

Tender Notice

Tender Number	CDS/CC/2023-24/T4 dated 05-12-2024
Due date and time for receipt of Quotations	On or before 24 December 2024 (5 PM)
EMD	Rs:1500/-
Designation and address of officer to whom the bid is to be addressed	Registrar, Centre for Development Studies, Prashanth Nagar,Ulloor, Thiruvananthapuram
Contact Person	Sarath.V 9447699342
Superscription: Tender for Supply and installation of CCTV in for Centre for Development Studies	

Sealed tenders are invited under two cover bid system on behalf of M/s CDS Thiruvananthapuram for "Supply, Installation, Testing and Commissioning of CCTV as per the BOM and technical specifications enclosed. The necessary superscription, due date for the receipt of tender, name and address of the officer to whom the bid is to be sent are given above.

Terms and conditions.

1. The bidder should be existing and in operation in Kerala for the last 5 years
2. Items offered should be as per requirements mentioned in the BOM.
3. Items are to be supplied and installed at CDS, Ulloor, Thiruvananthapuram
4. Delivery of materials at site including unloading and installation shall be the responsibility of the supplier, as applicable.
5. Bidder shall contact CDS for any clarification regarding the technical requirement.
6. Bidders are advised to visit and familiarize themselves with the site conditions and concerned areas before submission of Quotations.
7. Warranty for one year from the date of installation is to be provided for all items other than items mentioned with Warranty in BOM /Technical specifications
8. Bidder should submit Manufacturer authorization (MAF) and Non-Black list Declaration.

9. The Bidder shall remit a refundable **Earnest Money Deposit (EMD) of Rs.1500/-** in the form of a crossed Bank Draft / Pay Order of Scheduled Commercial Bank drawn in favor of The Registrar, Centre for Development Studies at Thiruvananthapuram. The DD should be kept along with the technical bid. The EMD collected will be forfeited if the bidder withdraws, or amends tender impairs or derogates from the tender in any respect within the period of validity of its tender. If the bidder is registered as MSME, then EMD is not required.
10. Any components or modules failing during the course of work shall be replaced free of cost by the Supplier.
11. The Bidder's supervisor should be available at the site from the day of starting the work, and he should be present till the work is completed.
12. All civil work like cutting, chasing, drilling, etc. shall be finished to ensure smooth leveled surfaces matching the existing aesthetics of the office to the extent possible.
13. The decision of the Centre in the matters relating to this tender will be in accordance with the contract to be executed and will be binding on the agency.
14. All disputes arising out of or in any way connected with this process shall be deemed to have arisen in Thiruvananthapuram and within the jurisdiction of the Court at Thiruvananthapuram.
15. The Centre shall have the right to issue addendum to tendered documents to clarify, amend, modify, supplement or delete any of the condition, clause or items stated therein. Each addendum shall form a part of the original invitation to tender.
16. The Centre reserves the right to accept or reject tender without assigning any reason thereof. No claim or complaint in this regard will be entertained by the Centre.
17. Payment amount will be released only after the successful completion and testing of the assignment.

How to apply

The tender must consist of two envelopes marked as **Technical bid** and **Financial bid** respectively.

Technical bid should contain the documents required to fulfill eligibility criteria, Demand Draft for EMD, MAF and Non-Black list Declaration, Annexure-1, Annexure –II (technical specifications/compliance), Annexure III (Details of the items quoted) and any other relevant documents as per the tender document.

Financial Bid should contain Annexure IV – Financial bid.

Thereafter, both the envelope should be placed in a third sealed cover super scribed **“Tender for Supply and installation of CCTV at Centre for Development Studies”** and should be submitted to:

The Registrar,
Centre for Development studies
Prasanth Nagar, Ulloor
Thiruvananthapuram

The financial bid will be opened for those tenders who satisfy the terms and conditions of the technical bid. The final amount will be taken into consideration for comparison of financial bids.

BOM

SI NO	Item description	Quantity
1	4MP Fixed IR Bullet Camera	3
2	4MP Motorized IR Bullet Camera with Smart IR	1
3	8 Channel NVR with 2 SATA interface for Two HDD	1
4	Surveillance HDD 6TB	1
5	PoE injector	4
6	Camera box and other accessories	4
7	Camera Installation	4

Detained technical specification are mentioned in Annexure II

Annexure I
(In Letter head)

General Information of the BIDDER

1	Name of BIDDER	
2	Address	
3	Telephone Number	
4	Email	
5	Correspondence Address Name Address E-mail Phone	
6	PAN No. (Attach copy of PAN):	
7	GST. (Attach copy of GST registration No.	
8	MSME Status (Yes/No).). If yes attach copy of MSME registration certificate	

Declaration

I/We certify that all the particulars furnished above are true and correct.

Signature with Seal of Authorized Signatory

Name :

Designation :

Date.....

Place.....

Annexure II

Technical Specifications /Compliance

Detailed Specification for 4MP Motorized IR Bullet Camera with Smart IR				
Sl. No	Feature	Description of features	Compliance Yes/No	Remarks
1	Image Sensor	1/2.8" CMOS		
2	Signal System	PAL/NTSC		
3	Min. Illumination	Color: 0.02Lux@ (F2.0, ACG ON), B/W: 0Lux with IR		
4	Shutter Time	1s to 1/100,000s		
5	Day & Night	Dual IR Cut Filter with Auto Switch		
6	Wide Dynamic Range	120dB		
7	Angle Adjustment	Bracket, pan 0°360°, tilt 0°75°, roate 0°360°		
8	Lens Type	Motorized		
9	Focus	2.8-12mm		
10	Lens Mount	14		
11	Aperture	F1.6F3.3, Fixed		
12	FOV	Horizontal field of view: 100.4°26.8°		
13	IR LEDs	4		
14	IR Range	Up to 80m		
15	Wavelength	850nm		
16	Video Compression	IH+265/H.265/H.264		
17	Video Bit Rate	32Kbps-6Mbps		
18	Audio Compression	G.711/G.711U/ADPCM		
19	Audio Bit Rate	8K-48Kbps		
20	Max. Resolution	2592X1520 @ 25fps		
21	Main Stream	PAL: 25fps (2592x1520, 2560x1440, 2304x1296, 1920x1080, 1280x720) NTSC: 25fps (2592x1520, 2560x1440), 30fps (2304x1296, 1920x1080,1280x720)		
22	Sub Stream	PAL: 25fps (704x576, 704x288, 640x360, 352x288) NTSC: 30fps (704x480, 704x240, 640x360, 352x240)		
23	Image Setting	Saturation, brightness, contrast, sharpness, adjustable by client software or web browser		
24	Image Enhancement	BLC/3D DNR/HLC		
25	OSD	16x16, 32x32, 48x48, 64x64, adaptable size, Letters Such as Week, Date, Time, Total 3 Regions		
26	Privacy Mask	Yes, 4 regions		
27	Smart Defog	Yes		
28	Alarm Trigger	Motion Detection, Mask Alarm, IP Address Conflict		
29	Video Analytics	Tripwire, Perimeter		
30	Protocols	TCP/IP, HTTP, FTP, DHCP, DNS, DDNS, MULTICAST, IPV4, NTP, UDP, Telnet		
31	Web Version	Web5		
32	Mobile View	Yes		
33	Communication Interface	1 RJ45 10M/ 100M self adaptive Ethernet port		

34	Audio I/O	Mic in		
35	Reset Button	Yes		
36	On-board storage	Built-in Micro SD card slot, up to 512 GB		
37	Web Client Language	English		
38	Operating Conditions	-35oC'65oC, 0'95% RH		
39	Power Supply	DC 12V±25%, PoE (802.3af)		
40	Power Consumption	MAX: 7.5W (12V) MAX: 9W (PoE)		
41	Protection	IP67, Lightning protection, surge protection		
42	Preferred Make	Bosch, Pelco, Honeywell , Axis , Panasonic		
43	Certifications	CE		
		RoHS		
		FCC		
		NDAA Complaint		
44	Declaration	Should submit Non-Black list Declaration.		
45	MAF	Should submit Manufacturer authorization.		
46	Warranty	2 year		

Detailed Specification for 4MP Fixed IR Bullet Camera.

Sl. No	Feature	Description of features	Compliance Yes/No	Remarks
1	Image Sensor	1/2.8" CMOS		
2	Signal System	PAL/NTSC		
3	Min. Illumination	Color: 0.002Lux@ (F1.6, ACG ON), B/W: 0Lux with IR		
4	Shutter Time	1s to 1/100,000s		
5	Day & Night	Dual IR Cut Filter with Auto Switch		
6	Wide Dynamic Range	120dB		
7	Angle Adjustment	Bracket, pan 0'360°, tilt 0'75°, roate 0'360°		
8	Lens Type	Fixed		
9	Focus	4mm		
10	Lens Mount	M12		
11	Aperture	F1.6 Fixed		
12	FOV	Horizontal field of view: 93.8(2.8mm)°'78(4mm)°		
13	IR LED	2		
14	IR Range	Up to 50m		
15	Wavelength	850nm		
16	Video Compression	IH+265/H.265/H.264		
17	Video Bit Rate	32Kbps'6Mbps		
18	Audio Compression	G.711/G.711U/ADPCM		
19	Audio Bit Rate	8K'48Kbps		
20	Max. Resolution	2592X1520 @ 25fps		

21	Main Stream	PAL: 25fps (2592x1520, 2560x1440, 2304x1296, 1920x1080, 1280x720) NTSC: 25fps (2592x1520, 2560x1440), 30fps (2304x1296, 1920x1080,1280x720)		
22	Sub Stream	PAL: 25fps (704x576, 704x288, 640x360, 352x288) NTSC: 30fps (704x480, 704x240, 640x360, 352x240)		
23	Image Setting	Saturation, brightness, contrast, sharpness, adjustable by client software or web browser		
24	Image Enhancement	BLC/3D DNR/HLC		
25	OSD	16x16, 32x32, 48x48, 64x64, adaptable size, Letters Such as Week, Date, Time, Total 3 Regions		
26	Privacy Mask	Yes, 4 regions		
27	Smart Defog	Yes		
28	Alarm Trigger	Motion Detection, Mask Alarm, IP Address Conflict		
29	Video Analytics	Tripwire, Perimeter		
30	ANR	Yes, auto store video in SD card when NVR disconnected, and upload video to NVR when resumed connection.		
31	Protocols	TCP/IP, HTTP, FTP, DHCP, DNS, DDNS, MULTICAST, IPV4, NTP, UDP, Telnet		
32	System Compatibility	ONVIF (PROFILE S/T/G)		
33	Web Version	Web5		
34	Mobile View	Yes		
35	Communication Interface	1 RJ45 10M/ 100M self adaptive Ethernet port		
36	Audio I/O	Mic in		
37	Reset Button	Yes		
38	On-board storage	Built-in Micro SD card slot, up to 512 GB		
39	Web Client Language	English		
40	Operating Conditions	'-35°C'65°C, 0'95% RH		
41	Power Supply	DC 12V±25%, PoE (802.3af)		
42	Power Consumption	MAX: 6W (12V) MAX: 7W (PoE)		
43	Protection	IP67, Lightning protection, surge protection and voltage transient protection		
44	Preferred Make	Bosch, Pelco, Honeywell , Axis , Panasonic		
45	Certifications	CE		
		RoHS		
		FCC		
		NDAA Complaint		
46	Declaration	Should submit Non-Black list Declaration.		
47	MAF	Should submit Manufacturer authorization.		
48	Warranty	2 year		

..

Detailed Specification for 8 Channel NVR

Sl. No	Feature	Description of features	Compliance Yes/No	Remarks
1	Video Input	8 Channel		
2	Max Resolution	8MP (Supports live view, storage, and playback of the connected camera at up to 8MP resolution)		
3	Bandwidth	Income 120Mbps; Outgoing 100Mbps		
4	Output	HDMI and VGA simultaneous output. HDMI Video output at up to 4K (3840 × 2160) resolution.		
5	HDMI Output	HDMI 1-ch, 3840×2160,1920×1080, 1280×720, 1024×768, 1366×768, 1440×900, 1280×800		
6	VGA Output	VGA 1-ch, 1920×1080, 1440×900, 1366×768, 1280×800, 1280×720, 1024×768		
7	Screen Split	1/3/4/5/6/7/8/9/10		
8	Audio Output	1x RCA		
9	Decoding Format	IH+265/H.265/H.264 (Connectable to the thirdparty network cameras)		
10	Recording Resolution	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF		
11	Preview Capability	1x8MP, 1x6MP, 1x5MP, 1x4MP, 1x3MP, 4x1080P, 8x720P, 10x4CIF		
12	Synchronous Playback	1x8MP, 1x6MP, 1x5MP, 1x4MP, 1x3MP, 3x1080P, 4x720P		
13	Records Encryption	Yes		
14	Hard Disk	2 SATA interface for 2 HDDs		
15	Hard Disk Capacity	Up to 10TB each HDD.		
16	Network Interface	1xRJ45 self-adaptive 10/100 Mbps network interface		
17	USB Interface	2xUSB 2.0		
18	Network Protocol	TCP/IP, ICMP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, IGMP, QoS, IPV4, IPV6, Multicast, ARP, UDP, Telnet, RTMP, NFS.		
19	System Compatibility	ONVIF (PROFILE S/T)		
20	Web Version	Web6		
21	Language	English		
22	Operating Conditions	-10°C'55°C, 10%'90% RH		
23	Power Supply	DC12V 3.33A		
24	Consumption	≤10W (without HDD)		
25	Chassis	1U		
26	Preferred Make	Bosch, Pelco, Honeywell , Axis , Panasonic		
36	Certifications	CE		
		RoHS		
		FCC		
		NDAA Compliant		
37	Declaration	Should submit Non-Black list Declaration.		
38	MAF	Should submit Manufacturer authorization.		
39	Warranty	2 year		

		Detailed Specification for Surveillance HDD		
SINO	Feature	Description of features	Compliance Yes/No	Remarks
	Storage capacity	6 TB		
	Brand	WD, Seagate		
	Type	Surveillance		
	Warranty	3 Year		

		Detailed Specification for POE Injector		
SINO	Feature	Description of features	Compliance Yes/No	Remarks
	Brand	Tplink / dlink		

Annexure III

Details of the items quoted

SI NO	Item description	Brand and Model Quoted	Quantity
1	4MP Fixed IR Bullet Camera		
2	4MP Motorized IR Bullet Camera with Smart IR		
3	8 Channel NVR		
4	Surveillance HDD 6TB		
5	PoE injector		
6	Camera box and other accessories		
7	Camera Installation		

Please attach specification and other details from the manufacturer.

Signature with Seal of Authorized Signatory

Name :

Designation :

Date.....

Place.....

Annexure IV – Financial Proposal

(In Letter head)

SI NO	Item description	Make /Model	Quantity	Unit Cost (INR)	Sub total	GST amount	Total Cost (INR)
1	4MP Fixed IR Bullet Camera						
2	4MP Motorized IR Bullet Camera with Smart IR						
3	8 Channel NVR						
4	Surveillance HDD 6TB						
5	PoE injector						
6	Camera box and other accessories						
7	Camera Installation						
	Total						

Signature with Seal of Authorized Signatory

Name :

Designation :

Date.....

Place.....