

CENTRALIZED CONTRACTS GROUP

NIT No.: TPCODL/CCG/24-25/1000003327

Corrigendum No. – I**Dt.: 03-09-2025****Tender Enquiry No- TPCODL/CCG/24-25/1000003327****Tender Subject – 2 years RC for SITC of CCTV across discoms****Corrigendum Summary:****A] Clause 1.3: Revised Calendar of Event shall be as follows:**

Existing Clause	Proposed Clause
Due Date of Posting Consolidated replies to all the pre-bid queries as received : 23.08.2025, 18:00 Hours	<i>Revised timeline 03.09.2025</i>
Due date and time of receipt of Bids – 01.09.2025, 17:30 Hours	<i>Revised timeline 10.09.2025, 18:00 Hours</i>

NOTE : All Other Terms & Conditions of the tender shall remain unchanged as per NIT document, GCCs and Pre-bid reply (attached annexure-I).

Approved By,

Sd/-

(Head – Centralized Contracts Group)

Annexure-I					
TP ODISHA DISCOM (TPCODL, TPNODL) SOW & Technical Specs for CCTV System at TP-Odisha					
S.No	Page No. in the Tender	Clause No:	Particulars of the query / clarification	Remarks	TPOdisha Discom's Reply
1	1G. 16 Channel Network Video Recorder (NVR)P	16. Technical Specification 16 Channel Network Video Recorder (NVR) -Point No - 21	Hard Disk 2 SATA ports, Each disk can contain up to 20 TB.	As Per RFP 180 days storage is not enough in 2 SATA" Port So kindly amened 8 SATA port of each NVR .	Tender clause may be read as " The requirement is for 180 days of backup storage. Bidders must calculate the necessary storage capacity and submit their proposals accordingly."
2	Network Bullet Camera, point No -02,	Network Bullet Camera, point No -02,	Particulars of the query / clarification	Higher resolution cameras (like 2K or 4K) capture more pixels, resulting in sharper, clearer images compared to lower resolutions like 4MP or 5MP. This is particularly important for identifying faces, license plates, and other crucial details, especially in situations where identifying individuals is critical. When zooming in on specific areas, higher resolution cameras maintain image clarity, preventing pixelation and blurriness that can occur with lower resolution cameras. This allows for a more focused and detailed examination of captured footage. Please amend 4MP or Better Camera.	Tender clause Stands
3	Network Bullet Camera, point No -03,	Network Bullet Camera, point No -03,	ROM 4GB	It's single OEM Specific specification basically thus requesting you remove this clause . Suggestion : 128MB or better is ROM followed by all OEM's.	The caluse can be read as" Network Bullet Camera, point No -03, - ROM 1GB or higher"
4	Network Bullet Camera, point No -04,	Network Bullet Camera, point No -04,	RAM 1GB	It's single OEM Specific specification basically thus requesting you remove this clause . Suggestion : 512MB or better is standard RAM followed by all OEM's.	The caluse can be read as" The RAM of network Bullet Camera should minimum 512MB or higher.
5	Network Bullet Camera, point No -05,	Network Bullet Camera, point No -05,	IVS Intrusion, tripwire, loitering detection, people gathering	As per Govt ceruculars now to on wards Guidlines of DPIIT through of meity. STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	The clause can be read as " Network Bullet Camera, point No - 05,The camera should have minimum AI capabilities which can be configured without any additional Licences as per the standards and shall support VMS integration."
9	Network Bullet Camera, point No -41,	Network Bullet Camera, point No -41,	Interoperability ONVIF G,S,T & M	Onvif Profile S,G& T is standard Onvif Profile followed by all CCTV OEM's it's genric point .	Accepted
10	Technical Specification of PTZ Camera- point No -07	Technical Specification of PTZ Camera- point No -07	Electronic Shutter 1/ 5s ~ 1 / 100,000 s	1/1 s–1/30,000 s is standard Electronic Shutter Speed followed by all OEM's.	The clause can be read as " Electronic shutter should be ranged 1/1 s–1/30,000 s to 1 / 5s ~ 1 / 100,000 s.
11	Technical Specification of PTZ Camera- point No -07	Technical Specification of PTZ Camera- point No -07	Edge Video Content Analytics Camera should have in-built Edge Based Analytics, Pedestrian Intrusion Detection, Line cross Detection, SOD-Stationaary Object Detection, Vehicle Detection, face Detection (PID/LCD/SOD/PD&VD/FD/CC/SOD)	STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards. OEM Suggestion : Please remove this Clause or IVS Through the VMS Software.	Tender clause may be tread as " Edge Video Content Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required. "
15	2D. Technical Specification of ANPR Camera, Point no -6	2D. Technical Specification of ANPR Camera, Point no -6	Lens CS mountable, fixed iris, 6mm prime lens	Requesting to modify this cluase as 10 to 50 mm for accuracy & result so kindly amened this cluase with motorized lense . For Allow the maximum Oem for Bid.	Tender clause may be read as " ANPR camera lens CS mountable, fixed iris, 5mm -50mm prime lens"

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S.No	Page No. in the Tender	Clause No:	Particulars of the query / clarification	Remarks		
1	Page No.22, Point No -2	1A. Network Dome Camera	Max. Resolution 2560[H] X 1920[V]	Higher resolution cameras (like 2K or 4K) capture more pixels, resulting in sharper, clearer images compared to lower resolutions like 4MP or 5MP. This is particularly important for identifying faces, license plates, and other crucial details, especially in situations where identifying individuals is critical. When zooming in on specific areas, higher resolution cameras maintain image clarity, preventing pixelation and blurriness that can occur with lower resolution cameras. This allows for a more focused and detailed examination of captured footage. Please amend 4MP or Better Camera.	Go through the modified specifications	
3	Page No.22, Point No -18	1A. Network Dome Camera	IVS (Perimeter Protection) Intrusion detection, Loitering detection, Line crossing detection	As per Govt circulars now to on wards Guidlines of DPIIT through of mcity. STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards. Please remove this Clause or IVS by VMS Software.	For Dome Camera IVS not required	
4	Page No.22, Point No -24	1A. Network Dome Camera	Resolution 30 fps @ 2880x1616 or better	Higher resolution cameras (like 2K or 4K) capture more pixels, resulting in sharper, clearer images compared to lower resolutions like 4MP or 5MP. This is particularly important for identifying faces, license plates, and other crucial details, especially in situations where identifying individuals is critical. When zooming in on specific areas, higher resolution cameras maintain image clarity, preventing pixelation and blurriness that can occur with lower resolution cameras. This allows for a more focused and detailed examination of captured footage. Please amend 4MP or Better Camera.	Go through the modified specifications	

12	Page No.24, Point No -17	1B. Network Bullet Camera	Smart Object Detection Abandoned object; Missing object	STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards. Please remove this Clause or IVS by VMS Software.	Edge Video Content Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
13	Page No.24, Point No -41	1B. Network Bullet Camera	Interoperability ONVIF G,S,T & M	Onvif Profile S,G& T is standard Onvif Profile followed by all OEM's.	Agree	
14	Page No.36, Point No -14	1H. 32 Channel Network Video Recorder (NVR)	Record Interval 1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec	Record Interval 1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec is standard Record Interval followed by all OEM's.	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec and 1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec , Both are acceptable	
15	Page No.37, Point No - 21	1H. 32 Channel Network Video Recorder (NVR)	Interface 4 RJ-45 Ports (10/100/1000Mbps)	2 Ethernet Port in NVR is standard Ethernet Port followed by all OEM's.	Agree	
16	Page No.37, Point No - 22	1H. 32 Channel Network Video Recorder (NVR)	Ethernet Port 4 Ethernet Ports Joint Working or 4 Independent 1000Mbps Ethernet Ports	2 Ethernet Port in NVR is standard Ethernet Port followed by all OEM's.	2 port acceptable but the ports must work Joint or independent	
17	Page No.37, Point No - 14	1I. 64 Channel Network Video Recorder (NVR)	Record Interval 1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec	Record Interval 1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec is standard Record Interval followed by all OEM's.	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec and 1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec , Both are acceptable	
18	Page No.37, Point No - 21	1I. 64 Channel Network Video Recorder (NVR)	Interface 4 RJ-45 Ports (10/100/1000Mbps)	2 Ethernet Port in NVR is standard Ethernet Port followed by all OEM's.	Agree	
19	Page No.37 , Point No-22	1I. 64 Channel Network Video Recorder (NVR)	Ethernet Port 4 Ethernet Ports Joint Working or 4 Independent 1000Mbps Ethernet Ports	2 Ethernet Port in NVR is standard Ethernet Port followed by all OEM's.	2 port acceptable but the ports must work Joint or independent	
20	Page No.48 , Point No-6	2D. Technical Specification of ANPR Camera	Lens CS mountable, fixed iris, 6mm prime lens	Requesting to modify this clause as 10 to 50 mm for accuracy & result so kindly amend this clause with motorized lens . For Allow the maximum Oem for Bid.	Agree	
21	Page No.50 , Point No-7	2E. Technical Specification of PTZ Camera	Electronic Shutter 1 / 5s ~ 1 / 100,000 s	1/1 s–1/30,000 s is standard Electronic Shutter Speed followed by all OEM's.	Both are acceptable	
22	Page No.50 , Point No-19	2E. Technical Specification of PTZ Camera	Image Setting white balance, brightness, contrast, saturation, sharpness, gamma curve, defog, 3DNR, HLM, EIS (built-in gyro sensor), scene mode (auto), exposure strategy (measurement window, metering mode), Privacy mask, Pixel calculator, Scheduled profile settings	It's single OEM Specific specification basically thus requesting you remove this clause . 3DNR,HLC,BLC,WDR,EIS ,Brightness ,Contrast,Sharpness,Gamma followed by all OEM's.	Agree, without 3DNR,HLC,BLC,WDR,EIS ,Brightness ,Contrast,Sharpness,Gamma also acceptable	
23	Page No.50 , Point No-21	2E. Technical Specification of PTZ Camera	TF card Seamless Recording to MicroSD/SDHC/SDXC card (1TB capacity supported) and recording to network-attached storage (NAS)	512GB memory card slot in a PTZ camera is used for local video storage, allowing the camera to record footage directly to the card without needing an external storage device or cloud service. This provides a convenient way to store and access recorded video, especially when network connectivity is limited or unavailable. 512GB is standard Electronic Shutter Speed followed by all OEM's.	Adhere to specification	

24	Page No.50 , Point No-29	2E. Technical Specification of PTZ Camera	Edge Video Content Analytics Intrusion detection, Loitering detection, Line crossing detection, Face detection, Unattended object detection, Missing object detection, SoC with built-in hardware deep learning accelerator, Object Detection [People, Vehicle (4-wheeled, 2-wheeled)], Attribute Extraction [People (gender, clothing colour, bag, hat), Vehicle (bike, bus, car, motorcycle, truck, colour), Re-Search Extraction, Path Extraction	STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards. Please remove this Clause or IVS by VMS Software.	Edge Video Content Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
25	Page No.50 , Point No-44	2E. Technical Specification of PTZ Camera	Compatibility ONVIF profile S , G ,T & M	Onvif Profile S,G& T is standard Onvif Profile followed by all OEM's.	Agree	
26	Page No.49 , Point No-6	2E. Technical Specification of PTZ Camera	Zoom 40 X optical Zoom, 32 X Digital Zoom, Auto Pan mode	Optical Zoom 45X and 16X Digital Zoom is standard Optical and Digital Zoom followed by all OEM's.	40 X optical Zoom, 32 X Digital Zoom and 45X and 16X Digital Zoom, both are accepted	
27	Additional Point	Critiarea	Additional Point	CCTV Camera OEM should be fulltime member of ONVIF and quoted Camera models should be listed on ONVIF official website (All the certifications & Credentials should be valid on the date of technical evaluation).	Please follow the Technical specifications	
TP ODISHA DISCOM (TPCODL, TPNODL) SOW & Technical Specs for CCTV System at TP-Odisha						
S.No	Page No. in the Tender	Clause No:	Particulars of the query / clarification	Remarks		
1	1G. 16 Channel Network Video Recorder (NVR)P	16. Technical Specification 16 Channel Network Video Recorder (NVR) -Point No - 21	Hard Disk 2 SATA ports, Each disk can contain up to 20 TB.	As Per RFP 180 days storage is not enough in 2 SATA" Port So kindly amened 8 SATA port of each NVR .	Tender clause may be read as " The requirement is for 180 days of backup storage. Bidders must calculate the necessary storage capacity and submit their proposals accordingly."	
2	Network Bullet Camera, point No -02,	Network Bullet Camera, point No -02,	Max. Resolution 2560x1920 (5MP)	Higher resolution cameras (like 2K or 4K) capture more pixels, resulting in sharper, clearer images compared to lower resolutions like 4MP or 5MP. This is particularly important for identifying faces, license plates, and other crucial details, especially in situations where identifying individuals is critical. When zooming in on specific areas, higher resolution cameras maintain image clarity, preventing pixelation and blurriness that can occur with lower resolution cameras. This allows for a more focused and detailed examination of captured footage. Please amend 4MP or Better Camera.	Tender clause Stands	
3	Network Bullet Camera, point No -03,	Network Bullet Camera, point No -03,	ROM 4GB	It's single OEM Specific specification basically thus requesting you remove this clause . Suggestion : 128MB or better is ROM followed by all OEM's.	The caluse can be read as" Network Bullet Camera, point No -03, - ROM 1GB or higher"	
4	Network Bullet Camera, point No -04,	Network Bullet Camera, point No -04,	RAM 1GB	It's single OEM Specific specification basically thus requesting you remove this clause . Suggestion : 512MB or better is standard RAM followed by all OEM's.	The caluse can be read as" The RAM of network Bullet Camera should minimum 512MB or higher.	

5	Network Bullet Camera, point No -05,	Network Bullet Camera, point No -05,	IVS Intrusion, tripwire, loitering detection, people gathering	As per Govt cerulariars now to on wards Guidlines of DPIIT through of meity. STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	The clause can be read as " Network Bullet Camera, point No -05,The camera should have minimum AI capabilities which can be configured without any additional Licences as per the standards and shall support VMS integration."	
6	Network Bullet Camera, point No -17,	Network Bullet Camera, point No -17,	Smart Object Detection Smart abandoned object; smart missing object	As per Govt cerulariars now to on wards Guidlines of DPIIT through of meity. STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	The clause can be read as " Network Bullet Camera, point No -17,The camera should have minimum AI capabilities which can be configured without any additional Licences as per the standards and shall support VMS integration."	
7	Network Bullet Camera, point No -19,	Network Bullet Camera, point No -19,	Video Metadata Object Detection: People, Vehicle (4-wheeled, 2-wheeled); Attribute Extraction: People (gender, clothing color, bag, hat), Vehicle (bike, bus, car, motorcycle, truck, color); Re-Search Extraction; Path Extraction, Smart Motion Detection, Smart VCA (Intrusion detection, Loitering detection, Line crossing detection, Unattended object detection, Missing object detection, Face detection, Crowd detection.	STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	The clause can be read as " Network Bullet Camera, point No -19,The camera should have minimum AI capabilities which can be configured without any additional Licences as per the standards and shall support VMS integration."	
8	Network Bullet Camera, point No -26,	Network Bullet Camera, point No -26,	Video Bit Rate. H.264: 32 kbps-16384 kbps; H.265: 12 kbps-11776 kbps.	OEM Suggestion : H.264:8 kbps-6144 kbps, H.265: 3 kbps-6144 kbps is Standard Bit rate Follow by all OEM's.	The clause can be read as " Video Bit rate should be ranged H.264:8 kbps-6144 kbps, H.265: 3 kbps-6144 kbps to H.264: 32 kbps-16384 kbps; H.265: 12 kbps-11776 kbps.	
9	Network Bullet Camera, point No -41,	Network Bullet Camera, point No -41,	Interoperability ONVIF G,S,T & M	Onvif Profile S,G& T is standard Onvif Profile followed by all CCTV OEM's it's geenric point .	Accepted	
10	Technical Specification of PTZ Camera- point No -07	Technical Specification of PTZ Camera- point No -07	Electronic Shutter 1 / 5s ~ 1 / 100,000 s	1/1 s-1/30,000 s is standard Electronic Shutter Speed followed by all OEM's.	The clause can be read as " Electronic shutter should be ranged 1/1 s-1/30,000 s to 1 / 5s ~ 1 / 100,000 s.	
11	Technical Specification of PTZ Camera- point No -07	Technical Specification of PTZ Camera- point No -07	Edge Video Content Analytics Camera should have in-built Edge Based Analytics, Pedestrian Intrusion Detection, Line cross Detection, SOD-Stationary Object Detection, Vehicle Detection, face Detection (PID/LCD/SOD/PD&VD/FD/CC/SOD)	STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards. OEM Suggestion : Please remove this Clause or IVS Through the VMS Software.	Tender clause may be tread as " Edge Video Content Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alarts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required. "	
12	Technical Specification of PTZ Camera- point No -43	Technical Specification of PTZ Camera- point No -43	BNC 1 X BNC	BNC connector is used typically for analog video (CVBS, HD-CVI/TVI/AHD), while IP cameras use RJ45 (network). Please remove this Clause.	Tender clause can be removed.	
13	Technical Specification of PTZ Camera- point No -46	Technical Specification of PTZ Camera- point No -46	Compatibility ONVIF profile S, G and Q	Onvif Profile S,G& T is standard Onvif Profile followed by all OEM's.	Accepted	

14	2D. Technical Specification of ANPR Camera, Point no -2	2D. Technical Specification of ANPR Camera, Point no -2	Processor Hisilicon, specialized license plate recognition chip	Currently As per Govt normes all product should be requierd MII complinace and need manufacturing in india , So chip set is many more out of china , so please remove the cluase .	Tender clause stands	
15	2D. Technical Specification of ANPR Camera, Point no -6	2D. Technical Specification of ANPR Camera, Point no -6	Lens CS mountable, fixed iris, 6mm prime lens	Requesting to modify this cluase as 10 to 50 mm for accuracy & result so kindly amened this cluase with motorized lense . For Allow the maximum Oem for Bid.	Tender clause may be read as " ANPR camera lens CS mountable, fixed iris, 5mm -50mm prime lens"	
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S.No	Page No. in the Tender	Clause No:	Particulars of the query / clarification	Remarks		
1	Page No.22, Point No -2	1A. Network Dome Camera	Max. Resolution 2560[H] X 1920[V]	Higher resolution cameras (like 2K or 4K) capture more pixels, resulting in sharper, clearer images compared to lower resolutions like 4MP or 5MP. This is particularly important for identifying faces, license plates, and other crucial details, especially in situations where identifying individuals is critical. When zooming in on specific areas, higher resolution cameras maintain image clarity, preventing pixelation and blurriness that can occur with lower resolution cameras. This allows for a more focused and detailed examination of captured footage. Please amend 4MP or Better Camera.	Go through the modified specifications	
3	Page No.22, Point No -18	1A. Network Dome Camera	IVS (Perimeter Protection) Intrusion detection, Loitering detection, Line crossing detection	As per Govt cerculosis now to on wards Guidlines of DPIIT through of meity. STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	For Dome Camera IVS not required	
4	Page No.22, Point No -24	1A. Network Dome Camera	Resolution 30 fps @ 2880x1616 or better	Higher resolution cameras (like 2K or 4K) capture more pixels, resulting in sharper, clearer images compared to lower resolutions like 4MP or 5MP. This is particularly important for identifying faces, license plates, and other crucial details, especially in situations where identifying individuals is critical. When zooming in on specific areas, higher resolution cameras maintain image clarity, preventing pixelation and blurriness that can occur with lower resolution cameras. This allows for a more focused and detailed examination of captured footage. Please amend 4MP or Better Camera.	Go through the modified specifications	

5	Page No.22, Point No -22	1A. Network Dome Camera	Video Frame Rate Main Stream: 30fps @2880x1616, 2688x1512, 2560x1440, 1920x1080, 1600x904, 1360x768, 1280x720, 640x360(16:9) 2nd Stream: 30fps @1920x1080, 1600x904, 1360x768, 1280x720, 640x360 (16:9) 3rd Stream: 30 fps @ 1280x720, 640x360, 480x272 (16:9)	Higher resolution cameras (like 2K or 4K) capture more pixels, resulting in sharper, clearer images compared to lower resolutions like 4MP or 5MP. This is particularly important for identifying faces, license plates, and other crucial details, especially in situations where identifying individuals is critical. When zooming in on specific areas, higher resolution cameras maintain image clarity, preventing pixelation and blurriness that can occur with lower resolution cameras. This allows for a more focused and detailed examination of captured footage. Please amend Main stream: Main stream: 4MP (2688 × 1520)@1–20 fps/ (2560×1440)1-25/30fps Sub stream 1: D1@1–25/30 fps; Sub stream 2: D1@1–25/30 fps; Sub stream 3: D1@1fps	Go through the modified specifications	
6	Page No.22, Point No -26	1A. Network Dome Camera	Video Bit Rate H.264: 3 kbps–8192 kbps H.265: 3 kbps–8192 kbps	H.265: 3 kbps-6144 kbps, H.264: 8 kbps-6144 kbps is Standard Bit rate Follow by all OEM's.	Agree	
7	Page No.24, Point No -2	1B. Network Bullet Camera	Max. Resolution 2560x1920 (5MP)	Higher resolution cameras (like 2K or 4K) capture more pixels, resulting in sharper, clearer images compared to lower resolutions like 4MP or 5MP. This is particularly important for identifying faces, license plates, and other crucial details, especially in situations where identifying individuals is critical. When zooming in on specific areas, higher resolution cameras maintain image clarity, preventing pixelation and blurriness that can occur with lower resolution cameras. This allows for a more focused and detailed examination of captured footage. Please amend 4MP or Better Camera.	Adhere to specification	
8	Page No.24, Point No -3	1B. Network Bullet Camera	ROM 4 GB	It's single OEM Specific specification basically thus requesting you remove this clause . 128MB is ROM followed by all OEM's.	Adhere to specification	
9	Page No.24, Point No -4	1B. Network Bullet Camera	RAM 1 GB	It's single OEM Specific specification basically thus requesting you remove this clause . 512MB is standard RAM followed by all OEM's.	Adhere to specification	
11	Page No.24, Point No -16	1B. Network Bullet Camera	IVS Intrusion, tripwire, loitering detection, people gathering	STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
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5	Network Bullet Camera, point No -05,	Network Bullet Camera, point No -05,	IVS Intrusion, tripwire, loitering detection, people gathering	As per Govt circulars now to on wards Guidelines of DPIIT through of meity. STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards. Please remove this Clause or IVS by VMS Software.	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
6	Network Bullet Camera, point No -17,	Network Bullet Camera, point No -17,	Smart Object Detection Smart abandoned object; smart missing object	As per Govt circulars now to on wards Guidelines of DPIIT through of meity. STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards. Please remove this Clause or IVS by VMS Software.	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
7	Network Bullet Camera, point No -19,	Network Bullet Camera, point No -19,	Video Metadata Object Detection: People, Vehicle (4-wheeled, 2-wheeled); Attribute Extraction: People (gender, clothing color, bag, hat), Vehicle (bike, bus, car, motorcycle, truck, color); Re-Search Extraction; Path Extraction, Smart Motion Detection, Smart VCA (Intrusion detection, Loitering detection, Line crossing detection, Unattended object detection, Missing object detection, Face detection, Crowd detection.	STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards. Please remove this Clause or IVS by VMS Software.	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
8	Network Bullet Camera, point No -26,	Network Bullet Camera, point No -26,	Video Bit Rate. H.264: 32 kbps–16384 kbps; H.265: 12 kbps–11776 kbps.	OEM Suggestion : H.264:8 kbps–6144 kbps, H.265: 3 kbps–6144 kbps is Standard Bit rate Follow by all OEM's.	Agree	
9	Network Bullet Camera, point No -41,	Network Bullet Camera, point No -41,	Interoperability ONVIF G,S,T & M	Onvif Profile S,G& T is standard Onvif Profile followed by all CCTV OEM's it's generic point .	Agree	

10	Technical Specification of PTZ Camera- point No -07	Technical Specification of PTZ Camera- point No -07	Electronic Shutter 1 / 5s ~ 1 / 100,000 s	1/1 s–1/30,000 s is standard Electronic Shutter Speed followed by all OEM's.	Agree	
11	Technical Specification of PTZ Camera- point No -07	Technical Specification of PTZ Camera- point No -07	Edge Video Content Analytics Camera should have in-built Edge Based Analytics, Pedestrian Intrusion Detection, Line cross Detection, SOD-Stationary Object Detection, Vehicle Detection, face Detection (PID/LCD/SOD/PD&VD/FD/CC/SOD)	STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards. OEM Suggestion : Please remove this Clause or IVS Through the VMS Software.	Edge Video Content Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
12	Technical Specification of PTZ Camera- point No -43	Technical Specification of PTZ Camera- point No -43	BNC 1 X BNC	BNC connector is used typically for analog video (CVBS, HD-CVI/TVI/AHD), while IP cameras use RJ45 (network). Please remove this Clause.	Without BNC is acceptable	
13	Technical Specification of PTZ Camera- point No -46	Technical Specification of PTZ Camera- point No -46	Compatibility ONVIF profile S , G and Q	Onvif Profile S,G& T is standard Onvif Profile followed by all OEM's.	Agree	
14	2D. Technical Specification of ANPR Camera, Point no -2	2D. Technical Specification of ANPR Camera, Point no -2	Processor Hisilicon, specialized license plate recognition chip	Currently As per Govt normes all product should be requierd MII complinace and need manufacturing in india , So chip set is many more out of china , so please remove the cluase .	Agree	
15	2D. Technical Specification of ANPR Camera, Point no -6	2D. Technical Specification of ANPR Camera, Point no -6	Lens CS mountable, fixed iris, 6mm prime lens	Requesting to modify this cluase as 10 to 50 mm for accuracy & result so kindly amened this cluase with motorized lense . For Allow the maximum Oem for Bid.	Agree	
1	Page 9(Document name-	2.0 Pre- Qualification Criteria, B-Financial Pre- Qualification Requirements , 2 (Experience)	a) The bidder should have completion of cumulative orders of Rs. 6 Cr. for similar types of CCTV and surveillance system works during the last 5 years. Copy of work order to be submitted in this regard.	Requesting main clause to be amended as "a) The bidder should have completion of cumulative orders of Rs. 6 Cr. for similar types of CCTV and surveillance system works or any IT/ITES Works during the last 5 years. Copy of work order to be submitted in this regard."	Requesting main clause to be amended as "a) The bidder should have completion of cumulative orders of Rs. 6 Cr. for similar types of CCTV or surveillance system works including LAN/WAN Networking during the last 5 years. Copy of work order to be submitted in this regard.	

2	Page-1(Document name- - spec)	1. IP BULLET CAMERA IR 60 MTRS	4MP(1/3" 4 MP PS CMOS Image Sensor, Max. 4MP (2560 x 1440) @25/30 fps, and 4MP (2688 X 1520) @ 20 fbps, H.265 +/H.264+dual stream encoding, WDR(120 dB), Day / Night (ICR), 3D - DNR, ROI, AWB,AGC, BLC,HLC, 3.6mm fixed lens (2.8 mm optional) IR Range of 60 Mtrs, IP67, Poe, Mobile Software : Android and I phone supported. The device should be supported CMS software and must have STQC certification	Request : Requesting your kind attention to amend the CCTV specifications as outlined below . Kindly remove the following points, as they pertain to NVR parameters and are not relevant to the CCTV hardware specifications: - Mobile Software : Android and I phone supported. - The device should be supported CMS software and must have STQC certification Justification : The proposed changes are intended to ensure the specifications are more appropriate and justified, aiming to deliver better performance and operational efficiency. CCTV SPECIFICATION : IP BULLET CAMERA IR 60 MTRS 1. 5MP (2560 X 1920), Motorized V/F IR Bullet Camera. 2. Image Sensor: 1/2.8" Progressive Scan CMOS Sensor. 3. Focal Length : 2.7mm to 13.5mm, P-Iris 4. Triple streams (H.265 / H.265 / MJPEG) 5. Up to 60m IR or better 6. True Day Night (TDN) with automatic removable cut filter 7. True WDR, 120dB 8. Audio Communication: Bi-directional audio (2-way), 1IN/1OUT 9. ONVIF Profile S, G, T & M 10. Alarm IN x 1, Alarm OUT x 1 11. PoE & 12VDC support power supply failover 12. Built-in micro SD card slot, up to 1TB (Encrypted Storage) 13. IP67,IK10 & NEMA 4X 14. CE, FCC, UL & BIS	STQC is mandatory however rest of the suggested specification is acceptable	
3	Page-1(Document name- - spec)	2. IP DOME CAMERA IR 30 MTRS	(1/3" 4MP PS CMOS Image Sensor, Max 4 MP (2560 X 1440)@25/30fps and 4MP (2688 X 1520) @20 fps,H.265+and H.264+ dual stream encoding, WDR(120dB), Day/Night (ICR), 3D-DNR, ROI, AWB, AGC, BLC, HLC,3.6mm fixed lens (2.8mm optional), IR Range of 30 Mtrs, IP67, POE, Mobile Software : Android and I phone supported. The device should be supported CMS software and must have STQC certification	Request : Requesting your kind attention to amend the CCTV specifications as outlined below . Kindly remove the following points, as they pertain to NVR parameters and are not relevant to the CCTV hardware specifications: - Mobile Software : Android and I phone supported. - The device should be supported CMS software and must have STQC certification Justification : The proposed changes are intended to ensure the specifications are more appropriate and justified, aiming to deliver better performance and operational efficiency. CCTV SPECIFICATION : IP DOME CAMERA IR 30 MTRS 1. 5MP (2560 X 1920), Motorized V/F IR Dome Camera. 2. Image Sensor: 1/2.8" Progressive Scan CMOS Sensor. 3. Focal Length : 2.7mm to 13.5mm, P-Iris 4. Triple streams (H.265 / H.265 / MJPEG) 5. Up to 30m IR or better 6. True Day Night (TDN) with automatic removable cut filter 7. True WDR, 120dB 8. Audio Communication: Bi-directional audio (2-way), 1IN/1OUT 9. ONVIF Profile S, G, T & M 10. Alarm IN x 1, Alarm OUT x 1 11. PoE & 12VDC support power supply failover 12. Built-in micro SD card slot, up to 1TB (Encrypted Storage) 13. IP67,IK10 & NEMA 4X 14. CE, FCC, UL & BIS	STQC is mandatory however rest of the suggested specification is acceptable	

4	Page-1(Document name- - spec)	3. 8 CHANNEL NVR	Support 8 Channel IP camera input, Max 80Mbps Network Bandwidth, Smart H.265 +/H.265/Smart H.264+/ H.264 codec decoding, Up to 8MP resolution preview and playback, support 1 SATA HDDs up to 8TB , 2 USB Ports,(USB 2.0), VGA / HDMI simulations video output,maximum resolution of HDMI simultaneous video output, maximum resolution of HDMI is 1080P,support multi-brand network cameras, ONVIF version conformance, Mobile Software : CMS software should be available,	specifications as outlined below . Justification : The proposed changes are intended to ensure the specifications are more appropriate and justified, aiming to deliver better performance and operational efficiency. NVR SPECIFICATION : 12- CHANNEL NVR 1. Channels Supported: 12 channels IP input 2. Embedded OS: Linux-based 3. Storage Capacity Upto 144TB ; HDD Interface 8 X SATA @ 18TB each Hard Disk 4. RAID 0 / 1 / 5 / 10 supported 5. Network Bandwidth : 512Mbps / 512Mbps (Incoming / Outgoing) 6. Monitor Output : HDMI 2.0 X 1 (Main) 7. LAN: 2 X RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface 8. USB : 2 X USB 2.0, 1 X USB 3.0 9. Alarm IN x 2, Alarm OUT x 1 10. Factory Reset Button : Yes 11. ONVIF S 12. Certification : BIS, CE & FCC 13.CMS software should be available 14.Mobile Connection : iOS / Android 15.Supports upto 12MP Resolution 16. H.265 / H.264 / MJPEG Compression Technique 17. NVR Native Client and Local Client for connecting multiple NVRs	Refer to the original NVR requirement, suggested configuraiton is not acceptable	
5	Page-50(Document name- SLA, SOW, TS & BOM) Or Page-48(Document name- Specifications of Security Surveillance System Phase- 2_R0)	2C. Outdoor Junction Box	2C. Outdoor Junction Box	Please clarify the Mounting Rail with mounting Channels and how many U required for this JB. (If applicable)	Specification of outdoor junction box is mentioned in the RFP , However the dimension of the junction box should be 600H x 400W x 300D, 12 U rack space required.	
6	Page-22(Document name- SLA, SOW, TS & BOM)	ANNEXURE I Price Schedule for Rate contract for CCTV Installation Work at Stores and PSS	Laying of OFC, Power cable & Cat-6 Cable through the Pipe with installation attributes	Laying standard is not mentioned for Quantity for PSS is 15000 Mtr, Quantity for Store and Office location is 7760 Mtr. Please Clarify any standard procedure follow by Tata power. Is there any specific standard for OFC	The required cable should be supplied and laid as per the attached specification with RFP.	
7	Page-22(Document name- SLA, SOW, TS & BOM)	Installation, testing and commissioning of Control center as well as at Data Centre	Installation, testing and commissioning of Control center as well as at Data Centre	If there are any active and passive layout architectures, pls share	All the architecture required document can be shared with the successful bidder after successful POC of the solution.	
1	7	2.0 Pre- Qualification Criteria A 1.c	The Bidder shall be either manufacturer of critical components or shall be a manufacturer's authorised system integrator of the Security surveillance system specified in this document. In latter case, the bidder shall give backup guarantee from the OEM for support and satisfactory performance as specified in this document. Cameras and NVR should be Make in India compliant with STQC and BIS certified. - Kindly confirm if OEM & System Integrator both are allowed to bid in the tender	Yes		
2	7	2.0 Pre- Qualification Criteria A 1.d	The bidder / OEM should have implemented Security surveillance system of similar type and complexity at 5 nos. industrial, commercial (at least one power utility) sites at least in the last 7 years including integration with third party systems such as video management system, command & control, various field devices, etc. and shall be in continuous trouble-free operation for at least last 1 year. - Kindly confirm if System integrator is bidding and can submit OEM implemented similar type work for power utility	Yes, but the bidder must have experience in CCTV Works		
3	7	2.0 Pre- Qualification Criteria A 1.e	Bidder /OEM must have experience to deploy IP based CCTV Surveillance System with minimum 250 nos. IP cameras in a Server/VMS based system in a single order in last seven years. Copy of Work Order and Copy of Completion Certificate / Final Acceptance Test Certificate from the client are to be submitted. - Request to make the camera nos. to 200 IP cameras	Agree		

4	8	2.0 Pre- Qualification Criteria A 1.f	For future expansion, the surveillance system should be independent of camera make and shall support at least 10 different makes of camera. (List of Supported Camera Makes to be submitted by the bidder) and OEM declaration is required for the same. g) Bidders /OEM must have - For this we would suggest to take Open Platform VMS		Adhere to specification	
5	8	2.0 Pre- Qualification Criteria A 1.f	Bidders /OEM must have manufacturing facilities Manufacturing capacity, details of works executed. Details of plant and machinery, manufacturing and testing facilities - This clause should be applicable of OEM's		Agree, Bidders must include required OEM documentation.	
6	8	2.0 Pre- Qualification Criteria A 1.h	CCTV OEM should have direct presence in India since last 5 Years. Documentary evidence to be submitted. Bidder shall have the capability to integrate the new Security Surveillance system being offered. He must have Service centre in Bhubaneswar. The manufacturing facility must be in India since last 5 years. - Request to give relaxation on no. of years for facility in India as post STQC regulation all OEM's are setting up the manufacturing facility in India		Adhere to tender clause	
1	1G. 16 Channel Network Video Recorder (NVR)P	16. Technical Specification 16 Channel Network Video Recorder (NVR) -Point No - 21	Hard Disk 2 SATA ports, Each disk can contain up to 20 TB.	As Per RFP 180 days storage is not enough in 2 SATA" Port So kindly amended 8 SATA port of each NVR .	The requirement is for 180 days of backup storage. Bidders must calculate the necessary storage capacity and submit their proposals accordingly.	
2	Network Bullet Camera, point No 02,	Network Bullet Camera, point No 02,	Max. Resolution 2560x1920 (5MP)	Higher resolution cameras (like 2K or 4K) capture more pixels, resulting in sharper, clearer images compared to lower resolutions like 4MP or 5MP. This is particularly important for identifying faces, license plates, and other crucial details, especially in situations where identifying individuals is critical. When zooming in on specific areas, higher resolution cameras maintain image clarity, preventing pixelation and blurriness that can occur with lower resolution cameras. This allows for a more focused and detailed examination of captured footage. Please amend 4MP or Better Camera.	Adhere to specification	
3	Network Bullet Camera, point No 05,	Network Bullet Camera, point No 05,	IVS Intrusion, tripwire, loitering detection, people gathering	As per Govt cerulars now to on wards Guidlines of DPIIT through of meity. STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
4	Network Bullet Camera, point No 17,	Network Bullet Camera, point No 17,	Smart Object Detection Smart abandoned object; smart missing object	As per Govt cerulars now to on wards Guidlines of DPIIT through of meity. STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
5	Network Bullet Camera, point No 19,	Network Bullet Camera, point No 19,	Video Metadata Object Detection: People, Vehicle (4-wheeled, 2-wheeled); Attribute Extraction: People (gender, clothing color, bag, hat), Vehicle (bike, bus, car, motorcycle, truck, color); Re-Search Extraction; Path Extraction, Smart Motion Detection, Smart VCA (Intrusion detection, Loitering detection, Line crossing detection, Unattended object detection, Missing object detection, Face detection, Crowd detection.	STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
6	Technical Specification of PTZ Camera- point No -07	Technical Specification of PTZ Camera- point No -07	Electronic Shutter 1 / 5s ~ 1 / 100,000 s	1/1 s~1/30,000 s is standard Electronic Shutter Speed followed by all OEM's.	Agree	
7	Technical Specification of PTZ Camera- point No -07	Technical Specification of PTZ Camera- point No -07	Edge Video Content Analytics Camera should have in-built Edge Based Analytics, Pedestrian Intrusion Detection, Line cross Detection, SOD-Stationary Object Detection, Vehicle Detection, face Detection (PID/LCD/SOD/PD&VD/FD/CC/SOD)	STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards. OEM Suggestion : Please remove this Clause or IVS Through the VMS Software.	Edge Video Content Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	

8	Technical Specification of PTZ Camera- point No -46	Technical Specification of PTZ Camera- point No -46	Compatibility ONVIF profile S , G and Q	Onvif Profile S,G& T is standard Onvif Profile followed by all OEM's	Agree	
9	2D. Technical Specification of ANPR Camera, Point no -2	2D. Technical Specification of ANPR Camera, Point no -2	Processor Hisilicon, specialized license plate recognition chip	Currently As per Govt normes all product should be requierd Mill complinace and need manufacturing in india , So chip set is many more out of china , so please remove the cluase .	Agree	
10	2D. Technical Specification of ANPR Camera, Point no -6	2D. Technical Specification of ANPR Camera, Point no -6	Lens CS mountable, fixed iris, 6mm prime lens	Requesting to modify this cluase as 10 to 50 mm for accuracy & result so kindly amened this cluase with motorized lense . For Allow the maximum Oem for Bid.	Agree	
TP SOUTHERN ODISHA DISTRIBUTION LIMITED, BERHAMPUR , Doc. No SC-SSS-1						
S.No	Page No. in the Tender	Clause No:	Particulars of the query / clarification	Remarks		
1	Page No.22, Point No -2	1A. Network Dome Camera	Max. Resolution 2560[H] X 1920[V]	Higher resolution cameras (like 2K or 4K) capture more pixels, resulting in sharper, clearer images compared to lower resolutions like 4MP or 5MP. This is particularly important for identifying faces, license plates, and other crucial details, especially in situations where identifying individuals is critical. When zooming in on specific areas, higher resolution cameras maintain image clarity, preventing pixelation and blurriness that can occur with lower resolution cameras. This allows for a more focused and detailed examination of captured footage. Please amend 4MP or Better Camera.	Adhere to specification	
2	Page No.22, Point No -18	1A. Network Dome Camera	IVS (Perimeter Protection) Intrusion detection, Loitering detection, Line crossing detection	As per Govt cercularis now to on wards Guidlines of DPIIT through of meity. STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alarts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
3	Page No.22, Point No -24	1A. Network Dome Camera	Resolution 30 fps @ 2880x1616 or better	Higher resolution cameras (like 2K or 4K) capture more pixels, resulting in sharper, clearer images compared to lower resolutions like 4MP or 5MP. This is particularly important for identifying faces, license plates, and other crucial details, especially in situations where identifying individuals is critical. When zooming in on specific areas, higher resolution cameras maintain image clarity, preventing pixelation and blurriness that can occur with lower resolution cameras. This allows for a more focused and detailed examination of captured footage. Please amend 4MP or Better Camera.	Adhere to specification	
4	Page No.22, Point No -22	1A. Network Dome Camera	Video Frame Rate Main Stream: 30fps @2880x1616, 2688x1512, 2560x1440, 1920x1080, 1600x904, 1360x768, 1280x720, 640x360(16:9) 2nd Stream: 30fps @1920x1080, 1600x904, 1360x768, 1280x720, 640x360 (16:9) 3rd Stream: 30 fps @ 1280x720, 640x360, 480x272 (16:9)	Higher resolution cameras (like 2K or 4K) capture more pixels, resulting in sharper, clearer images compared to lower resolutions like 4MP or 5MP. This is particularly important for identifying faces, license plates, and other crucial details, especially in situations where identifying individuals is critical. When zooming in on specific areas, higher resolution cameras maintain image clarity, preventing pixelation and blurriness that can occur with lower resolution cameras. This allows for a more focused and detailed examination of captured footage. Please amend Main stream: Main stream: 4MP (2688 × 1520)@1–20 fps/ (2560×1440) 1-25/30fps Sub stream 1: D1@1–25/30 fps; Sub stream 2: D1@1–25/30 fps; Sub stream 3: D1@1fps	Accepted	
5	Page No.22, Point No -26	1A. Network Dome Camera	Video Bit Rate H.264: 3 kbps–8192 kbps H.265: 3 kbps–8192 kbps	H.265: 3 kbps-6144 kbps, H.264: 8 kbps-6144 kbps is Standard Bit rate Follow by all OEM's.	Accepted	
6	Page No.24, Point No -2	1B. Network Bullet Camera	Max. Resolution 2560x1920 (5MP)	Higher resolution cameras (like 2K or 4K) capture more pixels, resulting in sharper, clearer images compared to lower resolutions like 4MP or 5MP. This is particularly important for identifying faces, license plates, and other crucial details, especially in situations where identifying individuals is critical. When zooming in on specific areas, higher resolution cameras maintain image clarity, preventing pixelation and blurriness that can occur with lower resolution cameras. This allows for a more focused and detailed examination of captured footage. Please amend 4MP or Better Camera.	Accepted	

7	Page No.24, Point No -3	1B. Network Bullet Camera	ROM 4 GB	If's single OEM Specific specification basically thus requesting you remove this clause . 128MB is ROM followed by all OEM's.	Accepted	
8	Page No.24, Point No -4	1B. Network Bullet Camera	RAM 1 GB	If's single OEM Specific specification basically thus requesting you remove this clause . 512MB is standard RAM followed by all OEM's.	Accepted	
9	Page No.24, Point No -16	1B. Network Bullet Camera	IVS Intrusion, tripwire, loitering detection, people gathering	STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
10	Page No.24, Point No -17	1B. Network Bullet Camera	Smart Object Detection Abandoned object; Missing object	STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
11	Page No.24, Point No -41	1B. Network Bullet Camera	Interoperability ONVIF G,S,T & M	Onvif Profile S,G& T is standard Onvif Profile followed by all OEM's	Agree	
12	Page No.36, Point No -14	1H. 32 Channel Network Video Recorder (NVR)	Record Interval 1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec	Record Interval 1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec is standard Record Interval followed by all OEM's.	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec and 1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec , Both are acceptable	
13	Page No.37, Point No - 21	1H. 32 Channel Network Video Recorder (NVR)	Interface 4 RJ-45 Ports (10/100/1000Mbps)	2 Ethernet Port in NVR is standard Ethernet Port followed by all OEM's.	Agree	
14	Page No.37, Point No - 22	1H. 32 Channel Network Video Recorder (NVR)	Ethernet Port 4 Ethernet Ports Joint Working or 4 Independent 1000Mbps Ethernet Ports	2 Ethernet Port in NVR is standard Ethernet Port followed by all OEM's.	2 port acceptable but the ports must work Joint or independent	
15	Page No.37, Point No - 14	1I. 64 Channel Network Video Recorder (NVR)	Record Interval 1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec	Record Interval 1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec is standard Record Interval followed by all OEM's.	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec and 1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec , Both are acceptable	
16	Page No.37, Point No - 21	1I. 64 Channel Network Video Recorder (NVR)	Interface 4 RJ-45 Ports (10/100/1000Mbps)	2 Ethernet Port in NVR is standard Ethernet Port followed by all OEM's.	Agree	
17	Page No.37 , Point No-22	1I. 64 Channel Network Video Recorder (NVR)	Ethernet Port 4 Ethernet Ports Joint Working or 4 Independent 1000Mbps Ethernet Ports	2 Ethernet Port in NVR is standard Ethernet Port followed by all OEM's.	2 port acceptable but the ports must work Joint or independent	
18	Page No.48 , Point No-6	2D. Technical Specification of ANPR Camera	Lens CS mountable, fixed iris, 6mm prime lens	Requesting to modify this clause as 10 to 50 mm for accuracy & result so kindly amend this clause with motorized lense . For Allow the maximum Oem for Bid.	Agree	
19	Page No.50 , Point No-7	2E. Technical Specification of PTZ Camera	Electronic Shutter 1/5s ~ 1 / 100,000 s	1/1 s-1/30,000 s is standard Electronic Shutter Speed followed by all OEM's.	Both are acceptable	
20	Page No.50 , Point No-29	2E. Technical Specification of PTZ Camera	Edge Video Content Analytics Intrusion detection, Loitering detection, Line crossing detection, Face detection, Unattended object detection, Missing object detection, SoC with built-in hardware deep learning accelerator, Object Detection [People, Vehicle (4-wheeled, 2-wheeled)], Attribute Extraction [People (gender, clothing colour, bag, hat), Vehicle (bike, bus, car, motorcycle, truck, colour), Re-Search Extraction, Path Extraction	STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	Edge Video Content Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
21	Page No.50 , Point No-44	2E. Technical Specification of PTZ Camera	Compatibility ONVIF profile S , G , T & M	Onvif Profile S,G& T is standard Onvif Profile followed by all OEM's.	Agree	
22	Page No.49 , Point No-6	2E. Technical Specification of PTZ Camera	Zoom 40 X optical Zoom, 32 X Digital Zoom, Auto Pan mode	Optical Zoom 45X and 16X Digital Zoom is standard Optical and Digital Zoom followed by all OEM's.	Both are acceptable	
23	Additional Point	Critiarea	Additional Point	CCTV Camera OEM should be fulltime member of ONVIF and quoted Camera models should be listed on ONVIF official website (All the certifications & Credentials should be valid on the date of technical evaluation).	Adhere to specification	

24	Additional Point	Critiarea	Additional Point	The Camera OEM should comply to General Data Protection Regulation (GDPR) & Waste Electrical and Electronic Equipment (WEEE) . OEM should have valid EPR (Extended Producer Responsibility License/ Authorization No. from Central Pollution Control Board for Electrical & Electronic Equipment E-Waste. OEM need to submit its certificate with technical bid.	Adhere to specification	
25	Additional Point	Critiarea	Additional Point	CCTV OEM should have manufacturing in India since last Five years and Foreign CCTV OEM should have manufacturing unit globally from last 10 Years. (Documentary evidence should be submitted).	Adhere to specification	
2	1	4	Earnest Money Deposit (EMD) Exemption	As per tender conditions, EMD exemption is allowed only for MSME registered in the State of Odisha. We request clarification/consideration to extend this exemption to valid MSME certificates issued in other States as well, and not restrict it only to Odisha.	Adhere to tender clause	
3	1	4	Reservation for MSME	As per tender conditions, 20% procurement is reserved for MSMEs registered in the State of Odisha. We request clarification/consideration that such reservation should not be restricted only to Odisha MSMEs, but extended to MSMEs registered across all States, subject to meeting technical and quality requirements.	Adhere to tender clause	
4	1	4	Performance Bank Guarantee (PBG) Relaxation	As per tender conditions, the Performance Bank Guarantee (PBG) for MSMEs registered in Odisha is prescribed at 25% of the normal value. We request clarification/consideration to extend this benefit to all MSMEs registered across India, and not restrict it only to Odisha MSMEs.	Adhere to tender clause	
5		9	registered with DISCOM	Bidder Have to registered with DISCOM .Please confirm	Shall be intimated during TER (if required)	
6		9	Factory Inspection	Please Clarify the process.		
7		6 Specification of Security Surveillance	Existing VMS	We understand that the existing VMS deployed is from Vehant. Kindly clarify whether integration with the existing Vehant VMS is required under the present scope of work, or if a new integration is to be carried out separately.	Go through the tender	
4	12	Design requirements of Video Management System (VMS) & Video Analytics Platform	6. Camera shall be provided for monitoring, recording and alert generation for c. Server based Face recognition software license for min 100 people/camera with the system	Referring to Clause 15.1 Bill of Material (BOM) for Part-A: Surveillance System for Additional 40 PSS, it is mentioned under item 6. that a License for Video Analytics Software for Face Recognition for 50 people is required for 40 cameras. However, on page 12, it appears that a Server-based Face Recognition Software License for a minimum of 100 people per camera is specified. Kindly confirm the exact license requirement.	The current requirement is for a license covering 50 people. However, the software must have the technical capability to support a minimum of 100 people per camera to allow for future scalability.	
5	12	Design requirements of Video Management System (VMS) & Video Analytics Platform	12. NVR/LPU at each PSS shall store the video feed recording data for 30 days and the VA system at Security Control Room/PSS LPU shall store the data and alerts for 30 days.	Kindly confirm the exact number of days of recording required, so that the appropriate storage capacity can be proposed.		
	4	1.2.2 Part-B: Surveillance for CRC Locations	A minimum of 90 days local storage (with appropriate memory backup/NVR solution) for video recording must be ensured.			
6	13	Part-B: Surveillance for CRC Locations	5. The system shall support 24x7 recording with a minimum of 30 days storage capacity.			
7	14	Part-C: Surveillance for Open-Space Stores	2. The video feed from all cameras shall be recorded continuously on an NVR with minimum 180 days of storage capacity.			
	25	1C. Functional Requirement Specification for Video Management Software (VMS) License	4. Should record H.264 / H.265, MPEG4 or MJPEG in at minimum 25 fps at minimum Full HD (1080p) resolution for 30 days			The scope of work and detailed design are clearly defined in the tender specification document.

8	25	1C. Functional Requirement Specification for Video Management Software (VMS) License	The VMS license shall be able to get integrated with existing VMS central Software platform and shall be Scalable, Client Server based, Enterprise level capable to integrate new as well as exiting IP camera of any make model in the VMS system. It shall be capable to expand by adding additional camera license and server in the same VMS platform.	Kindly please read as: The VMS license shall be able to get integrated with existing/ newly replaced VMS central Software platform and shall be Scalable, Client Server based, Enterprise level capable to integrate new as well as exiting IP camera of any make model in the VMS system. It shall be capable to expand by adding additional camera license and server in the same/ newly replaced VMS platform.	Agree	
9	25		3. The OEM shall have existing ONVIF membership for open integration with 3rd party system / devises integration to meet project objective and functionality.	Kindly please read as: 3. The OEM shall have existing ONVIF full membership for open integration with 3rd party system / devises integration to meet project objective and functionality.	Adhere to specification	
11	25		25 Live View possible for upto 144 live videos and upto 64 playback videos simultaneously on 1 screen or multiple monitors using software video wall.	Kindly please read as: 25 Live View possible for upto 110 live videos and upto 64 playback videos simultaneously on 1 screen or multiple monitors using software video wall.	Agree	
12	27		22 VMS software should have the Encryption algorithm of 1024 / 096-bit RSA and hashing of SHA -512 for tamper proof data. VMS OEM must be CMMi Level-3 certified and listed on www.cmmiinstitute.com	Request you kindly remove this clause as this CMMi Level-3 certificate will restrict many OEMs/Bidder to participate.	Adhere to specification	
13	28		55 Should support multiple brand IP camera, encoders and DVRs. No restriction on camera hardware. VMS OEM must have presence in India for last 5 years.	Kindly please read as: 55 Should support multiple brand IP camera, encoders and DVRs. No restriction on camera hardware. VMS OEM must have presence in India and should be VMS business for last 5 years.	Adhere to specification	
14	28		56 Should support ONVIF protocol including Profile-S, G & T.	Kindly please read as: 56 Should support ONVIF protocol including Profile-S, G, M & T.	Adhere to specification	
17	29	1E. Functional Requirement Specifications for Artificial Intelligence Based Video Analytics Platform	Single Unified System Unified AI Based Video Platform - The existing unified AI-based video analytics platform shall be seamless integrated with any OnVIF compliant IP Camera (existing/new both) and additional VA licenses in existing Video Analytics Platform.	Kindly please read as: Single Unified System Unified AI Based Video Platform - The existing/ newly replaced unified AI-based video analytics platform shall be seamless integrated with any OnVIF compliant IP Camera (existing/new both) and additional VA licenses in existing Video Analytics Platform.	Accepted.	
19	30					
20	31		Alert Monitoring Attribute-based search: Advanced search options will be available to filter results based on object attributes like colour, clothing, gender, and object classification.		Adhere to specification	
21	33		Rule Management The system shall allow users creation and save a set of filters called rule by combining conditions, for example, Object type (Person, Animal), Gender (Male, Female), Clothing (Upper body, Lower body, Colour), and/or Accessories (Handbag, Backpack, Baggage). This ensure a for quick and easy filtering instead of setting individual values each time.	Kindly please confirm the number of Attribute Search license required for Video Analytics OEM	Adhere to specification	
23	34		VehicleDetection The Central VA platform shall be capable to detect and capture the images of vehicle entering at the PSS premise in the selected camera filed of view(FOV)	Kindly please confirm the number of Vehicle Detection license required for Video Analytics OEM	Adhere to specification	

1	Technical Specification> IP BULLET CAMERA IR 60 MTRS	1	IR Range of 60 meter	The IR Range of the Camera can be dependant on its focal length. Normally for 3.6 mm or 4 mm fixed lens the maximum IR Distance should be 40 meters. To extend the IR Distance to 60 meter, need to consider 6 mm lens. Hence, it would be better to amend the clause as "IR Range of 40 meter or better".	Adhere to specification	
2	Technical Specification> IP BULLET CAMERA IR 60 MTRS	1	3.6 mm fixed lens	Normally, 3.6 mm lens are used by very specific OEMs. Mostly avialble lens is 4 mm. The features are mostly same as the 3.6 mm lens, even 4mm lens can give better Field of View by advanced technology. Hence, please amend the clause as " 3.6 or 4 mm fixed lens".	Adhere to specification	
3	Technical Specification> 8 CHANNEL NVR	2	The device must have STQC certification	As per the recent communication, NVR does not need Certification from STQC. Only IP Cameras will need such certification. Hence, please eliminate this clause from spec.	Accepted	
1	14 TECHNICAL PARTICULARS > 1A. Network Dome Camera	22	7. Minimum Illumination: 0.007 Lux@F1.6(Colour,30IRE), 0.01 Lux@F1.6(B/W,30IRE) 0 lux (IR on)	Generally, min. illumination of the B/W mode will be depend on the built in IR. Built in IR will be operated automatically while the lux level reaches at 0 Lux. Even, in the very dark mode at lux level 0.01 lux visibility will be too less and quality of image will be poor. Hence, please amend the clause as " Minimum Illumination: 0.007 Lux@F1.6(Color,30IRE), 0 lux (IR on)".	Adhere to specification	
2	14 TECHNICAL PARTICULARS > 1A. Network Dome Camera	22	8. S/N Ratio: > 56dB	Normally, the standard S/N Ratio is ≥52dB which is supported by many OEMs. To keep the spec generic we request to amend the clause as " S/N Ratio: >52dB or better".	Accepted	
3	14 TECHNICAL PARTICULARS > 1A. Network Dome Camera	22	22. Video Frame Rate: Main Stream: 30fps @2880x1616, 2688x1512, 2560x1440, 1920x1080, 1600x904, 1360x768, 1280x720, 640x360(16:9) 2nd Stream: 30fps @1920x1080, 1600x904, 1360x768, 1280x720, 640x360 (16:9) 3rd Stream: 30 fps @ 1280x720, 640x360, 480x272 (1	The resolution is mentioned in the frame resolution are uncommon and not the standard resolution. It seems that the specification is made with specific CCTV OEM. Requesting to amend the clause by keeping all the common parameters so that OEMs can participate.	Accepted	
4	14 TECHNICAL PARTICULARS > 1A. Network Dome Camera	22	24. Resolution: 30 fps @ 2880x1616 or better	The resolution is asked in the specification is 2560 x 1920 which is 5 MP and it is maximum resolution for Cameras, but in this parameters resolution is mentioned 2880 x 1616 which is not standard and very much uncommon resolution in compare to other OEMS technical spec. Request to amend the clause as per the standard resolution of the Cameras.	Accepted	
5	14 TECHNICAL PARTICULARS > 1B. Network Bullet Came Network Bullet Camera	24	7. Minimum Illumination: 0.006 Lux@F1.6(Color), 0.0006 Lux@F1.6(B/W), 0 lux (IR on)	Generally, min. illumination of the B/W mode will be depend on the built in IR. Built in IR will be operated automatically while the lux level reaches at 0 Lux. Even, in the very dark mode at lux level 0.0006, visibility will be too less and quality of image will be poor. Hence, please amend the clause as " Minimum Illumination: 0.006 Lux@F1.6(Color,30IRE), 0 lux (IR on)".	Adhere to specification	
6	14 TECHNICAL PARTICULARS > 1B. Network Bullet Came Network Bullet Camera	24	19. Video Metadata : Object Detection: People, Vehicle (4-wheeled, 2-wheeled); Attribute Extraction: People (gender, clothing color, bag, hat), Vehicle (bike, bus, car, motorcycle, truck, color); Re-Search Extraction; Path Extraction, Smart Motion Detection, Smart VCA (Intrusion detection, Loitering detection, Line crossing detection, Unattended object detection, Missing object detection, Face detection, Crowd detection	Generally metadata will be required for such camera which is having edge based analytics to be integrated with common VMS Platform so that it can take the metadata from Camera and process. Here, additional analytic application software is there in the BOQ which can take the live video streams from Camera and process the video streams by pre-defined AI features by the application. Hence, it would be better to eliminate this clause for avoiding further confusions.	Adhere to specification	
7	14 TECHNICAL PARTICULARS > 1B. Network Bullet Came Network Bullet Camera	25	36. Alarm Event: Audio detection, camera tampering detection, cyberssecurity events (brute force attack event, cyberattack event, quarantine event), digital input, manual trigger, motion detection, periodical trigger, recording notification, SD card life expectancy, shock detection, system boot	Shock detection alarm events may be a equivalent feature of Tamper Detection. Few OEMs are using Shock Detection and major OEM in CCTV industry uses Tamper detection as it is very common term, hence request to please amend the spec as " shock detection or tamper detection".	Accepted	
8	14 TECHNICAL PARTICULARS > 1B. Network Bullet Came Network Bullet Camera	25	41. Interoperability: ONVIF G,S,T & M	ONVIF Profile M is used for metadata to be integrated with third party system or application. In this Tender there is a separate SI Software application which will do analytics from the video data from the Cameras, for that ONVIF S, G and T will be enough. Hence, please amend the clause as "Interoperability: ONVIF G,S,T".	Accepted	

9	14 TECHNICAL PARTICULARS> 1G. 16 Channel Network Video Rec	35	10. AI by Camera: Face detection, Face recognition, Video metadata (Human, Motor vehicles, Non-motor vehicles), Perimeter protection, SMD Plus, Stereo analysis, Crowd distribution, People counting, ANPR, Vehicle density, Heat map	It has been noticed that there are Video Analytic software are there in the BOQ. A detailed technical specification of VMS and analytic Software are there in the tender documents. If analytics features are controlled by the AI software application then Edge based camera analytics will not be required. Please clarify on the same.	Adhere to specification	
10	14 TECHNICAL PARTICULARS> 1G. 16 Channel Network Video Rec	35	16. SMD Plus by NVR : 8 Channels: Secondary filtering for human and motor vehicle, Reducing false alarms caused by leaves, Rain and lighting condition change	Cameras with SMD features will already have those features to reduce the false alarms, using of SMD Plus NVR will be an additional benefit which can do double filtration. In this scenario, 4 Channels will be sufficient for the NVR to do the double filtration. Hence, please amend the clause as "4 Channels: Secondary filtering for human and motor vehicle, Reducing false alarms caused by leaves, Rain and lighting condition change..	Adhere to specification	
11	14 TECHNICAL PARTICULARS> 1G. 16 Channel Network Video Rec	36	22. Hard Disk: 2 SATA ports, Each disk can contain upto 20TB	This is brand specific requirement.	Adhere to specification	
12	14 TECHNICAL PARTICULARS> 1G. 16 Channel Network Video Rec	36	24. 2 USB Ports (1 front USB 2.0 port, 1 rear USB 3.0 port), 1 RS232, 1 RS485	Generally, 16 Channel 2 SATA NVR is eco series NVR which generally does not have serial interfaces. If these ports are mandatory then, the spec should be for atleast 16 Channel NVR with 4 SATA Interface.	Adhere to specification	
13	14 TECHNICAL PARTICULARS> 1H. 32 Channel Network Video	36	21. Interface: 4 RJ-45 Ports (10/100/1000Mbps)	Generally, NVR should have atleast 2 x RJ45 Ethernet Interface for redundancy purposes. It is enough for the NVR for smooth data transmission. Hence, please amend the clause as "Interface: atleast 2 RJ-45 Ports (10/100/1000Mbps)".	Accepted	
14	14 TECHNICAL PARTICULARS> 1I. 64 Channel Network Video Record	37	21. Interface: 4 RJ-45 Ports (10/100/1000Mbps)	Generally, NVR should have atleast 2 x RJ45 Ethernet Interface for redundancy purposes. It is enough for the NVR for smooth data transmission. Hence, please amend the clause as "Interface: atleast 2 RJ-45 Ports (10/100/1000Mbps)".	Accepted	
26	1. Internal HDD: Should have 180 days recording backup (Bit rate-2048Kbps) storage capacity.	In the technical spec of NVR 2 SATA HDD Interface is mentioned. To keep the backup of 180 days 2 SATA HDD will not be enough, moreover the recording parameters are not mentioned to calculate the storage, hence kindly add the clause here as " Storage calculation needs to be done for 180 days".			The requirement is for 180 days of backup storage. Bidders must calculate the necessary storage capacity and submit their proposals accordingly.	
27	9. AI by Camera: Face detection, Face recognition, Video metadata (Human, Motor vehicles, Non-motor vehicles), Perimeter protection, SMD Plus, Stereo analysis, Crowd distribution, People counting, ANPR, Vehicle density, Heat map	It has been noticed that there are Video Analytic software are there in the BOQ. A detailed technical specification of VMS and analytic Software are there in the tender documents. If analytics features are controlled by the AI software application then Edge based camera analytics will not be required. Please clarify on the same.			Adhere to specification	
27	13. Perimeter Performance AI by NVR (Number of Channels): 4 Channels, 10 IVS rules for each Channel	There is a dedicated AI application in the Tender BOQ hence, this is understood that all AI features are controlled and operated by the AI application and VMS. In such cases, the NVR AI features will be not used as it will be connected to the main VMS module and AI Module, all types of events can be handled by VMS. Clarification is required for which purposes the mentioned AI Function are required for NVR.			Adhere to specification	

27	15. SMD Plus by NVR : 8 Channels: Secondary filtering for human and motor vehicle, Reducing false alarms caused by leaves, Rain and lighting condition change	Cameras with SMD features will already have those features to reduce the false alarms, using of SMD Plus NVR will be a additional benefits which can do double filtration. In this scenario, 4 Channels will be sufficient for the NVR to do the double filtration. Hence, please amend the clause as "4 Channels: Secondary filtering for human and motor vehicle, Reducing false alarms caused by leaves, Rain and lighting condition change:..			Adhere to specification	
27	17. Metadata Performance of 8 Channels	Generally metadata will be required for such camera which is having edge based analytics to be integrated with common VMS Platform so that it can take the metadata from Camera and process. Here, additional analytic application software is there in the BOQ which can take the live video streams from Camera and process the video streams by pre-defined AI features by the application. Hence, it would be better to eliminate this clause for avoiding further confusions.			Adhere to specification	
27	23. 2 USB Ports (1 front USB 2.0 port, 1 rear USB 3.0 port), 1 RS232, 1 RS485	Generally, 16 Channel 2 SATA NVR is eco series NVR which generally does not have serial interfaces. If these ports are mandatory then, the spec should be for atleast 16 Channel NVR with 4 SATA Interface.			Adhere to specification	
28	3. Minimum Illumination: 0.006 Lux@F1.6(Color,30IRE), 0.0006 Lux@F1.6(B/W,30IRE) 0 lux (IR on)	Generally, min. illumination of the B/W mode will be depend on the built in IR. Built in IR will be operated automatically while the lux level reaches at 0 Lux. Even, in the very dark mode at lux level 0.0006, visibility will be too less and quality of image will be poor. Hence, please amend the clause as " Minimum Illumination: 0.006 Lux@F1.6(Color,30IRE), 0 lux (IR on)".			Adhere to specification	
28	9. S/N Ratio: >56 dB	Normally, the standard S/N Ratio is ≥52dB which is supported by many OEMs. To keep the spec generic we request to amend the clause as " S/N Ratio: ≥52dB or better".			Accepted	
28	10. Video Compression: H.265, H.264+, H.265, H.264, H.264H, H.264B, MJPEG	Compression format H.264H, H.264B are brand specific, most generic video compression is H.265, H.264 or MJPEG. Hence request to keep the Tender spec generic so that maximum OEM can participate in this Tender.			Accepted	

28	12. Image Stabilization: Electronic Image Stabilization (EIS)	Generally, EIS may not be applicable for the CCTV Cameras as these Cameras will be installed at fixed areas where the image is already stabilized, there is no requirement of additional Image Stabilization features in the fixed cameras. It unnecessarily increases the cost of the Cameras. Hence, please eliminate the EIS feature from this spec.			Adhere to specification	
30	7. Minimum Illumination: 0.006 Lux@F1.6(Color), 0.0006 Lux@F1.6(B/W), 0 lux (IR on)	Generally, min. illumination of the B/W mode will be depend on the built in IR. Built in IR will be operated automatically while the lux level reaches at 0 Lux. Even, in the very dark mode at lux level 0.0006, visibility will be too less and quality of image will be poor. Hence, please amend the clause as " Minimum Illumination: 0.006 Lux@F1.6(Color,30IRE), 0 lux (IR on)".			Adhere to specification	
30	19. Video Metadata : Object Detection: People, Vehicle (4-wheeled, 2-wheeled); Attribute Extraction: People (gender, clothing color, bag, hat), Vehicle (bike, bus, car, motorcycle, truck, color); Research Extraction; Path Extraction, Smart Motion Detection, Smart VCA (Intrusion detection, Loitering detection, Line crossing detection, Unattended object detection, Missing object detection, Face detection, Crowd detection	Generally metadata will be required for such camera which is having edge based analytics to be integrated with common VMS Platform so that it can take the metadata from Camera and process. Here, additional analytic application software is there in the BOQ which can take the live video streams from Camera and process the video streams by pre-defined AI features by the application. Hence, it would be better to eliminate this clause for avoiding further confusions.			Adhere to specification	
32	36. Alarm Event: Audio detection, camera tampering detection, cybersecurity events (brute force attack event, cyberattack event, quarantine event), digital input, manual trigger, motion detection, periodical trigger, recording notification, SD card life expectancy, shock detection, system boot	Shock detection alarm events may be a equivalent feature of Tamper Detection. Few OEMs are using Shock Detection and major OEM in CCTV industry uses Tamper detection as it is very common term, hence request to please amend the spec as " shock detection or tamper detection".			Accepted	
41	Interoperability: ONVIF G,S,T & M	ONVIF Profile M is used for metadata to be integrated with third party system or application. In this Tender there is a separate SI Software application which will do analytics from the video data from the Cameras, for that ONVIF S, G and T will be enough. Hence, please amend the clause as "Interoperability: ONVIF G,S,T".			Accepted	

1	1G. 16 Channel Network Video Recorder (NVR)P	16. Technical Specification 16 Channel Network Video Recorder (NVR) -Point No - 21	Hard Disk 2 SATA ports, Each disk can contain up to 20 TB.	As Per RFP 180 days storage is not enough in 2 SATA" Port So kindly amened 8 SATA port of each NVR .	The requirement is for 180 days of backup storage. Bidders must calculate the necessary storage capacity and submit their proposals accordingly.	
2	Network Bullet Camera, point No -02,	Network Bullet Camera, point No -02,	Max. Resolution 2560x1920 (5MP)	Higher resolution cameras (like 2K or 4K) capture more pixels, resulting in sharper, clearer images compared to lower resolutions like 4MP or 5MP. This is particularly important for identifying faces, license plates, and other crucial details, especially in situations where identifying individuals is critical. When zooming in on specific areas, higher resolution cameras maintain image clarity, preventing pixelation and blurriness that can occur with lower resolution cameras. This allows for a more focused and detailed examination of captured footage. Please amend 4MP or Better Camera.	Adhere to specification	
3	Network Bullet Camera, point No -03,	Network Bullet Camera, point No -03,	ROM 4GB	It's single OEM Specific specification basically thus requesting you remove this clause . Suggestion : 128MB or better is ROM followed by all OEM's.	Adhere to specification	
4	Network Bullet Camera, point No -04,	Network Bullet Camera, point No -04,	RAM 1GB	It's single OEM Specific specification basically thus requesting you remove this clause . Suggestion : 512MB or better is standard RAM followed by all OEM's.	Adhere to specification	
5	Network Bullet Camera, point No -05,	Network Bullet Camera, point No -05,	IVS Intrusion, tripwire, loitering detection, people gathering	As per Govt cercularis now to on wards Guidlines of DPIIT through of meity. STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alarts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
6	Network Bullet Camera, point No -17,	Network Bullet Camera, point No -17,	Smart Object Detection Smart abandoned object; smart missing object	As per Govt cercularis now to on wards Guidlines of DPIIT through of meity. STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alarts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
7	Network Bullet Camera, point No -19,	Network Bullet Camera, point No -19,	Video Metadata Object Detection: People, Vehicle (4-wheeled, 2-wheeled); Attribute Extraction: People (gender, clothing color, bag, hat), Vehicle (bike, bus, car, motorcycle, truck, color); Re-Search Extraction; Path Extraction, Smart Motion Detection, Smart VCA (Intrusion detection, Loitering detection, Line crossing detection, Unattended object detection, Missing object detection, Face detection, Crowd detection.	STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alarts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
8	Network Bullet Camera, point No -26,	Network Bullet Camera, point No -26,	Video Bit Rate. H.264: 32 kbps–16384 kbps; H.265: 12 kbps–11776 kbps.	OEM Suggestion : H.264:8 kbps–6144 kbps, H.265: 3 kbps–6144 kbps is Standard Bit rate Follow by all OEM's.	Accepted	
9	Network Bullet Camera, point No -41,	Network Bullet Camera, point No -41,	Interoperability ONVIF G,S,T & M	Onvif Profile S,G& T is standard Onvif Profile followed by all CCTV OEM's it's geenric point .	Accepted	
10	Technical Specification of PTZ Camera- point No -07	Technical Specification of PTZ Camera- point No -07	Electronic Shutter 1/ 5s ~ 1 / 100,000 s	1/1 s–1/30,000 s is standard Electronic Shutter Speed followed by all OEM's.	Accepted	

11	Technical Specification of PTZ Camera- point No -07	Technical Specification of PTZ Camera- point No -07	Edge Video Content Analytics Camera should have in-built Edge Based Analytics, Pedestrian Intrusion Detection, Line cross Detection, SOD-Stationary Object Detection, Vehicle Detection, face Detection (PID/LCD/SOD/PD&VD/FD/CC/SOD)	STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards. OEM Suggestion : Please remove this Clause or IVS Through the VMS Software.	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
12	Technical Specification of PTZ Camera- point No -43	Technical Specification of PTZ Camera- point No -43	BNC 1 X BNC	BNC connector is used typically for analog video (CVBS, HD-CVI/TVI/AHD), while IP cameras use RJ45 (network). Please remove this Clause.	Accepted	
13	Technical Specification of PTZ Camera- point No -46	Technical Specification of PTZ Camera- point No -46	Compatibility ONVIF profile S , G and Q	Onvif Profile S,G& T is standard Onvif Profile followed by all OEM's.	Accepted	
14	2D. Technical Specification of ANPR Camera, Point no -2	2D. Technical Specification of ANPR Camera, Point no -2	Processor Hisilicon, specialized license plate recognition chip	Currently As per Govt norms all product should be required MII compliance and need manufacturing in India , So chip set is many more out of China , so please remove the clause .	Agree	
15	2D. Technical Specification of ANPR Camera, Point no -6	2D. Technical Specification of ANPR Camera, Point no -6	Lens CS mountable, fixed iris, 6mm prime lens	Requesting to modify this clause as 10 to 50 mm for accuracy & result so kindly amend this clause with motorized lens . For Allow the maximum OEM for Bid.	Agree	
TP SOUTHERN ODISHA DISTRIBUTION LIMITED, BERHAMPUR , Doc. No SC-SSS-1						
S.No	Page No. in the Tender	Clause No:	Particulars of the query / clarification	Remarks / Request for Change		
1	Page No.22, Point No -2	1A. Network Dome Camera	Max. Resolution 2560[H] X 1920[V]	Higher resolution cameras (like 2K or 4K) capture more pixels, resulting in sharper, clearer images compared to lower resolutions like 4MP or 5MP. This is particularly important for identifying faces, license plates, and other crucial details, especially in situations where identifying individuals is critical. When zooming in on specific areas, higher resolution cameras maintain image clarity, preventing pixelation and blurriness that can occur with lower resolution cameras. This allows for a more focused and detailed examination of captured footage. Please amend 4MP or Better Camera.	Adhere to specification	
3	Page No.22, Point No -18	1A. Network Dome Camera	IVS (Perimeter Protection) Intrusion detection, Loitering detection, Line crossing detection	As per Govt circulars now to onwards Guidelines of DPIIT through of MeitY, STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards. Please remove this Clause or IVS by VMS Software.	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
4	Page No.22, Point No -24	1A. Network Dome Camera	Resolution 30 fps @ 2880x1616 or better	Higher resolution cameras (like 2K or 4K) capture more pixels, resulting in sharper, clearer images compared to lower resolutions like 4MP or 5MP. This is particularly important for identifying faces, license plates, and other crucial details, especially in situations where identifying individuals is critical. When zooming in on specific areas, higher resolution cameras maintain image clarity, preventing pixelation and blurriness that can occur with lower resolution cameras. This allows for a more focused and detailed examination of captured footage. Please amend 4MP or Better Camera.	Adhere to specification	

5	Page No.22, Point No -22	1A. Network Dome Camera	Video Frame Rate Main Stream: 30fps @2880x1616, 2688x1512, 2560x1440, 1920x1080, 1600x904, 1360x768, 1280x720, 640x360(16:9) 2nd Stream: 30fps @1920x1080, 1600x904, 1360x768, 1280x720, 640x360 (16:9) 3rd Stream: 30 fps @ 1280x720, 640x360, 480x272 (16:9)	Higher resolution cameras (like 2K or 4K) capture more pixels, resulting in sharper, clearer images compared to lower resolutions like 4MP or 5MP. This is particularly important for identifying faces, license plates, and other crucial details, especially in situations where identifying individuals is critical. When zooming in on specific areas, higher resolution cameras maintain image clarity, preventing pixelation and blurriness that can occur with lower resolution cameras. This allows for a more focused and detailed examination of captured footage. Please amend Main stream: Main stream: 4MP (2688 × 1520)@1–20 fps/ (2560×1440)1-25/30fps Sub stream 1: D1@1–25/30 fps; Sub stream 2: D1@1–25/30 fps; Sub stream 3: D1@1fps	Accepted	
6	Page No.22, Point No -26	1A. Network Dome Camera	Video Bit Rate H.264: 3 kbps–8192 kbps H.265: 3 kbps–8192 kbps	H.265: 3 kbps-6144 kbps, H.264: 8 kbps-6144 kbps is Standard Bit rate Follow by all OEM's.	Accepted	
7	Page No.24, Point No -2	1B. Network Bullet Camera	Max. Resolution 2560x1920 (5MP)	Higher resolution cameras (like 2K or 4K) capture more pixels, resulting in sharper, clearer images compared to lower resolutions like 4MP or 5MP. This is particularly important for identifying faces, license plates, and other crucial details, especially in situations where identifying individuals is critical. When zooming in on specific areas, higher resolution cameras maintain image clarity, preventing pixelation and blurriness that can occur with lower resolution cameras. This allows for a more focused and detailed examination of captured footage. Please amend 4MP or Better Camera.	Adhere to specification	
8	Page No.24, Point No -3	1B. Network Bullet Camera	ROM 4 GB	It's single OEM Specific specification basically thus requesting you remove this clause . 128MB is ROM followed by all OEM's.	Adhere to specification	
9	Page No.24, Point No -4	1B. Network Bullet Camera	RAM 1 GB	It's single OEM Specific specification basically thus requesting you remove this clause . 512MB is standard RAM followed by all OEM's.	Adhere to specification	
11	Page No.24, Point No -16	1B. Network Bullet Camera	IVS Intrusion, tripwire, loitering detection, people gathering	STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
12	Page No.24, Point No -17	1B. Network Bullet Camera	Smart Object Detection Abandoned object; Missing object	STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
13	Page No.24, Point No -41	1B. Network Bullet Camera	Interoperability ONVIF G,S,T & M	Onvif Profile S,G&T is standard Onvif Profile followed by all OEM's.	Agree	
14	Page No.36, Point No -14	1H. 32 Channel Network Video Recorder (NVR)	Record Interval 1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec	Record Interval 1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec is standard Record Interval followed by all OEM's.	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec and 1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec , Both are acceptable	
15	Page No.37, Point No -21	1H. 32 Channel Network Video Recorder (NVR)	Interface 4 RJ-45 Ports (10/100/1000Mbps)	2 Ethernet Port in NVR is standard Ethernet Port followed by all OEM's.	Agree	
16	Page No.37, Point No -22	1H. 32 Channel Network Video Recorder (NVR)	Ethernet Port 4 Ethernet Ports Joint Working or 4 Independent 1000Mbps Ethernet Ports	2 Ethernet Port in NVR is standard Ethernet Port followed by all OEM's.	2 port acceptable but the ports must work Joint or independent	
17	Page No.37, Point No -14	1I. 64 Channel Network Video Recorder (NVR)	Record Interval 1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec	Record Interval 1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec is standard Record Interval followed by all OEM's.	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec and 1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec , Both are acceptable	

18	Page No.37, Point No - 21	1I. 64 Channel Network Video Recorder (NVR)	Interface 4 RJ-45 Ports (10/100/1000Mbps)	2 Ethernet Port in NVR is standard Ethernet Port followed by all OEM's.	Agree	
19	Page No.37 , Point No-22	1I. 64 Channel Network Video Recorder (NVR)	Ethernet Port 4 Ethernet Ports Joint Working or 4 Independent 1000Mbps Ethernet Ports	2 Ethernet Port in NVR is standard Ethernet Port followed by all OEM's.	2 port acceptable but the ports must work Joint or independent	
20	Page No.48 , Point No-6	2D. Technical Specification of ANPR Camera	Lens CS mountable, fixed iris, 6mm prime lens	Requesting to modify this clause as 10 to 50 mm for accuracy & result so kindly amend this clause with motorized lens. For Allow the maximum Oem for Bid.	Agree	
21	Page No.50 , Point No-7	2E. Technical Specification of PTZ Camera	Electronic Shutter 1/ 5s ~ 1 / 100,000 s	1/1 s-1/30,000 s is standard Electronic Shutter Speed followed by all OEM's.	Both are acceptable	
22	Page No.50 , Point No-19	2E. Technical Specification of PTZ Camera	Image Setting white balance, brightness, contrast, saturation, sharpness, gamma curve, defog, 3DNR, HLM, EIS (built-in gyro sensor), scene mode (auto), exposure strategy (measurement window, metering mode), Privacy mask, Pixel calculator, Scheduled profile settings	It's single OEM Specific specification basically thus requesting you remove this clause . 3DNR,HLC,BLC,WDR,EIS ,Brightness ,Contrast,Sharpness,Gamma followed by all OEM's.	Without 3DNR,HLC,BLC,WDR,EIS ,Brightness ,Contrast,Sharpness,Gamma will be Accepted	
23	Page No.50 , Point No-21	2E. Technical Specification of PTZ Camera	TF card Seamless Recording to MicroSD/SDHC/SDXC card (1TB capacity supported) and recording to network-attached storage (NAS)	512GB memory card slot in a PTZ camera is used for local video storage, allowing the camera to record footage directly to the card without needing an external storage device or cloud service. This provides a convenient way to store and access recorded video, especially when network connectivity is limited or unavailable. 512GB is standard Electronic Shutter Speed followed by all OEM's.	Accepted	
24	Page No.50 , Point No-29	2E. Technical Specification of PTZ Camera	Edge Video Content Analytics Intrusion detection, Loitering detection, Line crossing detection, Face detection, Unattended object detection, Missing object detection, SoC with built-in hardware deep learning accelerator, Object Detection [People, Vehicle (4-wheeled, 2-wheeled)], Attribute Extraction [People (gender, clothing colour, bag, hat), Vehicle (bike, bus, car, motorcycle, truck, colour), Re-Search Extraction, Path Extraction	STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
25	Page No.50 , Point No-44	2E. Technical Specification of PTZ Camera	Compatibility ONVIF profile S , G ,T & M	Onvif Profile S,G&T is standard Onvif Profile followed by all OEM's.	Accepted	
26	Page No.49 , Point No-6	2E. Technical Specification of PTZ Camera	Zoom 40 X optical Zoom, 32 X Digital Zoom, Auto Pan mode	Optical Zoom 45X and 16X Digital Zoom is standard Optical and Digital Zoom followed by all OEM's.	Accepted	
27	Additional Point	Critiarea	Additional Point	CCTV Camera OEM should be fulltime member of ONVIF and quoted Camera models should be listed on ONVIF official website (All the certifications & Credentials should be valid on the date of technical evaluation).	Adhere to specification	
S.No	Page No. in the Tender	Clause No:	Particulars of the query / clarification	Remarks		
1	19	13.1 Special Conditions of Contract , Clause no 5	Delivery Period: For TPWODL - The devices should be delivered within four (04) weeks from Release order issuance date and installation of the same should be done in two (02) months from the date of intimation.	Request to change material delivery within 8 Weeks from issuance of PO and Installation within 4 Weeks' time subject to site readiness.	Delivery Period: For TPWODL - The devices should be delivered within four 06 weeks from Release order issuance date and installation of the same should be done in two (02) months from the date of intimation.	
2	19	13.1 Special Conditions of Contract Clause no 3	Business Associate (BA) shall submit applicable Performance Bank Guarantee as per GCC within 21 days of issuance of order. PBG applicable shall be 5% of PO as per	We would like to humbly request a revision of the PBG requirement to 3% of the base order value (excluding taxes) instead of the current 10%, considering the following:	Tender Clause remain same	
				1. We are operating on thin margins due to competitive pricing and market conditions.	Tender Clause remain same	
				2. A significant number of Government departments and PSUs have revised their PBG requirements to 3% of base order value, in line with guidelines from the Ministry of Finance, particularly in light of the current business environment.	Tender Clause remain same	

		Contract Clause No. 3	Issuance of order. I DO appreciate that be 3/4 of NO as per GCC	3. Reducing the PBG percentage will greatly support our working capital management and help ensure seamless execution of the order without compromising on quality or commitment. We assure you that this request is made solely with the intention of smooth execution and financial prudence. We remain fully committed to fulfilling all terms and obligations of the contract to your utmost satisfaction. We kindly request to amend the payment terms as follows:	Tender Clause remain same	
3	19	Payment Terms 7.5	Payment Terms: On delivery of the materials in good condition and certification of acceptance by certified official post installations, Associate shall submit the Bills/ Invoices in original in the name of respective Odisha discom to Invoice Desk. The payment shall be released within 45 days from the date of the submission of error-free certified bills/ invoices. Any change in statutory taxes, duties and levies during the contract period shall be borne by respective discom. However, in case of delay in work execution owing to reasons not attributable to respective discom, any increase in total liability shall be passed on the Bidder, whereas any benefits arising owing to such statutory variation in taxes and duties shall be passed on respective Odisha Discom.	<i>The payment shall be released within 30 days from the date of the submission of error-free certified bills/ invoices . Subject to Site readiness , If site is not ready, 100% payment shall released and payable within 30 (thirty) days from the date of delivery. "</i>	80 % payment will be released within 45 days from date of receipt of materials at store / site and 20 % Payment will be released within 45 days from the date of complete ITC (Installation, testing and commissioning) . But the time capping in between supply and site availability to the contractor for ITC will be 90 days. Any further delay in making the site available to Contractor / Bidder beyond 90 days will lead to remittance of balance 10 % payment of 20% retained amount to BA on immediate basis for each such site. and rest 10% will be paid post complete ITC. Retention terms apply site wise, individually, and not collectively for all the sites of the Purchase Order.Payment of retained amount of an ITC completed site will not be withheld for pendency of ITC at any other site or sites. Paymnet against line items exclusively related to installation (ITC part), 100% paymnet will be released within 45 days from date of submission of certified bills to the respective discoms. Certification will be done through authorized persons from the respective discoms.	
2	1	4	Earnest Money Deposit (EMD) Exemption	As per tender conditions, EMD exemption is allowed only for MSME registered in the State of Odisha. We request clarification/consideration to extend this exemption to valid MSME certificates issued in other States as well, and not restrict it only to Odisha.	Tender Clause remains same	
3	1	4	Reservation for MSME	As per tender conditions, 20% procurement is reserved for MSMEs registered in the State of Odisha. We request clarification/consideration that such reservation should not be restricted only to Odisha MSMEs, but extended to MSMEs registered across all States, subject to meeting technical and quality requirements.	Tender Clause remains same	
4	1	4	Performance Bank Guarantee (PBG) Relaxation	As per tender conditions, the Performance Bank Guarantee (PBG) for MSMEs registered in Odisha is prescribed at 25% of the normal value. We request clarification/consideration to extend this benefit to all MSMEs registered across India, and not restrict it only to Odisha MSMEs.	Tender Clause remains same	
5		9	registered with DISCOM	Bidder Have to registered with DISCOM .Please confirm	Tender Clause remains same	
6		9	Factory Inspection	Please Clarrrify the process.	Shall be intimated during TER - if required.	
7		6 Specification of Security Surveillance	Existing VMS	We understand that the existing VMS deployed is from Vehant. Kindly clarify whether integration with the existing Vehant VMS is required under the present scope of work, or if a new integration is to be carried out separately.	Go through the tender	
4	12	Design requirements of Video Management System (VMS) & Video Analytics Platform	6. Camera shall be provided for monitoring, recording and alert generation for c. Server based Face recognition software license for min 100 people/camera with the system	Referring to Clause 15.1 Bill of Material (BOM) for Part-A: Surveillance System for Additional 40 PSS, it is mentioned under item 6. that a License for Video Analytics Software for Face Recognition for 50 people is required for 40 cameras. However, on page 12, it appears that a Server-based Face Recognition Software License for a minimum of 100 people per camera is specified. Kindly confirm the exact license requirement.	The current requirement is for a license covering 50 people. However, the software must have the technical capability to support a minimum of 100 people per camera to allow for future scalability.	
5	12	Design requirements of Video Management System (VMS) & Video Analytics Platform	12. NVR/LPU at each PSS shall store the video feed recording data for 30 days and the VA system at Security Control Room/PSS LPU shall store the data and alerts for 30 days.	Kindly confirm the exact number of days of recording required, so that the appropriate storage capacity can be proposed.		
	4	1.2.2 Part-B: Surveillance for CRC Locations	A minimum of 90 days local storage (with appropriate memory backup/NVR solution) for video recording must be ensured.			
6	13	Part-B: Surveillance for CRC Locations	5. The system shall support 24x7 recording with a minimum of 30 days storage capacity.			

7	14	Part-C: Surveillance for Open-Space Stores	2. The video feed from all cameras shall be recorded continuously on an NVR with minimum 180 days of storage capacity.		
	25	1C. Functional Requirement Specification for Video Management Software (VMS) License	4. Should record H.264 / H.265, MPEG4 or MJPEG in at minimum 25 fps at minimum Full HD (1080p) resolution for 30 days	The scope of work and detailed design are clearly defined in the tender specification document.	
8	25	1C. Functional Requirement Specification for Video Management Software (VMS) License	The VMS license shall be able to get integrated with existing VMS central Software platform and shall be Scalable, Client Server based, Enterprise level capable to integrate new as well as exiting IP camera of any make model in the VMS system. It shall be capable to expand by adding additional camera license and server in the same VMS platform.	Kindly please read as: The VMS license shall be able to get integrated with existing/ newly replaced VMS central Software platform and shall be Scalable, Client Server based, Enterprise level capable to integrate new as well as exiting IP camera of any make model in the VMS system. It shall be capable to expand by adding additional camera license and server in the same/ newly replaced VMS platform.	Agree
9	25		3. The OEM shall have existing ONVIF membership for open integration with 3rd party system / devices integration to meet project objective and functionality.	Kindly please read as: 3. The OEM shall have existing ONVIF full membership for open integration with 3rd party system / devices integration to meet project objective and functionality.	Adhere to specification
11	25		25 Live View possible for upto 144 live videos and upto 64 playback videos simultaneously on 1 screen or multiple monitors using software video wall.	Kindly please read as: 25 Live View possible for upto 110 live videos and upto 64 playback videos simultaneously on 1 screen or multiple monitors using software video wall.	Agree
12	27		22 VMS software should have the Encryption algorithm of 1024 / 096-bit RSA and hashing of SHA -512 for tamper proof data. VMS OEM must be CMMi Level-3 certified and listed on www.cmmiinstitute.com	Request you kindly remove this clause as this CMMi Level-3 certificate will restrict many OEMs/Bidder to participate.	Adhere to specification
13	28		55 Should support multiple brand IP camera, encoders and DVRs. No restriction on camera hardware. VMS OEM must have presence in India for last 5 years.	Kindly please read as: 55 Should support multiple brand IP camera, encoders and DVRs. No restriction on camera hardware. VMS OEM must have presence in India and should be VMS business for last 5 years.	Adhere to specification
14	28		56 Should support ONVIF protocol including Profile-S, G & T.	Kindly please read as: 56 Should support ONVIF protocol including Profile-S, G, M & T.	Adhere to specification
17	29	1E. Functional Requirement Specifications for Artificial Intelligence Based Video Analytics Platform	Single Unified System Unified AI Based Video Platform - The existing unified AI-based video analytics platform shall be seamless integrated with any OnVIF compliant IP Camera (existing/new both) and additional VA licenses in existing Video Analytics Platform.	Kindly please read as: Single Unified System Unified AI Based Video Platform - The existing/ newly replaced unified AI-based video analytics platform shall be seamless integrated with any OnVIF compliant IP Camera (existing/new both) and additional VA licenses in existing Video Analytics Platform.	Accepted.
20	31		Alert Monitoring Attribute-based search: Advanced search options will be available to filter results based on object attributes like colour, clothing, gender, and object classification.	Kindly please confirm the number of Attribute Search license required for Video Analytics OEM	Adhere to specification
21	33		Rule Management The system shall allow users creation and save a set of filters called rule by combining conditions, for example, Object type (Person, Animal), Gender (Male, Female), Clothing (Upper body, Lower body, Colour), and/or Accessories (Handbag, Backpack, Baggage). This ensure a for quick and easy filtering instead of setting individual values each time.		
23	34		VehicleDetection The Central VA platform shall be capable to detect and capture the images of vehicle entering at the PSS premise in the selected camera filed of view(FoV)	Kindly please confirm the number of Vehicle Detection license required for Video Analytics OEM	Adhere to specification
1	1G. 16 Channel Network Video Recorder (NVR)P	16. Technical Specification 16 Channel Network Video Recorder (NVR) -Point No - 21	Hard Disk 2 SATA ports, Each disk can contain up to 20 TB.	As Per RFP 180 days storage is not enough in 2 SATA* Port So kindly amended 8 SATA port of each NVR .	The requirement is for 180 days of backup storage. Bidders must calculate the necessary storage capacity and submit their proposals accordingly.

2	Network Bullet Camera, point No 02,	Network Bullet Camera, point No 02,	Max. Resolution 2560x1920 (5MP)	Higher resolution cameras (like 2K or 4K) capture more pixels, resulting in sharper, clearer images compared to lower resolutions like 4MP or 5MP. This is particularly important for identifying faces, license plates, and other crucial details, especially in situations where identifying individuals is critical. When zooming in on specific areas, higher resolution cameras maintain image clarity, preventing pixelation and blurriness that can occur with lower resolution cameras. This allows for a more focused and detailed examination of captured footage. Please amend 4MP or Better Camera.	Adhere to specification	
3	Network Bullet Camera, point No 05,	Network Bullet Camera, point No 05,	IVS Intrusion, tripwire, loitering detection, people gathering	As per Govt circulars now to on wards Guidelines of DPIIT through of meity. STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
4	Network Bullet Camera, point No 17,	Network Bullet Camera, point No 17,	Smart Object Detection Smart abandoned object; smart missing object	As per Govt circulars now to on wards Guidelines of DPIIT through of meity. STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
5	Network Bullet Camera, point No 19,	Network Bullet Camera, point No 19,	Video Metadata Object Detection: People, Vehicle (4-wheeled, 2-wheeled); Attribute Extraction: People (gender, clothing color, bag, hat), Vehicle (bike, bus, car, motorcycle, truck, color); Re-Search Extraction; Path Extraction, Smart Motion Detection, Smart VCA (Intrusion detection, Loitering detection, Line crossing detection, Unattended object detection, Missing object detection, Face detection, Crowd detection.	STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
6	Technical Specification of PTZ Camera- point No -07	Technical Specification of PTZ Camera- point No -07	Electronic Shutter 1 / 5s ~ 1 / 100,000 s	1/1 s-1/30,000 s is standard Electronic Shutter Speed followed by all OEM's.	Agree	
7	Technical Specification of PTZ Camera- point No -07	Technical Specification of PTZ Camera- point No -07	Edge Video Content Analytics Camera should have in-built Edge Based Analytics, Pedestrian Intrusion Detection, Line cross Detection, SOD-Stationary Object Detection, Vehicle Detection, face Detection (PID/LCD/SOD/PD&VD/FD/CC/SOD)	STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards. OEM Suggestion : Please remove this Clause or IVS Through the VMS Software.	Edge Video Content Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
8	Technical Specification of PTZ Camera- point No -46	Technical Specification of PTZ Camera- point No -46	Compatibility ONVIF profile S , G and Q	Onvif Profile S,G& T is standard Onvif Profile followed by all OEM's.	Without BNC is acceptable	
9	2D. Technical Specification of ANPR Camera, Point no -2	2D. Technical Specification of ANPR Camera, Point no -2	Processor Hisilicon, specialized license plate recognition chip	Currently As per Govt norms all product should be required Mil complinace and need manufacturing in india , So chip set is many more out of china , so please remove the cluase .	Agree	
10	2D. Technical Specification of ANPR Camera, Point no -6	2D. Technical Specification of ANPR Camera, Point no -6	Lens CS mountable, fixed iris, 6mm prime lens	Requesting to modify this cluase as 10 to 50 mm for accuracy & result so kindly amend this cluase with motorized lense . For Allow the maximum Oem for Bid.	Agree	
TP SOUTHERN ODISHA DISTRIBUTION LIMITED, BERHAMPUR , Doc. No SC-SSS-1						Agree
S.No	Page No. in the Tender	Clause No:	Particulars of the query / clarification	Remarks		

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3	Page No.22, Point No -24	1A. Network Dome Camera	Resolution 30 fps @ 2880x1616 or better	Higher resolution cameras (like 2K or 4K) capture more pixels, resulting in sharper, clearer images compared to lower resolutions like 4MP or 5MP. This is particularly important for identifying faces, license plates, and other crucial details, especially in situations where identifying individuals is critical. When zooming in on specific areas, higher resolution cameras maintain image clarity, preventing pixelation and blurriness that can occur with lower resolution cameras. This allows for a more focused and detailed examination of captured footage. Please amend 4MP or Better Camera.	Adhere to specification	
4	Page No.22, Point No -22	1A. Network Dome Camera	Video Frame Rate Main Stream: 30fps @2880x1616, 2688x1512, 2560x1440, 1920x1080, 1600x904, 1360x768, 1280x720, 640x360 (16:9) 2nd Stream: 30fps @1920x1080, 1600x904, 1360x768, 1280x720, 640x360 (16:9) 3rd Stream: 30 fps @ 1280x720, 640x360, 480x272 (16:9)	Higher resolution cameras (like 2K or 4K) capture more pixels, resulting in sharper, clearer images compared to lower resolutions like 4MP or 5MP. This is particularly important for identifying faces, license plates, and other crucial details, especially in situations where identifying individuals is critical. When zooming in on specific areas, higher resolution cameras maintain image clarity, preventing pixelation and blurriness that can occur with lower resolution cameras. This allows for a more focused and detailed examination of captured footage. Please amend Main stream: Main stream: 4MP (2688 × 1520)@1-20 fps/ (2560×1440)1-25/30fps Sub stream 1: D1@1-25/30 fps; Sub stream 2: D1@1-25/30 fps; Sub stream 3: D1@1fps	Accepted.	
5	Page No.22, Point No -26	1A. Network Dome Camera	Video Bit Rate H.264: 3 kbps-8192 kbps H.265: 3 kbps-8192 kbps	H.265: 3 kbps-6144 kbps, H.264: 8 kbps-6144 kbps is Standard Bit rate Follow by all OEM's.	Accepted	
6	Page No.24, Point No -2	1B. Network Bullet Camera	Max. Resolution 2560x1920 (5MP)	Higher resolution cameras (like 2K or 4K) capture more pixels, resulting in sharper, clearer images compared to lower resolutions like 4MP or 5MP. This is particularly important for identifying faces, license plates, and other crucial details, especially in situations where identifying individuals is critical. When zooming in on specific areas, higher resolution cameras maintain image clarity, preventing pixelation and blurriness that can occur with lower resolution cameras. This allows for a more focused and detailed examination of captured footage. Please amend 4MP or Better Camera.	Accepted	
7	Page No.24, Point No -3	1B. Network Bullet Camera	ROM 4 GB	It's single OEM Specific specification basically thus requesting you remove this clause . 128MB is ROM followed by all OEM's.	Adhere to specification	
8	Page No.24, Point No -4	1B. Network Bullet Camera	RAM 1 GB	It's single OEM Specific specification basically thus requesting you remove this clause . 512MB is standard RAM followed by all OEM's.	Adhere to specification	
9	Page No.24, Point No -16	1B. Network Bullet Camera	IVS Intrusion, tripwire, loitering detection, people gathering	STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards. Please remove this Clause or IVS by VMS Software.	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	

10	Page No.24, Point No -17	1B. Network Bullet Camera	Smart Object Detection Abandoned object; Missing object	STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
11	Page No.24, Point No -41	1B. Network Bullet Camera	Interoperability ONVIF G,S,T & M	Onvif Profile S,G& T is standard Onvif Profile followed by all OEM's.	Accepted	
12	Page No.36, Point No -14	1H. 32 Channel Network Video Recorder (NVR)	Record Interval 1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec	Record Interval 1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec is standard Record Interval followed by all OEM's.	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec and 1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec , Both are acceptable	
13	Page No.37, Point No -21	1H. 32 Channel Network Video Recorder (NVR)	Interface 4 RJ-45 Ports (10/100/1000Mbps)	2 Ethernet Port in NVR is standard Ethernet Port followed by all OEM's.	Agree	
14	Page No.37, Point No -22	1H. 32 Channel Network Video Recorder (NVR)	Ethernet Port 4 Ethernet Ports Joint Working or 4 Independent 1000Mbps Ethernet Ports	2 Ethernet Port in NVR is standard Ethernet Port followed by all OEM's.	2 port acceptable but the ports must work Joint or independent	
15	Page No.37, Point No -14	1I. 64 Channel Network Video Recorder (NVR)	Record Interval 1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec	Record Interval 1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec is standard Record Interval followed by all OEM's.	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec and 1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec , Both are acceptable	
16	Page No.37, Point No -21	1I. 64 Channel Network Video Recorder (NVR)	Interface 4 RJ-45 Ports (10/100/1000Mbps)	2 Ethernet Port in NVR is standard Ethernet Port followed by all OEM's.	Agree	
17	Page No.37 , Point No-22	1I. 64 Channel Network Video Recorder (NVR)	Ethernet Port 4 Ethernet Ports Joint Working or 4 Independent 1000Mbps Ethernet Ports	2 Ethernet Port in NVR is standard Ethernet Port followed by all OEM's.	2 port acceptable but the ports must work Joint or independent	
18	Page No.48 , Point No-6	2D. Technical Specification of ANPR Camera	Lens CS mountable, fixed iris, 6mm prime lens	Requesting to modify this clause as 10 to 50 mm for accuracy & result so kindly amend this clause with motorized lense . For Allow the maximum Oem for Bid.	Agree	
19	Page No.50 , Point No-7	2E. Technical Specification of PTZ Camera	Electronic Shutter 1/5s ~ 1 / 100,000 s	1/1 ~1/30,000 s is standard Electronic Shutter Speed followed by all OEM's.	Both are acceptable	
20	Page No.50 , Point No-29	2E. Technical Specification of PTZ Camera	Edge Video Content Analytics Intrusion detection, Loitering detection, Line crossing detection, Face detection, Unattended object detection, Missing object detection, SoC with built-in hardware deep learning accelerator, Object Detection [People, Vehicle (4-wheeled, 2-wheeled)], Attribute Extraction [People (gender, clothing colour, bag, hat), Vehicle (bike, bus, car, motorcycle, truck, colour), Re-Search Extraction, Path Extraction	STQC (Standardization Testing and Quality Certification) certification for CCTV cameras primarily focuses on cybersecurity and physical security aspects, not necessarily AI capabilities. While AI is becoming increasingly important in surveillance, STQC's current emphasis is on ensuring cameras are secure, reliable, and compliant with Indian standards.Please remove this Clause or IVS by VMS Software.	Edge Video Content Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	
21	Page No.50 , Point No-44	2E. Technical Specification of PTZ Camera	Compatibility ONVIF profile S , G , T & M	Onvif Profile S,G& T is standard Onvif Profile followed by all OEM's	Without BNC is acceptable	
22	Page No.49 , Point No-6	2E. Technical Specification of PTZ Camera	Zoom 40 X optical Zoom, 32 X Digital Zoom, Auto Pan mode	Optical Zoom 45X and 16X Digital Zoom is standard Optical and Digital Zoom followed by all OEM's.	Agree	
23	Additional Point	Critiarea	Additional Point	CCTV Camera OEM should be fulltime member of ONVIF and quoted Camera models should be listed on ONVIF official website (All the certifications & Credentials should be valid on the date of technical evaluation).	Adhere to specification	
24	Additional Point	Critiarea	Additional Point	The Camera OEM should comply to General Data Protection Regulation (GDPR) & Waste Electrical and Electronic Equipment (WEEE) . OEM should have valid EPR (Extended Producer Responsibility License/ Authorization No. from Central Pollution Control Board for Electrical & Electronic Equipment E-Waste. OEM need to submit its certificate with technical bid.	Adhere to specification	
25	Additional Point	Critiarea	Additional Point	CCTV OEM should have manufacturing in India since last Five years and Foreign CCTV OEM should have manufacturing unit globally from last 10 Years. (Documentary evidence should be submitted).	Adhere to specification	

2	1	4	Earnest Money Deposit (EMD) Exemption	As per tender conditions, EMD exemption is allowed only for MSME registered in the State of Odisha. We request clarification/consideration to extend this exemption to valid MSME certificates issued in other States as well, and not restrict it only to Odisha.	Tender Clause remains same.	
3	1	4	Reservation for MSME	As per tender conditions, 20% procurement is reserved for MSMEs registered in the State of Odisha. We request clarification/consideration that such reservation should not be restricted only to Odisha MSMEs, but extended to MSMEs registered across all States, subject to meeting technical and quality requirements.	Tender Clause remains same.	
4	1	4	Performance Bank Guarantee (PBG) Relaxation	As per tender conditions, the Performance Bank Guarantee (PBG) for MSMEs registered in Odisha is prescribed at 25% of the normal value. We request clarification/consideration to extend this benefit to all MSMEs registered across India, and not restrict it only to Odisha MSMEs.	Tender Clause remains same.	
5		9	registered with DISCOM	Bidder Have to registered with DISCOM .Please confirm	Tender Clause remains same.	
6		9	Factory Inspection	Please Clarify the process.	Shall intimate during TER - if required.	
7		6 Specification of Security Surveillance	Existing VMS	We understand that the existing VMS deployed is from Vehant. Kindly clarify whether integration with the existing Vehant VMS is required under the present scope of work, or if a new integration is to be carried out separately.	Go through the tender	
4	12	Design requirements of Video Management System (VMS) & Video Analytics Platform	6. Camera shall be provided for monitoring, recording and alert generation for c. Server based Face recognition software license for min 100 people/camera with the system	Referring to Clause 15.1 Bill of Material (BOM) for Part-A: Surveillance System for Additional 40 PSS, it is mentioned under item 6. that a License for Video Analytics Software for Face Recognition for 50 people is required for 40 cameras. However, on page 12, it appears that a Server-based Face Recognition Software License for a minimum of 100 people per camera is specified. Kindly confirm the exact license requirement.	The current requirement is for a license covering 50 people. However, the software must have the technical capability to support a minimum of 100 people per camera to allow for future scalability.	
5	12	Design requirements of Video Management System (VMS) & Video Analytics Platform	12. NVR/LPU at each PSS shall store the video feed recording data for 30 days and the VA system at Security Control Room/PSS LPU shall store the data and alerts for 30 days.	Kindly confirm the exact number of days of recording required, so that the appropriate storage capacity can be proposed.	The scope of work and detailed design are clearly defined in the tender specification document.	
	4	1.2.2 Part-B: Surveillance for CRC Locations	A minimum of 90 days local storage (with appropriate memory backup/NVR solution) for video recording must be ensured.			
6	13	Part-B: Surveillance for CRC Locations	5. The system shall support 24x7 recording with a minimum of 30 days storage capacity.			
7	14	Part-C: Surveillance for Open-Space Stores	2. The video feed from all cameras shall be recorded continuously on an NVR with minimum 180 days of storage capacity.			
	25	1C. Functional Requirement Specification for Video Management Software (VMS) License	4. Should record H.264 / H.265, MPEG4 or MJPEG in at minimum 25 fps at minimum Full HD (1080p) resolution for 30 days			
8	25		The VMS license shall be able to get integrated with existing VMS central Software platform and shall be Scalable, Client Server based, Enterprise level capable to integrate new as well as exiting IP camera of any make model in the VMS system. It shall be capable to expand by adding additional camera license and server in the same VMS platform.	Kindly please read as: The VMS license shall be able to get integrated with existing/ newly replaced VMS central Software platform and shall be Scalable, Client Server based, Enterprise level capable to integrate new as well as exiting IP camera of any make model in the VMS system. It shall be capable to expand by adding additional camera license and server in the same/ newly replaced VMS platform.	Agree	
9	25		3. The OEM shall have existing ONVIF membership for open integration with 3rd party system / devises integration to meet project objective and functionality.	Kindly please read as: 3. The OEM shall have existing ONVIF full membership for open integration with 3rd party system / devises integration to meet project objective and functionality.	Adhere to specification	

11	25	1C. Functional Requirement Specification for Video Management Software (VMS) License	25 Live View possible for upto 144 live videos and upto 64 playback videos simultaneously on 1 screen or multiple monitors using software video wall.	Kindly please read as: 25 Live View possible for upto 110 live videos and upto 64 playback videos simultaneously on 1 screen or multiple monitors using software video wall.	Agree	
12	27		22 VMS software should have the Encryption algorithm of 1024 / 096-bit RSA and hashing of SHA -512 for tamper proof data. VMS OEM must be CMMI Level-3 certified and listed on www.cmmiinstitute.com	Request you kindly remove this clause as this CMMI Level-3 certificate will restrict many OEMs/Bidder to participate.	Adhere to specification	
13	28		55 Should support multiple brand IP camera, encoders and DVRs. No restriction on camera hardware. VMS OEM must have presence in India for last 5 years.	Kindly please read as: 55 Should support multiple brand IP camera, encoders and DVRs. No restriction on camera hardware. VMS OEM must have presence in India and should be VMS business for last 5 years.	Adhere to specification	
14	28		56 Should support ONVIF protocol including Profile-S, G & T.	Kindly please read as: 56 Should support ONVIF protocol including Profile-S, G, M & T.	Adhere to specification	
17	29	1E. Functional Requirement Specifications for Artificial Intelligence Based Video Analytics Platform	Single Unified System Unified AI Based Video Platform - The existing unified AI-based video analytics platform shall be seamless integrated with any OnVif compliant IP Camera (existing/new both) and additional VA licenses in existing Video Analytics Platform.	Kindly please read as: Single Unified System Unified AI Based Video Platform - The existing/ newly replaced unified AI-based video analytics platform shall be seamless integrated with any OnVIF compliant IP Camera (existing/new both) and additional VA licenses in existing Video Analytics Platform.	Accepted.	
19	30					
20	31		Alert Monitoring Attribute-based search: Advanced search options will be available to filter results based on object attributes like colour, clothing, gender, and object classification.		Adhere to specification	
21	33		Rule Management The system shall allow users creation and save a set of filters called rule by combining conditions, for example, Object type (Person, Animal), Gender (Male, Female), Clothing (Upper body, Lower body, Colour), and/or Accessories (Handbag, Backpack, Baggage). This ensure a for quick and easy filtering instead of setting individual values each time.	Kindly please confirm the number of Attribute Search license required for Video Analytics OEM	Adhere to specification	
23	34		VehicleDetection The Central VA platform shall be capable to detect and capture the images of vehicle entering at the PSS premise in the selected camera filed of view(FoV)	Kindly please confirm the number of Vehicle Detection license required for Video Analytics OEM	Adhere to specification	
1	Tender Documents_CCTV	Page No. 7 of 41	2.0 Pre- Qualification Criteria	Request to add VMS & VA platform OEM pre-qualification criteria for quality participation. "The quoted VA & VMS platform OEM must have an annual turnover of at least ₹30 Crore"	Adhere to specification	
2	Specifications of Security Surveillance System Phase-2_RO	Page No. 4 of 56	1. Adherence to Technical Specifications of one of the Following Options: B. Option 2:	To Utilise Existing infra whether Switch, Camera, VMS & Video Analytics platform in best possible way Hence we request to remove Option 2 Point from the specification	Adhere to specification	

3	Tender Documents_CCTV	Page No. 19 of 41	13.0 Post Award Contract Administration 5. Delivery Period:	Request to extend the delivery period, as hardware such as LPU/Workstations have a minimum delivery timeline of 4-6 weeks. Therefore we request you to amend the clause of Delivery period as mention below- For TPCODL, TPSODL & TPNODL - The devices should be delivered within Six (6) weeks from order issuance date and installation of the same should be done in Four (04) weeks from the date of intimation. (Client will intimate date to bidder for installation of equipment's).		
4	Tender Documents_CCTV	Page No. 7 of 41	2.0 Pre- Qualification Criteria	For quality OEM participation request to add below Pre-qualification- "VMS & VA OEM must have R&D facility in India with minimum 50 technical resources on direct payroll . Evidence of EPF to be submitted"	Tender Clause remains same.	
5	General Query			We request to include : Bidder must supply Integrated Master Platform for VA & VMS application at corporate Office for all discom for VMS & VA central Platform free of cost. Network Bandwidth(MPLS) shall be provided by purchaser.	Adhere to specification	
6	TPWODL- Bill of Quantity	Request to amend		We request to include a common BOQ & common specification of components for all Discom including TPWODL Discom as well. Component not needed at any Discom may be referred as 0 or 1 quantity for price discovery and binding on bidder to supply on same price if needed in two years. This will help TPWODL in future requirements to have better price and immediate implementation of associated components.	Adhere to specification	
7	TPNODL,TPCODL,TPSODL	General Query		To utilize the existing infrastructure, including switches, cameras, and video analytics in the best possible way, we request to add a clause in the RFP for integration with the existing solutions of cameras, VMS, and VA	Adhere to specification	
8	TPNODL,TPCODL,TPSODL	General Query		API and SDK of the Camera & NVR shall be provided by the camera OEM to ensure openness and flexibility for integration with existing VMS/VA platform	Adhere to specification	
9	TPNODL,TPCODL,TPSODL	S.NO. 14 TECHNICAL PARTICULARS	Request to amend	In the tender, licenses for Server based Video Analytics are specified in the BOQ; therefore, edge analytics on cameras will not be utilized. Hence, we request the removal of the analytics use cases from the camera specifications	Adhere to specification	
10	TPNODL,TPCODL,TPSODL	S.NO. 14 TECHNICAL PARTICULARS	Request to amend	In the tender, licenses for Server based Video Analytics are specified in the BOQ; therefore, edge analytics on NVRs/cameras will not be utilized. Accordingly, we request the removal of the 'AI by NVR' and 'AI by Camera' requirements from the NVR specifications	Analytics is mandatory. If it is performed through VMS or VA, the processing must occur locally and only the pictures and videos of the events and alerts should be transmitted to the central VA for remote monitoring, ensuring no extra bandwidth is required.	

1	7	2.0 Pre- Qualification Criteria A 1.c	The Bidder shall be either manufacturer of critical components or shall be a manufacturer's authorised system integrator of the Security surveillance system specified in this document. In latter case, the bidder shall give backup guarantee from the OEM for support and satisfactory performance as specified in this document. Cameras and NVR should be Make in India compliant with STQC and BIS certified.-Kindly confirm if OEM & System Integrator both are allowed to bid in the tender		Yes	
2	7	2.0 Pre- Qualification Criteria A 1.d	The bidder / OEM should have implemented Security surveillance system of similar type and complexity at 5 nos. industrial, commercial (at least one power utility) sites at least in the last 7 years including integration with third party systems such as video management system, command & control, various field devices, etc. and shall be in continuous trouble-free operation for at least last 1 year.		No	
3	7	2.0 Pre- Qualification Criteria A 1.e	Bidder /OEM must have experience to deploy IP based CCTV Surveillance System with minimum 250 nos. IP cameras in a Server/VMS based system in a single order in last seven years. Copy of Work Order and Copy of Completion Certificate / Final Acceptance Test Certificate from the client are to be submitted. - Request to make the camera nos. to 200 IP cameras		Agree	
4	8	2.0 Pre- Qualification Criteria A 1.f	For future expansion, the surveillance system should be independent of camera make and shall support at least 10 different makes of camera. (List of Supported Camera Makes to be submitted by the bidder) and OEM declaration is required for the same. g) Bidders /OEM must have - For this we would suggest to take Open Platform VMS		Adhere to specification	
5	8	2.0 Pre- Qualification Criteria A 1.f	Bidders /OEM must have manufacturing facilities Manufacturing capacity, details of works executed. Details of plant and machinery, manufacturing and testing facilities - This clause should be applicable of OEM's		Agree, Bidders must include required OEM documentation.	
6	8	2.0 Pre- Qualification Criteria A 1.h	CCTV OEM should have direct presence in India since last 5 Years. Documentary evidence to be submitted. Bidder shall have the capability to integrate the new Security Surveillance system being offered. He must have Service centre in Bhubaneswar. The manufacturing facility must be in India since last 5 years. - Request to give relaxation on no. of years for facility in India as post STQC regulation all OEM's are setting up the manufacturing facility in India		Tender Clause will remain same.	
	1	Page 9(Document name-	2.0 Pre- Qualification Criteria, B-Financial Pre-Qualification Requirements , 2 (Experience)	a) The bidder should have completion of cumulative orders of Rs. 6 Cr. for similar types of CCTV and surveillance system works during the last 5 years. Copy of work order to be submitted in this regard.	Requesting main clause to be amended as "a) The bidder should have completion of cumulative orders of Rs. 6 Cr. for similar types of CCTV and surveillance system works or any IT/ITES Works during the last 5 years. Copy of work order to be submitted in this regard."	The bidder should have completion of cumulative orders of Rs. 6 Cr. for similar types of CCTV or surveillance system works including LAN/WAN Networking during the last 5 years. Copy of work order to be submitted in this regard.

2	Page-1(Document name- - spec)	1. IP BULLET CAMERA IR 60 MTRS	4MP(1/3" 4 MP PS CMOS Image Sensor, Max. 4MP (2560 x 1440) @25/30 fps, and 4MP (2688 X 1520) @ 20 fps, H.265 +/H.264+ dual stream encoding, WDR(120 dB), Day / Night (ICR), 3D - DNR, ROI, AWB, AGC, BLC, HLC, 3.6mm fixed lens (2.8 mm optional) IR Range of 60 Mtrs, IP67, Poe, Mobile Software : Android and I phone supported. The device should be supported CMS software and must have STQC certification	Request : Requesting your kind attention to amend the CCTV specifications as outlined below . Kindly remove the following points, as they pertain to NVR parameters and are not relevant to the CCTV hardware specifications: - Mobile Software : Android and I phone supported. - The device should be supported CMS software and must have STQC certification Justification : The proposed changes are intended to ensure the specifications are more appropriate and justified, aiming to deliver better performance and operational efficiency. CCTV SPECIFICATION : IP BULLET CAMERA IR 60 MTRS 1. 5MP (2560 X 1920), Motorized V/F IR Bullet Camera. 2. Image Sensor: 1/2.8" Progressive Scan CMOS Sensor. 3. Focal Length : 2.7mm to 13.5mm, P-Iris 4. Triple streams (H.265 / H.265 / MJPEG) 5. Up to 60m IR or better 6. True Day Night (TDN) with automatic removable cut filter 7. True WDR, 120dB 8. Audio Communication: Bi-directional audio (2-way), 1IN/1OUT 9. ONVIF Profile S, G, T & M 10. Alarm IN x 1, Alarm OUT x 1 11. PoE & 12VDC support power supply failover 12. Built-in micro SD card slot, up to 1TB (Encrypted Storage) 13. IP67, IK10 & NEMA 4X 14. CE, FCC, UL & BIS	STQC is mandatory however rest of the suggested specification is acceptable
3	Page-1(Document name- - spec)	2. IP DOME CAMERA IR 30 MTRS	(1/3" 4MP PS CMOS Image Sensor, Max 4 MP (2560 X 1440)@25/30fps and 4MP (2688 X 1520) @20 fps, H.265+ and H.264+ dual stream encoding, WDR(120dB), Day/Night (ICR), 3D-DNR, ROI, AWB, AGC, BLC, HLC, 3.6mm fixed lens (2.8mm optional), IR Range of 30 Mtrs, IP67, POE, Mobile Software : Android and I phone supported. The device should be supported CMS software and must have STQC certification	Request : Requesting your kind attention to amend the CCTV specifications as outlined below . Kindly remove the following points, as they pertain to NVR parameters and are not relevant to the CCTV hardware specifications: - Mobile Software : Android and I phone supported. - The device should be supported CMS software and must have STQC certification Justification : The proposed changes are intended to ensure the specifications are more appropriate and justified, aiming to deliver better performance and operational efficiency. CCTV SPECIFICATION : IP DOME CAMERA IR 30 MTRS 1. 5MP (2560 X 1920), Motorized V/F IR Dome Camera. 2. Image Sensor: 1/2.8" Progressive Scan CMOS Sensor. 3. Focal Length : 2.7mm to 13.5mm, P-Iris 4. Triple streams (H.265 / H.265 / MJPEG) 5. Up to 30m IR or better 6. True Day Night (TDN) with automatic removable cut filter 7. True WDR, 120dB 8. Audio Communication: Bi-directional audio (2-way), 1IN/1OUT 9. ONVIF Profile S, G, T & M 10. Alarm IN x 1, Alarm OUT x 1 11. PoE & 12VDC support power supply failover 12. Built-in micro SD card slot, up to 1TB (Encrypted Storage) 13. IP67, IK10 & NEMA 4X 14. CE, FCC, UL & BIS	STQC is mandatory however rest of the suggested specification is acceptable

	4	Page-1(Document name - spec)	3. 8 CHANNEL NVR	Support 8 Channel IP camera input, Max 80Mbps Network Bandwidth, Smart H.265 +/-H.265/Smart H.264+/ H.264 codec decoding, Up to 8MP resolution preview and playback, support 1 SATA HDDs up to 8TB , 2 USB Ports,(USB 2.0), VGA / HDMI simultaneous video output,maximum resolution of HDMI is 1080P,support multi-brand network cameras, ONVIF version conformance, Mobile Software : CMS software should be available,	Request : Requesting your kind attention to amend the specifications as outlined below . Justification : The proposed changes are intended to ensure the specifications are more appropriate and justified, aiming to deliver better performance and operational efficiency. NVR SPECIFICATION : 12- CHANNEL NVR - Channels Supported: 12 channels IP input - Embedded OS: Linux-based - Storage Capacity Upto 144TB ; HDD Interface 8 X SATA @ 18TB each Hard Disk - RAID 0 / 1 / 5 / 10 supported - Network Bandwidth : 512Mbps / 512Mbps (Incoming / Outgoing) - Monitor Output : HDMI 2.0 X 1 (Main) - LAN: 2 X RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface - USB : 2 X USB 2.0, 1 X USB 3.0 - Alarm IN x 2, Alarm OUT x 1 - Factory Reset Button : Yes - ONVIFS - Certification : BIS, CE & FCC - CMS software should be available - Mobile Connection : iOS / Android - Supports upto 12MP Resolution - H.265 / H.264 / MJPEG Compression Technique - NVR Native Client and Local Client for connecting multiple NVRs	Refer to the original NVR requirement, suggested configuraiton is not acceptable
	5	Page-50(Document name-SLA, SOW, TS & BOM) Or Page-48(Document name-Specifications of Security Surveillance System Phase-2_R0)	2C. Outdoor Junction Box	2C. Outdoor Junction Box	Please clarify the Mounting Rail with mounting Channels and how many U required for this JB. (If applicable)	Specification of outdoor junction box is mentioned in the RFP , However the dimension of the junction box should be 600H x 400W x 300D, 12 U rack space required.
	6	Page-22(Document name-SLA, SOW, TS & BOM)	ANNEXURE I Price Schedule for Rate contract for CCTV Installation Work at Stores and PSS	Laying of OFC, Power cable& Cat-6 Cable through the Pipe with installation attributes	Laying standard is not mentioned for Quantity for PSS is 15000 Mtr, Quantity for Store and Office location is 7760 Mtr. Please Clarify any standard procedure follow by Tata power. Is there any specific standard for OFC	The required cable should be supplied and laid as per the attached specification with RFP.
	7	Page-22(Document name-SLA, SOW, TS & BOM)	Installation, testing and commissioning of Control center as well as at Data Centre	Installation, testing and commissioning of Control center as well as at Data Centre	If there are any active and passive layout architectures, pls share	All the architecture required document can be shared with the successful bidder after successful POC of the solution.
	1	TPWODL CCTV PSS location excel file: OEM Qualification criteria	BA should have executed any project of minimum 100 cameras along with 30 switches either in single order or multiple different orders	please change class as BA/OEM should have executed any project of minimum 100 cameras along with 30 switches either in single order or multiple different orders	This is the minimum qualification criteria to execute the project.Thus it can not be changed.	
	2	TPWODL CCTV PSS location Technical specification IP BULLET CAMERA IR 60 MTRS	IR Range of 60 Mtrs	Request to change the clause as IR Range 50 mtrs	Based on the geographical layout of different PSS, a bullet camera with at least 60-meter IR range is necessary. Hence, the specification is fixed and cannot be modified	
	3	TPWODL CCTV PSS location Technical specification 8 Channel NVR	The device must be have STQC Certification	STQC certification for NVRs is not feasible, as currently no OEM offers NVRs with STQC certification. We therefore request you to kindly remove or revise this clause to enable fair participation and realistic compliance by all bidders.	As per MeitY regulations, the OEM must have STQC certification for surveillance systems due to security concerns. TPWODL operates under OERC guidelines ,thus this requirement is mandatory and cannot be omitted	

		Page no: 7 of :B Financial Pre-Qualification Requirements point 02:	Experience: a) The bidder should have completion of cumulative orders of Rs. 6 Cr. for similar types of CCTV and surveillance system works during the last 5 years. Copy of work order to be submitted in this regard.	Requesting to change the clause as: a) The bidder should have completion of cumulative orders of Rs. 6 Cr. for similar types of works during the last 5 years. Copy of work order to be submitted in this regard. Definition of Similar Work shall be as follows: Successful supply, installation, commissioning and maintenance of CCTV Surveillance System or LAN/WAN Networking / any IT Infrastructure involving CCTV Surveillance System or Smart City Projects, or a combination of any of these. Justification: Since approximately 10% of the total project cost pertains to CCTV components and the majority scope relates to Networking, expanding the definition of "similar work" to include networking, IT infrastructure, and smart city projects will ensure wider participation of relevant and experienced bidders. This will not only attract more competitive bids but also enhance the overall quality of project implementation.	The bidder should have completion of cumulative orders of Rs. 6 Cr. for similar types of CCTV or surveillance system works including LAN/WAN Networking during the last 5 years. Copy of work order to be submitted in this regard.	
		TPWODL CCTV PSS location excel file: OEM Qualification criteria	BA should have executed any project of minimum 100 cameras along with 30 switches either in single order or multiple different orders	please change the clause as BA/OEM should have executed any project of minimum 100 cameras along with 30 switches either in single order or multiple different orders	Accepted but for the bidder should have completion of cumulative orders of Rs. 6 Cr. for similar types of CCTV or surveillance system works including LAN/WAN Networking during the last 5 years. Copy of work order to be submitted in this regard.	
		Page No: 37 of Technical specification of I.J: 8 port Switch: point 06	Power Supply: AC 120V- 260V, DC 12V-72V	Kindly make it as power supply Support Dual DC	Tender Clause Stands	
		Page No: 38 of Technical specification of I.J: 12 port POE Gigabit Switch: point 06	PoE Standard: IEEE802.3af, IEEE802.3at, Hi-PoE, IEEE802.3bt	kindly remove the clause	Tender Clause Stands	
		Page No: 38 of Technical specification of I.J: 12 port POE Gigabit Switch: point 17	PoE Pin Assignment: PoE/Hi-PoE: 1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-)	kindly make it as Pin Support only POE and POE+ standard	Accepted	
		Page No: 38 of Technical specification of I.J: 12 port POE Gigabit Switch: point 17	Certificate: FCC, DOT approved & TTP Listed	kindly Remove the certification & make it as TEC certified.	Tender Clause Stands	
		Page:22 of Technical specification Annexure-1 price schedule for rate contract: sl 03- wall mount Rack	wall mount Rack-make: Netrack/legrand/Valrack	kindly add wall mount rack make should be Netrack/legrand/Valrack/Tata Trinox/Schneider	The clause can be read as " wall mount Rack-make: Netrack/legrand/Valrack/Tata Trinox/Schneider "	
		Page no:46 of Technical Specification for 3 kva online UPS System with 60 mint battery backup, point:01	Capacity (in kVA / kW): 3kVA/2.7kW 1-Phase Input / 1-Phase Output with IGBT Rectifier with Inbuilt Battery	Request to Kindly accept the capacity as 3kVA/2.4kW	The clause can be read as " Capacity (in kVA / kW): 3kVA/2.2kW or higher 1-Phase Input / 1-Phase Output with IGBT Rectifier with Inbuilt Battery"	
		Page no:46 of Technical Specification for 3 kva online UPS System with 60 mint battery backup point:02	Input Voltage Range: 110-280VAC	Request to change the clause as 160 / 140 / 120 / 110 VAC $\pm$ 5% (based on load percentage 100% - 80% / 80% - 70% / 70% - 60% / 60% - 0) 280 VAC $\pm$ 5%	Tender Clause Stands	

		Page no:46 of Technical Specification for 3 kva online UPS System with 60 mint battery backup point:03	Efficiency(Min): 88%	consider it as 90%	Any additional feature which is higher side is welcomed however the tender clause remain unchanged	
		Additional clause for 3 kva UPS	Battery AH: 6x9AH	kindly add the clause additionally	Tender Clause Stands. If you want some additional feature may do the same.	
		Page no:46 of Technical Specification for 3 kva online UPS System with 60 mint battery backup point:10	RS485 Port & SNMP enabled	Kindly change to RS232/USB & SNMP	Tender Clause Stands. If you want some additional feature may do the same.	
		Page no:46 of Technical Specification for 3 kva online UPS System with 60 mint battery backup point:11	Protocol:Modbus	Change it to SNMP	The clause can be read as "Protocol:Modbus/SNMP "	
		Page no:46 of Technical Specification for 3 kva online UPS System with 60 mint battery backup point:11	Backup Required: 60 min	30 mins for 600W load	Tender Clause Stands	
		Page no:46 of Technical Specification for 3 kva online UPS System with 60 mint battery backup point:17	ISO 45001: 2018 Factory calibration lab of manufacturer shall be NABL accredited in India	NABL part should be removed	Tender Clause Stands, Any additional Certification is accepted	
		Page no:46 of Technical Specification for 3 kva online UPS System with 60 mint battery backup point:19	Enclosure:17U, Floor standing, purpurate, with fittings/accessories, UPS and Batteries shall be kept in separate floor mount Rack	Kindly consider it as UPS - Floor Mount Dimension 419 x 190 x 318 DxWxH mm	Tender Clause Stands	
		Page no:50 of Technical Specification of functinal requireement specification of VMS License point no:1	The Offered VMS Software license should be ONVIF (S,G,T and M) Compliant. The Declaration of ONVIF shall be available on ONVIF Official Website www.onvif.org in the Conformant Devices. VMS OEM to Submit a Valid Certificate to Substantiate the Proof.	1.The VMS should be ONVIF compliant with support for profiles S, G, T and M to ensure interoperability with any camera brand. Proposed software OEM should have full membership of ONVIF to ensure prompt upgradation and developments of ONVIF parameters. The information should be available on the ONVIF website for verification	Any additional feature which is higher side is welcomed however the tender clause remain unchanged	
		Page no:50 of Technical Specification of functinal requireement specification of VMS License point no:2	The OEM shall have existing ONVIF membership for open integration with 3rd party system / devises integration to meet project objective and functionality.	2.The VMS shall be operating system-agnostic and compatible with Microsoft Windows, Unix, and Linux Operating Systems. It shall also support virtualization on all the leading virtualization platforms. Furthermore, the VMS shall be able to work with multiple Database Servers, including Microsoft SQL, MySQL, PostgreSQL, and Oracle.	Any additional feature which is higher side is welcomed however the tender clause remain unchanged	
		Page no:50 of Technical Sp	VMS OEM should have ISO latest certificates: ISO 9001:2015, ISO- 27001, ISO 14001:2015, ISO/IEC 20000-1:2018, ISO/IEC 27001:2013, ISO 45001:2018	4.The VMS OEM should be in existence in India since last 15 years. The OEM should have at least the following certificates: ISO 9001, 27001, ISO 27017, 14001 and CMMI Level 3.Also add 5.The offered VMS must be cyber security certified with FIPS-140-2 encryption from Indian body for mitigating cyber security risk. The FIPS 140-2 Certification should be done on or before the Bid Publishing Date. A Valid Certificate for FIPS 140-2 for the VMS Application to be Submitted as Proof. "Applied for" Certification is not acceptable.	Any additional feature which is higher side is welcomed however the tender clause remain unchanged	

		Page no:50 of Technical Specification of functional requireement specification of VMS License point no	7.The VMS Software must be STQC certified.	Kindly make the clause as OEM “Applied for STQC Certifi	Tender Clause Stands	
			General Points	On TPWODL BOM.	1.There are 5 years of comprehensive onsite warranty of all the product & equipment which also include spare parts. 2.BA should maintain minimum of 1% of spare of the equipment to maintain the agreed SLA.	