

भारत सरकार
क्षेत्रीय औषध परीक्षण प्रयोगशाला



GOVERNMENT OF INDIA
REGIONAL DRUGS TESTING LABORATORY

CENTRAL DRUGS STANDARD CONTROL ORGANISATION
(Directorate General of Health services)
Ministry of Health & Family Welfare
SECTOR-39 C, CHANDIGARH – 160036
Tel. No: -0172-2688239, Fax- No: 0172-2636316
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केन्द्रीय औषध मानक नियन्त्रण संगठन
(स्वास्थ्य सेवाओं का महानिदेशालय)
स्वास्थ्य एवं परिवार कल्याण मंत्रालय
सैक्टर-39 सी, चन्डीगढ़-160036
फोन नं: 0172-2688239, फैक्स नं: 0172-2636316

No. 3-18/2022-23/RDTL/Misc-Purchase/St/२०१५/Part-I

Dated: 15.11.2022

Tender notice

Subject: Tender Rate Enquiry for supply and installation of surveillance system in RDTL, Chandigarh.

Sealed Tender Rate Enquiries are invited for supply and installation of surveillance system (CCTV) from interested and bonafide manufacturing firm(s)/distributors, who have been rendering/undertaking the specified work in the field of Security/Surveillance System as per the specifications mentioned in Annexure A: -

S. No.	Item Name	Specification
1.	Surveillance system	As per Annexure A

- The tenders should be submitted in sealed envelope, superscribed as 'Tender Rate Enquiry for supply and installation of surveillance system in RDTL, Chandigarh' and containing the below mentioned documents.
 - One sealed envelope should be superscribed as 'Technical Bid' and contain the following items;
 - The Performa at Annexure –II and III duly filled in, along with relevant documents/information.
 - Details of offered Technical specification by the firm(s)/distributors, as mentioned heading wise in the Annexure A.
 - Acceptance of terms and conditions as at Annexure – I
 - Another sealed envelope should be superscribed with 'Financial Bid' and contain the financial quotation.
- Tender should be addressed to the Director I/c, Regional Drugs Testing Laboratory, Sector 39-C, Chandigarh and be reached in this office within 21 days from the date of publishing of this tender, i.e. within **06.12.2022 at 3:00 PM**.
- The quotations, so received will be opened on same day i.e. on **06.12.2022 at 3:30 PM** in this office.
- Quotations received after stipulated date & time will be rejected forthwith.
- The competent authority in the RDTL reserves the right to amend any of the term and conditions in the tender document or to reject any or all applications (offers) without giving any notice or assigning any reason thereof. The decision of the competent authority in this regard will be final and binding.

Director I/c

Terms and Conditions

1. The quotation/tender should be submitted in sealed covers. Open quotation/tender will be summarily rejected.
2. The quotation duly filled in as per the instruction giving herein may be submitted directly or by post to this office up to 3:00 PM on dated: **06.12.2022**.
3. The quotations, so received will be opened on same day i.e. on **06.12.2022 at 3:30 PM** in this office.
4. Tenders received after the stipulated date & time will not be accepted / considered.
5. **Vendors may inspect the site before submitting the quotation for assessments of electrical work with the required cable length.**
6. **The shortlisted firm will have to provide the minimum 3 years warranty for the overall system including the individual components as mentioned in Annexure A after the satisfactory installation and on 24x7 hours running condition.**
7. Necessary technical literature and catalogue of the model offered should be provided along with Tender document for verification of technical specification. Any other ancillary parts/equipments which are required and may be essential to run the fully functional and complete System, but not mentioned in the tender document should be incorporated and quoted. The offer given in the Tender will be deemed to include all equipments required to effectively run the system.
8. Rates quoted for the supply and installation of surveillance system (CCTV) should be inclusive of supply/ installation/freight etc. and no extra payment will be made for supply and installation of above items.
9. The tendering firm shall have to furnish the proof of PAN No., Service Tax No., Sales Tax No., etc. as per Annexure-II.
10. The vendor has to submit the quotation for bullet camera, Dome Camera and NVR from the same manufacturer for the best compatibility; otherwise the certificate of ONVIF S, G & T profile for the three components have to be provided and the same have to be traceable on the www.onvif.org website.
11. The L1 price will be calculated on the basis of aggregated price quotes for all the components in the bid due to the maximum compatibility among the components.
12. All the vendors have to quote all the items to offer a fully functional surveillance system with best compatibility among the components. Otherwise the partial bid will not be entertained.
13. No Advance payment would be made. Payment will be made only after successful installation of the systems.
14. The supply and installation of the surveillance system (CCTV) has to be made within **45 days** from the date of issue of the supply order.
15. Over-writing on the quotations must be avoided. Otherwise the quotations are likely to be rejected. The RDTL reserves the right to accept or reject any tender, without assigning/ specifying any reason (s) thereof and the decision of the competent authority in the RDTL shall be final and binding on the contractor firm.
16. Parts / materials of the supplied surveillance system (CCTV) should be in good conditions, of proper / Genuine quality and if at any stage, it is found that the item supplied is of sub-standard / inferior quality, the supplied materials will be rejected and the supplier / vendor has to return the items without claiming any cost and the supplier / vendor will be black listed for next 5 years and will be debarred to participate in any tender.

17. The competent authority of RDTL reserves the right to decrease/increase the quantity of the materials without any prior notice.
18. Any dispute arising in the matter shall be resolved through an arbitrator, nominated by the competent authority in RDTL.
19. The contract shall be subjected to Indian Laws and jurisdiction of the court located in Chandigarh.

PROFORMA (Technical bid)

S. No.	Particulars	To be filled by the Tenderer
1.	Name of the agency	
2.	Whether brief profile of the agency is enclosed	
3.	Detailed Office Address of the agency with office telephone No. e-mail address, Fax No., Mobile No. and name/designation of the contract person.	
4.	Whether registered with all concerned Govt. authorities (Register of companies, Commissioner Employees etc.)(Copies of all certificates of Registration should be attached)	
5.	PAN Number (copies to be enclosed)	
6.	TIN Number Registration No. (Copy to be enclosed)	
7.	Service Tax Registration No. (copy to be enclosed)	
8.	Whether a copy of terms and conditions- Annexure-I duly signed as token of acceptance of the' same is attached	
9.	Whether the firm is blacklisted by any Government Department or any criminal case is registered against the firm or its owner/partners anywhere in India (if no, an undertaking to this effect is attached in this regard.)	

(Signature of the authorized person)

Date:

Place:

Name:

Designation:

Seal:

Annexure-III

**FINANCIAL BID FOR SUPPLY AND INSTALLATION OF SURVEILLANCE SYSTEM (CCTV) IN RDTL SECTOR 39-C,
CHANDIGARH.**

With reference to RDTL letter No.....dated.....Regarding tender for supply and installation of surveillance system (CCTV), I/we quote the rate, inclusive of supply/installation/freight etc. As under:-

S. No	Item Name	Quantity	Total cost of the Surveillance system (CCTV)
1.	Video Recorder For CCTV System		
2.	Layer 2 Access Switch PoE (24 Port)		
3.	Layer 2 Access Switch PoE (8 Port)		
4.	Camera For CCTV System (Bullet)		
5.	Camera For CCTV System (DOME)		
6.	Surveillance Hard Drive (SATA III)		
7.	CAT 6 Cable For Indoor Use		
8.	Conduit PVC Pipe		
9.	Networking Rack 6U & 9U		
10.	RJ 45 Connector		
11.	24 Port patch panel		
12.	Camera Junction Box		
13.	Electrical work including cable and sockets		
	Taxes, if any		
	Grand Total		

IMPORTANT:

In case of discrepancy between the unit price and total price, the unit price shall prevail for computation.

Date:

Place:

(Signature of the authorized person)

Name:

Designation:

Seal:

Technical specifications of Surveillance system (CCTV):

Sr. No.	Parameter	Required Values	Quantity
1.	Video Recorder For CCTV System		1
1.	Type of Recording Device	NVR	
2.	IP Camera Support	Yes	
3.	Cascading	Yes	
4.	Audio	2-Way Audio with G.711 compression	
5.	Number of Video Input Channels	35 or more	
6.	Recording Resolution	12 MP, 8 MP, 5MP, 3MP, 2MP or higher	
7.	Supported Video Compression Technique	H.265/H.264 or better	
8.	Multiple Camera Viewing on display	Up to 20 devices or more	
9.	Search Mode	Date and Time, Camera	
10.	Throughput (Mbps)	512 or more (downlink + uplink)	
11.	Trigger Events	Motion Detection, Suspicious object, Object Counting, Recording start, Recording fail, Camera offline, Camera offline.	
12.	System Events	Manual Trigger, On Boot Alarm, Storage Alert, Disk Volume Full, Disk Fault, Scheduled Backup Fail	
13.	Adaptive Recording	Automatically Reduces the Number of Frames Captured Per Second Where There is No Motion, Thereby Saving Storage Space.	
14.	Decoding	4x 4K/ 10x 3MP/ 16x 1080P	
15.	Operating System Supported	Linux	
16.	Number of HDMI 2.0 Ports	1 or more	
17.	USB	3 Ports (1x USB 3.0, 2x USB2.0)	
18.	Processor	ARM Cortex A17 Quad-Core or better	
19.	RAM	4 Gb or better	
20.	Flash memory	2 Gb or more	
21.	Warranty	3 Years or more	
22.	Internal Hard Drive Interface	SATA III	
23.	Storage capacity of each Hard disk (TB)	10 or more each	
24.	Number of Hard Disks Supported	8 or more	
25.	Redundancy Option	RAID-0, RAID-1, RAID-5 and RAID 10 or better	
26.	Network Interface	2 Ports x Ethernet (RJ-45)	

			10/100/1000Mbps	
2.	Layer 2 Access Switch PoE (24 Port)			1
1.	Type of Switch		Smart Managed	
2.	Technology		IEEE 802.3af PoE or IEEE 802.3at PoE Plus or higher	
3.	No. of Gigabit Combo (RJ-45/SFP)		4 or higher	
4.	Switching Capacity (Gbps) (Bandwidth)		56 or higher	
5.	Throughput (MPPS) (Packet forwarding rate)		42 or higher	
6.	Number of 1G Copper Ports (IEEE 802.3af PoE or IEEE 802.3at PoE Plus or higher) (100/1000 Mbps)		24	
7.	PoE Power Budget (Watts)		375 or better	
8.	RAM (MB)		256 MB or better	
9.	Flash memory (MB)		32 MB or better	
10.	On Site OEM Warranty		3 or more	
11.	Certification		CE / FCC (All are mandatory)	
3.	Layer 2 Access Switch PoE (8 Port)			1
1.	Type of Switch		Smart Managed	
2.	Technology		IEEE 802.3af PoE or IEEE 802.3at PoE Plus or higher	
3.	No. of Gigabit Combo (RJ-45/SFP)		2 or higher	
4.	Switching Capacity (Gbps) (Bandwidth)		20 or higher	
5.	Throughput (MPPS) (Packet forwarding rate)		15 or higher	
6.	Number of 1G Copper Ports (IEEE 802.3af PoE or IEEE 802.3at PoE Plus or higher) (100/1000 Mbps)		8	
7.	PoE Power Budget (Watts)		130 or better	
8.	RAM (MB)		256 MB or better	
9.	Flash memory (MB)		32 MB or better	
10.	On Site OEM Warranty		3 or more	
11.	Certification		CE / FCC (All are mandatory)	
4.	Camera For CCTV System (Bullet)			6
1.	Image Sensor Type		CMOS, Progressive Scan, Back Illuminated Image sensor	
2.	Image Sensor Size		1/2.8"	
3.	Camera Image Sensing Capacity (Picture Mode)		5 MP (2592 x 1944 Pixel)	
4.	Supported protocols		TCP/IP, HTTP, HTTPS, DSCP, QoS, DHCP, DNS, DDNS, RTP, RTCP, RTSP, PPPOE, SMTP, NTP, TLS/SSL, FTP, ICMP, IGMP, ARP, UDP,	

		802.1x, SNMP, UPnP, Bonjour, UDP
5.	IR Illumination Range (Mtr.)	Up to 50m or better
6.	Focal Length(Mm)	2.8mm – 12mm or better
7.	Focus Range	0.3m to infinity or better
8.	Field of View (FOV)	HFOV – 106 - 32°, VFOV – 73° - 23°, DFOV – 142° - 39° or better
9.	Shutter Speed	1/100000s or better
10.	Frame Rate (fps)	30 fps or more
11.	Video Compression	H.265, H.264 or higher
12.	Adaptive Streaming	Yes
13.	Motion Recording	Yes
14.	Time Triggered	Yes
15.	Video Parameters	Snapshot, Region of Interest (ROI), BLC, Day/Night Settings
16.	Privacy Masks	8 or higher
17.	WDR (Wide Dynamic Range)	True WDR (120dB)
18.	SNR	73dB or better
19.	Image Enhancement	Rotation/ Saturation/ Contrast/ Sharpness/ Brightness/ Hue/ White Balance
20.	Video Analytics	Motion/No Motion Detection, Tamper Detection, Trip/No Trip Detection, Object Intrusion/Zone Intrusion, Audio Exception, Missing/ Suspicious Object Detection, Object Counting, Loitering Detection
21.	Bitrate	128 kbps-16Mbps or more
22.	Audio IN	1
23.	Audio OUT	1
24.	Two-way Audio	Supported
25.	Audio Compression	G.726 ,G.711
26.	Power Consumption	Approximately 7.5W or less
27.	Minimum Illumination For Capturing Color Image (L)	Color - 0.01 Lux @ F1.2 (AGC ON), Monochrome - 0 Lux or better
28.	Communication interface	10Base-T/100BaseTX Ethernet (RJ-45)
29.	Aperture	F1.6-F2.8 or higher
30.	Power Supply	12V (DC); 802.3af (PoE)
31.	Warranty (A)	3 years
32.	Lens Type	Motorized Varifocal Iris

	33.	Type Of Camera Housing	Bullet camera	
	34.	IP Camera	Yes	
	35.	Digital Noise Reduction and Image Enhancement	3D DNR	
	36.	Basic Event	Motion detection, Face detection, Scene change detection	
	37.	Certifications	BIS, CE, IP67, IK10, UL	
5.	Camera For CCTV System (DOME)			2
	1.	Image Sensor Type	CMOS, Progressive Scan, Back Illuminated Image sensor	
	2.	Image Sensor Size	1/2.8"	
	3.	Camera Image Sensing Capacity (Picture Mode)	2 MP (1920 x 1080 Pixel)	
	4.	Supported protocols	TCP/IP, HTTP, HTTPS, DSCP, QoS, DHCP, DNS, DDNS, RTP, RTCP, RTSP, PPPOE, SMTP, NTP, TLS/SSL, FTP, ICMP, IGMP, ARP, UDP, 802.1x, SNMP, UPnP, Bonjour, UDP	
	5.	IR Illumination Range (Mtr.)	Up to 50m or better	
	6.	Focal Length(Mm)	2.8 mm or better	
	7.	Focus Range	0.3m to infinity or better	
	8.	Field of View (FOV)	HFOV – 106.9°, VFOV – 56.9°, DFOV – 127.9° or better	
	9.	Shutter Speed	1/100000s or better	
	10.	Frame Rate (fps)	30 fps or more	
	11.	Video Compression	H.265, H.264 or higher	
	12.	Adaptive Streaming	Yes	
	13.	Motion Recording	Yes	
	14.	Time Triggered	Yes	
	15.	Video Parameters	Snapshot, Region of Interest (ROI), BLC, Day/Night Settings	
	16.	Privacy Masks	3 or higher	
	17.	WDR (Wide Dynamic Range)	True WDR (120dB)	
	18.	SNR	71dB or better	
	19.	Image Enhancement	Saturation/ Contrast/ Sharpness/Brightness/Auto Exposure/HVS-Forensics/ Smart IR	
	20.	Video Analytics	Motion Detection, Tamper Detection, Trip/No Trip Detection (3 Lines), Object Intrusion/Zone Intrusion (3 Zones), Audio Exception	
	21.	Bitrate	128 kbps-8Mbps or more	

	22.	Audio IN	1	
	23.	Audio OUT	1	
	24.	Two-way Audio	Supported	
	25.	Audio Compression	G.726 ,G.711 a-law and u-law	
	26.	Power Consumption	Approximately 7W or less	
	27.	Minimum Illumination For Capturing Color Image (L)	Color - 0.01 Lux @ F1.2 (AGC ON), Monochrome - 0 Lux or better	
	28.	Communication interface	10Base-T/100BaseTX Ethernet (RJ-45)	
	29.	Aperture	F1.6-F2.6 or higher	
	30.	Power Supply	12V (DC); 802.3af (PoE)	
	31.	Warranty (A)	3 years	
	32.	Lens Type	Fixed	
	33.	Type Of Camera Housing	Dome camera	
	34.	IP Camera	Yes	
	35.	Digital Noise Reduction and Image Enhancement	3D DNR	
	36.	Basic Event	Motion detection, Face detection, Scene change detection	
	37.	Certifications	BIS, CE, IP67, IK10, UL	
6.	Surveillance Hard Drive (SATA III)			3
	1.	Type	Internal	
	2.	Capacity (TB)	10 TB	
	3.	Interface	SATA 6 Gb/s	
	4.	Recording Technology	CMR	
	5.	AI Channels	32	
	6.	Drive Bays Supported	16+	
	7.	HD Cameras Supported ³	64 or higher	
	8.	Max. Sustained Transfer Rate OD (MB/s)	245MB/s or higher	
	9.	Load/Unload Cycles	600,000 or higher	
	10.	Non-recoverable Read Errors Rate, Max	1 per 10E15 or better	
	11.	Workload Rate Limit (WRL) ⁴	550	
	12.	Warranty	5 Years	
	13.	Cache (MB)	256 or better	
7.	CAT 6 Cable For Indoor Use			915 meter
	1.	Cable Category: Category 6 Unshielded::Unshielded Twisted Pair or Category 6	CAT6 U/UTP	

		Foiled::Unshielded Twisted Pair or Category 6 Shielded ::Foiled Twisted Pair		
	2.	Conductor Diameter	0.560 / 0.570 mm Nominal (23 AWG)	
	3.	Cable Jacket Material	Low Smoke zero halogen (LSZH)	
	4.	Brand	D-Link / DGLINK/ AMP	
8.	Conduit PVC Pipe			250 metre
9.	Networking Rack 6U & 9U			6U- 2 9U- 1
	1.	Type of Rack	Wall Mounted	
	2.	Depth of Rack	600mm	
	3.	Front Glass Door	Yes	
	4.	Fan	Yes	
	5.	Power Distribution units	Yes	
	6.	1U Horizontal Cable Manager	Yes	
	7.	Hardware Packet	Yes	
10.	RJ 45 Connector			100 Pcs.
11.	24 Port patch panel			1
12.	Camera Junction Box			10
13.	Electrical Work including cable and sockets			The vendor may visit the site and assess the same.