CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY (C-DIT)

Chitranjali Hills, Thiruvallam, Thiruvananthapuram-27

Phone: 0471-2380910, 912

No. C-DIT/11/CCTV- Thrikkadeeri /2026-27/T896 Date:05.11.2026

TENDER NOTICE

SUPPLY, INSTALLATION, TESTING, COMMISSIONING, OPERATIONALIZATION AND MAINTENANCE OF IP-BASED CCTV SURVEILLANCE SYSTEM AT THRIKKADEERI FAMILY HEALTH CENTRE, PALAKKAD DISTRICT.

Sealed tenders are invited for the **the supply, installation, testing, commissioning, operationalization and maintenance of IP-based CCTV Surveillance System at Thrikkadeeri Family Health Centre, Palakkad District**. The envelopes containing the tender should bear the superscription *"Tender for the* ***Supply, installation, testing, commissioning and maintenance of CCTV Surveillance Security System at*** **Thrikkadeeri Family Health Centre, Palakkad** *" and* should be addressed to The Registrar, Centre for Development of Imaging Technology (C-DIT), Chithranjali Hills, Thiruvallam, Thiruvanathapuram 695027. Intending tenderers may submit the tenders on their own papers by post/hand. Last date for receipt of tenders is **16.11.2026, 03.00 PM.** Late tenders will not be accepted. The tenders will be opened at **03.30 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

Thiruvananthapuram SD/-

05.11.2026 REGISTRAR

CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY (C-DIT)

Chitranjali Hills, Thiruvallam, Thiruvananthapuram-27

Phone: 0471-2380910, 912

No. C-DIT/11/CCTV- Thrikkadeeri /2026-27/T896 Date: 05.11.2026

TENDER TERMS

SUPPLY, INSTALLATION, TESTING, COMMISSIONING, OPERATIONALIZATION AND MAINTENANCE OF IP-BASED CCTV SURVEILLANCE SYSTEM AT THRIKKADEERI FAMILY HEALTH CENTRE, PALAKKAD DISTRICT.

1. GENERAL TERMS AND CONDITIONS

a) This Tender is invited **for the supply, installation, testing, commissioning, operationalization and maintenance of IP-based CCTV Surveillance System at Thrikkadeeri Family Health Centre, Palakkad District** 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.

c) The intending tenderer can visit the office location during office hours before submitting the tender.

2. 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 authorized service Centre.

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. (The **bidder shall submit a self-declaration on the bidder's letterhead.**)

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 lakh each during last 2 years. **(Documents should be attached)**

3. SCOPE OF WORK

To identify integrators/contractors for the supply, installation, testing, commissioning, operationalization and maintenance of IP-based CCTV Surveillance System at Thrikkadeeri Family Health Centre, Palakkad District.

4. 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 shall provide a warranty of 3 years for all active/passive items supplied .The warranty shall cover manufacturing defects, performance issues, and replacement of faulty components at no additional cost.
3. The bidder shall also provide a warranty of workmanship for all CCTV installation and commissioning work for a period of 3 years.
4. During the warranty period, the bidder shall ensure timely maintenance and support services, including preventive and corrective maintenance. If any item or service is found defective during the warranty period, the bidder shall repair or replace it without any additional charges.
5. The successful bidder shall install CCTV surveillance systems as per the specifications prescribed in the tender document and should install the cameras in the designated locations mentioned in the document.
6. The bidder should submit the MAF - Manufacturer's Authorization Form for cameras .
7. The offered CCTV cameras must be**: STQC approved by Standardisation Testing and Quality Certification (MeitY, Govt. of India)**and approved by Govt. of India.

8. Technical and other details of the items offered along with make &model and complete specification should also be mentioned in the tender**.**
9. The tenders shall invariably be accompanied by manufacturers catalogues and leaflets giving full technical specifications.
10. Bidder should not quote discontinued Brands or Models or for which OEM support is not available.
11. The successful bidder shall supply all equipment/ materials required to execute the work in the respective site as per the Bill of Material quoted.
12. All the Cameras have to be cabled by UTP CAT-6 Cable in the Buildings and connected to PoE Switch using structured cabling for the LAN. Proper conduit as per the specification should be provided.
13. The bidder shall set up a Monitoring facility at the FHC, Thrikkadeeri.
14. The bidder shall do all civil and electrical works for setting up of the CCTV solution.
15. 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.
16. 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).
17. The CCTV system installation includes the installation of indoor and outdoor cameras for proper surveillance coverage at each location.
18. 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.
19. 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.
20. 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.
21. Successful bidder should provide training to the team identified by the user for operation of the CCTV System and handhold on job.

22. The bidder shall handover all software products license keys/ passwords/ softwares/ installation files including user manual and all necessary documentation to C-DIT.

5. Proposed Locations and Solutions

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

- Cameras:- 5 × 4MP IP Dome/Bullet Cameras (OP Registration, Pharmacy, Waiting Area, Main Gate, etc).
- NVR: 8-Channel with 2TB HDD for data backup.
- Monitor: 24" LED Monitor for live viewing.
- Other Accessories: POE Switch, CAT6 Cabling, Rack, etc.
- The Monitoring facility will be setup at Office room. FHC ,Thrikkadeeri

6. SPECIFICATIONS

List of Active Components is attached as ANNEXURE-I, Passive Components attached as ANNEXURE-II , Technical specification of activities components attached as Annexure III and, Technical specification of passive components attached as ANNEXURE-IV.

Annexure-I

List of Active Components

Sl No	Item requirement	Quantity
1	4 MP IP Fixed dome/bullet Camera without starlight technology	5 nos
2	8 PORT POE Switch	1 no
3	8 Channel NVR (160 mbps)	1 no
4	2 TB Surveillance HDD	3 nos
5	24 inch Full HD LED Monitor	1 no

Annexure-II

List of Passive Components

Sl No	Item requirement	Quantity
1	CAT6 UTP Cable with Conduits	400 Mtr
2	4U Rack with PDU	1 no
3.	Wireless Mouse	1 no
4.	HDMI cable (5mtr)	1 no
5.	Other Electrical accessories	50 mtr

Annexure-III

TECHNICAL SPECIFICATIONS OF ACTIVE COMPONENTS

1. 4MP IP Fixed Dome/Bullet camera without starlight technology

1	Image Sensor	1/2.9" or higher 2MP PS CMOS Image Sensor
2	Lens	3.6mm fixed
3	Video Compression	H.265/ H.264+/H.264/ H.264B/ MJPEG or higher
4	Smart IR	Support
5	IR	30m or better
6	Protection Grade	IP67
7	Certification	STQC, BIS, CE, FCC
8	Interoperability standard	ONVIF
9	Audio	Built-in mic

10	Audio input	1 channel (RCA port)
11	Audio Output	1 channel (RCA port)
12	OEM Warranty	3 Year

2. 8-PORT POE Switch

1.	Port	12
2.	PoE Ports	8, 1000Mbps; RJ45 ports; Max. 30W Output of
3.	Uplink Ports	2 x 1000Mbps RJ45 ports + 2 x 1000Mbps SFP
4.	PoE Standard	IEEE802.3af, IEEE802.3at
5.	Transmission Distance	0-100m/1000Mbps or Port 7-8 Max.
6.	Switch Capacity	20Gbps Full duplex
7.	Warranty	3Year onsite
8.	Preferred Brand	CP Plus/Netgear/ Cisco

3. 8 channel NVR (160 Mbps)

1	IP Camera Input	8 channels
2	Video Output	1-channel VGA, 1-channel HDMI simultaneous video output.
3	Compression	H.265; H.265+; H.264+; H.264; MJPEG or higher
4	Encode strategy	Instastream
5	Hard Disk support	2 SATA III ports, up to 10TB Each
6	Resolution	8 MP/5 MP/ 4 MP/3MP/ 1080p/720p/D1/CIF
7	Network Bandwidth	160 Mbps for access, 160Mbps for storage and 80 Mbps for forwarding.
8	Certification	BIS, CE, FCC, STQC Compatible
9	Interoperability standard	Onvif
10	OEM Warranty	3 Year

11	Preferred brand	CP PLUS

4. Surveillance HDD 2TB

1.	Form Factor	3.5inch
2.	Capacity	2TB
3.	Recording Technology	CMR
4.	Cache (MB)	64/256 /128-256 or higher
5.	Spindle Speed (RPM)	~5400-7200 or higher
6.	Interface	SATA 6Gb/s
7.	OEM Warranty	3 Year onsite
8.	Preferred brand	WD purple/Seagate Skyhawk

5. 24-inch Full HD LED Monitor

1.	Display Type	Full HD LED Ultra slim bezel IPS
2.	Display size	24 inch
3.	Resolution	1920 x1080
4.	Connectivity	VGA x 1, Display Port 1.2 x 1, Headphone Jack x 1 , HDMI 1.4 x 1 with minimum 1 nos of 5-meter HDMI Cable with sufficient conduit. High Speed 10.2Gbps, CL3 Rated, Supports 4K 30Hz, Ultra HD, 3D,
5.	Aspect Ratio	16:9
6.	Viewing angle	178°
7.	Refresh rate	60Hz
8.	Speakers	2W x 2
9.	Mounting accessories	With sufficient wall mounting accessories suitable for site installation
10.	Working time	24*7
11.	Warranty	3Years onsite OEM
12.	Preferred brand	BenQ/LG/Samsung/HP

Annexure-IV

TECHNICAL SPECIFICATIONS OF PASSIVE COMPONENTS

Sl No	Items	Specification
1.	CAT6 UTP Cable	Category : 6 UTP Solid cable LSZH Conductor : 23 AWG (Solid) Conductor Meta : Bare Copper Insulation Material : HD-PE Pairs :2 Insulated conductors twisted together Sheath : LSZH Cable Diameter : 6.1 mm nominal Certification: UL,ETL **Make:Honeywell,3C3,Panduit, Simon,Systimax**
2.	PVC Conduits	PVC outer jacket for a CAT6 UTP/STP cable can have an outer diameter of 6.2 mm (ivory/white) ,ISI mark Make : Espee, Balco ,Precision, Trigger
3.	Pipe Fittings	As per PWD standard
4.	4U Rack with PDU	Wall mount,7" x 19" x 24", 30 kg,Lockable door, cable management, ventilation. Make: Netrack, GTX, CP PLUS, Teltronix, Rittal
5.	Wireless Mouse	Wireless Technology. Advanced 2.4GHz Operating Distance -32 ft (10 m) Make: Logitech, Dell, Acer
6.	HDMI cable (5 mtr)	5-meter HDMI Cable with sufficient conduit. High Speed 10.2Gbps, CL3 Rated, Supports 4K 30Hz, Ultra HD, 3D, 1080p Make: Honeywell,Belkin,Aurum Cables
7.	Electrical Wiring including Conduits, Wires as PWD Standard	Using 1.5 sqmm 3 core ISI FRLS cable Make: RR Kabel, Havells, Finolex, Polycab
3.	Pipe Fittings	As per PWD standard

4.	3" c Class GI Pipe with 5 meter length with suitable cabin for the installation of power distribution boxes (if required)	Pole size 75mm GI pipe C class ,ISI standard ,6 m height fixed in RCC 1:1.5:3 mix 45 cm*45cm*100cm depth, Mount bracket for camera fixing. **Make: Tata, Apollo, JSW, Jindal**
5.	Outdoor Rack (PVC/SMC) POE box	Water ,shock and dust proof, sufficient lock and PDU suitable for all accessories ,storage in pole for switch, modem , media converter and UPS
6.	Media Converter Giga (10/100/1000)	1 pair built-in Single-mode Fiber Module 20 km (12.42 miles) with dual SC ports and extend Gigabit or Fast Ethernet Network up to 20 km .splicing and patch cord with box. Auto negotiation function allows UTP port to 10/100/1000M and Full&Half-Duplex mode supported. **Make- Syrotech, Netgear,TP LINK**
7.	Electrical Wiring including Conduits, Wires as PWD Standard	Using 1.5 sqmm 3 core ISI FRLS cable **Make: RR Kabel, Havells, Finolex, Polycab**

OTHER TERMS AND CONDITIONS

1. The bidders will be responsible for effecting supply and installation to the entire satisfaction of the undersigned or his authorized representatives.
2. 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.
3. **BOQ should be submitted in your Letter Head.**
4. **Bidder shall submit Compliance sheet attached along with this tender.**
5. No advance payment will be made against supplies.
6. **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.
7. **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.**

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. **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 36 months from the date of commissioning of the work.

12. **PAYMENT TERMS:** 100% payment against successful Supply, installation & commissioning of the Equipment against submission of invoice and Performance Bank Guarantee.

13. **AFTER SALES SERVICE**

- Service support personnel should be available at any time on demand. The bidder has to rectify the fault within 24 hours of service calls.

- The Telephone Number and address of the designated persons should be submitted for reporting faults during the warranty period

14. **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.

15. **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.

16. 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. Prospective bidders are advised to regularly visit the website: www.cdit.org to keep track of corrigendum, if any.

17. Any dispute / differences between the parties arising out of and in connection with the contract shall be settled amicably by mutual negotiations. Unresolved disputes/ differences, if any, shall be settled by Arbitration and the arbitration proceedings shall be conducted at Thiruvananthapuram (India) in English language, under the Indian Arbitration and Conciliation (Amendment) Act, 2015. Unsettled disputes will be referred to courts and courts in Thiruvananthapuram/ Kerala will have exclusive jurisdiction over the same.

18. **<u>In case of doubt:</u>**

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**

The last date for submission of tender 16.11.2026, 03.00 PM. The tender will be opened on the same day at 03.30 PM

Sd/

REGISTRAR, C-DIT

Dated **05.11.2026**

CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY (C-DIT)

Chithranjali Hills, Thiruvallom, Thiruvananthapuram-27

Phone: 0471-2380910, 912

C-DIT/11/CCTV- Thrikkadeeri /2026-27/T896 Date:05.11.2026

FORM – A COMMERCIAL BID

(BOQ should be submitted in your Letter Head)

Quote No. **Date:**

Sl No	ITEM	QUANTITY REQUIRED	UNIT RATE (Incl. GST)	AMOUNT (Incl. GST)
1	Supply and installation of 4 MP IP Fixed dome/bullet Camera without starlight technology (As per Tender Specifications)	5 nos		
2	Supply and installation of 8 PORT POE Switch (As per Tender Specifications)	1 no		
3	Supply and installation of 8 Channel NVR (160 mbps) (As per Tender Specifications)	1 no		
4	Supply and installation of 2 TB Surveillance HDD (As per Tender Specifications)	3 nos		
5	Supply and installation of 24 inch Full HD LED Monitor (As per Tender Specifications)	1 no		
6	Supply and installation of CAT6 UTP Cable with Conduits (As per Tender Specifications)	400 Mtr		
7	Supply and installation of 4U Rack with PDU (As per Tender Specifications)	1 no		
8	Supply and installation of Wireless Mouse (As per Tender Specifications)	1 no		
9	Supply and installation of HDMI cable (5mtr) (As per Tender Specifications)	1 no		
10	Supply and installation of other Electrical accessories	50 Mtr		
	TOTAL			

Bidder Name:
Address:

e-mail id: **Signature**

Date **Office Seal**

C-DIT/11/CCTV- Thrikkadeeri /2026-27/T896 Date:05.11.2026

COMPLIANCE SHEET

ACTIVE COMPONENTS

1. 4MP IP Fixed Dome/Bullet camera without starlight technology

Make:		Model:		
Sl No	**Items**	**Specification**	**Compliance (Yes/no)**	**Deviation If Any**
1	Image Sensor	1/2.9" or higher 2MP PS CMOS Image Sensor		
2	Lens	3.6mm fixed		
3	Video Compression	H.265/ H.264+/H.264/ H.264B/ MJPEG or higher		
4	Smart IR	Support		
5	IR	30m or better		
6	Protection Grade	IP67		
7	Certification	STQC, BIS, CE, FCC		
8	Interoperability standard	ONVIF		
9	Audio	Built-in mic		
10	Audio input	1 channel (RCA port)		
11	Audio Output	1 channel (RCA port)		
12	OEM Warranty	3 Year		

2. 8-PORT POE Switch

Make:		Model:		
Sl No	**Items**	**Specification**	**Compliance (Yes/no)**	**Deviation If Any**
1.	Port	12		
2.	PoE Ports	8, 1000Mbps; RJ45 ports; Max. 30W Output of Single PoE Port		
3.	Uplink Ports	2 x 1000Mbps RJ45 ports + 2 x 1000Mbps SFP ports		
4.	PoE Standard	IEEE802.3af, IEEE802.3at		
5.	Transmission Distance	0-100m/1000Mbps or Port 7-8 Max. 200m/10Mbps via Cat.5e or more under Extend mode		
6.	Switch Capacity	20Gbps Full duplex		
7.	Warranty	3Year onsite		
8.	Preferred Brand	CP Plus/Netgear/ Cisco		

3 8 channel NVR (160 Mbps)

• Make:		Model:		
Sl No	**Items**	**Specification**	**Compliance (Yes/no)**	**Deviation If Any**
1	IP Camera Input	8 channels		
2	Video Output	1-channel VGA, 1-channel HDMI simultaneous video output.		
3	Compression	H.265; H.265+; H.264+; H.264; MJPEG or higher		
4	Encode strategy	Instastream		

5	Hard Disk support	2 SATA III ports, up to 10TB Each		
6	Resolution	8 MP/5 MP/ 4 MP/3MP/ 1080p/720p/D1/CIF		
7	Network Bandwidth	160 Mbps for access, 160Mbps for storage and 80 Mbps for forwarding.		
8	Certification	BIS, CE, FCC, STQC Compatible		
9	Interoperability standard	Onvif		
10	OEM Warranty	3 Year		
11	Preferred brand	CP PLUS		

4 Surveillance HDD 2TB

Make: -		Model:		
Sl No	**Items**	**Specification**	**Compliance (Yes/no)**	**Deviation If Any**
1.	Form Factor	3.5inch		
2.	Capacity	2TB		
3.	Recording Technology	CMR		
4.	Cache (MB)	64/256 /128-256 or higher		
5.	Spindle Speed (RPM)	~5400-7200 or higher		
6.	Interface	SATA 6Gb/s		

7.	OEM Warranty	3 Year onsite		
8.	Preferred brand	WD purple/Seagate Skyhawk		

9. 24-inch Full HD LED Monitor

Make:		Model:		
Sl No	**Items**	**Specification**	**Compliance (Yes/no)**	**Deviation If Any**
1.	Display Type	Full HD LED Ultra slim bezel IPS		
2.	Display size	24 inch		
3.	Resolution	1920 x1080		
4.	Connectivity	VGA x 1, Display Port 1.2 x 1, Headphone Jack x 1 , HDMI 1.4 x 1 with minimum 1 nos of 5-meter HDMI Cable with sufficient conduit. High Speed 10.2Gbps, CL3 Rated, Supports 4K 30Hz, Ultra HD, 3D,		
5.	Aspect Ratio	16:9		
6.	Viewing angle	178°		
7.	Refresh rate	60Hz		
8.	Speakers	2W x 2		
9.	Mounting accessories	With sufficient wall mounting accessories suitable for site installation		
10.	Working time	24*7		
11.	Warranty	3Years onsite OEM		
12.	Preferred brand	BenQ/LG/Samsung/HP		

7. TECHNICAL SPECIFICATIONS OF PASSIVE COMPONENTS

Sl No	Items	Specification	Compliance (Yes/no)	Deviation If Any
1.	CAT6 UTP Cable	Category : 6 UTP Solid cable LSZH Conductor : 23 AWG (Solid) Conductor Meta : Bare Copper Insulation Material : HD-PE Pairs :2 Insulated conductors twisted together Sheath : LSZH Cable Diameter : 6.1 mm nominal Certification: UL,ETL **Make:Honeywell,3C3,Panduit, Simon,Systimax**		
2.	PVC Conduits	PVC outer jacket for a CAT6 UTP/STP cable can have an outer diameter of 6.2 mm (ivory/white) ,ISI mark **Make : Espee, Balco ,Precision, Trigger**		
3.	Pipe Fittings	As per PWD standard		
4.	4U Rack with PDU	Wall mount,7" x 19" x 24", 30 kg,Lockable door, cable management, ventilation. **Make: Netrack, GTX, CP PLUS, Teltronix, Rittal**		
5.	Wireless Mouse	Wireless Technology. Advanced 2.4GHz Operating Distance -32 ft (10 m) **Make: Logitech, Dell, Acer**		
6.	HDMI cable (5 mtr)	5-meter HDMI Cable with sufficient conduit. High Speed 10.2Gbps, CL3 Rated, Supports 4K 30Hz, Ultra HD, 3D, 1080p **Make: Honeywell,Belkin,Aurum Cables**		

7.	Electrical Wiring including Conduits, Wires as PWD Standard	Using 1.5 sqmm 3 core ISI FRLS cable **Make: RR Kabel, Havells, Finolex, Polycab**		

Bidder Name:

Address:

e-mail id: **Signature**

Date **Office Seal**