



**CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY (C-DIT)**

Chitranjali Hills, Thiruvallam, Thiruvananthapuram-27

Phone: 0471-2380910, 912

No. C-DIT/01/CCTV-CHETTI/2024-25/T586

Date: 25.01.2025

**TENDER NOTICE**

**SUPPLY, INSTALLATION, TESTING , COMISSIONING AND MAINTANANCE OF CCTV  
CAMERAS**

Sealed tenders are invited for the **Supply, Installation, Testing, Commissioning, and Maintenance of CCTV Surveillance Security System along with Providing Centralized Monitoring Facility at Family Health Centre, Chettikulangara**. The envelopes containing the tender should bear the superscription *“Tender for the Supply, Installation, Testing, Commissioning, and Maintenance of CCTV Surveillance Security System along with Providing Centralized Monitoring Facility at Family Health Centre, Chettikulangara”* and should be addressed to The Registrar, Centre for Development of Imaging Technology (C-DIT), Chithranjali Hills, Thiruvallam, Thiruvananthapuram 695027. Intending tenderers may submit the tenders on their own papers by post/hand. Last date for receipt of tenders is **05.02.2025, 03.00 PM**. Late tenders will not be accepted. The tenders will be opened at **03.10 PM on the same day** in C-DIT office in the presence of the tenderers or their authorized representatives who may be present at that time. Details of the requirements and the conditions governing the supply can be downloaded from our website [www.cdit.org](http://www.cdit.org)

Thiruvananthapuram

25.01.2025

SD/-

REGISTRAR



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**TENDER TERMS**

**SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND MAINTANANCE OF CCTV CAMERAS**

**GENERAL TERMS AND CONDITIONS**

- a) This Tender is invited for the **Supply, Installation, Testing, Commissioning, and Maintenance of CCTV Surveillance Security System along with Providing Centralized Monitoring Facility at Family Health Centre, Chettikulangara** , one of the projects undertaken by C-DIT.
- b) C-DIT reserves the right to cancel any or all tenders without assigning any reason whatsoever

**ELIGIBILITY CRITERIA OF BIDDER**

- a) Bidder should be a registered company or registered business firm as per Indian Law, doing similar business.
- b) The bidder should have a registered office in Kerala (Documentary Evidence should be attached) and a well-equipped authorised service centre (Preferably at Trivandrum or Ernakulam).
- c) Bidders should have valid GST registration.
- d) Bidders should have PAN allotted to him by IT Department.
- e) Bidder shall not be blacklisted by any of the department/organizations of the Govt. of India/State Govt/PSUs.
- f) To qualify for award of the work, the intending tenderer must have an experience in successfully completed at least three orders of similar nature having contract value not less than 1.5 lakh each during last 2 years. **(Documents should be attached)**

## SCOPE OF WORK

To identify integrators/ contractors for undertaking the work for the Supply, Installation, Testing, Commissioning, and Maintenance of CCTV Surveillance Security System along with Providing Centralized Monitoring Facility **at Family Health Centre, Chettikulangara** .

## SPECIAL CONDITIONS FOR THIS WORK

1. It is mandatory for the bidder to deploy qualified professionals to install, commission & maintain the equipment, as defined under scope of work.
2. **The bidders shall not offer products of brands which are having any type of ban by government of India /Government Market place or any other state government from doing business in India/ participating government tenders.**
3. The successful bidder should install CCTV surveillance systems as per the specifications prescribed in the tender document and should install the cameras in the Specified locations detailed in **Annexure 1** of this document.
4. The successful bidder should supply all equipment/ materials required to execute the work in the respective sites as per the Bill of Material quoted.
5. All the Cameras should be cabled by UTP CAT-6 Cable inside the Buildings and STP CAT6 cable for outside cabling and connected to PoE Switch using structured cabling for the LAN. Proper conduit as per the specification should be provided.
6. The bidder shall set up a Monitoring facility inside the CHC office.
7. The bidder is responsible to perform the highest quality of workmanship, including ensuring aesthetics while executing this project. The bidder should ensure that the cables and equipment are placed with proper routing of cables keeping the aesthetics of the site environment intact.
8. The Camera Video feeds have to be transmitted 24X7 and able to view in the Monitor provided by the bidder and also (through Mobile/ Tab if required).
9. The CCTV system installation includes the installation of indoor and outdoor cameras for proper surveillance coverage at each location. The camera locations are mentioned in this document, however, the locations at the time of installation may change based on the site requirement.
10. The technical specifications mentioned in this document are the minimum suggestive specifications.

The vendor not meeting these minimum suggestive technical specifications are liable to be rejected.

11. Bidder should survey and evaluate the site conditions, if necessary, before submitting offers and are responsible to supply and install the surveillance system including all necessary cabling, conduits, wiring and other related accessories.
12. The bidder should ensure three years comprehensive warranty as per this document to all equipment, parts supplied including all works associated with the project from the date of successful User Acceptance Test.
13. The bidder should submit MAF - Manufacturer's Authorization Form for the Cameras, and NVR.
14. Successful bidder should provide training to the team identified by the user for operation of the CCTV System and handhold on job.
15. The bidder should handover all software products license keys/ passwords/ softwares/ installation files including user manual and all necessary documentation to C-DIT.

## **REQUIREMENT SPECIFICATIONS**

### **1.HARDWARE COMPONENTS- Active Components**

#### **1. HARDWARE COMPONENTS- Active Components**

<b>Sl.No</b>	<b>Item Requirement</b>	<b>Quantity</b>
1	2 MP fixed IP Bullet/ Dome Camera	5
2	4 MP Varifocal IP Bullet Camera	2
3	5 MP Varifocal IP Bullet Camera	1
4	8 PORT POE Switch	1
5	16 Ch NVR	1
6	Surveillance HDD 4TB	2
7	32" HD LED TV	1

## 2.HARDWARE COMPONENTS- Passive Components

Sl.No	Item Requirement	Quantity
1	4U Rack with PDU	1 No
2	STP Cable with conduits	400m
3	Other Electrical accessories	Lot

## 2. Technical Specification

### 1. 2MP Fixed IP Bullet/Dome Camera

Image Sensor	1/2.8” 2MP PS CMOS Image Sensor
Lens	3.6mm
Video Compression	H.265/ H.264+/H.264/ H.264B/ MJPEG or higher
WDR	120 dB
IR	30 m or better
Protection Grade	IP67
Certification	(STQC -Preferred) , BIS, CE , FCC
Interoperability standard	ONVIF
Starlight Technology	Enabled
SD card	256GB or higher
OEM Warranty	3 Year

### 2. 4MP Varifocal IP Bullet Camera

Lens Type	2.8 to 13.5mm Motorized Lens or better
Image Sensor:	1/3” 4MP PS CMOS or better
IR Distance	Up to 60m or better
WDR	120dB
Video Compression	H.265; H.264+; H.264; H.264B; MJPEG or better
Protection	IP67
Certification	(STQC -Preferred ),CE, FCC,BIS

Interoperability standard	ONVIF
Starlight Technology	Enabled
SD card	256GB or higher
OEM Warranty	3 Year

### 3. 5MP Varifocal IP Bullet Camera

Image Sensor	1/2.7" 5MP Progressive scan CMOS or higher
Lens Type	Motorized lens
Lens	2.7 mm–13.5 mm
Video Compression	H.265;H.264+; H.264; H.264H; H.264B; MJPEG
WDR	120 dB
IR	60 Mtr
Micro SD	Micro SD card (128 GB or higher)
Weatherproof Standard	IP67
Certification	(STQC -Preferred) BIS,CE ,FCC
Interoperability standard	ONVIF
Starlight Technology	Enabled
SD card	256GB or higher
OEM Warranty	3 Year

### 4. 8 Port PoE Switch

Ethernet Ports	Ports 1 through 8: 10/100/1000 (PoE), RJ45 Ports 9 and 10: 10/100/1000
Standards Compliance	IEEE802.3, IEEE802.3u, IEEE802.3x
OEM Warranty	3 Year

## 5. 16 Channel NVR

IP Camera Input	16 channel
Video Output	1-channel VGA, 1-channel HDMI video output.
Compression	H.265; Smart H.264+; H.264; MJPEG
Resolution	32 MP; 24 MP; 16 MP; 12 MP; 8 MP; 5 MP; 4 MP; 1080p; 720p; D1; CIF; QCIF
Hard Disk	2SATA Port , up to 10 TB each
Network Bandwidth	160 Mbps incoming,160 Mbps outgoing
Certification	(STQC -Preferred) , BIS, CE , FCC
Interoperability standard	ONVIF
OEM Warranty	3 Year

## 6. Surveillance HDD

Form Factor	3.5inch
Capacity	4TB
Recording Technology	CMR
Cache (MB)	256 or higher
Interface	SATA 6Gb/s
OEM Warranty	3 Year
Preferred Brand	Seagate/WD Purple/Toshiba

## 7. 32" Full HD LED TV

Resolution Standard	Full-HD
No. of HDMI port	2
No. of USB Port	2
No. of speakers	2
RJ45 Port	1
Mounting accessories	With sufficient wall mounting accessories
OEM Warranty	3 Year
Preferred Brand	Samsung/LG/Panasonic/Sony

### **OTHER TERMS AND CONDITIONS**

1. The bidders will be responsible for effecting supply to the entire satisfaction of the undersigned or his authorized representatives.
2. **C-DIT reserves the right to split the quantity of items to be supplied among one or more bidders, at the sole discretion.**
3. The undersigned does not bind himself to accept the lowest tender and reserve himself the rights of accepting the whole or any part of the tender and the bidder shall be bound to supply the accepted item at the rates quoted.
4. No advance payment will be made against supplies.
5. **The rate quoted by the bidder shall be inclusive of all charges.** Rates quoted by the bidder shall be valid for a period of six months from the date of opening of the tender.
6. **The rate should be quoted for the unit shown in the list including GST and tenders which do not indicate this essential information will not be considered.**
7. The bidder shall quote the rates for *Supply, Installation, Testing, Commissioning, and Maintenance of CCTV Surveillance Security System along with Providing Centralized Monitoring Facility at Family Health Centre, Chettikulangara* in "FORM A". The tenders which do not indicate price information for all the listed items in the tender will not be considered.
8. **The bidders shall submit the rate in "FORM A" in a sealed envelope.**



9. The rate quoted for the materials/services shall be firm and no enhancement will be allowed under any circumstances.
10. C-DIT reserve the right to cancel any or all tenders without assigning any reasons whatsoever.
11. **Agreement:** The Successful bidder has to enter an agreement with C-DIT in Rs.200 worth non judicial stamp paper immediately on getting confirmed work order.
12. **Performance Bank Guarantee (PBG)/Security Deposit:** The Bidder, in the event of an order, should furnish a bank Guarantee from an Indian Nationalized Bank at no extra cost in a Performa prescribed by C-DIT for an amount equivalent to 5% (Five percent) of the value of the contract. The PBG shall be valid for period of 24 months from the date of commissioning of the work.
13. **Authority:** The authority for the acceptance of the tenders rests exclusively with the C-DIT. The C-DIT does not undertake to accept the lowest or any particular tender or to assign any reason whatsoever for the rejection of any tender.
14. At any time prior to the deadline for submission of tenders, the C-DIT may, for any reason deemed fit by it, modify/amend the tender documents by issuing suitable amendment(s)/ corrigendum's to it. Corrigendum to this tender shall be published in the site [www.cditi.org](http://www.cditi.org). Prospective bidders are advised to regularly visit the website: [www.cditi.org](http://www.cditi.org) to keep track of corrigendum, if any.
15. **In case of doubt:**  
If the bidder has any doubt on technical specifications or on terms & conditions stipulated above, please contact **Sri Vinod N, HOD (SSD), in Mobile No: 9895788233**
16. **The last date for submission of tender 05.02.2025, 03.00 PM.**  
**The tender will be opened on the same day at 03.10 PM**

Sd/  
REGISTRAR, C-DIT  
Dated **25.01.2025**



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## **Annexure 1** **Proposed Locations and Solutions**

### **1. Proposed Locations**

The following locations were identified with the approval of the FHC authorities for the installation of CCTV Camera

1. Building No.1 (OP Block)
2. Building No.2 (Pharmacy Block)
3. Building No.5 (Immunization Block)

**The Monitoring centre should be installed at the Office Room of Pharmacy block.**

### **2. Proposed Solution**

#### **(i). Building No-1 (OP Block)- (3 Nos)**

1. A 5MP Varifocal camera is proposed to install outside of OP Block.
  - To cover the front area of the FHC.
2. A 4 MP Varifocal camera is proposed to install inside of OP Block.
  - To cover OP reception area.
3. A 2 MP IP Bullet camera is proposed to install outside (South side) of OP Block.
  - To cover back side of the pharmacy building.

#### **(ii) Building No-2 (Pharmacy Block) (3 Nos)**

1. A 2 MP IP Bullet camera is proposed to install inside the Pharmacy block.
  - To cover the pharmacy waiting area.
2. A 2 MP IP Bullet camera is proposed to install outside (South Side) of Pharmacy Block.
  - To cover east side of the lab block.

3. A 4 MP Varifocal camera is proposed to install outside (South Side) of Pharmacy Block.

- To cover the front side of the lab block.

**(iii) Building No-5 (Immunization Block) (2 Nos)**

Two 2 MP IP Bullet camera is proposed to install East side of the Building No-5.

- To cover back side of the pharmacy block.
- To cover blank place between pharmacy block and Immunization block.

**Monitoring Centre**

- One NVR with surveillance HDD should be installed in a rack in the office room of pharmacy block.
- One 32" Full HD LED Television should be installed in the monitoring centre

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**FORM - A**  
**COMMERCIAL BID****Quote No.****Date:**

SI No	ITEM	QUANTITY	UNIT RATE (Incl. GST)	AMOUNT (Incl. GST)
1	Supply and Installation of 2MP fixed IP Bullet/Dome Camera (As per tender Specification)	5Nos		
2	Supply and Installation of 4MP Varifocal IP Bullet/ Dome Camera (As per tender Specification)	2Nos		
3	Supply and Installation of 5MP Varifocal IP Bullet/ Dome Camera (As per tender Specification)	1 No		
4	Supply and Installation of 8 PORT POE Switch (As per tender Specification)	1 No		
5	Supply and Installation of 16 Ch NVR (As per tender Specification)	1 No		
6	Supply and Installation of Surveillance HDD 4TB (As per tender Specification)	2 No		
7	Supply and Installation of 32' HD LED TV (As per tender Specification)	1 No		
8	Supply and Installation of 4U Rack with PDU (As per tender Specification)	1 No		
9	Supply and Installation of STP Cable with conduits	400 m		
10	Supply and Installation of Other Electrical accessories	Lot		
	<b>TOTAL</b>			

**Bidder Name:****Address:****Mobile No:****e-mail id:****Date****Signature****Office Seal**