



CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY (C-DIT)
Chitranjali Hills, Thiruvallam, Thiruvananthapuram-27
Phone: 0471-2380910, 912

No. C-DIT/03/CCTV-KUNN/2023-24/T486 Date: 11.03.2024

LIMITED TENDER FOR THE SUPPLY, INSTALLATION, OF IP BASED CCTV SURVEILLANCE AT GOVERNMENT VETERINARY POLY CLINIC, KUNNAMKULAM, THRISSUR AND PROVIDING CENTRALISED MONITORING FACILITY

Limited tenders are invited for the supply and installation of CCTV Surveillance system **at Govt Veterinary Ployclinic, Kunnamkulam, Thrissur**. The envelopes containing the tender should bear the superscription **“supply and installation of CCTV Surveillance”** 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 **15.03.2024, 3.00 PM**. The tenders will be opened at 3.30 PM on 15.03.2024 in C-DIT office in the presence of the tenderers or their authorized representatives who may be present at that time.

Thiruvananthapuram
11.03.2024

Sd/
REGISTRAR

Technical Specification

1. SPECIFICATIONS

1.0 Varifocal Camera (2MP IP Bullet Motorized) -7 Nos

SL No	PARAMETER	SPECIFICATION
1	Lens Type	3.6mm ~12mm, Motorized or better
2	Image Sensor:	1 /2 .8" or higher Progressive Scan CMOS or better
3	IR Distance	Up to 30 m or better
4	Video Compression	H.265+/H265/H264/
5	ONVIF Profile	ONVIF profiles and Profile G compliant
6	Certification	CE,UL, FCC,BIS
7	Warranty	2 Years OEM warranty
8	Make/ Model preference	CP Plus, Dahua, Hikvision, Honeywell or equivalent

2.0 Bullet Camera (2MP IP Bullet)- 1 No

SL No	PARAMETER	SPECIFICATION
1	Lens Type	3.6mm or better
2	Image Sensor:	1 /2 .8" or higher Progressive Scan CMOS or better
3	IR Distance	Up to 30m or better
4	Video Compression	H.265+/H265/H264/
5	ONVIF Profile	ONVIF profiles and Profile G compliant
6	Ingress Protection	IP67 rated for Weather resistant performance.
7	Event	Motion detection, Video tampering, Network disconnection, IP conflict, Illegal access
8	Certification	BIS
9	Warranty	2 Years OEM warranty
10	Make/ Model preference	CP Plus, Dahua, Hikvision, Honeywell or equivalent

3.0 Network Video Recorder (8 Channel)- 1 No

SL No	PARAMETER	SPECIFICATION
1	No of Channels	8 channel IP
2	Input Bandwidth	80 Mbps
3	Supported Video Compression	H.264/H.264+/H.265/ H.265+or better
4	Storage Support	2 SATA Port up to 8Tb /HDD
5	Certification	BIS Certificate
6	Warranty	2 Years OEM warranty
7	Make/Model preferred	CPPlus, Dahua, Hikvision, Honeywell

4.0 PoE Switch (8 Port)- 1 No

SL No	PARAMETER	SPECIFICATION
1	Physical Specifications	10/100/1000 PoE
2	Certifications	BIS,CE, FCC,
3	Warranty and Support	2 Years OEM warranty
4	Make/ Model	CPPlus, Dahua, Hikvision, Honeywell D-Link, Netgear, Cisco or equivalent

5.0 Professional Display- 1 No

SL No	PARAMETER	SPECIFICATION
1	Size (inch/cm)	32" LED Display
2	Connector type	1 HDMI Port and 1VGA
3	Mounting accessories	With sufficient wall mounting accessories
4	Make/Model	LG, Panasonic, Sony , Samsung or equivalent
5	HDMI Cable	<ol style="list-style-type: none">1. High Speed 10.2Gbps2. HDMI Cable - CL3 Rated3. Supports 4K 30Hz, Ultra HD, 3D, 1080p, Ethernet and Audio Return (Latest Standard)4. 5 Meters

6.0 Surveillance HDD- 1 No

SL No	PARAMETER	SPECIFICATION
1	Capacity	8TB Surveillance HDD
2	Warranty (Years)	2 years
3	Make/Model	WD Purple, Seagate , Skyhawk

TECHNICAL SPECIFICATION FOR PASSIVE COMPONENTS

1.0 CAT 6 UTP Cable - 300 Mtr

SL No	PARAMETER	SPECIFICATION
1	Category	CAT 6 UTP solid cable
2	Conductor	23 AWG (solid)
3	Conductor material	Bare copper
4	Insulation material	HD-PE
5	Certificates	UL certified, IEEE standard, BIS (preferable)
6	Make/Model preferred	Molex, Comm Scope, AMP or equivalent

2.0 Power Cable (2.5 sq mm)- 300 Mtr

SLNo	PARAMETER	SPECIFICATION
1	No: of Core	3 core
2	Size of conductor	2.5 sq mm
3	Conductor Material	Copper
4	Type	FRLHS with ISI
5	Make/Model	Finolex, Havells, Polycab or equivalent

3.0 6U Wall Mountable Rack- 3 Nos

SL No	PARAMETER	SPECIFICATION
1	Dimensions	6U 19", 6U x 550 W x 550 D
2	PDU	Power distribution unit with accessories
3	Make/ Model preferred	CPPlus, Netrack, Unicorn or equivalent

4.0 Conduit- Lot

SLNo	PARAMETER	SPECIFICATION
1	Type	Medium
2	Material	PVC

3	Features	Corrosion resistant, Chemical resistant
4	Grade	FRLS, ISI

5.0 HDPE Pipe

SL No	PARAMETER	SPECIFICATION
1	Material	HDPE
2	Features	Corrosion resistant, Chemical resistant, UV Resistant, Flexible, Tough

2. 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 install CCTV surveillance systems as per the specifications prescribed in the tender document and should install the cameras in the Specified locations at the campus of **Government Veterinary Poly Clinic, Kunnamkulam, Thrissur** monitoring facility at the office of **Government Veterinary Poly Clinic, Kunnamkulam, Thrissur**,
3. The successful bidder shall supply all equipment/ materials required to execute the work in the respective sites as per the Bill of Material quoted.
4. The bidder shall ensure the CCTV camera will cover the following locations in the campus of **Government Veterinary Poly Clinic, Kunnamkulam, Thrissur**.

Sl No	Name of the Location
1	Main Gate
2	Consultation Area
3	Cages -4

5. The locations provided are indicative and may change. The bidder has to finalize the location of the cameras in consultation with the C-DIT officials before installation.
6. All the Cameras have to be cabled by UTP CAT-6 Cable and connected to PoE Switch using structured cabling for the LAN. Proper conduit as per the specification should be provided.
7. All the Cameras have to be cabled by UTP CAT-6 Cable and connected to PoE Switch using structured cabling for the LAN. Proper conduit as per the specification should be provided.
8. In case of connecting multiple buildings, It is the responsibility of the bidder to make trenches as per the specification for placing the cables and thereafter to fill them properly.
9. The bidder shall set up a Monitoring facility at the office of **Government Veterinary Poly Clinic, Kunnamkulam, Thrissur**. The bidder shall do all civil and electrical works for setting up the of CCTV solution.
10. The Successful bidder shall be responsible for making the surveillance system in full functional condition after the Installation.

11. The Successful bidder should provide training to the concerned officials regarding the working principles of the surveillance system installed.
12. 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.
13. 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).
14. 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.
15. 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.
16. 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.
17. The bidder shall ensure two 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
18. Successful bidder should provide training to the team identified by the user for operation of the CCTV System and handhold on job.
19. The bidder shall handover all software products license keys/ softwares/ installation files including user manual and all necessary documentation to C-DIT.

Terms & Conditions

1. **There is a separate bid form provided for quoting the financial offers. The supplier shall submit the price offers in the bid form attached with in the document.**
2. **The rate quoted by the bidder should include all taxes and supply at site.**
3. Work shall arrange within 15 days on receipt of the firm order.
4. The bidder should submit the supporting documents for the prior experience in CCTV Surveillance.
5. 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 quoted for the items shall be firm and no enhancement will be allowed under any circumstances.
7. Payment Terms: 100% payment against successful supply, installation and against submission of invoice. **No advance payment will be made against the supply.**
8. If the bidder has any doubt on technical specifications, please contact Shri. Vinod N, HOD, Surveillance Solution Dept, Mob No. 9895788233.

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PRICE BID FORM

The bidder shall submit their price offers in the prescribed form as stated below. The rate should be quoted for the unit shown in the list and tenders which do not indicate this essential information will not be considered.

SI No	Items	Make & Model No.	Quantity	Unit price	Total (Inclusive of taxes)
1	Supply and Installation of 2MP IP Bullet Camera - 1/2.8 " or higher CMOS Sensor, lens :3.6mm, IR Range 30 mtr, IP 67, ONVIF Compliance.BIS Certified		7 Nos		
2	Supply and Installation of 2MP Varifocal Camera - 1/2.8 " or higher CMOS Sensor, lens :3.6mm to 12mm Varifocal, IR Range 30 mtr, ONVIF Compliance. BIS Certified		1Nos		
3	Supply and Installation of 8 Channel NVR with 2 SATA HDD up to 8 TB each, Min. Band width 80 Mbps		1 No		
4	Supply and Installation of 8 Port POE Switch +2 uplink port All port 10/100/1000		1 No		
5	Supply and Installation of 8 TB SURVEILLANCE HARD DISC (Segate, Skyhawck, WD Purple)		1 No		
6	Supply and Installation of 32" LED Display with sufficient HDMI cable		1 No		
7	Supply and Installation of 4 U Rack with PDU and other accessories Preference (Netrack,MRS,Rackspace,Unicorn)		1 No		
8.	Supply and Installation of Cat6 UTP Cable -23 AWG, UL Certified cable with Conduit (ISI, Ivory, Medium). Cabling with Trenching or overhead/Wall include pipe with sufficient accessories. (Molex/Honeywell/CommScope)		300 Mtr		

Bidder Name

Address

Mobile No

email id

Signature

Date

office Seal