

Corrigendum 2 to Tender Document dated 30.09.2021

ELCOT/EG/612/Museum/Security Gadgets-1/2021-22, due date 08.10.2021

Tender for Supply, Installation and Commissioning of Security Gadgets at Government Museum, Chennai.

The following Corrigendum No.2 to the Tender document is hereby issued.

Sl.No.	Page No	Title of the Clause	Section No	Description	Existing Clause	To Be Read As
1	40,41	9.1 CCTV System Specification	P002: Title		P002:4MP IP Bullet Camera with WDR	P002:4MP IP Bullet Camera with Fixed Lens
2	42.43	9.1 CCTV System Specification	P005: Title		P005: 2MP IP Bullet Camera with Automatic Number Plate Recognition (ANPR)	P005: 2MP Motorized IP Bullet Camera with Automatic Number Plate Recognition (ANPR)
3	50	9.1 CCTV System Specification	P015: Cat-6 UTP 4 pair FRPVC Cable	Certification	UL,ETL	UL
4	54	9.2 Fire Alarm Specification	P028: 4 LOOP Addressable Panel	Capacity	≥ 254 devices per loop	198 or higher
5	57	9.3 Public Address System Specification	P040:Controller (Power Supply)	Main power supply	AC 220-240V, 50/60Hz	AC 220-240V, 50/60Hz
				Backup power supply	AC 220-240V, 50/60Hz	24 DC Power supply
				Main power fuse	T10AH 250V	T10AH 250V
				Rated power	750W	500W or Higher
6	57	9.3 Public Address System Specification	P040:Controller (Microphone Input)	Input	-	1 Input or Higher
				Input sensitivity	-65±3dBV	-65±3dBV
				Input impedance	250Ω	250Ω
				Frequency response	90 Hz -13KHz	90 Hz -13KHz
				SNR	>50dB (with A-Weight)	>50dB (with A-Weight)
7	58	9.3 Public Address System Specification	P040:Controller (MIC/LINE INPUT)	Input	-	1 Input or higher
				Input sensitivity	-50dBV/0dBV, selectable	-50dBV/0dBV, selectable
				Input impedance	10 KΩ	10 KΩ
				Frequency response	85Hz-18KHz	85Hz-18KHz
				SNR	>77dB (with A-Weight)	>77dB (with A-Weight)
				Phantom power	DC 24V, switchable	DC 24V, switchable

Note:

It may be noted that regarding 9.1 CCTV System Specifications (P001 to P006) technical specifications are revised vide Corrigendum 2 and applicable to the clauses which contain the respective specifications in the tender document. For, rest of the other items and terms Corrigendum 1 to tender document dated 16.09.2021, remains the same.

ELCOT/EG/612/Museum/Security Gadgets-1/2021-22, due date 08.10.2021

Tender for Supply, Installation and Commissioning of Security Gadgets at Government Museum, Chennai.

Sl.No.	Page No	Title of the Clause	Section No	Description	Details
1	39, 40	9.1 CCTV System Specification	P001:4MP IP Bullet Camera with motorised zoom	Sensor	1/2.8",progressive scan, 4.0 megapixel, CMOS or better.
				Lens	2.7~13.5mm, AF automatic focusing and motorized zoom lens
				Angle of View(H)	94.0° ~ 27° or better.
				Shutter	Auto and Manual, 1/25s~1/100000 s or better.
				Minimum Illumination	Colour: 0.01 Lux (F1.4, AGC ON), 0 Lux with IR on or better.
				Day/Night	Day and Night: IR-cut filter with auto switch (ICR)
				Digital noise reduction	3D DNR
				S/N	>52dB
				IR Range	Up to 50m or higher IR range
				Defog	Digital Defog
				WDR	120dB
				Video Compression	H.265, H.264.
				Frame Rate	Main Stream:4MP (2592×1520): Max. 25 fps or better Second Stream: (1280×720P): Max. 25 fps or better Third Stream:D1 (720×576): Max. 25 fps or better
				9:16 Corridor Mode	Supported
				Image and Video Config	HLC, BLC, OSD(4), Privacy Mask(4), ROI(4), Motion Detection(4).
				VCA	Intrusion, cross line, Motion detection, Face Detection and Capture, Audio Detection, Object Left Behind, Missing Object, People Counting, Defocus , video tampering detection, scene change detection.
				General Function	Watermark, IP Address Filtering, Tampering Alarm, Alarm input, Alarm output, Access Policy, ARP Protection, RTSP Authentication, User Authentication
				Audio Compression	G.711
				Two-way audio	Supported
				Edge Storage	Micro SD, up to 128 GB or better
				Network Storage	ANR
				Network Protocols	IPv4, IPv6,IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS.
				Compatible Integration	ONVIF(Profile S, Profile G), API
				Audio I/O	Description:Audio In,Audio Out MIC Internal or External
				Alarm I/O	Description:Alarm In - Min 1 Alarm Out - Min 1
				Network	1 RJ45 10M/100M Base-TX Ethernet or better
				Power	12 V DC±25%, PoE (IEEE802.3 af),Power consumption: Max 11W or lesser.
Working Environment	-35°C ~ +60°C , Humidity:10%~95% RH (non-condensing)				
Ingress Protection	IP67				
Vandal Resistant	IK10				
Product Certifications	CE,FCC,UL,RoHS and BIS Certificates.				
OEM Certifications	ISO 9001, 14001, 27001.				
2	40,41	9.1 CCTV System Specification	P002: 4MP IP Bullet Camera with Fixed Lens	Sensor	1/2.8",progressive scan, 4.0 megapixel, CMOS or better.
				Lens	3.6mm Fixed Lens
				Angle of View(H)	89° or higher.
				Shutter	Auto and Manual, 1/25s~1/100000 s or better.
				Minimum Illumination	Colour: 0.01 Lux , 0 Lux with IR on or better.
				Day/Night	Day and Night IR-cut filter with auto switch (ICR)
				Digital noise reduction	3D DNR.
				S/N	>52dB
				IR Range	Up to 30m IR range or higher.

Sl.No.	Page No	Title of the Clause	Section No	Description	Details
				Defog	Digital Defog
				WDR	Digital WDR
				Video Compression	H.265, H.264.
				Frame Rate	Main Stream:4MP (2592×1520): Max. 25 fps or better Second Stream: (1280×720P): Max. 25 fps or better Third Stream:D1 (720×576): Max. 25 fps or better
				9:16 Corridor Mode	Supported
				Image and Video Config	HLC, BLC, OSD(4), Privacy Mask(4), ROI(4), Motion Detection(4).
				General Function	Intrusion, cross line, Motion detection, Face Detection and Capture, Audio Detection, Object Left Behind, Missing Object, People Counting, Defocus , video tampering detection, scene change detection. Watermark, IP Address Filtering, Tampering Alarm, Alarm input, Alarm output, Access Policy, ARP Protection, RTSP Authentication, User Authentication
				Network Protocols	UDP,IPv4, IPv6 UDP, DHCP, NTP, RTSP, PPPoE DDNS SMTP,802.1x, UPnP, HTTPs, Qos
				Compatible Integration	ONVIF(Profile S, Profile G), API
				Alarm I/O	Alarm In - Min 1 Alarm Out - Min 1
				Network	1 RJ45 10M/100M Base-TX Ethernet or better
				Power	12 V DC±25%, PoE (IEEE802.3 af),Power consumption: Max 9W.
				Working Environment	-35°C ~ +60°C ,Humidity:10%~95% RH (non-condensing)
				Ingress Protection	IP67
				Product Certifications	CE,FCC,UL, RoHS and BIS Certificates.
				OEM Certifications	ISO 9001, 14001, 27001.
3	41	9.1 CCTV System Specification	P003: 4MP IP Bullet Camera with Video Analytics	Sensor	1/2.8",progressive scan, 4.0 megapixel, CMOS or better.
				Lens	3.6mm Fixed Lens
				Angle of View(H)	89° or higher.
				Shutter	Auto and Manual, 1/25s~1/100000 s or better.
				Minimum Illumination	Colour: 0.01 Lux (F1.6, AGC ON), 0 Lux with IR on or better.
				Day/Night	Day and Night: IR-cut filter with auto switch (ICR)
				Digital noise reduction	3D DNR
				S/N	>52dB
				IR Range	Up to 30m IR range
				Defog	Digital Defog
				WDR	Digital WDR
				Video Compression	H.265, H.264.
				Frame Rate	Main Stream:4MP (2592×1520): Max. 25 fps or better, Second Stream: (1280×720P): Max. 25 fps or better Third Stream:D1 (720×576): Max. 25 fps or better
				9:16 Corridor Mode	Supported
				Image and Video Config	HLC, BLC, OSD(4), Privacy Mask(4), ROI(4), Motion Detection(4).
				Intelligent analytics	Intrusion, cross line, Motion detection, Face Detection and Capture, Audio Detection, Object Left Behind, Missing Object, People Counting, Defocus, Object abandoned/missing detection, region entrance / exiting / intrusion detection (human Classification), line crossing detection (human classification), video tampering detection, scene change detection, Face Recognition.
				General Function	Watermark, IP Address Filtering, Tampering Alarm, Alarm input, Alarm output, Access Policy, ARP Protection, RTSP Authentication, User Authentication
				Network Protocols	UDP,IPv4, IPv6, UDP, DHCP, NTP, RTSP, PPPoE, DDNS SMTP,802.1x, UPnP, HTTPs, Qos
				Audio	1 CH Audio Input and Audio Output MIC Internal or External
				Alarm I/O	Alarm In - Min 1 Alarm Out - Min 1
				Compatible Integration	ONVIF(Profile S, Profile G), API
				Network	1 RJ45 10M/100M Base-TX Ethernet
				Power	12 V DC±25%, PoE (IEEE802.3 af),Power consumption: Max 9W.
				Working Environment	-35°C ~ +60°C , Humidity:10%~95% RH (non-condensing)
				Ingress Protection	IP67

Sl.No.	Page No	Title of the Clause	Section No	Description	Details
				Product Certifications	CE,FCC,UL, RoHS and BIS Certificates
				OEM Certifications	ISO 9001, 14001, 27001
4	42	9.1 CCTV System Specification	P004: 4MP IP Dome Camera with Audio	Sensor	1 / 2.8" Progressive Scan CMOS Sensor or better
				Lens	2.8mm @F2.0, (fixed lens)
				Angle of View(H)	89° or higher.
				Shutter	1/25s~ 1 /100000s or better
				Minimum Illumination	0.001 lux @F1.2, AGC ON; 0 lux with IR or better
				Day/Night	IR-cut filter with auto switch (ICR)
				Digital noise reduction	3D DNR
				IR Range	Up to 30m IR range
				WDR	WDR
				Video Compression	H.265, H.264
				Resolution	4MP (2560 x1440),3MP (2304 x 1296), 1080P (1920x1080), 720P (1280x720).
				Image Settings	ROI, Saturation, Brightness,Sharpen etc. adjustable through Client Software or Web browser.
				Audio Compression	G711A / U
				Audio	MIC IN x 1(Built- in MIC)
				Network Protocols	IPv6, UDP, DHCP, NTP, RTSP, PPPoE ,DDNS SMTP,802.1x, UPnP, HTTPs, Qos
				Smart Analysis	Intrusion, cross line, Motion detection, Face Detection and Capture, Audio Detection, Object Left Behind, Missing Object, People Counting, Defocus , video tampering detection, scene change detection.
				Smart Alarm	Motion Alarm
				Network	RJ45
				Power	DC 12V (PoE power supply optional) 9W.
				Working Environment	-35°C ~ +60°C, Humidity:10%~95% RH (non-condensing)
				Ingress Protection	IP67
				Product Certifications	CE,FCC,UL, RoHS and BIS Certificates
				OEM Certifications	ISO 9001, 14001, 27001
5	42, 43	9.1 CCTV System Specification	P005: 2MP Motorized IP Bullet Camera with Automatic Number Plate Recognition (ANPR)	Sensor	1 / 2.8" Progressive Scan CMOS Sensor
				Lens	7~22mm @ F1.6, Motorized
				Angle of View(H)	89° or higher.
				Shutter	1/25s~ 1 /100000s or better
				Minimum Illumination	Color:0.002 Lux@F1.2AGC ON; 0 Lux with IR
				Day/Night	ICR
				Digital noise reduction	3D DNR
				Defog	Supported
				IR Distance	50 m or higher
				WDR	120dB
				Snapshot	Overview and cutout of plate for picture
				Video Compression	H.265, H.264
				Resolution	1080P(1920×1080) 60 fps 720P(1280×720),D1,CIF,480x240
				White List	1000 or higher
				Image Settings	ROI, Saturation, Brightness, Sharpen etc. adjustable through Client Software or Web browser
				Capture Speed Range	0~50km/h
				Intelligent Analysis	Region intrusion detection, Video tampering detection, scene change detection, Vehicle classification, line crossing detection , License Plate recognition.
				Network Protocols	UDP,IPV4,IPV6,DHCP,NTP,RTSP,PPPoE,DDNS SMTP,FTP,SNMP,802.1x,UPnP,HTTPS,Qos
				Audio	1 Ch audio input: 1 Ch audio output
				Alarm I/O	Description:Alarm In - Min 1 Alarm Out - Min 1
				Compatible Integration	ONVIF(Profile S, Profile G), API
				Network	RJ45
				Power	DC12V PoE Maximum 15 W.
				Working Environment	-35°C ~ +60°C, Humidity:10%~95% RH (non-condensing)
				Ingress Protection	IP67
				Product Certifications	CE,FCC,UL, RoHS and BIS Certificates
				OEM Certifications	ISO 9001, 14001, 27001

Sl.No.	Page No	Title of the Clause	Section No	Description	Details
6	43, 44	9.1 CCTV System Specification	P006: 32 Channel Network Video Recorder	IP Video Input	32-ch
				Two-way Audio Input	1-ch, RCA
				Network Access Bandwidth	320Mbps
				Protocols	P2P, UPnP, NTP, DHCP, PPPoE,SSL,TLS,SNMP,HTTPS
				HDMI/VGA Output	Description - HDMI/VGA Output: VGA: 1920x1080p /50Hz/60Hz, 1280x720p/50Hz/60Hz, 1024x768p /50Hz/60Hz HDMI1: 4K (3840x2160) /50Hz/60Hz, 1920x1080p /50Hz/60Hz, 1280x720p /50Hz/60Hz, 1024x768p /50Hz /60Hz
				Recording Resolution	8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF
				Audio Output	1-ch, RCA
				Synchronous Playback	16-ch
				Corridor Mode Screen	Split Screen : 4/8/9/16/32
				Decoding format	H.265, H.264
				Live view/ Playback	8MP/6MP/5MP/4MP/3MP/1080p/720p/D1/2CIF/CIF
				SATA	8 SATA interfaces
				RAID	RAID : 5 and 6 Functions Required
				Capacity	up to 8TB for each HDD
				Network Interface	2 RJ45 10M/100M/1000M self-adaptive Ethernet Interfaces or higher
				USB Interface	Front panel: 1 x USB2.0 Rear panel: 1 x USB3.0
				Alarm In	8-ch
				Alarm Out	4-ch
				Power Supply	100~240V AC. ATX Power Supply Power Consumption: ≤ 30W(without HDD)
				Working Environment	-10°C ~ + 55°C (+14°F ~ +131°F), Humidity ≤ 90% RH(non-condensing)
Product Certifications	CE,FCC,UL, RoHS and BIS Certificates				
OEM Certifications	ISO 9001, 14001, 27001				