



LALIT KALA AKADEMI
(National Academy of Arts under Ministry of Culture, Govt of India)
35, Ferozeshah Road, Rabindra Bhawan, New Delhi-110001
Telephone- +91 011 2300 9230, E-mail: admn@lalitkala.gov.in
Website: lalitkala.gov.in



LK/3054/HK/22-23

Dated 09-11-2022

Tender Notice

Lalit Kala Akademi an autonomous organization under Ministry of Culture, Government of India invites sealed item rate tender is invited from following bonafide, resourceful, reliable, experienced and reputed contractor, authorized distributor or supplier of reputed CCTV cameras and accessories in the prescribed envelope "Tender for supply, Installation, Testing & Commissioning of CCTV cameras and Accessories in its office premises at Rabindra Bhavan, Bhawalpur House, New Delhi.

Earnest Money Deposit Rs. 50,000/-

Last date of receipt 19-11-2022 upto 5 p.m.

Date of opening of Tender 22-11-2022

Tender Notice can be uploaded from www.lalitkala.gov.in also The tenders should be addressed to the Secretary, Lalit Kala Akademi, 35, Feroz Shah Road, Rabindra Bhavan, New Delhi-110001 and to the Akademi latest by 5.30 p.m. on 19-11-2022

The Akademi reserves the right to accept/reject any or all the bids without assigning any reason whatsoever.

(Ramakrishna Vedala)
Secretary I/c

Lalit Kala Akademi, New Delhi invites Tenders for supply of CCTV cameras and accessories (As per technical specification Annexure-A) for its Office at Bhawalpur House, Rabindra Bhavan, New Delhi.



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Terms and conditions (To Pre-qualify all the Bidders/OEM should satisfy the Eligibility Criteria mentioned below.)

1. Bid shall be submitted by the Original Equipment Manufacturer/Authorized distributor or supplier of reputed CCTV cameras and accessories. A copy of **OEM authorization certificate** must be submitted along with the tender.
2. Exemption of EMD will only be given to MSME/NSIC registered bidders please attached valid certificate with tender.
3. The tenderers should have a valid GST, PAN number and an Income Tax Number in its name.
4. The Lalit Kala Akademi reserves the right to select the bidder on the basis of best possible bids received. The decision of the Tender Evaluation Committee arrived shall be final and representation of any kind shall not be entertained on the above. Any attempt by any bidder to bring pressure of any kind may disqualify the bidder for the present tender and the bidder may be liable to be debarred from bidding for Lalit kala Akademi tenders in future for the period of three years.
5. Any discrepancy by bidders will not be allowed by the committee to arrive at correct (L1). The bids of such bidder will be rejected.
6. The tender should provide the name and address of the firm including name of the Bank with
a) Bank A/c No. b) PAN No. c) registration number of sales Tax/VAT/Service Tax/GST whichever is applicable.
7. Only the CCTV OEM should be active company and should have direct presence in India from last ten years (not as joint venture, partnership firms or through any other association) & manufacturing in India since last Five years (not as joint venture, partnership firms or through any other association) and Foreign CCTV OEM should have manufacturing unit globally from last 10 Years at the time of bidding. Documentary evidence should be submitted.
8. The camera OEM Should be a genuine manufacturer and should be an official valid H.265 HEVC Certificate and should be listed on HEVC website at the time of submitting bid. They should be paying the licensed fee for using the genuine HVEC Compression legally. The same will be verified at the time of bidding.
9. CCTV Camera and NVR/VMS should support ONVIF. Respective model should be listed on respective device list for camera and client list for NVR/VMS on ONVIF website at the time of bidding.
10. CCTV OEM should be full member of ONVIF and same will cross check online in ONVIF website. OEM should give the declaration about full membership at the time of bidding.
11. No OEM should be banned or suspended by ONVIF within the last five years at the time of bidding.
12. OEM should have ISO 9001, 14001, 27001, 45001, ISO/IEC 27032:2012 (Cyber Security) and CMMI Level 3 Certificate.



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13. Make in India makes shall be given preference as per Order 2017-Revision vide the Department of Industrial Policy and Promotion (DIPP) Order No. P-45021/2/2017-PP(BE-II) dated 16th September,2020. OEMs under make in India must submit Undertaking and supporting documents.
14. OEM should have online dedicated CCTV support center available during working hours and a fully equipped repair and maintenance office in India. OEM document details to be submitted for the same.
15. OEM Should have their dedicated RMA facility available in India.
16. MAC address of hardware should be registered in the OEM Name.
17. The tender should quote the rate as per list of materials mentioned in **Annexure "B"** sealed the envelope with mentioned on top of the envelope "quotation for Supply, Installation, Testing & Commissioning of CCTV cameras and Accessories".
18. The bidder shall take the sole responsibility for supply and service of CCTV Cameras & Accessories", for a period of 03 months from the date of award of contract as the case may be. In case of any deviation of specification, the contract will be terminated in between.
19. Any other extra charges, if any, i.e. transportation (delivery/loading/unloading etc.) shall be paid to the bidder but will be shown separately in the bid.
20. All the materials will be received only after the inspection by the representative. Below standard materials will not be accepted and will be returned to the bidder (Vendor) at his own cost.
21. CCTV OEM should be active company and should have direct presence in India from last ten years (not as joint venture, partnership firms or through any other association)
22. Bidder and OEM shall ensure compliance to the Office Memorandum for insertion of Rule 144 (xi) in the General Finance Rules (GFR)-2017 bearing reference number F.No. 6/18/2019-PPD dated 23 July 2020, by the Public Procurement Division, Department of Expenditure, Ministry of Finance.
23. CCTV OEM should be full member of ONVIF and same will cross check online in ONVIF website. OEM should give the declaration about full membership at the time of bidding
24. CCTV OEM should have ISO 9001, 14001, 27001, 45001, ISO/IEC 27032:2012, ISO 50001:2018, ZED BEONZE (Zero DEFECT ZERO EFFECT) Certificates, H.265 HEVC and CMMI Level 3 Certificate.

Payment Terms

Payment shall be made after obtaining the satisfactory certificate from the concern departments. Account Section may deduct any taxes applicable time to time and payment shall be made through RTGS, as per the documents submitted for RTGS along with the bill.

Delivery

The delivery of the items as mentioned in purchase order must be installed within a Month after received of the supply.



Price

The rates quoted shall be valid during the currency of the Contract and the material shall be supplied at the quoted rates. No upward variation in supply of CCTV Cameras and accessories shall be entertained.

Validity

The Tender shall be valid for a period of six months from the date of opening of the tenders.

Annexure-A (Technical Specification)

32 CHANNEL NETWORK VIDEO RECORDER		
S.No	Features	Required Parameter
1	Network Video Input	32 H 4K IP camera input, corresponding channel of face recognition
2	Processor	Quad-core Embedded processor
3	Network Access Bandwidth	160Mbps
4	Video Compression	H.265+/H.265 /H.264
5	Video Output	1 CH VGA output (1920×1080@60Hz 1280×1024@60Hz) 1 CH HDMI output (3840×2160@30Hz, 1920×1080@60Hz, 1280×1024 @60Hz)
6	Video Preview Mode	32 CH preview
7	Video Bit Rate	16Kbps-16Mbps
8	Video Resolution	4K/5MP/3MP/1080P/960P/720P/D1/VGA/4CIF/DCIF/2CIF/CIF/QCIF
9	Preview Capability	1×4K, 4x4K, 6(1*4K+5*2MP), 8(1*4K+7*2MP), 9x2MP, 16x1080P, 25x720P, 32xD1
10	Image Display	1/4/6/8/9/16/25/32 image display
11	Snapshot Mode	Support timing snapshot, manual snapshot, JPEG format
12	Motion Detection	Support 396(22*18) surveyed area can be set in every screen and multi-level sensitivity adjustable
13	Privacy Mask	Support 4 zones
14	Intelligent Detection	Support Smart IPC intelligent function: Object Left/Lost, Electric Fence, Line Crossing, Humen Detection, Retrograde Detection (wrong Direction)
15	AUDIO	
16	Audio compression	G.711u
17	Audio input & output	1 CH RCA port, 1 CH RCA port, HDMI audio
18	VIDEO RECORDING AND PLAYBACK	



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19	Video Frame Rate	1-30fps
20	Record Mode	Manual/external alarm/MD/timing/intelligent analysis alarm
21	Playback Ability	Support 1CH 4K/ 4CH 4K/9CH 3MP/16 CH 1080P record sync playback
22	Playback Mode	Instant playback, Local video, local image, External file playback
23	Record Search	Time, calendar, channel search, event search, (ANR, regular video, motion detection video, alarm video, intelligent detection video)
24	Video Playback	Start, stop, normal play, back play, forward 30 seconds, backward 30 seconds, fast play (1- 256X), slow play(1-1/32X), frame play, display the hidden progress bar, backup, snapshot, full screen, roller amplification time bar precise playback
25	STORAGE AND BACKUP	
26	Storage Interface	2 SATA
27	Disk Grouping	According video channels to set HDD quantity
28	Disk Quota	According video channels to set HDD storage capacity
29	Backup Location	Local, network, IPSAN, NAS
30	Array type	Hot swappable HDD interface with Raid0, Raid1, Raid5, Raid6, Raid10
31	Backup Method	USB mobile hard disk, U disk, network backup
32	ANR	Support Smart IPC (with SD card) ANR
33	Network Protocol	IPv4,IPv6, IP filter, TCP/IP, HTTP, HTTPS, DDNS, SMTP(SSL), DHCP, PPPoE, UPnP, NTP, P2P, FTP
34	Interoperability	ONVIF Profile G, S & T Support Quoted model should be listed on onvif site. Onvif report/screenshot to be submitted.
35	Protocol port	ONVIF/RTSP/HTTP/HTTPS/RTMP port customized
36	Digital Zoom	12X
37	Zero Channel Configuration	Support
38	IPC timing	Manual/auto/timing/reconnect timing to IPC timing
39	Event Actions	Send email, audible warning (buzzer), alarm on monitor, upload to centre control room, record, snapshot, preview, PTZ linkage
40	Network Detection	Flow monitoring, Network test, Support network monitoring: network traffic, network delay packet loss test, network packet capture backup
41	User Management	User add, delete, modify, permission management,Support dual password authentication, zero passage, Auxiliary users (secondary password protection)



42	Security Mode	Authorized user name and password, HTTPS with password, RTSP Validation
43	Manage IPC	Support IPC centralized management, including IPC parameter configuration, information export and import, real-time information acquisition and upgrade
44	Network Interface	2 X RJ45 10M/100M/1000M adaptive Ethernet port
45	Alarm Input & Output	4 CH alarm input & 4CH alarm output
46	RS-485	1 port Support
47	USB Interface	2 USB2.0
48	GENERAL	
49	Power Supply	DC12V 6.25Amp
50	Power Consumption	≤25W (Without HDD)
51	Operation Temperature/ Humidity	-10°C ~ 55°C/10 % -90 %
52	Certification	CE, FCC, BIS

5 MP IP Bullet Camera

S.No	Features	Required Parameter
1	Sensor	1/2.5" Progressive Scan CMOS Sensor
2	Max resolution	5MP, 2560x1920
3	Min. illumination	0.01Lux @(F1.2,AGC ON), 0.014 Lux @(F1.4,AGC ON), 0 Lux with IR
4	Electronic Shutter	Auto, Slow Shutter, (1/1s-1/100,000s Adjustable)
5	Lens	3.6mm: 89° (Horizontal) 47° (Vertical) 105° (Diagonal)
6	IR Range	upto 30mtr
7	Camera Feature	WDR (120dB), 3D-DNR, Defog, AGC, AWB, Day & Night
8	S/N ratio	≥65db (AGC OFF)
9	Video Analytics	Video Tampering, Motion Detection, Intrusion Detection
10	Video & Audio Compression	Video: H.265 & H.264 Audio: G.711u
11	Video & Audio Bit Rate	Video: Constant bit rate, variable bit rate (32kbps-8Mbps) Audio: 64Kbps
12	Video Streams	Main Stream: 5MP@1-20fps, 4MP@1-25fps, Full Frame, 2MP@1-25fps Sub Stream: D1, VGA@1-25fps, Full Frame
13	Protocol	TCP/IP, IPv4, ICMP, HTTP, HTTPS, HTTP-Base64, HTTP-Digest, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, FTP, RTMP, IGMP, 802.1X, QoS, Multicast



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14	System Compatibility	ONVIF Profile S & G . Model number should be listed on ONVIF website for verification. CCTV OEM Should be ONVIF Full Member.
15	Privacy Mask	Support 4 area privacy mask
16	Discovery Interface	UPnP, ONVIF, Detect camera automatically and configure network settings
17	Network Port	RJ45 10M,100M network self-adjustable
18	Audio	1 Audio Input; 1 Audio Output
19	Alarm	1Ch Alarm IN, 2Ch Alarm Out
20	SD Card	Support up to 256GB
21	Operating Conditions	-40 °C ~ 70 °C Humidity 95% or less (non-condensing)
22	Ingress protection	IP66/67 Complaint
23	Product Certification	CE, FCC,BIS
24	Quoted Camera should not contain hi silicon chipset, due to security concern. Declaration to be submitted on OEM lettehead.	

5 MP IP Dome Camera

S.No	Features	Required Parameter
1	Sensor	1/2.5" Progressive Scan CMOS Sensor
2	Max resolution	5MP, 2560x1920
3	Min. illumination	0.01Lux @(F1.2,AGC ON), 0.014 Lux @(F1.4,AGC ON), 0 Lux with IR
4	Electronic Shutter	Auto, Slow Shutter, (1/1s-1/100,000s Adjustable)
5	Lens	3.6mm: 89° (Horizontal) 47° (Vertical) 105° (Diagonal)
6	IR Range	upto 30mtr
7	Camera Feature	WDR (120dB), 3D-DNR, Defog, AGC, AWB, Day & Night
8	S/N ratio	≥65db (AGC OFF)
9	Video Analytics	Video Tampering, Motion Detection, Intrusion Detection
10	Video & Audio Compression	Video: H.265 & H.264 Audio: G.711u
11	Video & Audio Bit Rate	Video: Constant bit rate, variable bit rate (32kbps-8Mbps) Audio: 64Kbps
12	Video Streams	Main Stream: 5MP@1-20fps, 4MP@1-25fps, Full Frame, 2MP@1-25fps Sub Stream: D1, VGA@1-25fps, Full Frame
13	Protocol	TCP/IP, IPv4, ICMP, HTTP, HTTPS, HTTP-Base64, HTTP-Digest, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, FTP, RTMP, IGMP, 802.1X, QoS, Multicast
14	System Compatibility	ONVIF Profile S & G . Model number should be listed on ONVIF website for verification. CCTV OEM Should be ONVIF Full Member.
15	Privacy Mask	Support 4 area privacy mask



16	Discovery Interface	UPnP, ONVIF, Detect camera automatically and configure network settings
17	Network Port	RJ45 10M,100M network self-adjustable
18	Audio	1 Audio Input; 1 Audio Output
19	Alarm	1Ch Alarm IN, 2Ch Alarm Out
20	SD Card	Support up to 256GB
21	Operating Conditions	-40 °C ~ 70 °C Humidity 95% or less (non-condensing)
22	Ingress protection	IP66/67 Complaint
23	Product Certification	CE, FCC,BIS
24	Quoted Camera should not contain hi silicon chipset, due to security concern. Declaration to be submitted on OEM letterhead.	
Network/POE Switch		
Sr.No	Parameter	PoE Switch Specification
1	PoE Port	8,16,24 10/100Mbps RJ45 ports
2	Uplink Port	1, 100M Ethernet Port 8 port , 2, 1000M Combo port with 2 SFP for 16/24 Port switch
3	Network Protocol	IEEE802.3,802.3u,802.3x, 802.3af, 802.3at
4	Switching Capacity	1.8Gbps/ 7.2Gbps / 8.8Gbps
5	Max. Forwarding Rate	1.34Mpps / 5.36Mbps / 6.55Mbps
6	High Priority Ports	2 Ports / 8 Ports
7	Forwarding Mode	Store-and-forward
8	MAC Address Table	4k
9	Flow Control	IEEE802.3x full duplex
10	PoE Standard	IEEE802.3af, IEEE802.3at
11	PoE Power Budget	123W / 230W / 370W
12	Working Mode	100M Standard and 250M
13	Power Supply	As per requirement
14	Working Temperature	Temperature: 0°C-40°C
15	Working Humidity	Humidity: 10%-90% , non-condensing
16	Storage Temperature	Temperature: -40°C-70°C
17	Storage Humidity	Humidity: 5%-90% , non-condensing



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Annexure-B (list of materials)

Sno.	Items	UOM	QTY
1	SITC of 5 MP IP IR Dome Fix Camera as per annexure-A	Nos.	22
2	SITC of 5 MP IP IR Bullet Fix Camera as per annexure-A	Nos.	06
3	SITC of 32 Channel Network video Recorder as per annexure-A	Nos.	01
4	Supply, Installation, Testing and Commissioning of 8TB Enterprise/ Surveillance Grade HDD, 5800 RPM, 24X7 Operations	Nos.	02
5	Supply, Installation, Testing and Commissioning of 55" Professional/ Commercial Display, 24/7	Nos.	01
6	Supply, Installation, Testing and Commissioning of wall mounted rack as per requirement with PDU/HW, FAN & accessories as required	Nos.	02
7	Supply, Installation, Testing and Commissioning of 16 Port L2 POE switch with 4 SFP Port	Nos.	02
8	Supply & Laying of UTP CAT-6 Cable	Mtr	1220
9	Supply & Laying of PVC Conduit Pipe With Accessories	Mtr	600
10	Supply, Installation, Testing and Commissioning of RJ-45 Connectors, Cameras PVC Boxes, Mounts, Gland Etc	LOT	01
11	AMC of Existing Cameras installed in Gallery	Lot	01