

Corrigendum No.1 to Tender Document dated 16.09.2021
ELCOT/EG/612/Museum/Security Gadgets-1/2021-22, due date 24.09.2021
Tender for Supply, Installation and Commissioning of Security Gadgets at Government Museum, Chennai.

The following Corrigendum No.1 to the Tender document is hereby issued.

Sl. No	Page No	Title of the Clause	Section No	Existing Clause	Bidders Query / Clarification Requested	To Be Read As
1	16	4.1 Eligibility	4.1 (S.No.1) Eligibility Conditions	The Bidder should be a Company registered in India under the Companies Act 1956 / Partnership Firm / Sole Proprietorship Firm and existing for the past 3 years as on 30.06.2021.		The Bidder should be a Company registered in India under the Companies Act 1956 / Partnership Firm / Sole Proprietorship Firm and existing for the past 3 years as on 31.12.2020.
2	16	4.1 Eligibility	4.1 (S.No.2) Eligibility Conditions	OEM shall be a Company registered in India under the Companies Act 1956 and existing for the past 3 years as on 30.06.2021.		OEM shall be a Company registered in India under the Companies Act 1956 and existing for the past 3 years as on 31.12.2020.
3	16	4.1 Eligibility	4.1 (S.No.3) Eligibility Conditions	Bidder should have 3 years of existence in the business of SMCS as on 30.06.2021.	We are a proprietorship company since 2007 but recently we have got incorporated as a Private Limited firm from 2020 as sister concern with same ownership controlling 51% share. Request to accept the integrated turnover.	Bidder should have 3 years of existence in the business of SMCS as on 31.12.2020.
4	16	4.1 Eligibility	4.1 (S.No.4) Eligibility Conditions	Bidder should have an Average Annual Turnover of atleast Rs.5 (Five) Crores or above in the last three successive Audited Financial Years (2017-2018, 2018-2019 & 2019-2020).	We are a proprietorship company since 2007 but recently we have got incorporated as a Private Limited firm from 2020 as sister concern with same ownership controlling 51% share. Request to accept the integrated turnover.	Tender Clause remains unchanged.
5	16	4.1 Eligibility	4.1 (S.No.4) Eligibility Conditions	Bidder should have an Average Annual Turnover of atleast Rs.5 (Five) Crores or above in the last three successive Audited Financial Years (2017-2018, 2018-2019 & 2019-2020).	Bidder should have an Average Annual Turnover of atleast Rs.5 (Five) Crores or above in the last three successive Audited Financial Years (2018-2019, 2019-2020 & 2020-2021).	Tender Clause remains unchanged.
6	16	4.1 Eligibility	4.1 (S.No.4) Documentary proof to be submitted	Copies of the Audited Annual Reports containing the Balance sheets / Profit and Loss account for the last 3 Audited Financial years (2017-2018, 2018-2019 & 2019-2020) along with the Provisional Certificate for the year 2019-20 shall have to be submitted.	Copies of the Audited Annual Reports containing the Balance sheets / Profit and Loss account for the last 3 Audited Financial years (2018-2019, 2019-2020 & 2020-2021) along with the Provisional Certificate for the year 2020-21 shall have to be submitted.	Copies of the Audited Annual Reports containing the Balance sheets / Profit and Loss account for the last 3 Audited Financial years (2017-2018, 2018-2019 & 2019-2020).
7	16	4.1 Eligibility	4.1 (S.No.5) Eligibility Conditions	Bidder shall have executed, one Single work order for implementation of Security Systems for a value of atleast Rs.40 Lakhs or above for any Government Departments / Organizations / Public Sector Undertakings in Tamil Nadu in the last 3 years as on 30/06/2021.	To accept Private sector work experience along with the public sector experience.	Bidder shall have executed, one Single work order for implementation of Security Systems for a value of atleast Rs.40 Lakhs or above for any Government Departments / Organizations / Public Sector Undertakings in Tamil Nadu in the last 3 years as on 31.12.2020.
8	17	4.1 Eligibility	4.1 (6) Eligibility Conditions	The bidder / OEM shall have atleast one service centre in each region (North, East, South and West). The service centres may be run by the OEM or by the Franchisee or by the authorized dealers / distributors.	The bidder / OEM shall have atleast three service centres in India. The service centres may be run by the OEM or by the Franchisee or by the authorized dealers / distributors".	The bidder / OEM shall have atleast three service centres in Tamil Nadu. The service centres may be run by the OEM or by the Franchisee or by the authorized dealers / distributors".

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9	17	4.1 Eligibility	4.1 (S.No.7) Eligibility Conditions	OEM should have ISO 9001, ISO 14001, ISO 27001 and CMMI Level 5 Certificate.	OEM should have ISO 9001, ISO 14001, ISO 27001 / CMMI Level 5 Certificate" . Remove CMMI Level 5 Certificate as its favoring only to one or two OEMs. Also CMMI Level 5 mostly taken by the company who develops large software's for IP camera or Switch manufacturer this is not applicable. OEM should have ISO 9001, ISO 14001, ISO 27001, NDAA Certification (National Defense Authorization Act).	OEM should have ISO 9001, ISO 14001, ISO 27001 Certificate.
10	17	4.1 Eligibility	4.1 (S.No.8a) Documentary proof to be submitted	Letter of authorization from the OEM for the supply and support services of the proposed Security Gadgets should be submitted. Photocopy of the Evaluation Assurance Level (EAL) / UL, CE, FCC, RoHS, REACH and BIS Certificates should be submitted.	REACH certification is specific which is not available with most of the OEMs. Letter of authorization from the OEM for the supply and support services of the proposed Security Gadgets should be submitted. Photocopy of the Evaluation Assurance Level (EAL) / UL, CE, FCC, RoHS and BIS Certificates should be submitted" as per standard and available with all OEMS.	CE, FCC, UL, RoHS and BIS Certificates.
11	38	8.3 Bill of Material (BOM) for SMCS	8.3.4 Control Room Infrastructure and UPS System.	The cabling meant for CCTV shall be of CAT-6 network cable Armoured which shall be ISI certified. The cabling from Cameras to NVR has to be suitably clamped / Under Ground. The network and power cabling required for the above installation and commissioning may also be done by the bidder.	The cabling meant for CCTV shall be of CAT-6 network cable Armoured which shall be ISI / CE certified. The cabling from Cameras to NVR has to be suitably clamped / Under Ground. The network and power cabling required for the above installation and commissioning may also be done by the bidder.	The cabling meant for CCTV shall be of CAT-6 network cable Armoured which shall be ISI / CE certified. The cabling from Cameras to NVR has to be suitably clamped / Under Ground. The network and power cabling required for the above installation and commissioning may also be done by the bidder.
12	39	9.1 CCTV System Specification	P001:4MP IP Bullet Camera with motorised zoom	Description - Sensor: 1/2.3", progressive scan, 4.0 megapixel, CMOS.	Description - Sensor: 1/2.8", progressive scan, 4.0 megapixel, CMOS.	Description - Sensor: 1/2.3" to 1/2.8", progressive scan, 4.0 megapixel, CMOS.
13	39	9.1 CCTV System Specification	P001: 4MP IP Bullet Camera with motorised zoom	Description - Frame Rate: Main Stream:4MP (2592×1520): Max. 30 fps, 3MP (2048×1520): Max. 30 fps; 2MP (1920×1080): Max. 30 fps Sub Stream: 2MP (1920×1080): Max. 30 fps; Third Stream:D1 (720×576): Max. 30 fps.	Description - Frame Rate: Main Stream:4MP (2592×1520): Max. 30 fps, 3MP (2048×1520/2304x1296): Max. 30 fps; 2MP (1920×1080): Max. 30 fps Sub Stream: 720 P : Max. 30 fps; Third Stream:D1 (720×576): Max. 30 fps.	Description - Frame Rate: Main Stream:4MP (2592×1520): Max. 30 fps, 3MP (2048×1520 / 2304x1296): Max. 30 fps; 2MP (1920×1080): Max. 30 fps Sub Stream: 1280x720P: Max. 30 fps; Third Stream:D1 (720×576): Max. 30 fps.
14	39 40 41	9.1 CCTV System Specification	P001:4MP IP Bullet Camera with motorised zoom P002: 4MP IP Bullet Camera with WDR P003: 4MP IP Bullet Camera with Video Analytics	Description - 9:16 Corridor Mode Supported.	Description - 9:16 Corridor Mode Rotate Mode:0,90,180.	Tender Clause remains unchanged.

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15	39 40 41	9.1 CCTV System Specification	P001:4MP IP Bullet Camera with motorised zoom P002: 4MP IP Bullet Camera with WDR P003: 4MP IP Bullet Camera with Video Analytics	Description - Image and Video Config: HLC, BLC, OSD(8), Privacy Mask(8), ROI(8), Motion Detection(4).	Description - Image and Video Config: HLC, BLC, OSD(2 areas), Privacy Mask, ROI, Motion Detection.	Description - Image and Video Config: HLC, BLC, OSD, Privacy Mask, ROI, Motion Detection.
16	39	9.1 CCTV System Specification	P001:4MP IP Bullet Camera with motorised zoom	Description: VCA Intrusion, cross line, Motion detection, Face Detection, Audio Detection, Object Left Behind, Missing Object, People Counting, Defocus, Scene Change, video tampering detection, scene change detection, face detection, face capture, crowd density detection, heat map, human/vehicle counting, human tracking.	Description: VCA Intrusion, cross line, Motion detection, Face Detection, Audio Detection, Object Left Behind, Missing Object, People Counting, Defocus, Scene Change, video tampering detection, scene change detection, face detection, face capture, crowd density detection, heat map, human/vehicle counting, human tracking. Request to remove Human Tracking. Description: VCA Intrusion, cross line, Motion detection, Face Detection, video tampering detection, scene change detection, face detection.	Description: VCA Object / People Counting, Missing object detection, Loitering, Face detection, Perimeter intrusion detection, crowd detection, video tampering detection.
17	39	9.1 CCTV System Specification	P001:4MP IP Bullet Camera with motorised zoom	Description - Network Protocols: IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, Bonjour.	Description - Network Protocols: IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, Bonjour / Upnp.	Description - Network Protocols: IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, Bonjour/ Upnp.
18	40	9.1 CCTV System Specification	P001:4MP IP Bullet Camera with motorised zoom	Description - Audio I/O: Audio cable Input: impedance 35 kΩ; amplitude 2 V [p-p], Output: impedance 600 Ω; amplitude 2 V [p-p].	Description - Audio I/O: Input: impedance 10 kΩ; amplitude 2 V [p-p], Output: impedance 500 Ω; amplitude 2 V [p-p].	Description - Audio I/O: Audio cable Input: impedance 35 kΩ or lesser; amplitude 2 V [p-p], Output: impedance 600 Ω or lesser; amplitude 2 V [p-p].
19	40	9.1 CCTV System Specification	P002: 4MP IP Bullet Camera with WDR	Description - Sensor: 1/2.7", progressive scan, 4.0 megapixel, CMOS.	Description - Sensor: 1/2.8", progressive scan, 4.0 megapixel, CMOS.	Description - Sensor: 1/2.3" to 1/2.8", progressive scan, 4.0 megapixel, CMOS.
20	40	9.1 CCTV System Specification	P002: 4MP IP Bullet Camera with WDR	Description - Lens: 3.6mm Fixed Lens.	Description - Lens: 2.8mm / 3.6mm /4mm Fixed Lens.	Tender Clause remains unchanged.
21	40 41	9.1 CCTV System Specification	P002: 4MP IP Bullet Camera with WDR P003: 4MP IP Bullet Camera with Video Analytics	Description - Angle of View(H): 89°	Description - Angle of View(H): 97° / 89° / 81°	Description - Angle of View(H): 81° or higher.
22	40	9.1 CCTV System Specification	P002: 4MP IP Bullet Camera with WDR	Description - Frame Rate: Main Stream: 4MP (2560 x1440), Max 20fps 3MP (2304 x 1296), 2MP (1920x1080): Max. 30 fps; Sub Stream: 2MP (1920x1080): Max. 30 fps; Third Stream:D1 (720x576): Max. 30 fps.	Description - Frame Rate: Sub Stream: 720P: Max 15 fps; Third Stream:D1 (720x576): Max. 30 fps.	Description - Frame Rate: Main Stream: 4MP (2560 x1440), Max 20fps 3MP (2304 x 1296), 2MP (1920x1080): Max. 30 fps; Sub Stream: 1280x720P: Max. 15 fps; Third Stream:D1 (720x576): Max. 30 fps.

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23	41	9.1 CCTV System Specification	P003: 4MP IP Bullet Camera with Video Analytics	Description - Frame Rate: Main Stream: 4MP (2592 x1520), Max 30fps 3MP (2304 x 1296), 2MP (1920x1080): Max. 30 fps; Sub Stream: 2MP (1920x1080): Max. 30 fps; Third Stream:D1 (720x576): Max. 30 fps.	Description - Frame Rate: Sub Stream: 720P; Max. 30 fps; Third Stream:D1 (720x576): Max. 30 fps.	Description - Frame Rate: Main Stream: 4MP (2592 x1520), Max 30fps 3MP (2304 x 1296), 2MP (1920x1080): Max. 30 fps; Sub Stream: 1280x720P: Max. 15 fps; Third Stream:D1 (720x576): Max. 30 fps.
24	41	9.1 CCTV System Specification	P003: 4MP IP Bullet Camera with Video Analytics	Description - Intelligent Analytics: Object abandoned/missing detection, region entrance / exiting/ intrusion detection(human/vehicle classification), line crossing detection(human/vehicle classification), video tampering detection, scene change, Face Recognition.	Description - Intelligent Analytics: region entrance /exiting / intrusion detection (human / vehicle classification), line crossing detection (human / vehicle classification), video tampering detection, scene change, Face Recognition.	Description - Intelligent Analytics: Object / People Counting, Missing object detection, Loitering, Face detection, Perimeter intrusion detection, crowd detection, video tampering detection.
25	43	9.1 CCTV System Specification	P005: 2MP IP Bullet Camera with Automatic Number Plate Recognition (ANPR)	Description - Intelligent Analytics: Region intrusion detection, abnormal video detection, line crossing detection , License Plate recognition.	Description - Intelligent Analytics: Video tampering detection, scene change detection, License Plate recognition. Description - Intelligent Analytics: Region intrusion detection, abnormal video detection, line crossing detection.	Description - Intelligent Analytics: line crossing detection , License Plate recognition.
26	43	9.1 CCTV System Specification	P006: 32 Channel Network video recorder	Description - HDMI/VGA Output: VGA: 1920x1080p /60Hz, 1920x1080p /50Hz, 1600x1200 /60Hz, 1280x1024 /60Hz, 1280x720 /60Hz, 1024x768 /60Hz HDMI1: 4K (3840x2160) /60Hz, 4K (3840x2160) /30Hz, 1920x1080p /60Hz, 1920x1080p /50Hz, 1600x1200 /60Hz, 1280x1024 /60Hz, 1280x720 /60Hz, 1024x768 /60Hz	Description - HDMI/VGA Output: VGA: 1920x1080/ 1280x1024 /1024x768 HDMI1: 3840x2160 /1920x1080 /1280x1024 Description - HDMI/VGA Output: VGA: 1920x1080p /60Hz, 1920x1080p /50Hz, 1280x720 /60Hz, 1024x768 /60Hz HDMI1: 4K (3840x2160) /60Hz, 4K (3840x2160) /30Hz, 1920x1080p /60Hz, 1920x1080p /50Hz, 1280x720 /60Hz, 1024x768 /60Hz	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
27	43	9.1 CCTV System Specification	P006: 32 Channel Network video recorder	Description - Recording Resolution: 8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF.	Description - Recording Resolution: 8MP/6MP/5MP/4MP/3MP/1080p/720p/D1/2CIF/CIF.	Description - Recording Resolution: 8MP/6MP/5MP/4MP/3MP/1080p/720p/D1/2CIF/CIF.

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28	40 41 42 43 44	9.1 CCTV System Specification	P001: 4MP IP Bullet Camera with motorised zoom P002: 4MP IP Bullet Camera with WDR P003: 4MP IP Bullet Camera with Video Analytics P004: 4MP IP Dome Camera with Audio P005: 2MP IP Bullet Camera with Automatic Number Plate Recognition (ANPR) P006: 32 Channel Network Video Recorder	Description: Product Certifications CE,FCC,UL,RoHS, REACH and BIS Certificates	REACH certification is specific which is not available with most of the OEMs. REACH is an European regulation, Request you to remove or add equivalent Indian Certification or compliance like EPR. "Product Certifications : CE,FCC,UL,RoHS, REACH / BIS Certificates" as per standard and available with all OEMS. CE,FCC,UL,RoHS and BIS.	Description: Product Certifications CE,FCC,UL,RoHS, and BIS Certificates
29	40 41 42 43 44 46 47	9.1 CCTV System Specification	P001: 4MP IP Bullet Camera with motorised zoom P002: 4MP IP Bullet Camera with WDR P003: 4MP IP Bullet Camera with Video Analytics P004: 4MP IP Dome Camera with Audio P005: 2MP IP Bullet Camera with Automatic Number Plate Recognition (ANPR) P006: 32 Channel Network Video Recorder P008: 16 Port gigabit L2 Managed PoE Switch P009: 24 Port gigabit L2 Managed PoE Switch	Description: OEM Certifications CMMI 5, ISO 9001, 14001, 27001.	Remove CMMI Level 5 Certificate. Also CMMI Level 5 mostly taken by the company who develops large software's for IP camera or Switch manufacturer this is not applicable. ISO 9001, 14001, 27001.	Description: OEM Certifications ISO 9001, 14001, 27001.
30	42	9.1 CCTV System Specification	P004: 4MP IP Dome Camera with Audio	Description - Sensor: 1 / 2.7" Progressive Scan CMOS Sensor.	Description - Sensor: 1 / 2.8" Progressive Scan CMOS Sensor.	Description - Sensor: 1/2.3" to 1/2.8", Progressive Scan CMOS Sensor.
31	42	9.1 CCTV System Specification	P005: 2MP IP Bullet Camera with Automatic Number Plate Recognition (ANPR)	Description - Angle of View(H): 44°-17.6°	Description - Angle of View(H): 40.7°-17.6°	Tender Clause remains unchanged.
32	42	9.1 CCTV System Specification	P005: 2MP IP Bullet Camera with Automatic Number Plate Recognition (ANPR)	Description - Shutter: 1/25s~ 1/100000s	Description - Shutter: 1/25s~ 1/10000s	Tender Clause remains unchanged.

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33	42	9.1 CCTV System Specification	P005: 2MP IP Bullet Camera with Automatic Number Plate Recognition (ANPR)	Description - IR Distance: 100m	Description - IR Distance: 50m	Description - IR Distance: 50m or Better.
34	43	9.1 CCTV System Specification	P005: 2MP IP Bullet Camera with Automatic Number Plate Recognition (ANPR)	Description - Resolution: 1080P(1920×1080) 720P(1280×720),D1,CIF,480x240	Description - Resolution: 1080P(1920×1080) 720P(1280×720),D1,CIF	Description - Resolution: 1080P(1920×1080) 720P(1280×720),D1,CIF.
35	43	9.1 CCTV System Specification	P005: 2MP IP Bullet Camera with Automatic Number Plate Recognition (ANPR)	Description - White List: 10000	Request to remove this feature from camera specifications as this is specific to software.	Removed.
36	43	9.1 CCTV System Specification	P005: 2MP IP Bullet Camera with Automatic Number Plate Recognition (ANPR)	Description - Capture Speed Range: 0~50km/h	Request you to remove this feature from camera specifications as this is specific to software.	Removed.
37	44	9.1 CCTV System Specification	P008: 16 Port gigabit L2 Managed PoE Switch	Description - PoE: 10/100/1000Mbps RJ45 port support PoE+ Max 180W, Single port max 46W.	There is No device in this tender which required 46W. Consider Single Port Max 30W.	Description - PoE: 10/100/1000Mbps RJ45 port support PoE+ Max 180W, Single port max 30W or better.
38	45 47	9.1 CCTV System Specification	P008: 16 Port gigabit L2 Managed PoE Switch P009: 24 Port gigabit L2 Managed PoE Switch	Description - Link Aggregation : Support static aggregation, Support dynamic aggregation, Support IP, MAC and hybrid load balancing moods, Supports up to 32 aggregation groups.	Clarifications requested: What is the application need in this proejct related to "MAC and hybrid load balancing modes". 16 ports switch why Supports up to 32 aggregation groups required?	Description - Link Aggregation : Support static aggregation, Support dynamic aggregation, Support IP, MAC and hybrid load balancing modes, Supports for aggregation groups.
39	43	9.1 CCTV System Specification	P006: 32 Channel Network Video Recorder	Description - Live view/ Playback: 8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF.	Description - Live view/ Playback: 8MP/6MP/5MP/4MP/3MP/1080p/720p/D1/2CIF/CIF.	Description - Live view/ Playback: 8MP/6MP/5MP/4MP/3MP/1080p/720p/D1/2CIF/CIF.
40	43	9.1 CCTV System Specification	P006: 32 Channel Network Video Recorder	Description - USB Interface: Front panel: 2 x USB2.0 Rear panel: 1 x USB3.0	Description - USB Interface: Front panel: 1 x USB2.0 Rear panel: 1 x USB3.0 Description - USB Interfac Panel: 1 x USB2.0 Rear Panel: 1 x USB3.0	Description - USB Interface: Front panel: 1 x USB2.0 Rear panel: 1 x USB3.0
41	46	9.1 CCTV System Specification	P009: 24 Port gigabit L2 Managed PoE Switch	Description - PoE: 24 10/100/1000Mbps RJ45 port support PoE+ Max 250W, Single port max 46W.	There is No device in this tender which required 46W. Consider Single Port Max 30W	Description - PoE: 24 10/100/1000Mbps RJ45 port support PoE+ Max 250W, Single port max30W or better.
42	48	9.1 CCTV System Specification	P010: 12 port Light guide Interconnect Unit (LIU)	Fiber Patch Panel (12 Port) - Rack mountable Description - Standard Compliance: TSE: EN 61587-1, Equipment - Tests for IEC 60917 and IEC 60297. Climatic and Environment: EN 61587-1/4.2, IEC60068-2-1, IEC60068-2-2, IEC60068-2-30, Earth Bond: EN61587-1/6.2, RoHS.	Requested to remove this point as it is favouring to one or two OEM.	Removed.

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43	48	9.1 CCTV System Specification	P010: 12 port Light guide Interconnect Unit (LIU)	Fiber Coupler / Adaptor (Single mode) Description - Standard Compliance: Temperature Cycling (61300-2-18), Damp Heat (61300-2-19), Vibration-Mated Pair (61300-2-1), Mating Durability (61300-2-2). Fiber Pigtail: Standard Compliance: ISO/IEC 11801, EN50173 - 1, ANSI TIA/EIA 568B.	Request you to remove this point as it is favouring to one or two OEM.	Removed.
44	49	9.1 CCTV System Specification	P011: SC-LC Patch Cable	Description - Standard Compliance: GR-326-CORE, IEC 874-1, ANSI/TIA-568-C.3, ISO/IEC 11801 2nd Ed., CENELEC, EN 50173, RoHS.	Request you to remove this point as it is favouring to one or two OEM.	Removed.
45	54	9.2 Fire Alarm Specification	P028: 4 LOOP Addressable Panel P029: Multi sensor	Description - Product Certifications: UL.	Description - Product Certifications: EN54 / UL approval.	Description - Product Certifications: UL/EN54.
46	62	9.4 Control room and UPS System	P053: 20 KVA Online UPS with 5 Hours Battery backup	Description - Frequency: 40 - 70 Hz.	Description - Frequency: 45 - 65 Hz.	Description - Frequency: 50Hz + / - 10Hz.
47	63	9.4 Control room and UPS System	P053: 20 KVA Online UPS with 5 Hours Battery backup	Description - Frequency (Synchronized Range): 50 Hz +/- 1%	Description - Frequency (Synchronized Range): 50 Hz +/- 5%	Tender Clause Remains Unchanged.
48	63	9.4 Control room and UPS System	P053: 20 KVA Online UPS with 5 Hours Battery backup	Description - Overload: 110% 10 min. 150% 60 Sec. > 160% 200 m Sec.	Description - Overload: 5 min. 10 Sec. Immediate trip.	Description - Overload: 110% 10 min. 120% 5 min. >120% Immediate Trip.
49	63	9.4 Control room and UPS System	P054: 10 KVA Online UPS with 5 Hours Battery backup	Description - Frequency (Synchronized Range): 50 Hz +/- 1%	Description - Frequency (Synchronized Range): 50 Hz +/- 5%	Tender Clause Remains Unchanged.
50	64	9.4 Control room and UPS System	P054: 10 KVA Online UPS with 5 Hours Battery backup	Description - Overload: 110% 10 min. 130% 60 Sec. > 130% 1Sec.	Description - Overload: 3 min. 30 Sec. 1.5 Sec.	Description - Overload: 110% 10 min. 120% 5 min. >120% Immediate Trip.
51	64 65	9.4 Control room and UPS System	P056: Renovation of Control room	As per tender document.	Need the exact units for each specification and need to visit the site once.	Removed and need not be quoted. However, "0" value should be entered in the Price Bid (BOQ) Table P4.
52	65	9.4 Control room and UPS System	P057: Construction of new UPS room	As per tender document.	Need the exact area of the New UPS room and need to visit the site once.	Removed and need not be quoted. However, "0" value should be entered in the Price Bid (BOQ) Table P4.

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53	65	9.4 Control room and UPS System	P058: Renovation of BMS Operator living room	As per tender document.	Need the exact units for each specification and need to visit the site once.	Removed and need not be quoted. However, "0" value should be entered in the Price Bid (BOQ) Table P4.
54	65	9.4 Control room and UPS System	P059: Electrical Work at Control Room, UPS Room and BMS Operator living room	As per tender document.	Need the exact units for each specification and need to visit the site once.	Removed and need not be quoted. However, "0" value should be entered in the Price Bid (BOQ) Table P4.
55	68	9.4 Control room and UPS System	P067: 43" Display	Description - Native Resolution: 1,920 x 1,080 (FHD).	Description - Native Resolution: 3,840 x 2,160(UHD).	Tender Clause Remains Unchanged.
56	68	9.4 Control room and UPS System	P067: 43" Display	Description - Brightness: 450 cd/m2	Description - Brightness: 500 cd/m2	Tender Clause Remains Unchanged.
57	68	9.4 Control room and UPS System	P067: 43" Display	Description - Response Time 12 ms (G to G BW), 9.4 ms (WOT).	Description - Response Time: 8ms (G to G).	Tender Clause Remains Unchanged.
58	68 69	9.4 Control room and UPS System	P067: 43" Display P068: 55" Display P069: 75" Display	Description -Panel Technology: IPS.	Description -Panel Technology: IPS/SPVA.	Description -Panel Technology: IPS/SPVA.
59	68	9.4 Control room and UPS System	P067: 43" Display	Description - Connectivity: Input : HDMI (3), DP, DVI-D, Audio, USB 3.0 Output : DP (SST), Audio (Off/Fixed/Variable), External Control : RS232C In/out, RJ45 In, IR Receiver In.	Description - Connectivity: HDMI- 2, DP, DVI-D, Audio, USB 2.0 Output : HDMI, Audio External Control : RS232C In/out, RJ45 In, IR Receiver In.	Description - Connectivity: Input HDMI (2), DP, DVI-D, Audio, USB 3.0 Output : HDMI / DP, Audio External Control : RS232C In/out, RJ45 In, IR Receiver In.
60	68	9.4 Control room and UPS System	P067: 43" Display	Description - Power Consumption: Typ. / Max. : 75 W (TBD) / 95 W Smart Energy Saving : 55 W (TBD)	Remove.	Removed.
61	68 69	9.4 Control room and UPS System	P067: 43" Display P068: 55" Display	Description - Certifications: IEC 60950-1 / EN 60950-1 / UL 60950-1, FCC Class "A" / CE / KC, ErP:Yes, Energy Star 7.0	BIS Certification or Equal	Description - Certifications: 60950-1 / Energy Star 8.0 BIS Certification or Equal
62	69	9.4 Control room and UPS System	P068: 55" Display	Description - Connectivity: Input : HDMI (3), DP, DVI-D, Audio, USB 2.0 Output : DP, Audio (Off/Fixed/Variable), External Control : RS232C In/Out, RJ45 (LAN) In, IR In	Description - Connectivity: Input : HDMI (2), DP, DVI-D, Audio, USB 2.0 Output : HDMI, Audio External Control : RS232C In/Out, RJ45 In, IR Receiver In.	Description - Connectivity: Input HDMI (2), DP, DVI-D, Audio, USB 2.0 Output : DP/ HDMI, Audio External Control : RS232C In/out, RJ45 (LAN) In, IR In.

Sl. No	Page No	Title of the Clause	Section No	Existing Clause	Bidders Query / Clarification Requested	To Be Read As
63	69	9.4 Control room and UPS System	P068: 55" Display	Description - Power Consumption: Typ. / Max. : 105W (TBD) / 145W (TBD) Smart Energy Saving : 80W (TBD).	Description - Power Consumption: Max. :143 w/h Typical - 108w/h Remove.	Removed.
64	69	9.4 Control room and UPS System	P069: 75" Display	Description - Response Time 6 ms (G to G).	Description - Response Time 8 ms or higher.	Description - Response Time 8 ms or higher.
65	70	9.4 Control room and UPS System	P069: 75" Display	Description - Connectivity: Input : HDMI (2, HDCP 2.2/1.4), HDMI (1, HDCP 1.4), DP (1, HDCP 2.2/1.3), DVI-D (1, HDCP 1.4), Audio, USB 2.0 Type A (2) Output : DP, Audio (Off / Fixed / Variable) External Control : RS232C In / Out (4 Pin Phone Jack), RJ45 (LAN) In, IR In.	Description - Connectivity: Input : HDMI (2-HDCP2.2), DP, DVI-D, Audio, USB 2.0 Output : HDMI, Audio External Control : RS232C In/Out, RJ45 In, IR Receiver In.	Description - Connectivity: Input : HDMI (2) DP, DVI-D,Audio, USB 2.0 Type A (2) Output : DP/HDMI, Audio External Control : RS232C In / Out , RJ45 (LAN) In, IR In.
66	70	9.4 Control room and UPS System	P069: 75" Display	Description - Power Consumption: Typ. / Max. : 160 W / 185 W Smart Energy Saving : 112 W.	Description - Power Consumption: Max. :231 W/h Typical - 178 W/h Remove.	Removed.
67	70	9.4 Control room and UPS System	P069: 75" Display	Description - Certifications: IEC 60950-1 / EN 60950-1 / UL 60950-1, FCC Class "A" / CE / KC, ErP:Yes, Energy Star 8.0	Description - Certifications: 60950-1 / EMC-Class B Energy Star 8.0 BIS Certification or Equal.	Description - Certifications: 60950-1 / Energy Star 8.0 BIS Certification or Equal.