



TP Central Odisha Distribution Limited



TP Northern Odisha Distribution Limited



TP Southern Odisha Distribution Limited



TP Western Odisha Distribution Limited

CENTRALIZED CONTRACTS GROUP

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

Corrigendum No. – II

Dt.: 11.09.2025

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 and time of receipt of Bids – 10.09.2025, 18:00 Hours	<i>Revised timeline 16.09.2025.</i>
<i>Corrigendum -2 attached For further considerations.</i>	

NOTE : All Other Terms & Conditions of the tender shall remain unchanged as per NIT document, GCCs and Pre-bid replies .

Approved By,

Sd/-

(Head – Centralized Contracts Group)

TPCODL & TPNODL						
Network Bullet Camera						
Sr.No.	Feature	Specification	Compliance Yes / No	Suggestion	Remarks	Discoms' Reply
Camera						
2	Max. Resolution	2560x1920 (5MP)	Partial	2688 × 1520	As per RFP you said change the 4MP resolution or higher , So kindly change the resolution of 4MP as we suggest . OEM Recomandation : 2688 * 1520 .	This is acceptable as well
3	ROM	1GB	Partial	128MB	The ROM in a CCTV camera is a non-volatile memory that stores the camera's firmware and operating system, which cannot be changed by the user. While a camera's internal ROM also exists, a 128MB ROM is less commonly advertised as it's primarily for the device's core functions.	This is acceptable as well
4	RAM	512MB	Partial	128MB	The camera's RAM is used for temporary data storage, allowing the device to run its operating system with Log generation report , So it's sufficient to 128MB RAM for this camera's.	This is acceptable as well
22	Video Frame Rate	Main stream:	Partial			
		30fps@2560x1920,2048x1536,1920x1440,1600x1200,1280x960,800x600,640x480 (4:3)		25fps@2688 × 1520,1920x1440,1600x1200,1280x960,800x600,640x480	As per RFP you said change the 4MP resolution or higher , So kindly change the resolution of 4MP as we suggest . OEM Recomandation : 2688 * 1520 .	This is acceptable as well
		Sub stream: 30fps @ 1920x1440, 1600x1200, 1280x960, 800x600, 640x480 (4:3		Sub stream :25fps@640 x 480,352 x 288,352 x 240, 704 × 576,704 × 480	It's single OEM Specific specification basically different OEM's has different resolution to match your requirement thus requesting you to remove or amend the cause as :- Sub stream :25fps@640 x 480,352 x 288,352 x 240, 704 × 576,704 × 480	This is acceptable as well
		Third Sub stream: 30fps @ 1280x960, 800x600, 640x480 (4:3);		Third Sub Stream:1fps@ 704 × 576,704 × 480	It's single OEM Specific specification basically different OEM's has different resolution to match your requirement thus requesting you to remove or amend the cause as :- Third Sub Stream:1fps@ 704 × 576,704 × 480	This is acceptable as well
24	Resolution	30 fps @ 2560x1920 (5MP)		25 fps@ 2688 × 1520 (4MP)	As per RFP you said change the 4MP resolution or higher , So kindly change the resolution of 4MP as we suggest . OEM Recomandation : 2688 * 1520 .	This is acceptable as well
Technical Specification of PTZ Camera						
Sr.No.	Feature	Specification	Compliance Yes / No	Suggestion	Remarks	Discoms' Reply

11	Simultaneous Stream	Minumum 2 streams should be configurable at 1920 X 1080p simultaneously	Partial	Main Stream should be configurable 1920 x 1080P	To achieve at least two streams at 1920x1080 (Full HD) for CCTV, you need cameras that support multi-streaming, allowing them to output multiple independent video feeds with different settings like resolution and frame rate. One stream (often the primary or "main stream") can be configured for high-resolution live viewing or recording at 1920x1080 resolution with a high frame rate, while a secondary or "sub-stream" can be set for live monitoring with a lower resolution and frame rate or even stored at a lower frame rate to save bandwidth and storage. OEM Suggestion : D1@1-25/30fps Sub stream 1: D1/VGA/CIF@25fps Sub stream 2: 720P@(1-25/30 fps).	Accepted
2D. Technical Specification of ANPR Camera						
Sr.No.	Feature	Specification	Compliance Yes / No	Suggestion	Remarks	Discoms' Reply
5	Lens	CS mountable, fixed iris, 5mm~50mm prime lens	Partial	10mm to 50mm	10mm to 50mm lens in a CCTV ANPR camera provides a variable field of view, allowing users to zoom in for a narrower, more detailed view of license plates (50mm) or widen the view for more general coverage (10mm). This versatility is beneficial for capturing clear, readable license plates from various distances, which is essential for accurate Automatic Number Plate Recognition (ANPR).	This is acceptable as well
TPSODL						
1B. Network Bullet Camera						
Sr.No.	Feature	Specification	Compliance Yes / No	Suggestion	Remarks	Discoms' Reply
	Camera					
2	Max. Resolution	2560x1920 (5MP)	Partial	2688 × 1520 (4MP)	As per RFP you said change the 4MP resolution or higher , So kindly change the resolution of 4MP as we suggest . OEM Recomandation : 2688 * 1520 .	This is acceptable as well

3	ROM	4GB	Partial	128MB	The ROM in a CCTV camera is a non-volatile memory that stores the camera's firmware and operating system, which cannot be changed by the user. While a camera's internal ROM also exists, a 128MB ROM is less commonly advertised as it's primarily for the device's core functions. "Generally OEMs have embedded ROM/RAM and This feature is OEM specific and which is not impact on perform and quality of camera video. so request you to kindly remove this clause to comply other OEMs."	This is acceptable as well
4	RAM	1GB	Partial	128MB	The camera's RAM is used for temporary data storage, allowing the device to run its operating system with Log generation report , So it's sufficient to 128MB RAM for this camera's.	This is acceptable as well
22	Video Frame Rate	Main stream: 30fps@2560x1920,2048x1536,1920x1440,1600x1200,1280x960,800x600,640x480 (4:3) Sub stream: 30fps @ 1920x1440, 1600x1200, 1280x960, 800x600, 640x480 (4:3) Third Sub stream: 30fps @ 1280x960, 800x600, 640x480 (4:3);	Partial	Main stream: 4MP (2688 × 1520)@1-25/30fps/ (2560×1440)@1-25/30fps Sub stream 1: 720p(1280 x 720)@1-25/30fps, VGA (640 x 480)@1-25/30fps, CIF (352 x 288) @1-25fps/(352 x 240)@1-30fps, D1 (704 × 576)@1-25 fps/ (704 × 480)@1-30fps Sub stream 2: VGA (640 x 480)@1-25/30fps, CIF (352 x 288)@1-25fps/ (352 x 240)@1-30fps, D1 (704 × 576)@1-25fps/ (704 × 480)@1-30fps Sub stream 3: D1 (704 × 576)@1fps/ (704 × 480)@1fps	It's single OEM Specific specification basically different OEM's has different resolution to match your requirement thus requesting you to remove or amend the cause as :- Main stream: 4MP (2688 × 1520)@1-25/30fps/ (2560×1440)@1-25/30fps) Sub stream 1: 720p(1280 x 720)@1-25/30fps, VGA (640 x 480)@1-25/30fps, CIF (352 x 288) @1-25fps/(352 x 240)@1-30fps, D1 (704 × 576)@1-25 fps/ (704 × 480)@1-30fps Sub stream 2: VGA (640 x 480)@1-25/30fps, CIF (352 x 288)@1-25fps/ (352 x 240)@1-30fps, D1 (704 × 576)@1-25fps/ (704 × 480)@1-30fps Sub stream 3: D1 (704 × 576)@1fps/ (704 × 480)@1fps	This is acceptable as well
24	Resolution	30 fps @ 2560x1920 (5MP)	Partial	25 fps@2688 × 1520 (4MP)	As per RFP you said change the 4MP resolution or higher , So kindly change the resolution of 4MP as we suggest . OEM Recomandation : 2688 * 1520 .	This is acceptable as well
1A. Network Dome Camera						
SL No.	Parameter	Specification	Compliance Yes / No	Remarks		Discoms' Reply
2	Max. Resolution	2560[H] X 1920[V]	Partial	2688(H) × 1520(V)	As per RFP you said change the 4MP resolution or higher , So kindly change the resolution of 4MP as we suggest . OEM Recomandation : 2688 * 1520 .	This is acceptable as well

3	ROM	128 MB	Partial	128MB	The ROM in a CCTV camera is a non-volatile memory that stores the camera's firmware and operating system, which cannot be changed by the user. While a camera's internal ROM also exists, a 128MB ROM is less commonly advertised as it's primarily for the device's core functions. "Generally OEMs have embedded ROM/RAM and This feature is OEM specific and which is not impact on perform and quality of camera video. so request you to kindly remove this clause to comply other OEMs."	This is acceptable as well
4	RAM	512	Partial	128MB	The camera's RAM is used for temporary data storage, allowing the device to run its operating system with Log generation report , So it's sufficient to 128MB RAM for this camera's.	This is acceptable as well
2E. Technical Specification of PTZ Camera						
S.No	Features	Specifications	Compliance Yes / No	Remarks		Discoms' Reply
10	Frame Rate and Resolution	H.265/H.264 5M (2560 X 1920) @30 fps, 2 MP (1920 X 1080) @60 FPS	Partial	H.265/H.264 5M (2560 X 1920) @30 fps, 2 MP (1920 X 1080) @25 FPS	Requesting you to make this point more Generic and revise it as H.265/H.264 5M (2560 X 1920) @30 fps, 2 MP (1920 X 1080) @25 FPS , to allow max participants to BID	This is acceptable as well
11	Simultaneous Stream	Minimum 2 streams should be configurable at 1920 X 1080p simultaneously	Partial	Main Stream should be configurabl	To achieve at least two streams at 1920x1080 (Full HD) for CCTV, you need cameras that support multi-streaming, allowing them to output multiple independent video feeds with different settings like resolution and frame rate. One stream (often the primary or "main stream") can be configured for high-resolution live viewing or recording at 1920x1080 resolution with a high frame rate, while a secondary or "sub-stream" can be set for live monitoring with a lower resolution and frame rate or even stored at a lower frame rate to save bandwidth and storage. OEM Suggestion : D1@1-25/30fps Sub stream 1: D1/VGA/CIF@25fps Sub stream 2: 720P@(1-25/30 fps).	This is acceptable as well
18	Video Streams	3 VIDEO Streams. Main Stream 5MP (2560x1920), 4MP (2560x1440), Sub Stream 1080P(1920X1080), Third Stream - 720P(1280x720)	Partial	Sub stream : D1/VGA/CIF@25fps	It's single OEM Specific specification basically different OEM's has different resolution to match your requirement thus requesting you to remove or amend the cause as :-Sub stream : D1/VGA/CIF@25fps	This is acceptable as well

2	Since the tender emphasizes “futuristic expansion compatible with any OEMs to avoid OEM constraints and to ensure smooth integration with existing systems”, it sammes to mandate that the CCTV Camera OEM must be a full-time member of ONVIF, with all quoted models listed on the official ONVIF website , is CCTV Camera OEM must be a full-time member of ONVIF, and all quoted models should be listed on the ONVIF official website. All certifications and credentials should remain valid on the date of technical evaluation. Further, the OEM should not be suspended or blacklisted by ONVIF, applicable for all cameras in entire tenders and all discoms.	We know as per international standard this requirement ensures that: All equipment adheres to global interoperability standards, avoiding vendor lock-in. Future integrations with different OEMs remain seamless, supporting expansion without compatibility issues. Certifications and credentials are verifiable and valid at the time of technical evaluation, ensuring credibility. OEMs with any suspension or blacklisting history under ONVIF are excluded, mitigating technical and reputational risks.	Please confirm whether it is mandatory or not . ONVIF Full Member : Active development participation. Participate in Technical, Technical Services and Communication Committees* Vote in Committees & Working Groups* Participate in ONVIF working groups Future insights any brand camera with intergated any thirdparty software & hardware ; this is mostly important to added the points. Global Standards & Certification Using ONVIF Full Member products helps you meet international standards for: Security system procurement Government contracts Regulatory compliance Use ONVIF Full Member products when you need: Guaranteed device compatibility Reliable and accessible security	OEM should be full time member of ONVIF - Mandatory
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IG. 16 Channel Network Video Recorder (NVR)				
SL No.	Feature	Specification	Queries	Reply
7	Decoding Capability	AI Disabled: 2 Channel 32 MP@25 fps, 2 Channel 24 MP@25 fps, 4 Channel 16 MP@30 fps, 5 Channel 12 MP@30 fps, 8 Channel 8 MP@30 fps, 10 Channel 6 MP@30 fps, 12 Channel 5 MP@30 fps, 16 Channel 4 MP@30 fps AI enabled: 1 Channel 32 MP@25 fps, 1 Channel 24 MP@25 fps, 2 Channel 16 MP@30 fps, 4 Channel 12 MP@30 fps, 6 Channel 8 MP@30 fps, 8 Channel 6 MP@30 fps, 8 Channel 5 MP@30 fps, 12 Channel 4 MP@30 fps	This is brand specific criteria. It will differ from OEM to OEM. AI part will be under 3rd party Software	With VA software or through Camera both will be accepted
8	AI by NVR	Face detection, Face recognition, Perimeter protection, SMD Plus	SMD is brand specific term. Equivalent feature is motion detection 2.0 and camera should support this feature or it can be under 3rd party AI software scope	Face detection, Face recognition, Perimeter protection required only and with VA software or through Camera both will be accepted

16	SMD Plus by Camera	All Channels (32 Targets/s)	SMD Plus Camera is brand specific requirement as std. cameras support motion detection with human & vehicle classification	Without SMD Plus is acceptable
26	Power Supply	12 VDC, 4Amp	This will differ from OEM to OEM	This is suggested but nearest or higher specification may be allowed.

I.A. Network Dome Camera				
SL No.	Parameter	Specification	Queries	Reply
12	Image Stabilization	Electronic Image Stabilization (EIS)	Not required. Maj	This is acceptable as well
29	Defog	Support	Defog is usually used in cold regions and for outdoor purpose as dome camera will be for Indoor use so kindly remove this point	Without Defog also acceptable

Network Bullet Camera

S. No	Feature	Specification	Queries	Reply
	Camera			
15	Field of View	114° ~ 32° (Horizontal), 68.8° ~ 21.5° (Vertical), 138° ~ 35.9°(Diagonal)	This is brand specific. Kindly keep this as OEM specific, since it will differ.	As per NIT, it is suggested but nearest or higher specification may be allowed based on the detail feasibility checking during TER.
	Professional, Intelligent			
18	Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos	Smart Search is brand specific requirement. Kindly remove this.	Not required
22	Video Frame Rate	Main stream: 30fps@2560x1920,2048x1536,1920x1440,1600x1200,1280x960,800x600,640x480 (4:3) Sub stream: 30fps @ 1920x1440, 1600x1200, 1280x960, 800x600, 640x480 (4:3)	 This is brand specific. Kindly allow Sub stream: 25 fps (1280 x 720, 640 x 480, 640 x 360)	 As per NIT, it is suggested but nearest or higher specification may be allowed based on the detail

		Third Sub stream: 30fps @ 1280x960, 800x600, 640x480 (4:3);	This is brand specific. Kindly allow Third Stream: 10 fps (1920 x 1080, 1280 x 720, 640 x 480, 640 x 360)	feasibility checking during TER.
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2D ANPR Camera					
SL No.	Parameter	Specification	Revised Specific	Queries	Reply
2	Processor	Hisilicon, specialized license plate recognition chip		Hi Silicon chip is not suggested to be considered in India. Kindly remove this point. Even Govt. entities ask to NOT consider Hisilicon chips.	Accepted
6	Lens	CS mountable, fixed iris, 6mm prime	Tender clause may be read as "ANPR camera lens CS mountable, fixed iris, 5mm - 50mm prime lens"	Request you to kindly keep the original specifications, since this is ANPR application & such a distance is not needed.	This is acceptable as well
16	IO interface	4 input/2 output		This is a brand specific. Kindly allow for 1 input & 1 output supported	This is acceptable as well
20	Power supply	12V DC, 24V AC, PoE+	Yes	I This is a brand specific. Kindly allow for 2VDC, POE	As per NIT, it is suggested but nearest or higher specification may be allowed based on the detail feasibility checking during TER.

1. As per tender specifications, only the AI features listed in the BOM should be implemented, either via Camera or Video Analytics.
2. Regarding other AI features mentioned in Camera or NVR specifications, we require confirmation from bidders that these features can be

TPSODL

1A. Network Dome Camera				
SL No.	Parameter	Specification	Queries	Reply
16	Field of View	111.0° (Horizontal), 59.0° (Vertical), 133.0° (Diagonal) or better	This is brand specific. Kindly keep this as OEM specific, since it will differ.	As per NIT, it is suggested but nearest or higher specification may be allowed based on the detail feasibility checking during TER.
19	Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos	Brand Specific requirement as kindly remove this point as standard search support	Not required
21	Smart Codec	Smart H.265	Smart H.265 is brand specific requirement so kindly consider only H.265 here	This is acceptable as well
35	Defog	Yes	Defog is usually used in cold regions and for outdoor purpose as dome camera will be for Indoor use so kindly remove this point	Without Defog also acceptable

Network Bullet Camera

S. No	Feature	Specification	Queries	Reply
15	Field of View	114° ~ 32° (Horizontal), 68.8° ~ 21.5° (Vertical), 138° ~ 35.9°(Diagonal)	This is brand specific. Kindly keep this as OEM specific, since it will differ.	As per NIT, it is suggested but nearest or higher specification may be allowed based on the detail feasibility checking during TER.
18	Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos	Smart Search is brand specific requirement so we support standard search	As per NIT, it is suggested but nearest or higher specification may be allowed based on the detail feasibility checking during TER.
22	Video Frame Rate	Main stream: 30fps@2560x1920,2048x1536,1920x1440,1600x1200,1280x960,800x600,640x480 (4:3)		As per NIT, it is suggested but nearest or higher specification may be allowed based on the detail feasibility checking during TER.
		Sub stream: 30fps @ 1920x1440, 1600x1200, 1280x960, 800x600, 640x480 (4:3)	This is brand specific. Kindly allow Sub stream: 25 fps (1280 x 720, 640 x 480, 640 x 360)	
		Third Sub stream: 30fps @ 1280x960, 800x600, 640x480 (4:3);	This is brand specific. Kindly allowThird Stream: 10 fps (1920 x 1080, 1280 x 720, 640 x 480, 640 x 360)	

1G. 16 Channel Network Video Recorder (NVR)

SL No	Feature	Specification	Queries	Reply
8	Decoding Capability	AI Disabled: 2 Channel 32 MP@25 fps, 2 Channel 24 MP@25 fps, 4 Channel 16 MP@30 fps, 5 Channel 12 MP@30 fps, 8 Channel 8 MP@30 fps, 10 Channel 6 MP@30 fps, 12 Channel 5 MP@30 fps, 16 Channel 4 MP@30 fps AI enabled: 1 Channel 32 MP@25 fps, 1 Channel 24 MP@25 fps, 2 Channel 16 MP@30 fps, 4 Channel 12 MP@30 fps, 6 Channel 8 MP@30 fps, 8 Channel 6 MP@30 fps, 8 Channel 5 MP@30 fps, 12 Channel 4 MP@30 fps	This is brand specific criteria. It will differ from OEM to OEM. AI part will be under 3rd party Software	With VA software or through Camera both will be accepted
9	AI by NVR	Face detection, Face recognition, Perimeter protection, SMD Plus	SMD is brand specific term. Equivalent feature is motion detection 2.0 and camera should support this feature or it can be under 3rd party AI software scope	Face detection, Face recognition, Perimeter protection required only and with VA software or through Camera both will be accepted

17	SMD Plus by Camera	All Channels (32 Targets/s)	SMD Plus Camera is brand specific requirement as std. cameras support motion detection with human & vehicle classification	Without SMD Plus is acceptable
27	Power Supply	12 VDC, 4Amp	This will vary from OEM to OEM.	As per NIT, it is suggested but nearest or higher specification may be allowed based on the detail feasibility checking during TER.

IH. 32 Channel Network Video Recorder

S.No	Features	Specifications	Queries	Reply
3	Main Processor	Intel Quad-core Processor	This will vary from OEM to OEM.	As per NIT, it is suggested but nearest or higher specification may be allowed based on the detail feasibility checking during TER.
28	Operating Temperature	-20°C~+70°C	This is brand specific criteria. It will differ from OEM to OEM. '-10 degree C to 55 degree C All NVR support for Indoor application and such high temp. operating is not required	This is acceptable as well

II. 64 Channel Network Video Recorder

S.No	Features	Specifications	Queries	Reply
3	Main Processor	Intel Quad-core Processor	This will vary from OEM to OEM.	As per NIT, it is suggested but nearest or higher specification may be allowed based on the detail feasibility checking during TER.
28	Operating Temperature	-20°C~+70°C	This is brand specific criteria. It will differ from OEM to OEM. '-10 degree C to 55 degree C All NVR support for Indoor application and such high temp. operating is not required	This is acceptable as well

1. As per tender specifications, only the AI features listed in the BOM should be implemented, either via Camera or Video Analytics.
2. Regarding other AI features mentioned in Camera or NVR specifications, we require confirmation from bidders that these features can be made available through the camera or VA system when required in future. Please note that pricing for these additional features is not required for this tender.