



**Request for Proposal (RFP)**

**for**

**Supply, Installation and Commissioning of  
CCTV with Essential Components**

**for**

**BPSPA, Bhubaneswar**

Tender No:52-RFP- CCTV with Essential Components-2024-25

Date:12/02/2025

Tender Fee: {Non-refundable Rs.590/- (Rs500/- + 18% GST (Rs.90/-))}

**A.I.G. of Police (Provisioning)**  
**Tender Calling Authority**  
**At/Po- Buxibazar, Cuttack, PIN – 753001**

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## **2. Disclaimer**

RFP document is neither an agreement nor an offer by the Odisha Police (the “Authority”) to the prospective Applicants or any other person. The purpose of this RFP is to provide information to the interested parties that may be useful to them in the formulation of their proposals pursuant to this RFP. The Authority does not make any representation or warranty as to the accuracy, reliability, or completeness of the information in this RFP document and it is not possible for the Authority to consider particular needs of each party who reads or uses this RFP document. This RFP includes statements which reflect various assumptions and assessments arrived at by Authority in relation to the consultancy. Such assumptions, assessments and statements do not purport to contain all the information that each Applicant may require. Each prospective Applicant should conduct its own investigations and analysis and check the accuracy, reliability and completeness of the information provided in this RFP document and obtain independent advice from appropriate sources.

Authority will not be responsible for any delay in receiving the proposals. The issue of this RFP does not imply that the Authority is bound to select an Applicant or to appoint the Successful Applicant, as the case may be, for the firm and the Authority reserves the right to accept / reject any or all of proposals submitted in response to this RFP document at any stage without assigning any reasons whatsoever. Authority also reserves the right to withhold or withdraw the process at any stage with intimation to all who submitted the Application in response to this RFP.

The information given is not an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. Authority accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on the law expressed herein.

Authority reserves the right to change/ modify/ amend any or all provisions of this RFP document. The amended RFP will be made available on the website of Authority.

### **Key Definitions:**

- i. “AUTHORITY” means Odisha Police, Office of the D.G & I.G. of Police, Odisha, Cuttack
- ii. “BIDDER” means the agencies/firms submitting proposal against this RFP
- iii. “AGENCY” means the selected bidder to carry out the assignment in accordance with the terms defined in this RFP
- iv. “Applicable Law” means the laws and any other instruments having force of law in India from time to time
- v. “Proposal/bid” means proposal submitted by bidders in response to the RFP issued by Odisha Police, Office of the D.G & I.G. of Police, Odisha, Cuttack
- vi. “Contract Value” means the price payable to the selected bidder under the Contract for the complete and proper performance of its contractual obligations.
- vii. “Day” means Working day as defined by Government of Odisha
- viii. “Services” means the work to be performed by the Agency pursuant to the selection by Odisha Police and to the contract to be signed by the AGENCY

### 3. Notice Inviting Tender



**Odisha Police**

**Office of the D.G & I.G. of Police, Odisha, Cuttack**

**Tel. :0671-2304001,**

**Website:**[www.odishapolice.gov.in](http://www.odishapolice.gov.in), **Email :** dir.bpspa@nic.in and [dirbpspa.orpol@nic.in](mailto:dirbpspa.orpol@nic.in)

**RFP No. 52-RFP- CCTV with Essential Components-2024-25 Date : 12.02.2025**

Online Bids through e-Tender Portal <https://tendersodisha.gov.in> are invited from the eligible bidders for procurement of CCTV with Essential Components for BPSPA, Bhubaneswar during the current financial year 2024-25 as per the schedule mentioned below.

Events	Date
RFP Issue Date	<b>12.02.2025</b>
Date & Time of Pre-Bid meeting Queries to be submit on <a href="mailto:dir.bpspa@nic.in">dir.bpspa@nic.in</a> and <a href="mailto:dirbpspa.orpol@nic.in">dirbpspa.orpol@nic.in</a> ,2 days prior to the pre -bid meeting as per the format prescribed in Annexure 5	In this connection a pre-bid technical committee will be held in virtual mode based on quires which is submitted by the bidder. and the link will be sent through mail for the meeting (Online Link shall be shared based on the request receive from bidder on <a href="mailto:dir.bpspa@nic.in">dir.bpspa@nic.in</a> and <a href="mailto:dirbpspa.orpol@nic.in">dirbpspa.orpol@nic.in</a> before 15:00 hours, by 15.02.2025 by 15.00 PM Venue_ O/o the BPSPA ,Bhubaneswar
RFP Submission Due Date and time	<b>24.02.2025 12:00 Noon</b>
Date & Time of Opening of Technical Bids	<b>25.02.2025 12:00 Noon</b>
Date & Time of Opening of Financial Bids	To be intimated
Tender Document fee	In favour of A.I.G. of Police (Prov.), Odisha, Cuttack payable at Cuttack. (Demand Draft)
EMD (Earnest Money Deposit)	In favour of A.I.G. of Police (Prov.), Odisha, Cuttack payable at Cuttack. (Demand Draft)

The bid document with all information relating to the bidding process including cost of bid document, Prequalification criteria and terms & conditions are available in the websites: <https://tendersodisha.gov.in> The Authority reserves the right to accept / reject any part thereof or all the bids without assigning any reason thereof.

**A.I.G. of Police (Provisioning,)  
Cuttack, Odisha  
(Tender Calling Authority)**

#### **4. Instruction to the Bidders**

1. The Odisha Police –Odisha Police (Tender Inviting Authority) is a Govt. organization working under Home Department, Govt. of Odisha.
2. The bid documents published by the Bid Inviting Officer (Procurement Officer/Publisher) in the e-procurement portal <https://tendersodisha.gov.in> will appear in the “Latest Active Tender”. The Bidders/ Guest Users can download the Bid documents from 12/02/2025 and submit it online from 20/02/2025, 5.00 PM after which the same will be removed from the list of “Latest Active Tender”.

#### **4.1 PARTICIPATION IN BID**

##### **4.1.1 PORTAL REGISTRATION:**

The bidder intending to participate in the bid is required to register in the e-procurement portal using an active personal/official e-mail ID as his/her Login ID and attach his/her valid Digital signature certificate (DSC) - Class II or III to his/her unique Login ID. He/ She has to submit the relevant information as asked for about the bidder. The portal registration of the bidder is to be authenticated by the State Procurement Cell after verification of original valid certificates/documents such as (i) PAN and (ii) Registration Certificate (RC) / GST Certificate (for Procurement of Goods) of the concerned bidder. The time period of validity in the portal is co terminus with validity of RC/ GST. Any change of information by the bidder is to be re-authenticated by the State Procurement Cell. After successful authentication, bidder can participate in the online bidding process.

##### **4.1.2 LOGGING TO THE PORTAL:**

The Bidder is required to type his/her Login ID and password. The system will again ask to select the DSC and confirm it with the password of DSC as a second stage authentication. For each login, a user's DSC will be validated against its date of validity and also against the Certificate Revocation List (CRL) of respective CAs stored in system database. The system checks the unique Login ID, password and DSC combination and authenticates the login process for use of portal.

##### **4.1.3 DOWNLOADING OF BID:**

The bidder can download the bid of his / her choice and undertake the necessary preparatory work off-line and upload the completed bid before the closing date and time of submission.

##### **4.1.4 CLARIFICATION OF BID:**

The registered bidder can ask questions related to the online bid in the e-procurement portal before the pre-bid meeting. The Odisha Police Headquarters, At-Buxi Bazar, Cuttack, (Email – [aig-prov.odpol@gov.in](mailto:aig-prov.odpol@gov.in) )will clarify queries related to the bid. Through e-mail by the e-mail ID: [aig-prov.odpol@gov.in](mailto:aig-prov.odpol@gov.in) and Contact No. 0671-2339517 or State e-Procurement cell help desk 1800-3456765, 0674-2530998 for assistance in this regard.

##### **4.1.5 PAYMENT OF COST OF BID DOCUMENTS:**

The detail guideline for payment of Cost of Bid Document is mentioned at General Condition of contract

##### **4.1.6 SUBMISSION AND SIGNING OF BID**

The detail guideline for submission of & signing of bid is mentioned at General Condition of Contract

Note :For management of space the bidders can serially arrange their scanned documents as per Annexure 1,2(all pages should be signed by authorized signatory with seal and then to be scanned) and create two equalized PDF files and upload them to avoid any space constraint.

The **BOQ** file (Excel file) is to be uploaded in the **price bid**.

## **5. General Definitions**

### **5.1 General Definitions**

- 5.1.1 *Department* means Odisha Police under Home Department, Government of Odisha.
- 5.1.2 *Government* means Government of Odisha.
- 5.1.3 *Bid / Tender Inviting Authority* is the Odisha Police or authorized person of Odisha Police (A.I.G. of Police (Provisioning), Odisha, Cuttack, who on behalf of the User Institution/Government or the funding agencies calls and finalize bids and ensure supply, installation and after sales service of the equipment's procured under this bid document.
- 5.1.4 *Tender Evaluation Committee & Technical Committee* are Committees authorized by the D.G. & I.G. of Police, Odisha, Cuttack to decide on the purchase of the items to be procured by the Odisha Police.
- 5.1.5 *User Institutions* are the Odisha Police under Home Department, Govt. of Odisha for which the items under this bid is procured.
- 5.1.6 *De-recognition/ Debarment* – the event occurring by the operation of the conditions under which the bidders will be prevented for a period of 3 years from participating in the future bids of Tender Inviting Authority, more specifically mentioned in the Specific Conditions of Contract and General Conditions of Contract of this bid document, the period being decided on the basis of number of violations in the bid conditions and the loss/hardship caused to the Tender Inviting Authority on account of such violations.

## **6. Objective**

The primary objective of procuring CCTV systems with the specified components for the Odisha Police Department is to enhance security, surveillance, and law enforcement efficiency. The key goals include:

- i. **Strengthening Perimeter Security:** To ensure long-range monitoring with high-resolution footage, even in low-light conditions and to help in detecting intrusions, tracking unauthorized movement, and preventing security breaches.
- ii. **Classroom & Indoor Surveillance:** To provide discreet, wide-angle coverage with minimal tampering risk which are Ideal for monitoring activities, ensuring student safety, and preventing misconduct.
- iii. **Enhanced Situational Awareness:** For offer real-time tracking, zooming, and panning to monitor crowded areas, junctions, and sensitive zones and for incident response, crowd control, and tracking suspicious activities.
- iv. **Traffic & Law Enforcement Support:** To aid in identifying and tracking vehicles for Traffic rule enforcement (detecting violations like overspeeding, red-light jumping) ,Crime investigation (tracking stolen or suspicious vehicles) and for smart city & policing initiatives (data-driven law enforcement)

- v. **Crime Prevention & Investigation:** High-resolution footage helps in post-incident analysis, facial recognition, and evidence collection and to supports quick response teams in real-time monitoring and assists in criminal investigations.
- vi. **Smart Surveillance Integration:** The system can be integrated with command control centers, AI-based analytics, and police databases for intelligent surveillance and predictive policing

## 7. Scope of Work:

The primary reason to procure to enhance security surveillance and law enforcement efficiency .The integrated system supports crime prevention incident response and policing initiatives Additionally, they will facilitate seamless communication, emergency response management, and public outreach, enabling a more effective and technology-driven policing system.. It should have following echnical specification.

### Technical Specification for CCTV and its accessories

#### 7.1 4MP BULLET CAMERA (OUTDOOR) WITH 80 M IR WITH AI

General Features	Parameters / Components	Specification (Minimum)
	Image Sensor	1/2.7"CMOS
	Min. Illumination	Color:0.001Lux@(F1.6,AGC ON),B/W:0Lux with IR
	Shutter Time	1s~1/100000s or better
	Day & Night	IR-cut filter with auto switch (ICR)
	Lens Type	Motorized
	Focal Length	2.7~13.5mm
	IR LEDs	4 or higher
	IR Distance	Min. 80m
	Video Compression	S+265/H.265/H.264B/H.264M/H.264H/Motion JPEG
	Video Bit Rate	32k~16Mbps
	Audio Compression	G.711A/G.711U/ADPCM_D/AAC_LC
	Audio Sampling Rate	8kHz/32kHz/48kHz
	<b>Image</b>	
	Max. Resolution	2560×1440 4 MP Resolution
	Main Stream	PAL:25fps(2880×1620, 2688×1520, 2560×1440, 2304×1296) 50fps(1920×1080, 1280×720) NTSC:30fps(2880×1620, 2688×1520, 2560×1440, 2304×1296) 60fps(1920×1080, 1280×720)
	Sub Stream	PAL:25fps(704×576, 704×288, 352×288, 640×360) NTSC:30fps(704×480, 704×240, 352×240, 640×360)
	Third Stream	PAL:25fps(1920×1080, 1280×720, 704×576, 640×360, 704×288, 352×288) NTSC:30fps(1920×1080, 1280×720, 704×480, 640×360, 704×240, 352×240)
	Camera Support	HLC, BLC, AGC, 3D DNR, ROI -8 areas Corridor Mode with 120dB WDR.
	OSD	Overlay of additional characters in 5 regions, 2 lines, with a maximum of 127 characters
	Picture Overlay	1*200x200 size BMP 24 color bit image overlay
	Privacy Mask	4 black static areas
	Defog	Yes
	<b>Other Features</b>	
	Alarm Trigger	Motion Detection; Mask Alarm; Voltage Alarm; Disk Full; Disk R/W Error; IP Address Conflict; MAC Address



		Conflict; FTP Server Exception; Event Input, Event Output
	Linkage Method to NVR Alarm	send email; trigger sound; trigger recording; trigger capture; notify surveillance centre
	Video Analytic	Human/Vehicle Classification; Tripwire; Double Tripwire; Perimeter; Face Capture
	Camera Support	Camera support ANR Function for data reattachment
	Protocols	HTTP; HTTPS; TCP/IP; UDP; UPnP; ICMP; IGMP; SNMP; DHCP; DNS; DDNS; Easy DDNS; NTP; SMTP; SSL; 802.1X; QoS; IPv4; IPv6; PPPOE; SSH; Unicast; Multicast; RTP; ARP; SRTP; RTSP; FTP; SFTP; NAS , security Encryption
	System Compatibility	ONVIF Profile S/T/G/M; CGI; Milestone; RTMP OEM Should Active member of ONVIF
	Communication Interface	1*RJ-45,10/100 Mbps self-adaptive Ethernet port
	Audio I/O	1; 1
	Alarm I/O	2-ch,TTL inputs,3mA,3.3VDC; 1-ch,relay output,1A,24VDC
	On-board storage	Support microSD/microSDHC/microSDXC card, up to 512 GB
	Operating Temperature	-40°C~65°C(No turning on the light)
	Operating Humidity	Humidity 95% or less (no condensation)
	Storage Humidity	Humidity 95% or less (no condensation)
	Power Supply	DC12V±25%,MAX 9.5W; POE 802.3at,MAX 10.5W
	Protection	IP67, Lightning protection, surge protection and voltage transient protection
	Certification of OEM	CE, FCC, BIS & RoHS
		ISO 9001, 14001, 27001 & 45001
	<b>Warranty</b>	
	On Site Warranty	<b>03 years or above</b>
<b>Additional Condition</b>	Compliances Sheet complied by OEM on letterhead and provide the products weblink on the compliances sheet.	

## 7.2 4MP DOME CAMERA (INDOOR) WITH 30 M IR WITH AI

General Features	Parameters / Components	Specification (Minimum)
	Image Sensor	1/2.7"CMOS
	Min. Illumination	Color:0.001Lux@(F1.6,AGC ON),B/W:0Lux with IR
	Shutter Time	1s~1/100000s or better
	Day&Night	IR-cut filter with auto switch (ICR)
	Focal Length	2.8mm
	IR Distance	30m or better
	Video Compression	S+265/H.265/H.264B/H.264M/H.264H/Motion JPEG
	Video Bit Rate	32k~16Mbps
	Audio Compression	G.711A/G.711U/ADPCM_D/AAC_LC
	Audio Sampling Rate	8kHz/32kHz/48kHz
	<b>Image</b>	
	Max. Resolution	2560×1440 4 MP Resolution
	Main Stream	PAL:25fps(2880×1620, 2688×1520, 2560×1440, 2304×1296)
		50fps(1920×1080, 1280×720)

		NTSC:30fps(2880×1620, 2688×1520, 2560×1440, 2304×1296) 60fps(1920×1080, 1280×720)
	Sub Stream	PAL:25fps(704×576, 704×288, 352×288, 640×360) NTSC:30fps(704×480, 704×240, 352×240, 640×360)
	Third Stream	PAL:25fps(1920×1080, 1280×720, 704×576, 640×360, 704×288, 352×288) NTSC:30fps(1920×1080, 1280×720, 704×480, 640×360, 704×240, 352×240)
	Camera Support	HLC, BLC, AGC, 3D DNR, ROI -8 areas Corridor Mode with 120dB WDR.
	Camera Support	Picture Overlay
		Privacy Mask
		Defog
	Alarm Trigger	Motion Detection; Mask Alarm; Voltage Alarm; Disk Full; Disk R/W Error; IP Address Conflict; MAC Address Conflict; FTP Server Exception; Event Input, Event Output
	Linkage Method to NVR Alarm	send email; trigger sound; trigger recording; trigger capture; notify surveillance centre
	Video Analytics	Tripwire; Perimeter; Object Abandon; Object Lost; Heatmap; Loitering; Running; Parking; People Counting; Video Abnormal; Audio Abnormal
	Camera Support	Camera support ANR Function for data reattachment
	Protocols	HTTP; HTTPS; TCP/IP; UDP; UPnP; ICMP; IGMP; SNMP; DHCP; DNS; DDNS; Easy DDNS; NTP; SMTP; SSL; 802.1X; QoS; IPv4; IPv6; PPPOE; SSH; Unicast; Multicast; RTCP; ARP; SRTP; RTSP; FTP; SFTP; NAS , security Encryption
	System Compatibility	ONVIF Profile S/T/G/M; CGI; Milestone; RTMP OEM Should Active member of ONVIF
	Communication Interface	1*RJ-45,10/100 Mbps self-adaptive Ethernet port
	Audio I/O	1; 1
	Alarm I/O	2-ch,TTL inputs,3mA,3.3VDC; 1-ch,relay output,1A,24VDC
	On-board storage	Support microSD/microSDHC/microSDXC card, up to 512 GB
	Operating Temperature	-40°C~65°C(No turning on the light)
	Operating Humidity	Humidity 95% or less (no condensation)
	Storage Humidity	Humidity 95% or less (no condensation)
	Power Supply	DC12V±25%,MAX 9.5W; POE 802.3at,MAX 10.5W
	Protection	IP66, IK10 , Lightning protection, surge protection and voltage transient protection
	Certification of OEM	CE, FCC, BIS & RoHS
		ISO 9001, 14001, 27001 & 45001
	<b>Warranty</b>	
	On Site Warranty	<b>03 years or above</b>
<b>Additional Condition</b>	Compliances Sheet complied by OEM on letterhead and provide the products weblink on the compliances sheet.	

### 7.3 4MP PTZ CAMERA WITH 30X OPTICAL ZOOM WITH 200M IR

General Features	Parameters / Components	Specification (Minimum)
	Camera	

	Image Sensor	1/2.7" CMOS
	Min. Illumination	Color: 0.002lux or Higher
	Shutter Time	1s to 1/100,000s or better
	Day & Night	IR Cut Filter with Auto Switch
	WDR	120dB or Higher
	Focal Length	4.7mm~141mm support for 30X Optical Zoom or Higher
	Optical Zoom	30X or higher
	Digital Zoom	16X or higher
	Focus Control & Iris Control	Auto
	<b>Pan &amp; Tilt control</b>	
	Pan Range	360°
	Pan Speed	Pan Manual Speed: 0.1°~180°/s, Pan Preset Speed: 240°/s
	Tilt Range	-16°~90° (Default -3°~90°)
	Tilt Speed	Tilt Manual Speed: 0.1°~120°/s, Tilt Preset Speed: 120°/s
	Camera support	3D Position
	Preset	Minimum 500 no's with 8 Scan & pattern
	IR Distance support	200meter or higher
	Video Compression	S+265/H.265/H.264/M-JPEG
	Video Bit Rate	32Kbps~16Mbps
	Audio Compression	G.711A/G.711U/ADPCM_D/AAC_LC
	Audio Sampling Rate	8kHz/32kHz/48kHz
	Max. Resolution	2560×1440 4 MP Resolution
	Camera support	Triple Streaming with 2880×1620@30fps
	Camera support Image enhancement	HLC, BLC, AGC, 3D Noise Reduction, White Balance, ROI, EIS & Defog etc
	Camera support Alarm Trigger	Motion Detection; Mask Alarm; IP Address Conflict Address Conflict , MAC Address Conflict , Server Exception; Event Input, Event Output
	Video Analytics	Human/Vehicle Classification; Tripwire; Tripwire; Perimeter, Safety Helmet Detection
	Camera support	Auto-Tracking with Face Capture
	ANR	Auto store video in SD card when NVR disconnected, and upload video to NVR when resumed connection
	Protocols	HTTP;HTTPS;TCP/IP;UDP;UPnP;SNMP;DHCP;DNS;DDNS;Easy DDNS;NTP;SMTP;SSL;802.1X;QoS;IPv4;IPv6;PPPOE;SSH;Unicast;Multicast;RTP;SRTP;RTSP;FTP;SFTP;NAS
	System Compatibility	ONVIF Profile S/T/G/M;CGI; Milestone; RTMP, OEM Should be ONVIF Member
	Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
	Audio I/O & Alarm	1 Ch & 1ch
	On-board storage	Built-in Micro SD card slot, up to 256 GB or Higher
	Operating Temperature	0 degree to 65 Degree

	Power Supply	AC24V±25%/POE++(IEEE802.3 bt)
	Protection	IP67/ IP66 &, IK10, With lightning protection, surge protection and voltage transient protection
	Certification of OEM	CE, FCC, BIS & RoHS
		ISO 9001, 14001, 27001 & 45001
	<b>Warranty</b>	
	On Site Warranty	<b>03 years or above</b>
<b>Additional Condition</b>	Compliances Sheet complied by OEM on letterhead and provide the products weblink on the compliances sheet.	

#### 7.4 AUTOMATIC NUMBER PLATE RECOGNITION (ANPR) CAMERA & SOFTWARE WITH DISPLAY

General Features	Parameters / Components	Specification (Minimum)
	<b>Camera</b>	
	Image Sensor	1 / 3 "CMOS"
	Min. Illumination	Color: 0.005Lux @F1.2,
	WDR	120dB Super WDR
	Shutter Time	1 s ~ 1 / 100000s
	Day/Night Mode	Day/Night/Auto/Customize/Schedule
	IR Distance	70 ~ 100 m
	Lens	5~50mm@F2.0, motorized , 10X Optical Zoom
	Max. Image Resolution	2592 × 1520, <b>(1080P@50fps required must or higher )</b>
	Video Compression	H.265+/H.265(HEVC)/H.264
	Ethernet	1*RJ45 10M/100M Ethernet Port
	Network Protocols	UDP, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, 802.1x, UPnP, HTTPs, QoS IPv4, IPv6
	Audio Compression	G.711/AAC/G.722/G.726
	Audio Sampling	Rate8/16/32/44.1/48KHz
	Advanced Function	BLC, HLC, 3D DNR, Defog,
	Event Trigger	Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.
	System Compatibility	ONVIF (Profile S), SDK
	Working Temperature	0 degree to 60
	Weather Proof	Up to IP67-rated for Weather-resistant Performance
	Certification of OEM	CE, FCC, BIS & RoHS
		ISO 9001, 14001, 27001 & 45001
	<b>ANPR Software</b>	
	<ul style="list-style-type: none"> <li>The ANPR System shall automatically detect the license plate in the captured video feed in real-time.</li> </ul>	
	<ul style="list-style-type: none"> <li>The ANPR system shall be based on Artificial Intelligence which uses deep learning for very high accuracy.</li> </ul>	
	<ul style="list-style-type: none"> <li>The ANPR system shall be capable of generating meta data related to the license plate such as plate location in terms of co-ordinates, plate type, country, and color.</li> </ul>	
	<ul style="list-style-type: none"> <li>The ANPR system shall support minimum character height of 10 pixels and maximum camera angles of 45 degrees Elevation and 45 degrees Azimuth</li> </ul>	
	<ul style="list-style-type: none"> <li>The ANPR system shall support an accuracy of 90% or above for recognition for unambiguously readable standard number plates</li> </ul>	
	<ul style="list-style-type: none"> <li>The ANPR system shall works under difficult conditions like uneven lighting, partial shadows,</li> </ul>	

	dirt, and glare as long as the numbers are readable by humans without ambiguity.
	<ul style="list-style-type: none"> <li>The ANPR system shall be able to work well up to a speed of 50 km ph as the camera frame rate is above 50 fps and the picture taken from the camera is without motion blur</li> <li>The ANPR System shall support recognition of number plates of Indian stranded.</li> <li>The ANPR System shall have a License Plate Database and will have an option to input certain license plates according to category like "Blacklist", "Whitelist", "Stolen", and "Expired" etc. by authorized personnel.</li> <li>The ANPR engine should be capable to support any new plate type of new states/countries when required in quick turnaround</li> <li>The ANPR System shall be able to store and display the image of the number plate and the image of the vehicle</li> <li>The ANPR system should detect the class of the vehicle (Eg: Private, Taxi, c)</li> <li>Core i7 12GB RAM 1TB HDD SSD OS workstation</li> <li>POE switch 8 port</li> <li>LED Display 43 inches with HDMI/VGA input &amp; HDMI Cable for ANPR Camera</li> <li>ANPR NVR with 10 TB Storage</li> <li>ANPR Accessories (Bidder will calculate all the complete system like ANPR Software , Pole , JB Box and workstation)</li> </ul>
	<b>Warranty</b>
	<ul style="list-style-type: none"> <li>Onsite warranty - 03 years or above</li> </ul>
<b>Additional Condition</b>	Compliances Sheet complied by OEM on letterhead and provide the products weblink on the compliances sheet.

#### 7.5 64 CH NVR WITH 8HDD WITH RAID & AI SUPPORT

General Features	Parameters / Components	Specification (Minimum)
	Video Input	64-ch
	Max Resolution	12MP
	Two-way Audio Input	1-ch, 3.5mm
	Bandwidth	Income 640Mbps; Outgoing 320Mbps
	<b>Output</b>	
	HDMI/VGA Output	HDMI 2-ch, 3840×2160, 2560×1600, 2560×1440, 1920×1080, 1280×720, 800×600, 1024×768, 1366×768, 1440×900, 1280×800
		VGA 2-ch, 1920×1080, 1280×720, 800×600, 1024×768, 1366×768, 1440×900, 1280×800
	Screen Split	1/3/4/6/8/9/10/13/16/32/64
	Audio Output	1x3.5mm, 1xBNC
	<b>Decoding</b>	
	Decoding Format	S+265H.265/H.264
	Recording Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA /4CIF/DCIF/2CIF/CIF/QCIF
	Preview Capability	3×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 32×720P, 40×4CIF
	Synchronous Playback	3×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 16×720P
	Records Encryption	Yes
	<b>Hard Disk</b>	
	SATA	8 SATA interfaces for 8 HDDs

	Capacity	Maximum 18TB for each HDD
	eSATA Interface	1 SATA interface
	Array Type	JBOD,RAID0,RAID1,RAID5,RAID6,RAID10
	<b>External Interface</b>	
	Network Interface	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces
	USB Interface	2xUSB 2.0, 1xUSB 3.0
	Serial Interface	2xRS-485, 1xRS-232
	Alarm In/Out	16/4
	<b>Network</b>	
	Protocol	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, IGMP, QoS, IPV4, IPV6, Multicast, ARP, UDP, SNMP, SSL, Telnet, RTMP, NFS
	System Compatibility	ONVIF (PROFILE S/T/G), SDK, P2P
	VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Face Detection, Compatible with face recognition camera, crowd, On duty detection, Video abnormal, Audio Abnormal, Heatmap, Auto Tracking, Safety Helmet Detection
	ANR	Yes
	Hot Standby	N+M
	<b>General</b>	
	Operating Conditions	.-10°C,55°C 10% C4490% C43
	Power Supply	AC100~240V, 50/60HZ
	Consumption (without HDD)	≤100W (without HDD)
	Certification of OEM	CE, FCC, BIS & RoHS
		ISO 9001, 14001, 27001 & 45001
<b>Additional Condition</b>	<b>Warranty</b>	
	On Site Warranty	<b>03 years or above</b>
	1. All Cameras & NVR are same OEM	
	2. Compliances Sheet complied by OEM on letterhead and provide the products weblink on the compliances sheet	

#### 7.6 ADDITIONAL ACCESSORIES AND COMPONENTS FOR CC TV INSTALLATION

Sl. No.	Specification	QTY
1	24 PORT Giga Manage switch with 4 SFP Uplink	1 no.
2	8 PORT Giga Manage POE switch with 2 SFP Uplink	4 nos.
3	24 Port Network POE Switch with 4 SFP Uplink	1 no.
4	GIGA bit SFP Module	8 nos.
5	65" LED Display with HDMI/VGA input & HDMI Cable	1 no.
6	Cat 6 cable (305 Mtr/Box) indoor grade	10 Box
7	Cat 6 cable (305 Mtr/Box) Out door grade	2 Box
8	Sine wave Inverter with 150 AH Battery	1 no.

9	5/15A socket and electrification	10 nos.
10	10 Mtrs HDMI Cable	2 nos.
11	Earthling soil digging and filling	1nos.
12	Earth soil digging and filling	1100 Meters
13	SM OFC 6 Core armored,	1100 Meters
14	Rack mount LIU 12 Port loaded Including Piglet & Adopter	3 nos.
15	24port Patch panel loaded	3 nos.
16	1 mtr/lmtr UTP patch cord	40 nos.
17	OFC SC to LC type Patch cord	8 nos.
18	32 mm HDPE Pipe (for OFC laying ISO	900 Meters
19	9 U Networking Rack with accessories	1 no.
20	27 U Networking Rack with accessories	1 no.
21	20 ft Pole with embedded base for mounting of Camera.	1 no.
22	1 KVA Online UPS	4 nos.
23	2 KVA Online UPS with 1houe Power Backup	4 nos.
24	4MP motorized Bullet Camera 80M IR Bullet Camera Lens 2.7-13.5mm • Min. illumination Color: 0.001 Lux@F1.6 • 120dB W DR, ANR • Smart IR, IR Range: 80m • Lightning, Surge & Voltage protection	6 nos.
25	4MP IR Dome CAMERA Lens 2.8mm • Min. illumination Color: 0.001 Lux@F1.6 • 120dB W DR, ANR • Smart IR, IR Range: 30m • Lightning, Surge & Voltage protection	30 nos.
26	4MP 30X AI POE PTZ • Min. illumination Color: 0.001Lux@F1.5 • Optical zoom: 30X, digital zoom 16x • Smart IR, IR Range: 150m, WDR 120dB • IP67, Lightning, Surge & Voltage Protection	1 no.
27	ANPR CAMERA 1 NOS+ SOFTWARE Licenses + WORK STATION 1 no + 20 FEET HEIGHT 4 INCHES Pole with JB Box )	2 nos.
28	64CH SMART NVR support 12MP ,Support 8HDD ( Upto 10TB extra),Bandwidth 320Mbps,RAID Support, 2*1000Mbps,2*HDMI & VGA,VCA,ANR,N+M	1 no.
29	10TB Surveillances HDD	8 nos.
30	Installation job work	1 no.
31	All the required accessories supplied by vendor scope	-

#### 8. General conditions for CCTV OEM

Sl. No.	Conditions for CCTV	Document Proof
1	CCTV OEM should have direct presence in India from last ten years & OEM should have online dedicated support center and service point in Odisha.	Address proof
2	CCTV OEM should have Indian BIS with suggested model have reflected BIS certificate	Relevant Certificate

3	CCTV OEM have restrictions on procurement from a bidder of a country which shares a land border with India	Undertaking on bidders letter head
4	OEM of the camera should not be blacklisted in India or anywhere globally for security reasons from any organization including ONVIF. OEM Should be ONVIF Member and the name of the OEM should reflect in the ONVIF site	Undertaking on bidders/OEM letter head
5	The MAC address of the NVR must be registered in the name of quoted OEM brand. Evaluation to be done during PoC/product approval	Relevant Document proof
6	CCTV Camera & NVR should be certified by Cyber Security	Authorization certificate from relevant authority
7	The bidder should have registered office with Odisha GSTN	GST certificate
8	The OEM should give an undertaking in respect of all the CC TV Product that the product will not be declared obsolete or End of Life within 5 years of installation	Undertaking on bidders letter head
9	Bidder should have bid specific OEM authorization certificate	Authorization certificate from OEM
10	Bidder should submit separate compliance statement for each item on letterhead	Compliance statement for each item on letterhead
11	Integration should be in bidders scope. All these products should be integrated for surveillance system.	The bidder should submit certification on letterhead for supply, commission, integration and maintain the product for three years

### 9. Qualification Criteria

The bidder must meet the below eligibility criteria to be considered for further shortlisting purpose

Sr. No.	Basic Requirement	Specific Requirement	Documents Required
1	Entity Type	Bidder must be Company registered under Companies Act, 1956 or any of its amendments thereafter or Partnership registered under Indian Partnership Act, 1932 or any of its amendments thereafter or Proprietor registered under Shops and Establishment Act	<ul style="list-style-type: none"> <li>• Copy of Certificate of incorporation / Registration certificate with relevant authority</li> <li>• PAN Card</li> <li>• GST Registration certificate and GST Clearance certificate upto March 2023</li> </ul>
2	Existence of Firm	The Bidder should be in business in the supply, installation of CCTV with other digital accessories to govt agencies for at least last	<ul style="list-style-type: none"> <li>• Work order or Agreement Or</li> <li>• Payment Proof Or</li> </ul>



		Five (5) years as on date of bid submission	<ul style="list-style-type: none"> <li>• Completion Certificates or Satisfactory Certificate</li> <li><b>Or</b></li> <li>• Delivery Challan</li> </ul>
3	Turnover	The Bidder shall have average annual turnover of not less than 40 Lakhs and OEM shall have average annual turnover of not less than 40 Lakhs in last three consecutive financial years (Financial years 2021-22, 2022-23, 2023-24)	CA Certificate/ Audited Balance Sheet clearly stating turnover
4	Relevant Experience	The bidder must have supplied at least 1 full CCTV package along with accessories for any Govt Agencies in last 3 years as on date of bid submission.	Work order copy from the client stating the quantity of equipment supplied
5	Blacklisting And Pending Petitions	Bidder shall not have been debarred / blacklisted till bidding period by Central Govt. / State Govt. / Public Sector Undertaking / any other Local Body or body established under or in the control of the Central or state Government on the date of submission of their Bid.	Self-certification on furnished with 20 rupees stamp paper

The bidder meeting the criteria mentioned above shall be eligible for financial bid opening.

#### **10. Evaluation of Bid**

Selection may be made on LCS Least Cost Selection method, which means the bidder quoting the lowest rate shall be identified as preferred bidder.

#### **11. Deliverables**

Vendors need to supply, Install and Test the required qty of CCTV with other digital accessories within 30 days from date of issuance of Purchase order.

Deliverable Address

At – O/o the Director BPSPA,  
AIIMS Rd, Dumduma, Ranasinghpur,  
Bhubaneswar, Odisha 751019

#### **12. Payment Terms**

100% payment on successful delivery and testing of CCTV with other digital accessories

### **13. Performance Security**

The Bidder shall be submitting the Performance Security equivalent to 5% of the agreement value in the form of a Bank Guarantee

### **14. Conflict of Interest**

Conflict of interest exists in the event of conflicting assignments, typically monitoring and evaluation of the mandate being executed by the selected bidder in the future.

### **15. Anti-corruption Measure**

- a) Any effort by Bidder(s) to influence the Authority in the evaluation and ranking of commercial proposals, and recommendation for award of contract, will result in the rejection of the proposal.
- b) A recommendation for award of Contract shall be rejected if it is determined that the recommended bidder has directly, or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the contract in question.
- c) In such cases, the Authority shall blacklist the bidder either indefinitely or for a stated period of time, disqualifying it from participating in any related bidding process for the said period.

### **16. Legal Jurisdiction**

All legal disputes between the parties shall be subject to the exclusive jurisdiction of the Courts in Cuttack only.

## **Annexures**

## **17. Annexure 1 : Technical Bid Format**

### **Technical Bid Format**

#### **(To be submitted in Technical Bid Envelope)**

The documents have to be arranged serially as per order mentioned below:

1	Name of the Firm/Company	
2	Name of the Authorized Signatory and Designation	
3	Address & Contact Details	
4	E-mail ID	
5	Registration Details: Company / Firm	Certificate of Incorporation/ Registration PAN Card GST Registration Certificate Bank Account & RTGS details
6	Experience in similar field	Work order/Contract Agreement Copy Filled up for per Annexure-2
7	Annual average turnover of Bidder of Rs 40 Lakhs. And OEM 40 Lakhs. in the last three financial years (i.e. 2021-22, 22-23 and 23-24)	Annual Turnover Statement certified by Chartered Accountant as per Annexure-3 Filed IT return of last 3 years
8	The Firm/ Agency should not have been blacklisted/banned by Central/State Govt. & PSU/ CPSEs	Self-certification on furnished with 20 rupees stamp paper
9	Submission of undertakings for Bid terms & conditions acceptance.	To be submitted on the Letter Head
11	Non-refundable RFP Document Fee of Rs.590/- ( 500 + 90 (18% GST) = 590	Demand Draft In favour of A.I.G. of Police (Prov.), Odisha, Cuttack payable at Cuttack.
12	Earnest Money Deposit (EMD) of Rs.40,000/- along with Offer Document.	Demand Draft In favour of A.I.G. of Police (Prov.), Odisha, Cuttack payable at Cuttack.

**Place:**

**Date:**

**Bidder's Signature**

**18. Annexure 2:Summary of Technical Capability**

**(To be submitted in Technical Bid Envelope)**

<b>Name of the Assignment</b>	<b>Name/ Address of the Organization</b>	<b>Date of Award of Assignment</b>	<b>Value of Work Order In Rs.</b>

**Note:** Please furnish the Work order/Contract Agreement copy only in support of the information mentioned above.

**Place:**

**Date:**

**Bidder's  
Signature**

**19. Annexure 3: Financial Capability of Bidder/Agency Annual**

**Turnover Statement (To be signed by Certified Chartered Accountants)**

**(To be part of Technical Bid Envelope)**

The Average Annual Turnover for the last three financial years of M/s \_\_\_\_\_ Are given below and certified that the statement is true and correct.

<b>Year</b>	<b>Annual Turnover in Rs.</b>	<b>Average Annual Turnover</b>
<b>2021-22</b>		
<b>2022-23</b>		
<b>2023-24</b>		

Average annual turnover for the above three years in Rs. (In words) \_\_\_\_\_

**Date:**

**Signature of Auditor/**

**Chartered Accountant**

**Place:**

**Name:**

**Seal:**

## 20. Annexure 4: Template of financial bid

(To be submitted in Financial Bid Envelope)

SI No.	Description of Item	Qty	Amount Quoted by the bidder (INR)
1	4MP BULLET CAMERA (OUTDOOR) WITH 80 M IR WITH AI	06 Nos.	
2	4MP DOME CAMERA (INDOOR) WITH 30 M IR WITH AI	30 nos.	
3	PTZ CAMERA WITH 30X OPTICAL ZOOM WITH 200M IR	01 no.	
4	AUTOMATIC NUMBER PLATE RECOGNITION (ANPR) CAMERA & SOFTWARE WITH DISPLAY	02 no.	
5	64 CH NVR WITH 8HDD WITH RAID & AI SUPPORT	01 no	
<b>Additional Accessories and components for CCTV Installation</b>			
SI No.	Specification	QTY	
1	24 PORT Giga Manage switch with 4 SFP Uplink	1 no.	
2	8 PORT Giga Manage POE switch with 2 SFP Uplink	4 nos.	
3	24 Port Network POE Switch with 4 SFP Uplink	1 no.	
4	GIGA bit SFP Module	8 nos.	
5	65" LED Display with HDMI/VGA input & HDMI Cable	1 no.	
6	Cat 6 cable (305 Mtr/Box) indoor grade	10 Box	
7	Cat 6 cable (305 Mtr/Box) Out door grade	2 Box	
8	Sine wave Inverter with 150 AH Battery	1 no.	
9	5/15A socket and electrification	10 nos.	
10	10 Mtrs HDMI Cable	2 nos.	
11	Earthling soil digging and filling	1nos.	
12	Earth soil digging and filling	1100 Meters	
13	SM OFC 6 Core armored,	1100 Meters	
14	Rack mount LIU 12 Port loaded Including Piglet & Adopter	3 nos.	
15	24port Patch panel loaded	3 nos.	
16	1 mtr/lmtr UTP patch cord	40 nos.	
17	OFC SC to LC type Patch cord	8 nos.	
18	32 mm HDPE Pipe (for OFC laying ISO	900 Meters	
19	9 U Networking Rack with accessories	1 no.	
20	27 U Networking Rack with accessories	1 no.	
21	20 ft Pole with embedded base for mounting of Camera.	1 no.	
22	1 KVA Online UPS	4 nos.	
23	2 KVA Online UPS with 1houe Power Backup	4 nos.	
24	4MP motorized Bullet Camera 80M IR Bullet Camera Lens 2.7-13.5mm • Min. illumination Color: 0.001 Lux@F1.6 • 120dB W DR, ANR • Smart IR, IR Range: 80m • Lightning, Surge & Voltage protection	6 nos.	
25	4MP IR Dome CAMERA Lens 2.8mm	30 nos.	

	<ul style="list-style-type: none"> <li>• Min. illumination Color: 0.001 Lux@F1.6</li> <li>• 120dB W DR, ANR</li> <li>• Smart IR, IR Range: 30m</li> <li>• Lightning, Surge &amp; Voltage protection</li> </ul>	
26	4MP 30X AI POE PTZ <ul style="list-style-type: none"> <li>• Min. illumination Color: 0.001Lux@F1.5</li> <li>• Optical zoom: 30X, digital zoom 16×</li> <li>• Smart IR, IR Range: 150m, WDR 120dB</li> <li>• IP67, Lightning, Surge &amp; Voltage Protection</li> </ul>	1 no.
27	ANPR CAMERA 1 NOS+ SOFTWARE Licenses + WORK STATION 1 no + 20 FEET HEIGHT 4 INCHES Pole with JB Box )	2 nos.
28	64CH SMART NVR support 12MP ,Support 8HDD ( Upto 10TB extra),Bandwidth 320Mbps,RAID Support, 2*1000Mbps,2*HDMI & VGA,VCA,ANR,N+M	1 no.
29	10TB Surveillances HDD	8 nos.
30	Installation job work	1 no.
31	All the required accessories supplied by vendor scope	-

**Note:**

1. The quoted rates shall be inclusive of Logistics, packaging and training and all other conditions mentioned in the RFP document .
2. All Quoted rate are Inclusive GST.

**Date:**

**Place:**  
**Bidder's Signature**



**21. Annexure 5 : Format for Pre-Bid Queries**

<b>Name of the Bidder</b>				
<b>Name of the Sender</b>				
<b>Designation</b>				
<b>Sr. No.</b>	<b>Page no.</b>	<b>Clause Reference</b>	<b>Clause Description</b>	<b>Modification/ Clarification required</b>

**Manufacturer's Authorization Form (MAF)**

**(To be submitted on OEM Letterhead)**

Ref. No. \_\_\_\_\_ Dated \_\_\_\_\_

To

The A.I.G. of Police (Provisioning),

Odisha, Cuttack.

Dear Sir,

Tender Reference No./ NIT / GeM Bid No. : \_\_\_\_\_

Name of the item:

We M/s. \_\_\_\_\_ who are established and reputable manufacturers of  
\_\_\_\_\_ do hereby authorize M/s. \_\_\_\_\_ (Name and address of Agent  
/ Dealer) to participate in the above tender.

We hereby extend our technical assistance to the bidder during installation and inspection of the product.

We hereby certify that, the equipments being sold would not be declared End of Support (EoS) or become obsolete in the next 5 years. Also, we certify that the products being sold would be covered under Warranty / Support and OEM support will be available for \_\_\_\_ years (as specified in the GeM Bid / Tender / NIT No.) from the date of installation, even in the case, the bidder becomes "Out of service".

We have studied the requirements of the product and confirm that we will adhere to the specifications of the tender and quality plan and extend all support during the inspection and provide documentary evidence at the time of inspection for the verification by Client/Client's representative.

Yours faithfully

(Name)

For and on behalf of M/s. \_\_\_\_\_

(Name of manufacturers)

**Certificate for Prevention of Corruption Act / non Debarment Certificate**

"I certify that I have not committed any offence-

(a) Under the Prevention of Corruption Act, 1988;

or

(b) The Indian Penal Code or any other law for the time being in force, for causing any loss of life or property or causing a threat to public health as part of execution of a public procurement contract.

(c) I have not been debarred by any Central / State Government Organization/Bodies for the last 3 years."

Signature with designation.

**Please note that non-submission of this certificate will lead to disqualification.**