



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

Chitranjali Hills, Thiruvallam, Thiruvananthapuram-27

Phone: 0471-2380910, 912

---

No. C-DIT/12/CCTV-KAKKODI/2024-25/T570

Date: 24.12.2024

**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 Kokkodi Family Health Centre, Kozhikode.** The envelopes containing the tender should bear the superscription *“Tender for the Supply, Installation, Testing, Commissioning, Operationalizing and Maintenance of CCTV Surveillance Security System along with Providing Centralized Monitoring Facility at Kokkodi Family Health Centre, Kozhikode”* 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 **01.01.2025, 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

24.12.2024

SD/-

REGISTRAR



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

Chitranjali Hills, Thiruvallam, Thiruvananthapuram-27

Phone: 0471-2380910, 912

---

No. C-DIT/12/CCTV-KAKKODI/2024-25/T570

Date: 24.12.2024

### **TENDER TERMS**

#### **SUPPLY, INSTALLATION, TESTING, COMMISSIONING OPERATIONALIZING 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 Kokkodi Family Health Centre, Kozhikode**, 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 Kozhikode or Palakad).
- 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 Kokkodi Family Health Centre, Kozhikode.**

## **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 successful bidder should supply all equipment/ materials required to execute the work in the respective sites as per the Bill of Material quoted.
3. The successful bidder should install CCTV surveillance system components 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. All the Cameras have to be cabled by UTP CAT-6 cables 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.
5. The successful bidder shall carry out the necessary civil and electrical works to install the entire solution.
6. 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.
7. The Camera Video feeds have to be transmitted 24X7 and should be able to view in the Monitor already installed there. (through Mobile/ Tab if required).
8. The work includes the installation of 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.

9. 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.
10. **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.**
11. **The bidder shall 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.**
12. **The bidder should submit MAF - Manufacturer's Authorization Form for the Cameras and NVR.**
13. Successful bidder should provide training to the team identified by the user for operation of the CCTV System and handhold on job.
14. The bidder shall handover all software products license keys/ passwords/ softwares/ installation files including user manual and all necessary documentation to C-DIT.
15. **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**

## **REQUIREMENT SPECIFICATIONS**

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

<b>SI No</b>	<b>Item requirement</b>	<b>Quantity</b>
1	2MP IP Camera	6 Nos
2	4MP IP Camera	2 Nos
3	16 Channel NVR	1 No
4	8 Port PoE Switch	1 No
5	Surveillance HDD 4 TB	1 No
6	32" Full HD LED TV	1 No

### **2.HARDWARE COMPONENTS- Passive Components**

<b>SI No</b>	<b>Item requirement</b>	<b>Quantity</b>
1	4U Rack with PDU	1 No
2	STP Cable	250 Mtr
3	Conduits	250 Mtr
4	Other Electrical accessories	Lot

## **2. Technical Specification**

### **1. 4MP Fixed IP Bullet/Dome Camera**

Lens Type	3.6mm
Image Sensor:	1/3" 4MP PS CMOS or higher
IR Distance	30m or better
WDR	120dB
Video Compression	H.265,H.264+; H.264; H.264B; MJPEG
Protection	IP67
Certification	(STQC -Preferred), CE, FCC , BIS
Interoperability standard	ONVIF
Starlight Technology	Enabled
SD card	256GB or higher
OEM Warranty	3 Year

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

Image Sensor	1/2.8" 2MP PS CMOS Image Sensor
--------------	---------------------------------

Lens	3.6mm
Lens Type	Fixed-focal
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

### 3. 8 Port PoE Switch

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

### 4. 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	16MP; 12MP; 8MP; 5MP; 4MP; 3MP; 2MP; 720P; D1
Backup Mode	USB device
Hard Disk	2 SATA ports. The maximum HDD capacity varies with environment temperature
Certification	(STQC -Preferred) , BIS, CE , FCC
Interoperability standard	ONVIF
OEM Warranty	3 Year

### 5. Surveillance HDD

Form Factor	3.5inch
Capacity	4TB
Recording Technology	CMR
Cache (MB)	64 or higher
Interface	SATA 6Gb/s
OEM Warranty	3 Year
Preferred Brand	Seagate/WD Purple/Toshiba

## 6. 32" Full HD LED TV

Screen Type	LED
Display size	32
Resolution Standard	Full-HD
No of HDMI Port	2
No of USB Port	2
Ethernet (RJ45)	1
Preferred Brand	LG/Samsung/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, Operationalizing with Centralized Monitoring Facility and Maintenance of IP based CCTV Surveillance Security cameras at Kakkodi, Family Health Centre, Kozhikode 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.cdit.org](http://www.cdit.org). Prospective bidders are advised to regularly visit the website: [www.cdit.org](http://www.cdit.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 01.01.2025, 03.00 PM.**  
**The tender will be opened on the same day at 03.10 PM**

Sd/  
REGISTRAR, C-DIT  
Dated **24.12.2024**



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

Chithranjali Hills, Thiruvallom, Thiruvananthapuram-27

Phone: 0471-2380910, 912

---

**Ref. No. C-DIT/12/SSD- KAKKODI/24-25/T570**

**Dated 24.12.2024**

## **Annexure 1**

### **Proposed Locations and Solutions**

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

- |   |                          |
|---|--------------------------|
| 1. FHC-Entrance                               | – 4MP IP Camera ( 2Nos ) |
| 2. Inside FHC OP Room                         | – 2MP IP Camera (1No )   |
| 3. Inside FHC Waiting area                    | – 2MP IP Camera (3 Nos)  |
| 4. Inside FHC Lab                             | – 2MP IP Camera ( 1No)   |
| 5. Inside FHC—First Floor Stair case Entrance | – 2MP IP Camera (1No )   |

The Monitoring centre should be installed on the First floor.



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

Chitranjali Hills, Thiruvallam, Thiruvananthapuram-27

Phone: 0471-2380910, 912

No. C-DIT/12/CCTV-KAKKODI/2024-25/T570

Date: 24.12.2024

**COMPLIANCE STATEMENT**

Compliance statement of technical specification required for the items listed below. Technical compliance of every item should be marked, and in case of any deviation, it shall be entered in the Remarks column. The bidder must furnish the make and model of the product quoted without fail.

**1) 2MP fixed IP Bullet Camera**

Sl No	Parameter	Specification	Compliance (Yes/No)	Deviation if any
	<b>Make &amp; Model</b>			
1	Image Sensor	1/2.8" 2MP PS CMOS		
2	Lens	3.6mm		
3	Lens Type	Fixed-focal		
4	Video	H.265/		
5	WDR	120 dB		
6	IR	30 m or better		
7	Protection Grade	IP67		
8	Certification	(STQC -Preferred) ,		
9	Interoperability	ONVIF		
10	Starlight	Enabled		
11	SD card	256GB or higher		
12	OEM Warranty	3 Year		

**2) 4MP fixed IP Bullet Camera**

Sl No	Parameter	Specification	Compliance (Yes/No)	Deviation if any
	<b>Make &amp; Model</b>			
1	Lens Type	3.6mm		
2	Image Sensor:	1/3" 4MP PS CMOS or		
3	IR Distance	30m or better		
4	WDR	120dB		

5	Video Compression	H.265,H.264+; H.264;		
6	Protection	IP67		
7	Certification	(STQC -Preferred), CE,		
8	Interoperability	ONVIF		
9	Starlight Technology	Enabled		
10	SD card	256GB or higher		
11	OEM Warranty	3 Year		

### 3) 16 Channel Network Video Recorder

SI No	Parameter	Specification	Compliance (Yes/No)	Deviation if any
	<b>Make &amp; Model</b>			
1	IP Camera Input	16 channel		
2	Video Output	1-channel VGA, 1-channel		
3	Compression	H.265+/Smart H.264+/H.264/MJPEG		
4	Resolution	16MP; 12MP; 8MP; 5MP;		
5	Backup Mode	USB device		
6	Hard Disk	2 SATA ports. The maximum HDD capacity varies with		
7	Certification	(STQC -Preferred) , BIS, CE , FCC		
8	Interoperability standard	ONVIF		
9	OEM Warranty	3 Year		

### 4) 8 Port PoE switch

SI No	Parameter	Specification	Compliance (Yes/No)	Deviation if any
	<b>Make &amp; Model</b>			
1	Ethernet ports	Ports 1 through 8: 10/100/1000 (PoE), RJ45 Ports 9 and 10: 10/100/1000 (Uplink), RJ45		
2	Standards Compliance	IEEE802.3, IEEE802.3u, IEEE802.3x		

### 5) Surveillance HDD

SI No	Parameter	Specification	Compliance (Yes/No)	Deviation if any
	<b>Make &amp; Model</b>			

1	Form Factor	3.5 inch		
2	Capacity	4TB		
3	Recording Technology	CMR		
4	Cache (MB)	64 or higher		
5	Interface	SATA 6Gb/s		
6	OEM Warranty	3year		
7	Preferred Brand	Seagate/WD Purple/ST Skyhawk/Toshiba		

**6) Full HD LED TV**

<b>Sl No</b>	<b>Parameter</b>	<b>Specification</b>	<b>Compliance (Yes/No)</b>	<b>Deviation if any</b>
	<b>Make &amp; Model</b>			
1	Screen Type	LED		
2	Display size	32 Inches		
3	Resolution Standard	Full-HD		
4	No of HDMI Port	2		
5	No of USB Port	2		
6	Ethernet (RJ45)	1		
7	Number of Speakers	2		
8	Preferred Brand	Sony/Samsung/Panasonic/LG		

**Date**

**Stamp**

**Name, Contact Number and Signature of Bidder**



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

Chitranjali Hills, Thiruvallam, Thiruvananthapuram-27

Phone: 0471-2380910, 912

No. C-DIT/12/CCTV-KAKKAODI/2024-25/T570

Date: 24.12.2024

**FORM - A**  
**COMMERCIAL BID**

Quote No.

Date:

SI No	ITEM	QUANTITY	UNIT RATE (Incl. GST)	AMOUNT (Incl. GST)
1	Supply and Installation of 2MP IP Bullet Camera (As per tender Specification)	6Nos		
2	Supply and Installation of 4MP IP Bullet Camera (As per tender Specification)	2Nos		
3	Supply and Installation of 16 Channel NVR (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 Surveillance HDD 4TB (As per tender Specification)	1 No		
6	Supply and Installation of 32" Full HD LED TV (As per tender Specification)	1 No		
7	Supply and Installation of 4U Rack with PDU (As per tender Specification)	1 No		
8	Supply and Laying of STP Cable	250 Mtr		
9	Supply and Laying of Conduits	250 Mtr		
10	Supply and Installation of Other Electrical accessories	Lot		
<b>TOTAL</b>				

**Bidder Name:**

**Address:**

**e-mail id:**

**Date**

**Signature**

**Office Seal**