



GOVERNMENT COLLEGE OF ENGINEERING, KALAHANDI
AT: Kand Bandopala, PO: Bhawanipatna Engg. College,
Dist: Kalahandi, PIN 766003, ODISHA.

No:GCEK/1043

Date: 18.11.2022

QUOTATION CALL NOTICE FOR CCTV SURVEILLANCE

Sealed quotations are invited for the supply and installation of CCTV Surveillance for the Class rooms of Govt. College of Engineering, Kalahandi, Bhawanipatna. Interested parties/suppliers may apply in the prescribed format which can be downloaded from the website (<http://www.gcekbpatna.ac.in>). The Last date of receipt the quotation is **05.12.2022 at 5.00 PM**. Quotations will be opened on **06.12.2022 at 1.00 PM**. The sealed quotations super-scribing the quotation call notice number should be submitted to "The Principal, Govt. College of Engineering, Kalahandi, Bhawanipatna, At: Bandopala, Po: Bhawanipatna Engg. College, Kalahandi-766003." through Speed Post / Registered/ Courier etc. Quotations received after the scheduled date and time will be summarily rejected. The authority reserves the right to accept or reject any quotation without assigning any reason thereof.

Sd/-
PRINCIPAL

Enclosed: Section- I: Term & Conditions and Important Instructions for Bidders.

Section-II: Price Schedule and Specification of the Items.

SECTION-I: Terms & Conditions:-

1. Quotation will be received by speed post / registered post / courier service / person in sealed cover addressed to "The Principal, Govt. College of Engineering, Kalahandi, Bhawanipatna, At: Bandopala, Po: Bhawanipatna Engg. College, Kalahandi-766003." It should be mentioned the Quotation Call Notice No. above the envelope for reference.
2. Bidders are requested to provide details address along with Pin Code, Contact No. and e-mail ID for easier communication.
3. The Price Bid should clearly mention the grand total price (without taxes), applicable taxes, and grand total price (with taxes). The quantity of item may increase/decrease by 25 % at the time of placing purchase order.
4. DELIVERY OF GOODS: The material shall be delivered and installed at **GCEK, Bhawanipatna** within 01 month from the date of issue of Purchase Order. The goods on delivery will be physically verified by GCEK, Bhawanipatna through authorized officers of this institute.
5. Warranty and free maintenance for a period of one (01) year on all products.
6. During transportation any damage of material will be responsible by the bidders.
7. No advance payment shall be made. Any cost of transportation to be managed by the bidder at his own cost. Undersigned will not take any responsibility of transportation of items.
8. Rate should be quoted per Unit including all taxes and it cannot be changed after dropping the quotation.
9. Necessary Taxes will be deducted as per Govt. norms
10. GST Registration (Permanent / Provisional) Certificate is mandatory for dropping the quotation. (Self-attested photocopy to be enclosed along with the quotation & Original when asked for after opening the quotation). Quotation without these enclosures will be rejected.
11. Bill should be submitted in triplicate for payment with relevant delivery challan on proper certification. Payment will be made after completion of supply of required items in good conditions.
12. Necessary Certificate like GST registration, PAN Card and bank details should be attached with the bill. Income tax as per rule will be deducted from bill.
13. The undersigned reserves the right to accept or reject any quotation including the lowest one without assigning any reason what so ever.

Sd/-
PRINCIPAL

General Information

1. BIDDER PARTICULARS (To be filled by the bidder)

Sl.	Particulars	
i	Name of the Firm/Bidder/Supplier :	
ii	Name of the Proprietor/Partner/Director :	
iii	Email address:	
iv	Telephone Number(s):	
v	Sale Tax/ GSTIN/ Service Tax Registration No.:	
vi	Permanent Account No.(PAN):	

2. DOCUMENTS TO BE SUBMITTED:

- i) Self-attested copy of PAN
- ii) Self-attested copy of GSTIN / Sales Tax / Service Tax Registration certificate
- iii) Duly signed form showing price (Section-II)

Note: If the above documents are not submitted the quotation will be summarily rejected.

Section-II

Name of the Firm/Bidder/Supplier:

Price Schedule

Sl. No.	Name of the product	Brand and Model no.	Quantity	Rate per unit in Rupees including GST	Total Price for full quantity in Rs
1.	2 MP IP DOME CAMERA		16 Pieces		
2.	2 MP IP BULLET CAMERA 20 MTR		4 Pieces		
3.	32 CHANNEL 4K NVR WITH TWO SATA PORT		1 Pieces		
4.	6 TB SURVEILLANCE BASED HARD DISC		2 Pieces		
5.	SWITCH-8 POE		4 Pieces		
6.	2U DVR/ NVR Rack		3 Pieces		
7.	4U DVR/ NVR Network Rack		1 Pieces		
8.	CAT6 Cable		600 meter		
9.	PIPE: 1" PVC PIPE AND FLEXI PIPE		80 Pieces		
10.	RJ45 CONNECTOR		50 Pieces		
11.	Installation Charge				
Grand total					

Signature of the Bidder

SPECIFICATION:

1. 2 MP IP DOME CAMERA:

Image Sensor	1/2.8" 2MP PS CMOS Image Sensor (7.112 centimeters)
Minimum Illumination	0.01Lux@F2.0
Effective Pixels	1920(H)x1080(V)
BodyType	Dome
Shutter Speed	Auto/Manual, 1/3~1/100000s
White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Lens	3.6mm fixed lens (2.8mm optional)
Max Aperture	F2.0
Gain Control (AGC)	Auto/Manual
Lens Type	Fixed
S/N Ratio	>56dB
DORI Distance	3.6mm– 49.7m (Detect) 19.9m (Observe) 9.9m (Recognize) 5m (Identify) 2.8mm– 38.6m (Detect) 15.4m (Observe) 7.7m (Recognize) 3.9m (Identify)
Video Compression	H.265+/H.265/H.264+/H.264H/H.264B/MJPEG
Angle of View	3.6 mm: Horizontal: 84°; Vertical: 45°; Diagonal: 100° 2.8 mm: Horizontal: 102°; Vertical: 54°; Diagonal: 120°
Back Light Comp.	BLC/ HLC/ DWDR
Frame Rate	Main Stream: 1920 × 1080 (1 fps–25/30 fps) Sub stream: 704 × 576 (1 fps–25 fps) 704 × 480 (1 fps–30 fps)
Resolution	2MP (1920 × 1080); 1.3MP (1280 × 960);720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640× 480); CIF (352 × 288/352 × 240)
Motion Detection	Off / On (4 area, Rectangle)
Privacy Mask	4 areas
ICR	Auto(ICR)/Color/B/W
ROI	Yes (4 areas)
Bit Rate	H.265: 12 Kbps–6144 Kbps H.264: 32 Kbps–6144 Kbps
Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; SMTP; FTP; DHCP; DNS; NTP; Multicast; ONVIF (Profile S/Profile T); CGI; P2P; Genetec
Ethernet	RJ-45 (10/100Base-T)
User Account	6 Users
Smart Phone	iPhone, iPad, Android Phone
IR Range	IR Range of 30 Mtr., Smart IR
Operating Temperature	-40°C to +60°C (-40°F to +140°F)/less than ≤ 95%
Power Source	DC12V, PoE (802.3af)

Power Consumption	1.4W (12V DC); 2.2W (PoE)
Weatherproof Standard	IP67
Dimension	85.5 mm × Φ109 mm
Casing	Metal + Plastic
Weight	0.24kg

2. 2 MP IP BULLET CAMERA 20 MTR

Image Sensor	1/2.8" 2MP PS CMOS Image Sensor (0.9071 centimeters)
Minimum Illumination	0.01Lux@F2.0
Effective Pixels	1920(H)x1080(V)
BodyType	Bullet
White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Lens	3.6mm fixed lens (2.8mm optional)
S/N Ratio	>56dB
Gain Control (AGC)	Auto/Manual
Shutter Speed	Auto/Manual, 1/3~1/100000s
Video Compression	Smart H.265+/H.265/Smart H.264+/H.264/H.264B/ MJPEG (only supported by the sub stream)
Max Aperture	F2.0
Angle of View	3.6 mm: Horizontal: 84°; Vertical: 45°; Diagonal: 100° 2.8 mm: Horizontal: 102°; Vertical: 54°; Diagonal: 120°
Lens Type	Fixed
Back Light Comp.	BLC/ HLC/ DWDR
Frame Rate	Main Stream: 1920 × 1080 (1 fps–25/30 fps) Sub stream: 704 × 576 (1 fps–25 fps) 704 × 480 (1 fps–30 fps)
DORI Distance	3.6mm– 49.7m (Detect) 19.9m (Observe) 9.9m (Recognize) 5m (Identify) 2.8mm– 38.6m (Detect) 15.4m (Observe) 7.7m (Recognize) 3.9m (Identify)
Resolution	1080P (1920 × 1080); 1.3M(1280 × 960);720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Motion Detection	Off / On (4 Zone, Rectangle)
Privacy Mask	4 areas
ICR	Auto(ICR)/Color/B/W
ROI	Yes (4 areas)
Bit Rate	H.265: 12 Kbps–6400 Kbps H.264: 32 Kbps–6144 Kbps
Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; SMTP; FTP; DHCP; DNS; NTP; Multicast; ONVIF (Profile S/Profile T); CGI; P2P; Genetec
Ethernet	RJ-45 (10/100Base-T)
User Account	20 Users

Smart Phone	iPhone, iPad, Android Phone
Event Trigger	Network disconnection; IP conflict; illegal access; motion detection; video tampering; safety exception
IR Range	IR Range of 30 Mtr.
Operating Temperature	-40°C to +60°C (-40°F to +140°F)/less than ≤ 95%
Power Source	DC12V, PoE (802.3af)
Power Consumption	1.4W (12V DC); 2.2W (PoE)
Weatherproof Standard	IP67
Dimension	162.6 mm × Φ70 mm
Casing	Metal + Plastic
Weight	0.22Kg

3. 32 CHANNEL 4K NVR WITH TWO SATA PORT

Video Resolution	3840× 2160, 1920× 1080, 1280× 1024, 1280× 720, 1024× 768
Operating System	Embedded LINUX
IP Camera Input	32 channel
Two-way Talk	1 channel Input, 1 channel Output, RCA
User Interface	GUI
Playback	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
Recording Mode	Manual, Schedule(Regular(Continuous), MD, Alarm), Stop
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second), smart search
Backup Mode	USB Device/Network/Internal SATA burner/eSATA Device
Video Loss	supports
Protocols	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search, ONVIF 2.4, CGI Conformant
Smart Phone	iPhone, iPad, Android Phone
Alarm Output	8 Channel, NO/NC Programmable, Green Terminal Interface
Hard Disk	8 SATA III Ports, up to 48TB, 1eSATA port
Processor	Dual-core embedded processor
Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Ethernet	2 RJ-45 port (10/100/1000Mbps), 2 Ethernet Ports Joint Working or 2 Independent 1000Mbps Ethernet Ports
Motion Detection	MD Zones: 396(22×18).

Alarm Input	16 Channel, Low Level Effective, Green Terminal Interface
Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec
Weight	<9kg (without HDD)
Video Output	2 HDMI (up to 3840 x 2160), 1 VGA
Power Supply	single, AC 110~240V, 50/60 Hz
Power Consumption	40W (without HDD)
Interface Ports	2 HDMI, 1 VGA, 4 ports (2 Rear USB3.0, 2 Front USB2.0), 1 eSATA port, 1 RS485, 1 RS232, 2 RJ45
Max User Account	128 users
Dimension	482mm x 450mm x 91mm
Video Recording	256Mbps
RAID	single, Raid 0/1/5/6/10/50/60 (Support global HDD hot-spare)
Working Temp	-10 ~+55°C / 10~90%RH / 86~106kpa

4. 6 TB SURVEILLANCE BASED HARD DISC

Form Factor	3.5-inch
Item Height	1.03 Inches
Item Width	4 Inches
Product Dimensions	14.71 x 10.16 x 2.62 cm;
Hard Drive Size	6 TB
Number of USB 2.0 Ports	1
Wattage	1 Watts
Item Weight	794 g

5. SWITCH-8 POE

PoE Mode	End-span
Switch Capacity	20Gbps
Surge Immunity	6KV
Uplink Ports	1x 10/100/1000Base-T Ethernet Ports & 1x 1000Base-X SFP Port
Operating Temperature	- 10°C~ 45°C
Power Consumption	5W
Net Weight(g)	500g
Dimension	200mm x 101.8mm x 27mm
Relatively Operating Humidity	5%-95%(Non-condensing)
PoE Output	Single PoE Output≤30W(54V DC), Whole machine PoE output≤120W
PoE Power Supply	1/2(+), 3/6(-)
PoE Standard	802.3af/at(PSE)
Power Source	DC 48V~57V
Downlink Ports	8x10/100/1000Base-T Ethernet Ports(PoE)
Exchange Capacity	storage&Fowarding
ESD Protection	Contact discharge 6K, Air discharge 8KV, Per: IEC61000-4-2
Packet Forwarding Rate	14Mpps
MAC Address List	4K

6. 2U DVR/ NVR Rack

DVR walls Mount is specially designed to safeguard our DVRs from Theft.
Basic frame: CRCA (MS SHEET) 0.8mm thick.
Construction: Welded.
Top & Bottom cover: cable entry cut-outs.
Front Door: Lockable Toughened / Clear Glass with Lock & Key.
Toughened Glass used as an excellent thief deterrent.
Standard finish: Powder coated.
Grey Color - fits in well with all indoor / outdoor aesthetics.
Differentiator Quality.
Industry leading design.
Static Load: 20 KG

7. 4U DVR/ NVR Network Rack

DVR walls Mount is specially designed to safeguard our DVRs/ NVRs from Theft.
Basic frame: CRCA (MS SHEET) 0.8mm thick.
Construction: Welded.
Top & Bottom cover: 2 Fan Provision with ventilation along with cable entry cut-outs.
Front Door: Lockable Toughened / Clear Glass with Lock & Key.
Toughened Glass used as an excellent thief deterrent.
Adjustable 19" equipment mounting verticals provided, with depth adjustable slots.
Standard finish: Powder coated.
Grey Color - fits in well with all indoor / outdoor aesthetics.
Differentiator Quality.
Industry leading design.
Static Load: 30 KG

8. CAT6 Cable

Connector Type:RJ45
Cable Type: Ethernet
Compatible Devices: Camera

9. PIPE: 1" PVC PIPE AND FLEXI PIPE

1" pvc pipe and flexi pipe will be used for wiring purpose.

10. RJ45 CONNECTOR

RJ45 modular plug supports 4 twisted pairs, 8 positions, 8 connectors of 100pcs /Pack,Housing: PC, UL94V-2, transparent color Contact Terminal: Copper Alloy, Finished: 03MU micro-inch gold plating, Operating temperature:- 40°C to 80°C,Use for 24-26 AWG stranded wires, meet wiring scheme T568A/T568B.
--