



JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

www.jda.urban.rajasthan.gov.in

No. JDA/EE (Elect-III) /2025/D- 429

Dated: 23/01/2025

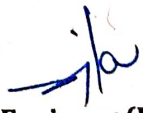
CORRIGENDUM

Corrigendum is hereby issued as below in Tender Documents of NIT : 15/2024-25 of this office:-

Name of Work :- SITC of CCTV System in remaining area in JDA Campus, Jaipur.

S. No.	Clause reference of bid documents	Existing Provision	Amended Provision
1	Point No 2 of Eligibility Criteria	The bidder/any one of JV partner shall necessarily have "A" class electrical license issued by electrical inspectorate of Govt. of Rajasthan/ Central Inspectorial Organization of Govt. of India/ Other state. The bidder should possess "A" class electrical license as stated above. After award of the contract, the bidder must have valid electrical contractor license issued by the Govt. of Rajasthan. The Bidder shall furnish an undertaking along with bid to submit "A" class electrical contractor license issued by Govt. of Rajasthan within 30 days after issued of work order. In case of not furnishing the valid electrical license issued by Govt. of Rajasthan in said time, bid security 2% and additional performance guarantee of the firm shall be forfeited.	The bidder/any one of JV partner shall necessarily have "B" class electrical license issued by electrical inspectorate of Govt. of Rajasthan/ Central Inspectorial Organization of Govt. of India/ Other state. The bidder should possess "B" class electrical license as stated above. After award of the contract, the bidder must have valid electrical contractor license issued by the Govt. of Rajasthan. The Bidder shall furnish an undertaking along with bid to submit "B" class electrical contractor license issued by Govt. of Rajasthan within 30 days after issued of work order. In case of not furnishing the valid electrical license issued by Govt. of Rajasthan in said time, bid security 2% and additional performance guarantee of the firm shall be forfeited.
2	Inserted after Annexure E of Bid	-	The Annexure 1, Annexure-2, Annexure 4 and Annexure 8 as mentioned in G schedule are attached herewith for deposit with bid after filing and seal sign by bidders.

Other terms and conditions of the bid will remain same.


Executive Engineer (Elect.-III)
JDA, Jaipur

Full HD IP Bullet Camera with IR			
S.No.	Features	Description	Compliance (Yes/No)
1	Make		
2	Model		
3	Camera Type	Bullet	
4	Standard	ONVIF Profile S Compliant	
5	Certification	BIS, FCC, RoHS and CE/UL	
6	Image Sensor	1/2.7" CMOS or better	
7	Resolution	4MP (Min.2688×1520) at 25 FPS or better	
8	Max. Mbps Constrained VBR	6	
9	Compression	H.264,H.265	
10	Streaming	Min. Triple compressed stream (Individually Configurable)	
11	Audio	Full Duplex, Audio Input/ Output 1 Ch	
12	Alarm	1 digital input, 1 Relay output	
13	Audio Compression	G.726/G.711	
14	Pre/Post Alarm buffer	Yes	
15	ID/Password	Multi-level user ID/Password	
16	Encryption	HTTP(SSL/TLS)/HTTPS	
17	Video Authentication	For video authentication,classic watermarks/digital signature must be embedded in Video Stream along with name, time, date stamped which cannot be tampered	
18	Physical Layer	10/100 base Tx Ethernet	
19	Protocol	Minimum TCP, HTTP, RTP, RTSP, SNMP, IPV4, IPv6,FTP, NTP,DHCP, RTP, SMTP, UDP, UPnP, ICMP, IGMP, SSL,QoS,802.1x, DNS, DDNS, HTTPS	
20	IP Support	Static/dynamic or both	
21	Remote Administration	Remote configuration and status using web based tool	
22	System Update	Remote system update over Network using web client	
23	PC Client	PC application client with a channel recording feature support	
24	Web Client	Viewer through HTTP(min.) System Configuration Setting / Streaming	
25	Simultaneous Connection	3 users or more	
26	Lens Type	2.7mm~13.5mm Motorized Lens or better	
27	Dynamic Noise Reduction	3D	
28	Auto Exposure	Automatic Level Control/Electronic Level Control	
29	Illumination	Color: 0.005 lux, F1.5 or better Inbuilt IR (60 mtrs. or better)	
30	Signal Process	Digital Signal Process	
31	Motion Detection Zones/ privacy zones	3 or higher	
32	Auto Gain Control	Yes	
33	Back Light Compensation	Yes	
34	Electronic Shutter	1/3s to 1/10000s or better	
35	White Balance	Yes	
36	Wide Dynamic Range	min 120 db (Sensor based)	
37	High Light Compensation	Yes	
38	Day and Night	Yes (as per minimum illumination)	
39	Operating Temperature	0 °C to 60°C Humidity 20–80% RH (non-condensing)	
40	Power Source	Suitable adaptor shall be supplied to make the equipment work on 230V +10%,50Hz and Power over Ethernet (POE 802.3 af/at)	
41	Internet protocol Support	IPv4 and IPv6	
42	Housing	Poly Carbonate/Aluminium Construction with IP-67 Including pole mount/wall mount accessories , Power and data cables Polycarbonate bird control spike	
43	Anti-Vandalism rating	IK10	
44	Edge based video content Analytics	Video motion detection and Active tampering alarm	
45	Accessories	All required accessories at site for installation of camera to be provided like Pole Mount, Corner brackets,Connector kit, screws etc.	

46	Warranty & Maintenance Support	2 Years Comprehensive onsite OEM Warranty & Maintenance support	
47	OEM Company registration	OEM company for Camera & NVR should have its own company registered in India (under Incorporation of Companies Act, 1956/ 2013) since last 10 years. Any representation through a Dealer/ Distributor/Joint Venture/Subsidiary/ consortium shall not be treated as OEM. This must be supported by necessary statutory documents.	
48	OEM service Centre	The CCTV OEM should have its office and service center in Rajasthan since last five years. Required sales, service tax number/ certificate to be provided along with the bid.	
49	Certification	The CCTV OEM should have CMMI Level 5 or above or equivalent certification.	
50	Certification	The CCTV OEM should have ISO 9001, ISO 14001, ISO 27001, ISO 45001. The Bidder/s shall attach the copy of the OEM's ISO Certificate along with the bid.	
51	OEM Presence	CCTV OEM should have Manufacturing in India since last 5 years(Documentary Evidence should be submitted	
52	OEM declaration of ONVIF	Quoted CCTV OEM or its Parent company should be full member of ONVIF and same will cross check online in ONVIF website. OEM should give the declaration about full membership.	
53	RTPP Act & Rules	OEM should comply the Rule 13 of the Rajasthan Transparency in Public (RTPP) Rules, 2013 and Government of Rajasthan Notification No. F.2(1) FD/G&T- SPFC/2017 dated 01.01.2021,15.01.2021 and 30.03.2021 regarding prior registration with Industries department for bidders with beneficial ownership from countries sharing land border with India, for participation in any public procurement in the State. Documents proof should submit along with Bid.	
54	OEM MAF and technical specification Compliance	Bidder need to submit the MAF and Technical compliance on OEM letter head with seal and sign with its technical bid	

Video Management software with Hardware			
S.No	Requirement	Management Operations: The server manages the devices and the user accounts for an entire organization. Operators can assign different camera ranges, active use periods, and business roles for each user. The server also supports different schemes for various events, including video analytics, to record and view all event history information.	Compliance (Yes/No)
	Make		
	Model		
1	System Overview	Auto-register (for 3G, 4G, Dynamic IP Address)	
2	Functions	Manage IP devices	
		Modify device IP address and password	
		Bind cameras for alarm configuration and POS transactions	
		Role and User Management :Manage user permissions and roles for devices and control ,Assign user to defined roles, Assign appropriate permissions to specific users, Restrict user access by expiration dates,• Set user PTZ permissions, Lock users, Supports import domain user and assign roles to the user	
		Event Management: Set alarm type, device, video channel, alarm input, video analytics alarm, thermal, vehicle, blacklist, face arming, Set alarm scheme: all day, weekday, weekend, or custom template, Set alarm priority: Low, Medium, High, Link recordings, snapshots, live video, alarm output, PTZ actions, or e-mail	
3	System Features	Storage	
		• Set edge storage and central storage	
		• Extend central storage via iSCSI/ SAS	
		• Create recording plan by time template: all day template, weekday template, weekend template, and custom template	
		• Backup video from edge storage devices (NAS, NVR, DVR, etc.) by schedule	
		• Allocate disks and cameras to different groups to main disk quotas	
		Map: Use Google online or offline maps, or raster maps, supports 2-level sub-map or higher, Configure camera, alarm input, and intelligent channel, and sub-map hot spots	
		VideoWall: Display/Hide the screen ID, supports screen combinations, Bind the decode channel with the corresponding screen	
		Face Database	
		• Manage face libraries	
		• Add faces one by one or import faces in batches to the library	
		• Send face library to a facial recognition device and configure similarities	
		Vehicle Blacklist: Manage vehicle blacklists • Arm and disarm vehicle blacklists • Import and export vehicle blacklists	
		Backup and Restore	
		• Automatically backup system database (daily, weekly, monthly)	
		• Manually backup system database	
		• Restore system database from a server or a local file	
		System Dashboard	
		• View overview and detailed system information	
		• Check CPU, storage, and bandwidth running status	
		• View device health report for service, device, and user online information	
4	System Maintenance	• View event information statistics: total and processed events	
		• View video and alarm channel source information	
		Logs	
		• View system, administrator, and client logs	
		System Dashboard	
		• View overview and detailed system information	
		• Check CPU, storage, and bandwidth running status	

		• View device health report for service, device, and user online information	
		• Supports HTTPS	
		• View video and alarm channel source information	
		Logs	
		• View system, administrator, and client logs	
		• Search and export logs	
		Service Management	
		• Supports HTTPS	
		• Set device time calibration	
		• Set log, alarm information, POS data, and Heat Map storage time	
		Service Management	
		Personnel Management	
		• Enable/Disable the slaver server	
		Personnel Management	
		• Add, edit, and delete personnel and departments	
		• Program card or fingerprint via USB or other readers	
		• Authorize access by door or by door group	
		• Set private passwords and face authentication	
		• Manage guest, VIP, and employee access	
		Access Control	
		• Monitor door status and events	
		• Set door groups and door levels	
		• Manage access rights	
		• Use one key to lock/unlock doors	
		• Link to fire control system	
		• Set advanced door rules (pass back, first card unlock, for example)	
		Attendance	
		• Set access control devices as attendance stations	
		• Manage attendance time periods	
		• Manage and arrange shift time periods	
		• Generate attendance reports, including attendance record, abnormality, card-swipe	
		Flow Analysis	
		• Generate daily, weekly, monthly, and yearly people counting reports	
		• Generate heatmaps	
		• Export people counting and heatmap data	
		• Generate dwell time reports	
		Object Detection	
		• Take real-time snapshots and record information about human, and vehicles.	
		• Extract attributes from snapshots	
		• Search targets in database by criteria searching	
		• Generate daily, weekly, or monthly attribute reports	
		Thermal	
		• Supports monocular and binocular thermal imaging devices	
		• Reads temperature values from video frame	
		• Acquire timed heatmap	
		• Supports linear analysis, temperature curve on heatmap.	
		• Save, import, and analyse heatmap	
		Vehicle Entry	
		• Edit parking lot information, including total and available spaces and	
		• Manage vehicles, owners, and cards	
		• Search historical pass records and export data	
		• Generate daily, weekly, monthly, and annual vehicle entry statistics	
		VMS Client	
		VMS Client shall include, as a minimum, the following	

5	Live View	• Display device tree; show/hide offline devices.	
		• Display device IP address or device name on the device tree	
		• View real-time video	
		• Apply a common layout (1, 4, 6, 8, 9, 13, 16, 20, 25, 36, 64) or a customized layout	
		• Control PTZ cameras	
		• Electric focus	
		• Set manual recording (PC or central storage)	
		• Take Snapshots	
		• Perform instant playback and digital zoom	
		• Apply Fisheye dewarping	
		• Control smart tracking for speed dome, and panoramic cameras	
		• Audio talk	
		• Decode to a video wall	
		• Turn on/off the audio in live view	
		• Set Region of Interest: divide one window into 4 or 6 parts, one shows whole image	
		and others show details	
		• Display map in Live View and save current split as a view	
		• Switch to Playback mode	
		• Supports keyboard to control cameras in the Live View	
		• Overlay POS transaction data and set POS overlay style	
6	Playback	• Adjust the video image and the display mode (full screen or original)	
		• Playback recording from front-end devices or from central storage	
		• Apply video filters: normal, motion, alarm, video loss, video tampering	
		• Sync play	
		• Reverse playback	
		• Supports up to 64x fast play and 1/64x slow play	
		• Playback frame-by-frame	
		• Lock or mark important recording segments for central storage	
		• Supports .avi, mp4, and OEM's native format, video output	
		• Decode to a video wall	
		• Apply Fisheye dewarping	
		• Take a snapshot	
		• Switch to the Live View	
		• Apply a common layout (1, 4, 6, 8, 9, 13, 16, 20, 25, 36, 64) or a customized layout	
		• Adjust the video image and the display mode (full screen or original)	
		• View real-time and historical alarm information	
		• View detailed alarm information (live video, record and pictures from alarm source location on the map)	
		• Acknowledge alarms	
		• Arm control for alarm source	
		• Forward alarms to relevant users	
		• Manually send alarm email to a relevant user	
		• Search by alarm source, alarm time, status, handle user, and priority	
		• Search alarm events and export the alarm list	
		• Manually/ Automatically decode real-time video to a video wall	
		• Manage video wall split	
		• Change the video channel stream type	
		• deliver video stream to control client	
		• Tour the video channel in one screen	
		• Set running task on the timeline for schedule plan	
		• Loop different tasks and set duration time for tour plan	
8	Video Wall	• Supports keyboard to control the video wall.	
		• View live video or playback video on the map	
		• Calculate area or length of a GIS map	
9	Map		

		• Supports visible range and initial angle (for PTZ cameras only) • Displays visible alarm trigger on the map	
10	People Counting	• Generate daily, weekly, monthly, and yearly reports • Generate a Heat Map based on the people counting statistics • Export people counting and Heat Map data	
11	Face Recognition (Should be supported)	• Automatically captures faces in the camera's field of view • Extracts face attribute information from captured face • Real-time face comparison • Registers face to face library • Search for a face via face attribute, via uploading a face image, via records Comparison • Generate the track for the specific face	
		• Generate daily, weekly, monthly attribute report based on gender and age	
	Mobile Client	VMS Mobile Client shall include, as a minimum, the following	
12	History Record	• Mobile Client Application should show recently viewed channels, open live video or playback via history recordings and saves history recordings before replacing the oldest recording	
13	Live View	• The Mobile Client application should Open more than one channel at the same time, up to 16 channels, Supports high- definition (HD), standard-definition (SD), and Fluency (FL)stream types, Supports PTZ control, Supports horizontal screen play, One-key switch to playback, Take snapshots, record locally, and talk	
14	Playback	• The Mobile Application software should Replay device recordings and centre recordings (up to 8x and as slow as 1/8x),Marks the calendar to indicate whether there is a video on a particular day, Supports snapshot, Manually record to local device, Supports 1x, 2x, 3x, 4x, 1/2x, 1/4x, and 1/8x playback speeds	
15	Alarm Centre	• Mobile Application should Subscribe to an alarm, Process alarms, View alarm video and picture, Search alarms	
16	Map	• Mobile Application should Supports Google Maps, Displays the video channel on the map,view video and perform playback	
17	Other Functions	• Mobile Application should View video from a channel and add channel as a favourite and view picture and video via a local file.	
18	MAF and Technical Specification	• Bidder need to submit the MAF and technical specification compliance on OEM letter head with seal and sign	

8F OFC Unarmoured (G652D)

						Compliance(YES/NO)
S. No	CHARACTERISTICS		UOM	TYPE of Fibre G652 D		
				IN FIBRE		
1	ATTENUATION	@ 1310 nm	dB/km	≤ 0.34		
		@ 1383 nm		≤ 0.34		
		@ 1550 nm		≤ 0.20		
2	ZERO DISPERSION WAVELENGTH		nm	1302 to 1324		
3	CROMATIC DISPERSION	@ 1270-1340 nm	ps/nm.km	≤ 5.3		
		@ 1285-1330 nm		≤ 3.5		
		@ 1550 nm		≤ 18		
		@ 1625 nm		≤ 22		
4	ZERO DISPERSION SLOPE		ps/nm2.km	≤ 0.092		
5	CABLE CUT OFF WAVELENGTH		nm			
6	FIBRE CUT OFF WAVELENGTH		nm	≤ 1320		
7	POLARISATION MODE DISPERSION		ps/root km	≤ 0.10		
8	MODE FIELD DIAMETER at 1310 nm		um	9.2 ± 0.4		
9	MODE FIELD DIAMETER at 1550 nm		um	10.40 ± 0.5		
10	CORE-CLAD CONCENTRICITY ERROR		µm	≤ 0.5		
11	CLADDING NON CIRCULARITY		%	≤ 0.8		
12	CLADDING DIAMETER		µm	125 ± 0.70		
13	COATING DIAMETER		µm	245 ± 7		
14	FIBRE BENDING PROPERTIES			As per ITU-T G652		
PHYSICAL & DIMENSIONS PROPERTIES						
S. No	CHARACTERISTICS		VALUE			
1	FIBRE TYPE		SM G652 D			
2	NO. OF FIBRE		8F			
3	LOOSE TUBE / DUMMY		1			
4	STRENGTH MEMBERS		2 NOS. OF FRP ROD & GLASS YARN			
5	COLOR OF FIBRE		BLUE, ORANGE, GREEN, BROWN, GREY, WHITE, RED, BLACK			
6	COLOR OF LOOSE TUBE		NATURAL			
7	INNER SHEATH MATERIAL		HDPE - BLACK			
8	OUTER CABLE DIAMETER		5.80 ± 0.50 mm			
9	CABLE WEIGHT		28 ± 10 % kg/km			
10	PRINTING ON CABLE		AS PER CUSTOMER SPECIFICATIONS			
11	STANDARD LENGTH (Coils)		1.0 ± 10 % km			
12	SHORT LENGTH		± 5 % km			
MECHANICAL & ENVIRONMENTAL PROPERTIES						
S. No	CHARACTERISTICS		VALUE			
1	Max. Operating Tension		250 N			
2	Max. Installation Tension		500 N			
3	Crush Resistance		1000 N/ 10 cm			
4	Minimum Bending Radius		20 x D mm			
5	Max. Operating/ Installation Temperature		-20°C to +70°C			
CERTIFICATES						
1	OEM of OFC should have valid IAA (Infrastructure Assessment Advice) certificate of offered metal free Optical Fibre Cable. Valid certificate should submit with bid.					
2	Technical Specification Compliance & MAF on OEM letter head					

Technical specification-Media converter with SFP

S. No.	Features/Description	Compliance(Yes/No)
1	Compliant with IEEE 802.3 10Base -T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-TX, IEEE 802.3z 1000Base -FX Standards.	
2	Provide one 10/100/1000Base -T port with RJ -45 connector, one SFP Slot socket.	
3	Full-duplex and half -duplex auto-sensed	
4	Supports Auto MDI / MDI -X function	
5	Supporting the transmission of extra-long VLAN packets	
6	Supporting STP to form a redundant network	
7	Front panel Diagnostic LED Indications	
8	Access mode: 10/100/1000Mbps Gigabit Ethernet	
9	Standard: IEEE 802.3 10Base -T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base -TX, IEEE 802.3z 1000Base -FX, IEEE802.3x Flow control	
10	Wavelength: 850nm/1310nm/1550nm	
11	Transmission distance: Up to SFP module	
12	Port: One RJ45 connector, connected One SFP Socket	
13	Conversion means: Media conversion	
14	Delay<10us	
15	BER<3W	
16	MTBF: 100,000 hours	
17	LED:PWR (power supply); FX LINK/ACT (optical link/action) FDX (FX full duplex); TP /ACT (Twisted pairs link/action) TP 1000 (1000M transmission rate of twisted pairs), TP 100 (100M transmission rate of twisted pairs)	
18	Power consumption: 5W	
19	Operating Temperature: (-10~55°C)	
20	Operating humidity: 5%~90%	
21	Maintaining temperature: (-40~70°C)	
22	Maintaining humidity: 5% ~ 90% non -condensing	
23	Dimensions: 94mm *71mm * 26 mm (external power supply)	
24	OEM MAF and technical specification Compliance: Bidder need to submit the MAF and Technical compliance on OEM letter head with seal and sign with its technical bid	