



PRANANATH COLLEGE (AUTONOMOUS)

KHORDHA – 752057 (ODISHA)

NAAC Accredited 'A' Level

Tender Document

For

**“Supply Installation of CCTV SURVEILLANCE SYSTEM”
at**

Prananath College (Autonomous)

Tender Document No: 19152904/2023-24/OHEPEE/001

Dated: 13.04.2023

Issued By:

Principal,

Prananath College (Autonomous), Khordha-752057

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SCHEDULE OF TENDER

Tender No.	19152904/2023-24/OHEPEE/001
Name of the tender issuer	Principal, Prananath College (Autonomous), Khordha
Scope of Work	Supply of “supplying and commissioning of CCTV under OHEPEE”
Quantity to be supplied	As per Annexure I
Cost / fee of Tender Documents	Rs. 750/- in form of DD drawn in favour of Principal, Prananath College (Autonomous) payable at Khordha
Earnest Money Deposit (EMD)	2% of Bid Value
Performance Bank Guarantee (PBG)	5% of Bid Value
Date of issue of tender document	13.04.2023
Date & Time of Pre Bid clarification	21.04.2023
Last Date & Time for Submission of Bids	04.05.2023 & 05.00 PM
Date & Time of Opening of Technical Bids	05.05.2023 & 11.00 AM
Date & Time of Price Bid Opening	06.05.2023 & 11.00 AM
Name of the contact person for communication	Dr. Priyabrata Mohanty, Reader in Chemistry
Contact Number of the concern person	9437046757
Address for communication	Principal, Prananath College (Autonomous), Khordha, 752057

ELIGIBILITY CRITERIA

The bidders who are desirous for above work require fulfilling the following conditions:

- 1) Must be registered under GST Act.
- 2) Must have average annual turnover for the last three years i.e. 2020-21, 21-22, & 22-23 should not be less than Rs 3 Lakhs. The bidder must submit copy of audited balance sheet and profit & loss account certified by the Chartered Accountant along with the acknowledgement of Income tax return as a proof in the Technical bid.
- 3) Should not have been blacklisted by any State Govt. / Central Govt. / PSU in India. A self-declaration is required as per **Annexure IV**.
- 4) Experience of having successfully completed similar* jobs during last 3 years (as of 30.04.2020 - 30.04.2023) as follows:-

One similar* completed work costing not less than Rs 5 Lakhs.

OR

Two similar* completed works each costing not less than Rs 2 Lakh

***Similar work – supply and commissioning of CCTV**

***The bidder is required to submit the work order**

- 5) Must have a valid PAN.
- 6) Preferably with 24 hours customer care.

BID SUBMISSION

Steps to be followed for submission of bid:

1. The bid shall be submitted in three parts, the EMD, Technical Bid & the Price Bid.
 - i) **Earnest Money Deposit (EMD):** Bidder has to submit EMD of required amount in the form of Demand draft order drawn in favour of “**Principal, Prananath College (Autonomous)**” payable at Khordha. The EMD should be sealed in one envelope marked as “EMD”.

Earnest Money Deposit will not carry any interest. The EMD of unsuccessful bidders will be refunded on acceptance of the work order by the successful bidder. The EMD of successful bidder will be returned / adjusted on submission of performance security.

The bid not accompanying EMD is liable to be rejected.

- ii) **The Technical bid** sealed in another envelope marked as “Technical Bid” and shall contain
 - The bidder should supply the items as per technical specification mentioned in **Annexure I**.
 - The bidder should Details as per **Annexure II**, duly filled in, signed and complete in all respects. No alteration / modification in the format shall be permitted.
 - A self-declaration that the renderer has not been blacklisted by any State Government/ / Central Govt. / PSU in India as per **Annexure IV**.
 - Audited balance sheet and profit & loss account along with copy of acknowledgement of Income Tax return of last three financial years i.e. 2020-21, 21-22, & 22-23.
 - Details of successfully completed or work in progress of similar jobs (as explained in point 4 of Eligibility Criteria) during last 3 years as per **Annexure V**.
- (iii) **The Price bid** shall be sealed in an envelope marked as “Price Bid” and shall contain the price bid as per **Annexure III** duly completed in all respects.
Rate quoted should be inclusive of GST. No extra cost will be borne by the college towards transport of goods and installation. No price increase on account of change in tax structure, duties, levies, charges etc shall be permitted

The three separate envelope containing EMD, technical bid and price bid should be sealed in one envelope and should be addressed as per tender schedule super-scribed as “**Supply of CCTV surveillance system**”.

GENERAL TERMS AND CONDITIONS OF THE BID

Note: Bidders must read these conditions carefully and comply strictly while submitting their bids.

- 1) Bidder shall prepare the bid and submit it in a sealed envelope addressed to Principal, Prananath College (Autonomous), Khordha and send it through **Speed Post/Registered Post/Courier only (no hand delivery will be entertained)**. Each envelope should bear the name of bidder, along with the tender number. However the authorities shall not be responsible for postal and other delays in receipt of the bids.
- 2) Bidders are requested to check for any notice /amendment/ clarification etc. to the Tender Document through the website <https://www.pnautonomouscollege.in> / **Notice board of the office of Prananath College (Autonomous), Khordha**. No separate notification will be issued for such notice / amendment /clarification etc. in the print media or individually.
- 3) The Bidders should note that Prices should not be indicated in the Technical bid and should be quoted only in the Price Bid as per Annexure III. In case the prices are indicated in the Technical bid, the bid shall stand rejected.
- 4) **"PRE-BID Meeting"** with the intending bidders shall be held on 21.04.2023 at 11:00 A.M. at Prananath College (Autonomous), Khordha. Any queries related to this tender shall be sent to the mail id: **prananathautonomouscollege@gmail.com** one day in advance. The clarifications if any will be uploaded in the College web site. All bidders are invited to attend the pre-bid meeting. No deviation to any of the terms will be permitted after freezing of the same at pre-bid meeting.
On the date of pre bid meeting the bidders may make site verification where installations is to be made.
- 5) **OPENING OF TECHNICAL BID**

The Technical proposal will be opened on **05.05.2023 at 11:00 A.M** in the presence of the tender Committee and representative of the bidders. No separate intimation will be given to the bidders in this regard.
- 6) **EVALUATION PROCESS**

Technical proposals will be evaluated on the basis of compliance to eligibility criteria, technical specification, and other terms & conditions stipulated in the tender document. Financial proposal will be opened only of those bidders who qualify in the technical evaluation. The Committee reserves the right to reject any or all the tenders without assigning any reason thereof.

- 7) **Award of Contract:** Financial bids with lowest price quotation for the assignment as per Annexure-III will be considered for negotiations and award of contract. However where there is tie between bidders in lowest evaluated package price, **the bidder having highest financial turnover in the preceding 3 financial year will be given preference.**
- 8) **PERFORMANCE BANK GUARANTEE:** The selected bidder shall deposit performance security of 5% of Bid Value in the form of a demand draft/ fixed deposit receipt from a commercial bank / bank guarantee from a commercial bank within fifteen (15) working days of the date of notice of award of the tender. **The performance security deposit will be retained till completion of the warranty period.**
- 9) **WARRANTY:** The **CCTV** which are to be supplied to the College should be NEW as on date of receipt and should be having all components required. The entire System including accessories will remain under **onsite comprehensive maintenance and warranty for a period of at least five year** from the date of successful installation.
- 10) The bids not submitted in prescribed format or in prescribed manner, shall be rejected by the Tender Committee at the risk and responsibility of the bidder.
- 11) All the information as called for in the tender document should be submitted truly, clearly, legibly, transparently, unambiguously and without using abbreviations.
- 12) In the financial bid the total figures should be written in figures followed by words
- 13) Each page of the tender document should be signed by the bidder with seal, in token of having understood and accepted the terms and conditions of the contract and serially numbered and page marked.
- 14) A bid submitted cannot be withdrawn. The bidder or his authorized representative (one person only) will be allowed to be present at the time of opening of tenders.
- 15) The Tendering Authority reserves the right to accept any bid, and to annul the bid process and reject all bids at any time prior to award of contract, without assigning reasons & without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for the action.
- 16) All the transit risks shall be the responsibility of the supplier.
- 17) All the disputes shall be subjected to the jurisdiction of Civil Courts situated in Khordha.

18) Any matter which has not been covered under these provisions shall be governed as per the provisions of Odisha State Government Rules.

19) If the work is found unsatisfactory or, if the firm dishonors the contract, the **Performance Security Deposit may be forfeited and the job may be entrusted to another firm**. In this regard the decision of the Committee is final and binding on the contractor.

20) Notice given by one party to the other pursuant to this contract shall be sent in Any writing to **Principal, Prananath College (Autonomous), Khordha - 752057**.

21) **Payment Terms:** All payments will be made within 30 days of submission of invoice, based on completion of respective terms & conditions. TDS will be deducted as per the rules. The invoice will be raised in favour of **Principal, Prananath College (Autonomous), Khordha**.

22) **Completion Period:** The work shall be completed in all respect within 30 days from date of issue of work order

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LIST OF MATERIALS

Sl. No.	Item Description	QTY	Unit Price
1	64 CH 04 SATA Network Video Recorder with H.265/H.264 Dual Codes Decoding Support with onvif Support.	1	
2	32 CH 04 SATA Network Video Recorder with H.265/H.264 Dual Codes Decoding Support with onvif Support.	1	
3	2MP Dome PS CMOS Image Sensor (7.112 centimeters) outdoor IP dome camera having cmos image sensor ,DWDR, Day/Night(ICR), 3D-DNR, ROI, AWB, AGC, BLC, HLC) complete with all features i.e IR range of 30mtr,25fps/30fps, Day/nightvision,zooming facility.	1	
4	2MP Bullet PS CMOS Image Sensor (6.858centimeters)outdoor IP dome camera having cmos image sensor ,DWDR, Day/Night(ICR), 3D-DNR, ROI, AWB, AGC, BLC, HLC) complete with all features i.e IR range of 30mtr,25fps/30fps, Day/nightvision,zooming facility.	1	
5	2MP Full HD IR Network Bullet Camera 2MP PS CMOS Image Sensor (7.112 cm),H.265+ and H.264+ dual-stream encoding,DWDR, Day/Night (ICR), 3D-DNR, ROI, AWB, AGC, BLC, HLC, 3.6mm lens (6mm optional), zooming facility.IR range 50mtr .	1	
6	8 Port POE Giga Switch 10 Ports Switch with 8 Gigabit PoE Ports & 2 Gigabit Uplink Ports	1	
7	16 Port Gigabit AI PoE Switch 2 Gigabit SFP ports	1	
8	24 Port Gigabit PoE Switch 2 Gigabit SFP ports	1	
9	24 AWG CAT6 Double Jacket Cable	Mtr	
10	RJ45 Connector Module Plugs	1Pkt	
11	PVC Conduit Pipes	1mtr	
12	Cat 6 wire cover flexible conduit corrugated tube pipe	1mtr	
13	Wall Mount Modular Rack 2U Size; with acrylic I ber glassdoor; Lockn key - (450MMx 350MM)	1	
14	Wall Mount Modular Rack4U Size; with toughened glassdoor; Lock n key (550MM x 350MM)	1	
15	Wallmount 6U 450D With Front Glass Door Lock & Key 550 6U - loaded with cable Tray + PDU (six Socket) + Fan	1	
16	Installation & Commissioning	Per Cam	
17	Lying of cables with PVC Conduit pipes	per Mtr	
18	Surveillance Hard Disk, 8TB	1	
19	Surveillance Hard Disk, 16TB	1	

Network video recorder Specification with 04 SATA		
Sl. No.	Item Description	General Specification
1	Processor	Quad-core embedded processor
2	Operating System	Embedded LINUX
3	IP Camera Input	64 channel
4	Two-way Talk	1 channel Input, 2 channel Output, RCA
5	User Interface	GUI
6	Video Output	2 HDMI , 2 VGA
7	Video Resolution	HDMI1: 3840 × 2160 , 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768 VGA1: 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768 ; HDMI2/VGA2: 1920 × 1080
8	Video Recording	Max 320Mbps
9	Video Display Split	1st Screen: 1/4/8/9/16/25/36/64, 2nd Screen: 1/4/8/9/16
10	Channel	64 channel
11	Motion Detection	MD Zones: 396(22×18).
12	Video Loss	Supports
13	Alarm Input	16 Channel
14	Bandwidth Incoming	320Mbps
15	Alarm Output	6 Channel
16	Smart Phone	iPhone, iPad, Android Phone
17	Hard Disk	4 SATA III ports, up to 10TB Each, 1 eSATA port
18	Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
19	Recording Mode	Manual, Schedule (Regular, MD (Motion Detection), Alarm, IVS), Stop
20	Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
21	Backup Mode	USB Device/Network/eSATA Device
22	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
23	Max User Account	128 users
24	Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec
25	Ethernet	2 RJ-45 port (10/100/1000Mbps)
26	Interface Ports	3 USB(2 Rear USB3.0, 1 Front USB2.0), 1 RS485, 1 RS232
27	Protocols	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search, P2P, ONVIF 2.4, CGI Conformant
28	Power Supply	Single, AC 100~240V, 50/60 Hz
29	Power Consumption	<16.7W (without HDD)
30	Working Temp	-10 ~+55°C / 10~90%RH / 86~106kpa
31	Certification	CE,FCC,ROHS,UL ,BIS

2MP IP Bullet Camera IR Range 30mtr Technical specification		
SL No	Item Description	General Specification
1	Image Sensor	1/2.7" 2MP PS CMOS Image Sensor (6.858 centimeters)
2	Minimum Illumination	0.01Lux@F2.0
3	Effective Pixels	1920(H)x1080(V)
4	BodyType	Bullet
5	White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
6	Lens	3.6mm fixed lens (2.8mm optional)
7	S/N Ratio	>56dB
8	Gain Control (AGC)	Auto/Manual
9	Shutter Speed	Auto/Manual, 1/3~1/100000s
10	Video Compression	Smart H.265+/H.265/Smart H.264+/H.264/ H.264B/ MJPEG (only supported by the sub stream)
11	Max Aperture	F2.0
12	Angle of View	3.6 mm: Horizontal: 84°; Vertical: 45°; Diagonal: 100° 2.8 mm: Horizontal: 102°; Vertical: 54°; Diagonal: 120°
13	Lens Type	Fixed
14	Back Light Comp.	BLC/ HLC/ DWDR
15	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)
16	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)
17	Resolution	1080P (1920 × 1080); 1.3M(1280 × 960);720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
18	Motion Detection	Off / On (4 Zone, Rectangle)
19	Privacy Mask	4 areas
20	ICR	Auto(ICR)/Color/B/W
21	ROI	Yes (4 areas)
22	Bit Rate	H.265: 12 Kbps–6400 Kbps H.264: 32 Kbps–6144 Kbps
23	Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; SMTP; FTP; DHCP; DNS; NTP; Multicast; ONVIF (Profile S/Profile T); CGI; P2P; Genetec
24	Ethernet	RJ-45 (10/100Base-T)
25	User Account	20 Users
26	Smart Phone	iPhone, iPad, Android Phone
27	Event Trigger	Network disconnection; IP conflict; illegal access; motion detection; video tampering; safety exception
28	IR Range	IR Range of 30 Mtr.
29	Operating Temperature	-40°C to +60°C (-40°F to +140°F)/less than ≤ 95%
30	Power Source	DC12V, PoE (802.3af)
31	Power Consumption	1.4W (12V DC); 2.2W (PoE)
32	Weatherproof Standard	IP67
33	Certification	CE,FCC,ROHS,UL ,BIS

2MP IP Bullet IR Range 50mtr Camera Specification		
SL No	Item Description	General Specification
1	Image Sensor	1/2.8" 2MP Progressive scan CMOS (7.112 centimeters)
2	Effective Pixels	1920 (H) x 1080 (V)
3	Minimum Illumination	0.01Lux@F2.0
4	Shutter Speed	Auto/Manual, 1/3~1/100000s
5	S/N Ratio	>56dB
6	Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080P resolution and lower)
7	White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
8	Lens	3.6mm (6mm Optional)
9	DORI Distance	3.6mm- 49.7m (Detect) 19.9m (Observe) 9.9m (Recognize) 5.0m (Identify) 6mm- 82.8m (Detect) 33.1m (Observe) 16.6m (Recognize) 8.3m (Identify)
10	Gain Control (AGC)	Auto/Manual
11	Mount Type	M12
12	Close Focus Distance	2.8mm: 0.8m ; 6mm: 2.2m
13	Iris Control	Fixed
14	Max. Aperture	F2.0
15	Lens Type	Fixed-focal
16	Video Compression	H.265+/H.265/H.264+/H.264/H.264B/MJPEG (only supported by the sub stream)
17	Back Light Compensation	BLC / HLC / DWDR
18	Angle of View	3.6mm: Horizontal: 84°; Vertical: 45°; Diagonal: 100° 6mm: Horizontal: 53°; Vertical: 30°; Diagonal: 60°
19	Video Streaming	Main Stream: 1920 × 1080 (1 fps–25/30 fps) Sub stream: 704 × 576 (1 fps–25 fps) 704 × 480 (1 fps–30 fps)
20	Resolution	080P (1920 × 1080); 1.3MP (1280 × 960); 720P (1280 × 720); D1 (704 × 576/704 × 480); VGA (640× 480); CIF (352 × 288/352 × 240)
21	Motion detection	OFF/ON (4 areas, rectangular)
22	Privacy Mask	4 areas
23	ICR	Auto (ICR)/ Color/B/W
24	Audio	Built-in Mic
25	Audio Compression	G.711A; G.711Mu; G.726; PCM
26	ROI	Yes (4 areas)
27	Bit Rate	H.264: 32 Kbps–6144 Kbps ; H.265: 12 Kbps–6400 Kbps
28	Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; SMTP; FTP; DHCP; DNS; NTP; Multicast, ONVIF (Profile S/Profile T); CGI; P2P; Genetec
29	Ethernet	RJ-45 (10/100Base-T)
33	Browser	IE Chrome Firefox
34	IR Distance	IR Range of 50 Mtr., Smart IR
35	No. of IR LEDs	1
36	Edge Storage	FTP
40	Weatherproof Standard	IP67
41	Certification	CE,FCC,ROHS,UL ,BIS

2MP IP Dome IR range 30mtr Camera Specification		
SL No	Item Description	General Specification
1	Image Sensor	1/2.8" 2MP PS CMOS Image Sensor (7.112 centimeters)
2	Minimum Illumination	<u>0.01Lux@F2.0</u>
3	Effective Pixels	1920(H)x1080(V)
4	BodyType	Bullet
5	Shutter Speed	Auto/Manual, 1/3~1/100000s
6	White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
7	Lens	3.6mm fixed lens (2.8mm optional)
8	Max Aperture	F2.0
9	Gain Control (AGC)	Auto/Manual
10	Lens Type	Fixed
11	S/N Ratio	>56dB
12	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)
13	Video Compression	H.265+/H.265/H.264+/H.264H/H.264B/MJPEG
14	Angle of View	3.6 mm: Horizontal: 84°; Vertical: 45°; Diagonal: 100° 2.8 mm: Horizontal: 102°; Vertical: 54°; Diagonal: 120°
15	Back Light Comp.	BLC/ HLC/ DWDR
16	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)
17	Resolution	2MP (1920 × 1080); 1.3MP (1280 × 960);720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640× 480); CIF (352 × 288/352 × 240)
18	Motion Detection	Off / On (4 area, Rectangle)
19	Privacy Mask	4 areas
20	ICR	Auto(ICR)/Color/B/W
21	ROI	Yes (4 areas)
22	Bit Rate	H.265: 12 Kbps–6144 Kbps H.264: 32 Kbps–6144 Kbps
23	Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; SMTP; FTP; DHCP; DNS; NTP; Multicast; ONVIF (Profile S/Profile T); CGI; P2P; Genetec
24	Ethernet	RJ-45 (10/100Base-T)
25	User Account	6 Users
26	Smart Phone	iPhone, iPad, Android Phone
27	IR Range	IR Range of 30 Mtr., Smart IR
28	Operating Temperature	-40°C to +60°C (-40°F to +140°F)/less than ≤ 95%
29	Power Source	DC12V, PoE (802.3af)
30	Power Consumption	1.4W (12V DC); 2.2W (PoE)
31	Weatherproof Standard	IP67
32	Certification	CE,FCC,ROHS,UL,BIS

8 Port POE Giga Switch Specification		
SL No	Item Description	General Specification
1	Network Ports	8 10/100/1000Mbps PoE RJ45 port (port 1~port 8) 2 10/100/1000Mbps non-PoE RJ45 port (port 9~port 10)
2	Transfer Rate	1000Mbps full Duplex
3	Network protocol and standard	IEEE802.3i IEEE802.3u IEEE802.3x IEEE802.3ab IEEE802.3af IEEE802.3at
4	Performance	Bandwidth: 20Gbps(no block)
5	Frame filtering and Transmission rate	10M port maximum 14,800pps 100M port maximum 148,800pps 1000M port maximum 1,488,000pps
6	LED Indicator	Power, RESV, LINK/ACT
7	PoE Pin	1/2/4/5(+), 3/6/7/8(-)
8	Power Source	Max. output power single port: 30W Max Power supply: 96W
9	Operating Temperature	0~40°C
10	Humidity	10%~90%, Non-condensing

16 Port Gigabit AI PoE Switch 2 Gigabit SFP ports		
SL No	Item Description	General Specification
1	Network Standard	IEEE 802.3i IEEE 802.3u IEEE 802.3x IEEE 802.3ab IEEE 802.3af IEEE 802.3at
2	Port	16 10/100/1000Mbps RJ45 ports 2 Gigabit SFP ports
3	PoE	16 10/100/1000 Mbps RJ45 PoE Ports
4	Indicator	18 Link/Act Indicator light 16 PoE indicator light 1 Power indicator light
5	Performance	Backplane bandwidth: 36Gbps Packet forwarding rate: 23.8Mpps Support 8K MAC address list depth
6	Total Power Budget	150W
7	Single Port Max	30W
8	Power Source	100-240V/50-60Hz
9	Dimensions	440mm(L) x 180mm(W) x 44mm(H)

24 Port Gigabit PoE Switch 2 Gigabit SFP ports		
SL No	Item Description	General Specification
1	Network Standard	IEEE 802.3i IEEE 802.3u IEEE 802.3x IEEE 802.3ab IEEE 802.3af IEEE 802.3at
2	Port	24 10/100/1000Mbps RJ45 ports 2 Gigabit SFP ports
3	POE	24 10/100/1000 Mbps RJ45 PoE Ports
4	Indicator	26 Link/Act Indicator light 16 PoE indicator light 1 Power indicator light
5	Performance	Backplane bandwidth: 52Gbps Forwarding mode: storage and forwarding Packet forwarding rate: 38.69Mpps Support 8K MAC address list depth
6	Total Power Budget	250W
7	Single Port Max	30W
8	Power Source	100-240V/50-60Hz
9	Dimensions	440mm(L) x 180mm(W) x 44mm(H)

Cat6 Double Jacket Cable
<p>Exceed ISO/IEC 11801, IEC 61156-5, ANSI/TIA /EIA- 568-C.2 Class E Standards backward compatible to Cat5e Applications</p> <ul style="list-style-type: none"> • Excellent Margin with suppression of Cross Talk (NEXT) • Can be used for Outdoor Installation • 4 Pair Separator Design • 24 AWG cable • Available in Combination of PVC and LDPE Jacket .Temperature Rating --20 to +60°C .Impedance --100±15% Ω,Mutual Capacitance -5.6nf/100Mtr. Max .

OEM
The OEM of the offered products must have ISO 9001:2015, ISO 14001:2015, ISO 27001:2015, ISO 45001:2018 Certification.
The OEM must have CMMI Level 3 & Level 5 Certification
The quoted products must be ONVIF compliant not conformant. Online verification of OEM in ONVIF website must be available. No OEM should be banned or suspended by ONVIF within the last five years from the date of publishing the bid.
All Camera & NVR should be from same OEM.
All Camera must have BIS, FCC, CE , UL & RoHS Certification.
Dedicated Toll Telephone No. for Service Support: BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
The MAC address of the IP cameras must be registered in the name of OEM supplying the cameras.
The OEM presence should not be less than 10 Years in India.
The OEM must have their factory in India not less than 3 Years.
The OEM must have CB,WEEE,GDPR,ISO/IEC 27032:2012 ,Certification
The CCTV OEM should have its registered office and service and support center in City/State of installation. Required sales, service tax number/ certificate to be provided along with the bid.

ANNEXURE – II**DETAILS OF THE TENDERER**

Sl. No.	Particular	
1	Name of the Firm / Agency/ Company	
2	Registered Office Address & Complete postal address	
3	Telephone Number & E-mail ID	
4	Name of Authorized signatory (in block letters)	
5	Contact No. of authorized signatory	
6	Type of / Firm (Proprietary/ Partnership/ Pvt. Ltd./ Public Ltd.)	Tenderer has to provide relevant Documents (with the technical bid) as a proof of firm type.
7	Date of establishment and Experience in business (in number of years)	Work order to be attached for complying point no 4 of eligibility criteria
8	G.S.T. Registration No.	
9	PAN no.	
10	Details of Earnest Money Deposit i.e. Draft no, date and bank name	
11	Yearly turnover of the organization during last 3 years (year wise) and furnish audited balance sheet and Profit and Loss A/c for the last 3 years. 2020-21 2021-22 2022-23	
12	Furnish the names of 3 responsible persons along with their designation, address, Telephone No etc. for whose organization, you have completed / work in progress as mentioned in Annexure V and who will be in a position to certify about the performance of your organization.	

Date:**Place:****Signature & Seal of the Bidder**

ANNEXURE – III

PRICE SCHEDULE

To,
Principal,
Prananath College (Autonomous),
Khordha - 752057

Ref: Bid no. Dated

Sir,

I/We ----- hereby offer to supply the following items at the prices
and within the period indicated below:

Sl No.	Description	Make and Model	Qty. in Nos.	Unit Price	Total Amount
1					
2					
3					
4					
Total					

It is herewith certified that we have understood the general Terms and Conditions of the bid and our offer is to supply items strictly in accordance with the requirements and the terms mentioned in the bid.

Note

No change in the Performa is permissible.

Date:

Place: (Signature and seal of the bidder)

ANNEXURE – IV

SELF DECLARATION FOR NOT BLACK LISTED

To,
The Principal,
Prananath College (Autonomous),
Khordha - 752057

Ref: Tender no. ----- Dated: -----

Madam/Sir,

I / We..... here by confirm that our firm has not been
banned or blacklisted by any Government organization/Financial institution/Court
/Public sector Unit /Central Government.

Date:

Place:

Signature & Seal

ANNEXURE – V

Work „Executed/ in-progress“ as Prime Contractor on works of similar nature (of value not less than Rs 3 Lakhs) over the last -3- years

Sl. No	Name and address of Client	Description of work	Contract no.	Value of work (in lacs)	Date of issue of work order	Stipulated period of completion	Actual date of completion	Project Name	Remarks explaining reason for delay

Notes:

1. Information has to be filled up specifically in this format.
2. For certificates, the issuing authority shall not be less than an Executive In Charge
3. Document proofs of work orders and performance certificates from the client's needs to be attached.

(Signature and seal of bidder)