket, WebSockets, SRTP		
Video Compression	H.265/H.264/H.264+/H.265+ or more		
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)		
Hardware & Software Reset	Yes		
Protection	Water and dust resistant (IP67)		
Warrenty	1 year		
Bidder compliance	All the technical parameters should be confirmed by bidder and the product datasheet should be submitted.		







2. 4 MP Varifocal Bullet Network Camera

Minimum Techn	ical Specification of 4 MP Varifocal Bullet Network Camera	Bidders offer	Remarks
Make	(Should be mentioned by bidder)		
Model No.	(Should be mentioned by bidder)		
Image Sensor	1/3" Progressive Scan CMOS		
Resolution	Minimum 2688 × 1520 or higher resolution acceptable		
Lens Size	Varifocal lens, motorized lens, 2.7 to 13.5 mm		
(minimum or			
better)			
Adjustment angle	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360° or better		
Min. Illumination	Color: 0.003 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR		
Video Analytics	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, or more.		
Day/Night	IR Cut		
Illumination	Minimum: Color: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR or better		
WDR	≥ 120 dB or better wide dynamic range		
IR Range	Minimum 60 m or better		
Aperture	2.7 to 13.5 mm: F1.4		
Focus	Auto, Semi-auto, Manual		
ONVIF Compliant:	Yes (Shall be system compatible/ supported/ ready)		
Compression	H.264, H.264+, H.265, H.265+ or more		
Main Stream	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)		
	60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)		
Video	Adjustable Resolution, quality and bit rate, support		
Streaming	minimum 3 streams		
Image Setting	Rotate, mirror, privacy masks, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser		
e-PTZ	Support Patrol and Auto Tracking settings		
Environment Noise Filtering	Yes		
Simultaneous View	The camera should be capable of a minimum 6 live viewing simultaneously		
Maximum User	Up to 30 users or more		
Face Capture	Yes		
People Counting	Yes		
User Level	3 user levels: administrator, operator and user		
Protocol	TCP/IP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, PPPoE,		
	WebSocket, WebSocket's and more		
Interface	RJ45 10M/100M or More Speed Ethernet Port		
POE	Supported		
Video Analytics	Line crossing, intrusion, region entrance, region exiting, scene change detection, audio exception detection, defocus detection, unattended baggage detection, object removal detection, Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception		
Edge Storage	Built-in micro-SD, up to 512 GB or more		
Connectors	RJ-45 for Network/PoE connection		
Operating Conditions	≥ -30° to 60°		
protection Level	Water and dust resistant (IP67) and vandal-resistant (IK10)		
Security Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE, and digest authentication for Open Network Video Interface.		
Warrenty	1 year		
Bidder	All the technical parameters should be confirmed by bidder and the		
compliance	product datasheet should be submitted		

3. 4 MP PTZ Network camera with power adapter & mounting arms

Minimum Technical Sp	pecification of 4 MP PTZ Network camera with power adapter	Bidders offer	Remarks
Brand:	(Should be mentioned by bidder)		
Model No.	(Should be mentioned by bidder)		
Image Sensor	[Bullet channel]: 1/3" Progressive Scan CMOS; [PTZ channel]: 1/2.8" Progressive Scan CMOS		
Min. Illumination or better	[Bullet channel]: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light; [PTZ channel]: Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC		
	ON), 0 Lux with IR		
Shutter Speed	1 s to 1/30,000 s		
Day & Night	ICR		
Day/Night Switch	day, night, auto, scheduled-switch		
WDR	120 dB WDR or better		
HLC/3D DNR/ Defog/	Yes		
EIS/ Regional Exposure/ Regional			
Focus			
ONVIF Compliant:	Yes (Shall be system compatible/supported/ Ready)		
Zoom	25 × optical, 16 × digital [PTZ] or better		
General Function	mirror, password protection, watermark, IP address filter		
Lens Focal Length	[Bullet channel]: 2.8 mm; [PTZ channel]: 4.8 to 120 mm, 25 × optical or better		
Zoom Speed	[PTZ channel]: approx. 3.6 s		
Aperture	[Bullet channel]: F1.0; [PTZ channel]: F1.6 or better		
Supplement Light	[PTZ channel]: IR; [Bullet channel]: White Light		
Type			
Smart Supplement Light	Yes		
Supplement Light Range	[PTZ channel]: up to 100 m; [Bullet channel]: up to 30 m or more		
Movement Range (Pan)	360°		
Movement Range (Tilt)	-15° to 90° (auto flip)		
Pan Speed	pan speed: configurable from 0.1° to 80°/s; preset speed: 80°/s		
Tilt Speed	configurable from 0.1° to 80°/s, preset speed 80°/s		
Park Action	preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan		
3D Positioning/ PTZ Status Display/ Preset Freezing	Yes		
Exception Detection	IP address conflict, HDD full, illegal login, HDD error, network disconnected		
Max. Resolution	[Bullet channel]: 2560 × 1440; [PTZ channel]: 2560 × 1440 or better		
Stream Type	mainstream, sub-stream, third-stream		
Stream	[Bullet channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)		
	60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)		
	[PTZ channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)		
Vidaa Campuagian	60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) H.265, H.264, MJPEG, H.265+ or more		
Video Compression Face Capture	[PTZ channel] Yes		
Smart Event	motion detection, video tampering alarm, alarm input and output, exception, audio exception detection, line crossing detection, intrusion detection, region entrance		
	detection, region exiting detection		
Auto Tracking	yes		
Smart Linkage	Manual tracking, auto tracking, tracking takeover, track in turn		
Smart Record	ANR, Dual-VCA		
Alarm Linkage	[Bullet channel] Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, audible warning, white light flashing [PTZ channel] Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, audible warning, white		
	light flashing, and PTZ actions (such as preset, patrol scan, pattern scan)		
Network Storage	NAS (NFS, SMB/ CIFS), ANR		
Protocols	IPv4/IPv6, HTTP, HTTPS,802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour, WebSocket, WebSocket's		
Simultaneous Live	Bonjour, Websocket, Websocket's		
Simultaneous Live		1	<u> </u>

View		
User/Host	32	
Security Measures	Authenticated username and password address binding, HTTPS encryption,802.1X authenticated access, IP address filter	
Communication Interface	RJ45, self-adaptive 10M/100M Ethernet port	
On-board Storage	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB or more	
Audio Input	1 audio input, 2.0 to 2.4Vp-p, 1k Ohm±10%	
Audio Output	1 audio output, line level, impedance: 600Ω	
Power	12VDC, PoE+	
Power Consumption and Current	Max. 24 W, including max. 2.6 W for heater and max. 11 W for supplement light	
Operating Conditions	-30°C to 65°C (-22°F to 149°F), humidity lower than 90% RH	
Protection	IP66 Standard, IK10 (excluding glass window), 6000 V Lightning Protection, Surge Protection and Voltage Transient Protection	
Power Adapter & Mounting Arms	Product Specified Power Adapter & Mounting Arms Should Supply With package	
Warrenty	1 year	
Bidder compliance	All the technical parameters should be confirmed by bidder and the product datasheet should be submitted.	

4. 128 GB Micro SD (TF) card

Minimum Technical Specification of 128 GB Micro SD (TF) card		Bidders offer	Remarks
Brand:	(Should be mentioned by bidder)		
Model No.	(Should be mentioned by bidder)		
MicroSI Availabl Max. rea Max. wr File syst	of, shockproof, X-ray proof, wide temperature range Compatible with DHC, MicroSDXC, MicroSDHC UHS-Iand MicroSDXC, UHS-I host devices e capacity: 120.0 GB and speed: 95 MB/s ite speed: 45 MB/s em: FAT32		
MicroSI	bility: Compatible with MicroSDHC, MicroSDXC, MicroSDHC UHS-I and DXC UHS-I host devices y period: 1 year		

5. 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 24×7 Operation (AFR)	0.35%		
Nonrecoverable Read Errors per Bits Read	1 sector per 10E15		
Power-On Hours per Year (24×7)	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	261, 249	
OD (MB/s, MiB/s)		
Random Read/Write 4K QD16	170/440	
WCD (IOPS)		
Average Latency (ms)	4.16	
Interface Ports	Single	
Rotation Vibration @ 20-1500	12.5	
Hz (rad/sec²)		
Power Consumption		
Idle A (W) Average	5.00W	
Max Operating, Random	10.0, 6.3	
Read/Write 4K/16Q (W)		
Power Supply Requirements	+12 V and +5 V	
Environmental		
Temperature, Operating (°C)	$5^{\circ}\text{C} - 60^{\circ}\text{C}$	
Vibration, Nonoperating: 2 to	2.27	
500Hz (Grms)		
Shock, Operating 2ms	50	
(Read/Write) (Gs)		
Shock, Nonoperating 2ms (Gs)	200	
Warranty (years)	1	
Compliance	HDD Should be compactable to existing Storage Server	
	hardware "DS-A81016S"	

6. Camera License

• Camera license for Hik-Central Professional

7. 8-port Smart PoE Switch

Minimum Technic	Minimum Technical Specification of 8 port Smart PoE Switch		
Brand:	(Should be mentioned by bidder)		
Model No.	(Should be mentioned by bidder)		
Ports	8 Gigabit PoE port,2 Gigabit fiber optical port		
MAC Address	4 K		
Table			
Packet	14.88 Mpps		
Forwarding Rate			
Switching	20 Gbps		
Capacity			
PoE Ports	Hi-PoE: Ports 1 to 2, PoE: Ports 3 to 8		
PoE Standard	IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt		
surge protection	6 KV		
Max. Port Power	Port 1 to 2: 90 W port 3 to 8:30 W		
PoE Power	110 W		
Budget			
Power Supply	57 VDC, 2.5 A		
Port Isolation	port isolation mode to improve network security		
PoE Watchdog	auto detect and restart the cameras that do not respond		
Working Mode	Standard mode (default), Extend mode		
Shell	Metal material, fan-free design		
Warrenty	1 year		
Bidder	All the technical parameters should be confirmed by bidder and the		
compliance	product datasheet should be submitted.		

8. 16 ports smart PoE switch

offer of the state	Minimum Technical Specification of 16 port Smart PoE Switch	Bidders	Remarks
	क्रिक गायांकिक है।	offer	



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.	

9. Gigabit Fiber SFP Transceiver Module Single Mode

Gigabit 20KM Single mode bidirectional SFP Module		Bidders offer	Remarks
S	Minimum Technical Specification of Gigabit 20KM Single mode bidirectional SFP		
No.	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: Min9dbm and Max3dbm		
	Max power budget 11db		
	Receive Sensitivity: -20dbm		
5	FO module should be compatible to proposed switch.		
6	Warrenty: 1 year		
Produ	act datasheet and ISO certificate should be submitted.		

10. PVC POE Switchbox

Technical Specification of PVC POE Switchbox		Bidders offer	Remarks
Size	11x12.5x5 inches		
Universal Extension Power Cord	Yes		
Extension Power Cord Sockets	3		
Material	PVC plastic		
waterproof	Yes		
Overload Fuse Protection	Yes		

11. 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 1.5 mounting angle 1.2mm		
Degree of Protection	1P20		



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 degrees.			

12. Fiber Drop Wire 75/100/150/200 meter

• Single 0r multi-core messenger drop wire with connector compatible to Gigabit Fiber SFP Transceiver Module Single Mode

13. 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)

14. CAT6 Cable

Minimum Technical Specification of Indoor Cat 6 Cable		Bidders offer	Remarks
Brand:	(Should be mentioned by bidder)		
Model:	(Should be mentioned by bidder)		
Cable type	U/UTP		
Conductor material	Copper		
Conductor surface	Bare		
Diameter conductor	0.56 mm		
Nominal cross-section conductor	0.25 mm ²		
AWG size	23		
Number of cores	8		
Number of stranding elements	4		
Stranding element	Pairs		
Specification core insulation	Polyethylene (PE)		
Core identification	Color		
Screen over stranding element	None		
Specification material outer sheath	Polyethylene (PE)		
Armoring/reinforcement	None		
Cable geometry	Round		
Cable Length	305 M/1000 FT		

Minimum Technical Specification of Outdoor Cat 6 Cable		Bidders offer	Remarks
Brand:	(Should be mentioned by bidder)		
Model:	(Should be mentioned by bidder)		
Category	Cat 6A		
Usage Scenario	Outdoor		
Conductor Material	Solid-Bare Copper		
Conductor Diameter	0.565± 0.005 mm 23AWG		
Insulation Diameter	$1.12 \pm 0.1 \text{ mm}$		
Length	$305 \pm 1.5 \text{ m}$		
Rip Cord	Yes		
Separator	Yes		
Fire Resistance	CPR Fca		
Number of cores	8		



Number of stranding	4	
elements		
Stranding element	Pairs	

15. 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		

16. 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.





