

**Tender Document for IP Based Video
Surveillance System (CCTV)
at Gera Imperium Green Society,
NeaugiNagar, Mala, Panaji Goa**

Tender Notice: Gera Imperium Green Society, NeaugiNagar, Mala, Panaji Goa, invites bids for supply, installation, testing and commissioning of IP based Video Surveillance System (CCTV) at it complex at Mala, Panaji Goa.

Tender No.: GIGCMHS / MAR/001

Description: Supply, installation, testing and commissioning of IP based Video Surveillance System (CCTV)

Due Date: 8/4/25 By 2.00 pm

Date of Opening: 8/4/25 By 3.00 pm.

Venue of Opening: GIGCMHS Office
and Submission Gera Imperium Green Society Office,
(Basement)
Neauginagar, Panaji - Goa 403001.

Bid to be submitted in Sealed Envelope
to Mr Narayan - Security.

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Terms and Conditions:

1. The sealed bids are to be submitted in prescribed format on your business letter head duly stamped and signed and dated on each page, details/supporting documents wherever applicable, if attached with the bids should be duly authenticated by the vendor/s. No overwriting shall be accepted unless authenticated with full signature of the vendor/s.
2. Each quotation submitted should have two parts
 - a. Technical part
 - b. Commercial part
3. Bids should be submitted to e-mail ID by the due date, in following format.
 - a. Technical part: MS Excel
 - b. Commercial part: MS Excel and PDF
4. Email ID for submission of bid:
 - a. xyz@gmail.com
5. Bids received after the stipulated date and time shall not be entertained. Gera Imperium Green shall not be liable for any delays what so ever and quotation received after the stipulated time/date are liable to be rejected summarily without giving any reason.
6. Prices quoted should be FOR Gera Imperium Green premises and should be inclusive of all charges.
7. Gera Imperium Green prefers to deal with authorized channel partners, provided the manufacturers/principal authorizes the said channel partner participate in the bid in this regard.
8. Delivery and installation should be completed within Four week from the date of the confirmed purchase order.
9. The Tender shall be valid for at least 60 days from the date of opening of quotations
10. All disputes, differences, claims and demands arising under or pursuant to or touching the contract shall be referred to the arbitrator appointed by Gera Imperium Green.
11. The Gera Imperium Green reserves the right to accept or reject any or all quotations including the lowest quotation/s without assigning any reason at its sole discretion and the decision of Gera Imperium Green will be final and binding on all concerned.
12. The quantities indicated in BOQ are tentative and may be increased at the sole discretion of Gera Imperium Green and the vendor shall have not right to claim any minimum/definite volume of business.
13. For any technical details/clarifications, Chairman, Gera Imperium Green would be the point of contact.
14. Completion Certificate: Work Completion certificate shall be issued only after completion of work in all respect as per RFP and to the entire satisfaction of Gera Imperium Green.
15. Training: Upon completion of the installation & commissioning, the Successful Bidder shall provide the hands-on training on the installed equipment to the concerned officials along with the training materials on the equipment installed at Gera Imperium Green.

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16. Warranty Period: All the equipment, active and passive components supplied against this RFP shall have warranty for a period of 3 (Three) years from the date of installation and commissioning.
17. Bidders should share all the relevant firmware/OS/Patches etc. as and when they are released by OEM during entire warranty period at no cost to Gera Imperium Green.
18. The vendor will liaison on behalf of Gera Imperium Green, with other different OEMs for repairing or replacing of equipment(s) and all other accessories during warranty period.
19. Make and model number of all the equipment used for the project should be submitted in proposal. The datasheets of all the equipment must be submitted during submission of bid.
20. Bidder should show the demo of the system and equipment proposed in the BOQ after submission of the bid for final technical approval.


Eligibility Criteria

1. Bidder should be at least having 7 years of experience in this field.
2. The Bidder should be OEM or Authorized Dealer/Distributor/System Integrator/ Company/Firm of the OEM of the offered product.
3. Bidder should have experience of having successfully completed similar project during the last 3 years. List of 5 projects should be provided.
4. Any Institution/ Society in Goa should not have blacklisted the Bidder during the last 5 years. Self-declaration to that effect should be submitted along with the technical bid.
5. The firm must possess valid GST/Sales Tax Registration Certificate. (attested copies of all the above certificates should be submitted along with the proposal).
6. Bidder must provide necessary supporting documents as proof in respect of the eligibility criteria mentioned above.

Scope of Work

1. Installation of CCTV cameras at preferred locations covering the whole common area including entrance to floors, corridor and sections.
2. Supply, installation, testing and commissioning of items mentioned in BoM, F.O.R destination.
3. All cameras should be IP based.
4. The Solution should capture, store, and analyse digital video images to enable central monitoring, increase operational efficiency, reduce liability, minimize risk and secure people & property.
5. After commissioning the Video surveillance system, the same shall be demonstrated for all its capabilities to the relevant user department to make them familiar with the system.
6. Once the Order is placed, it will be the vendors' responsibility to make the project functional. Any additional cost incurred for completing the project and for which the vendor has not bid at the time of submission of the final offer will be borne by the vendor.
7. The CCTVs Surveillance System need to be functional on 24x7 basic i.e. 24 hours all the days and need to have at least 30 days data storage capacity for all cameras.
8. The FPS of recording should be minimum 25 FPS and the recording should be saved in minimum Full HD format.

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Technical Specifications:

Network Video Recorder (NVR):

Feature	Specification
Make	Honeywell/axis/pelco/Panasonic/ Bosch
IP Camera Input	32 Channel
Interface	HDMI, VGA. both interfaces should support independent video output
Resolution	1920 × 1080, 1280 × 1024, 1280X720, 1024X768
On Screen Display	Camera title, Time, Camera lock, Motion detection, Recording
Compression	Smart H.265+/H.265/Smart H.264+/H.264
Video Bit Rate	16Kbps-16Mbps
Image Display	1/4/6/8/9/16/32 Image Displays
Privacy Mask	Support 4 zones
Recording Resolution	12MP to HD
Bandwidth	Up to 256 Mbps incoming bandwidth
Storage and Playback	2 SATA interfaces for HDD connection (up to 10 TB capacity per HDD)
Video Frame Rate	1-30 FPS
Record Mode	Manual/Schedule/Motion Detection/Timing/Intelligent analysis alarm
Interface Protocol	ONVIF, RTSP
	Adopt stream over TLS encryption technology which provides more secure stream transmission service
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Backup Selection, Digital Zoom
Synchronous Playback	16 Channel
Network interface	2 RJ-45 Ports (10/100/1000Mbps)
Network protocols	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, DDNS, FTP
Max. User Access	128 users
Installation	Rack-mounted
Certifications	CE, FCC, UL

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IP Camera – Dome / Bullet Network vandal proof Camera:

Feature	Specification
Make	Honeywell/ pelco/axis/ Panasonic / Bosch
Image Sensor	1/3" 2MP Progressive CMOS Sensor
Effective Pixels	1920(H)x1080(V)
Minimum Illumination	Color: 0.01 Lux @F2.0, B/W: 0.001 Lux@F1.2
IR Distance	30 meter
Shutter Speed	Auto, Manual Mode: 1/50 sec 1/10000 sec
DWDR	Yes
IR On/Off Control	Auto/ Manual
Lens Type	Fixed
Focal Length	3.6mm Lens
Focus Control	Fixed
Compression	H.265 / H.264
Streaming Capability	2 Streams
Resolution	1080P(1920×1080) / 1.3M(1280×960) / 720P(1280×720) / D1(704×576/704×480) / VGA (640×480) / CIF (352×288/352×240
Streams	Mainstream: 2MP (1920x1080) @25 /30FPS. Sub Stream: D1 (704x576)/VGA (640x480)/ CIF (352×288) @25/30FPS.
Frame Rate	2MP@ 25/30fps
Bit Rate Range	221Kbps~8Mbps
Day/Night	Automatic/Color/Black and white
BLC Mode	On/Off
Text Overlay	Title, Date & Time, Weekda
Privacy Masking	Yes (4 zones)
Motion Detection	Yes
Video Tempering	Support
Event Recording	Pre Record- 5-30 Sec, Post Record 1-120 Minute
Smart Functions	Human Detection, Line Crossing & Area Intrusion
Ethernet	1 x RJ45, 10/100M adaptive Ethernet interface
Protocol	TCP/IP, HTTP, UDP, RTSP, FTP, DHCP, DDNS, NTP, SMTP, UPnP, IPv4, IP filter
Interoperability	ONVIF Profile S
Web Viewer	Edge, Chrome, Firefox, Safari
Operating Conditions	-30° C ~ +60° C / Less than 90% RH
Power Rating	DC 12V , PoE

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Product Certification	Safety: CE, BIS
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Bill of Material:

S.N.	Bill of Material for CCTV	Qty	Unit
1	32 Channel Network Video Recorder as per Specification	2	No.
2	IP Based Dome vandal proof Camera as per specification	16	Nos.
3	IP Based indoor Bullet vandal proof Camera as per specification	20	Nos.
4	6 TB Surveillance hard disk (Recording @ 1080 , 25 FPS , 2048 Kbps Bit Rate)	4	Nos.
5	8 Port PoE (10/100/1000) switch	1	No.
6	16 Port PoE (10/100/1000) switch	5	Nos.
7	Outdoor Boxes	16	Nos.
8	Indoor Boxes	16	Nos.
9	D-Link Cat 6 Outdoor Cable, 305 Mts (Armoured) Max length to be limited to 70 meters for each camera	4	Lot.
10	4u Rack D-Link	3	Nos.
11	Artis Ups 600 VA	3	Nos.
12	Wbox 2 mtr HDMI Cable	1	No.
13	PVC Pipes	60	Mtrs.
14	D-Link RJ45	68	Nos.
15	Laying of Cable	1220	Mtrs.
16	Installation	1	Lot

Not secure | <https://tools.kvision.com/calculation/cctv/>

Storage and Network Calculator

Add Device

1 Add 0 Clear 0 Export 0 Bulk Delete

Channel Name	Channel Number	Video Standard	Encoding Mode	Resolution	Frame Rate(fps)	Bit rate(Kbps)	Operation
Channel	32	F4S	H-264	1080P(1920x1080)	25	2048	0

Calculate

Calculate Saving Time

Video Storage: 1 TB

Recording Time per Day: 24

Keep Video Files for: 30 Days

33 Days

Calculate Disk Space

1 TB

60 GB

4 Disks

Calculate Bandwidth

60 GB

10 Mbps

1 Bandwidth

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