



भारत सरकार टकसाल / INDIA GOVERNMENT MINT

भारत प्रतिभूति मुद्रण तथा मुद्रा निर्माण निगम लिमिटेड की इकाई

(A UNIT OF SECURITY PRINTING & MINTING CORPORATION OF INDIA LIMITED)

मिनीरत्ना श्रेणी -1 सीपीएसई / MINIRATNA CATEGORY - 1, CPSE

भारत सरकार के पूर्ण स्वामित्वाधीन / WHOLLY OWNED BY GOVERNMENT OF INDIA

(AN ISO 9001: 2015 COMPANY)



आई.डी.ए.फेस II, चेरलापल्ली,
पोस्ट बेग सं.10, एच.सी.एल (पो.आ.)
हैदराबाद, तेलंगाना, भारत-500051

IDA PHASE II, CHERLAPALLY,
P.B. NO.10, H.C.L (P.O)

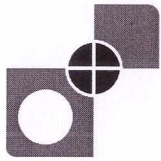
HYDERABAD, TELANGANA, INDIA -500051

क्रमांक. X-24/IGMH/PS/CCTV/2026-27/1192

Date: 10.10.2026

CORRIGENDUM-II

S. No	Section / Point No	As per Tender	To be Read as
1	12-P	Proof of Concept (POC): Qualified bidders must demonstrate use cases including ONVIF conformance, IR features, and limited Analytics at IGM Hyderabad.	Clause Deleted
2	A.2	Capability - Equipment & manufacturing Facilities: The Bidder firm must have an annual capacity to manufacture and supply at least 100 similar types of Cameras. Bidder has to submit the following information regarding capacity and performance:	The Bidder firm must have an annual capacity and capability to execute a similar CCTV surveillance system project of supply, installation, testing and commissioning of at least 100 nos of similar types of Cameras.
3	A.34	Ultrasonic Rodent Repellent Panel Supports Up to 12 Transducers. 20KHz (Variable) Operating frequency 2 No's	Requirement is Deleted
4	A.35	Ultrasonic Rodent Repellent Transducer: 80dB to 110dB sound pressure, ABS Plastic housing with mounting base. CE approved. 12 No's	Requirement is Deleted
5	A.83	Deployment of Onsite CCTV Technician (1 No's) at site location in General Shift during all working days of IGM Hyderabad: 8 Years	Clause is Deleted. No requirement of One onsite CCTV Technician is required. Whereas support during comprehensive warranty period shall be as per tender terms and conditions.



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6	B. 1. 6.	Up to 3072 × 1728 @ 30 fps	Clause Modified As: Resolution: 3072 × 1728 or equivalent as per design of the camera, subject to meeting all specified AI, image-quality and frame-rate requirements.
7	B. 1. 10.	Wide Dynamic Range: Not less than 132 dB (Super Dynamic + ABS)	Clause Modified As: True WDR of ≥120 dB
8	B. 1. 14.	Shutter Speed: 1/30 to 1/10000 sec	Clause Modified As: 1/25 sec to 1/15,000 sec or better as per design of camera
9	B.1.30	Operating Temperature: -40°C to +60°C	Clause Modified As: The Operating temperature from -30°C to +60°C
10	B.2.6	Resolution: 3072×1728 (16: 9), 3072×2304 (4: 3) @ 30 fps	Clause Modified As: Resolution: 3072×1728 (16:9), 3072×2304 (4:3) @ 30 fps or better as per design of the camera, subject to meeting all specified AI, image-quality and frame-rate requirements.
11	B. 2. 9.	Wide Dynamic Range: not less than 132 dB	Clause Modified As: True WDR of ≥120 dB
12	B. 2. 13.	Shutter Speed: 1/30 to 1/10000 sec	Clause Modified As: 1/25 sec to 1/15,000 sec or better as per design of camera
13	B.2.27	Max Users: Up to 14 users	Clause Modified As: The maximum-user requirement modified to upto 10 users.
14	B.2.32	Audio Ports: 3.5 mm In/Out	Clause Modified As: Audio Ports: 3.5mm Jack 1 Input / 1 Output. equivalent interfaces may be accepted provided they deliver the required two-way audio functionality and are compatible with the VMS/system architecture.
15	B.2.33	Operating Temperature: -40°C to +60°C	Clause Modified As: The Operating temperature revised to -30°C to +60°C



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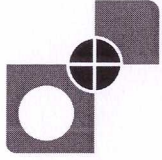
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16	B.2.38.	Dimensions: Ø154 mm × 105 mm	Clause Modified As: As per OEM design
17	B.2.40.	Power Consumption: Approx. 12W	Clause Modified As: As per OEM design
18	B.3.9	Wide Dynamic Range : not less than 132 dB	Clause Modified As: True WDR of ≥120 dB
19	B.3.12	Smart Coding: GOP + Smart Facial Coding	Clause Modified As: H.265+/H.265 compression or better
20	B.3.17	Shutter Speed: 1/30 to 1/10000 sec	Clause Modified As: 1/25 sec to 1/15,000 sec or better as per design of camera
21	B.3.25	Extra Zoom: Up to 78x	Clause Modified As: Digital zoom of 16× or better
22	B. 3. 30. Detect:31. Observe: 32. Recognize:33. Identify:	Detect: Up to 3050 mObserve: Up to 1220 mRecognize: Up to 610 mIdentify: Up to 305 m	Clause Modified As: As per design of the camera by OEM
23	B.3.44	Max Users: Up to 14	Clause Modified As: The maximum-user requirement modified to upto 10 users.
24	B.3.45	45. Storage: microSD up to 512 GB	Clause Modified As: Storage Micro SD Expandable up to 256GB or better capacity.
25	B.3.49	49. Audio Ports: 3.5 mm In/Out	Clause Modified As: For audio, 3.5 mm interface or equivalent line-level/audio input-output interface may be accepted.
26	B.3.52	52. Cyber Security: FIPS 140-2 Level 3	Clause Modified As: FIPS 140-2 Level 3 or FIPS 140-3 Level 3, or an equivalent internationally recognized cybersecurity certification/standard applicable
27	B.3. 54.	Operating Temperature -50°C to +60°C	Clause Modified As: The Operating temperature from -30°C to +60°C



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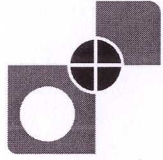
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28	B.3.56. Protection: 57. Wind Resistance: 58. Power Supply:	56. Protection: IP66, IK10 57. Wind Resistance: Up to 40 m/s 58. Power Supply: PoE++ (IEEE 802.3bt)	Clause Modified As: IP66 or better shall be retained for outdoor PTZ. IK10+ or Equivalent impact protection.
29	B.3.59.	Power Consumption: ~45.9W or efficient	Clause Modified As: As per OEM design
30	B. 4. 1. Camera Type: & 6. Resolution:	Camera Type: 5MP ANPR Outdoor Bullet Network Camera, Resolution: 3072 × 1728 @ 30 fps	Clause Modified As: Resolution: 3072 × 1728 @ 30 fps or better as per design of the camera, subject to meeting all specified AI, image- quality and frame-rate requirements.
31	B.4.9	9. Wide Dynamic Range: 132 dB	Clause Modified As: True WDR of ≥120 dB
32	B.4.10	10. IR Range Up to 180 m (PoE++), 120 m (PoE+), 85 m (DC)	Clause Modified As: IR Range modified to : Not less than 150 m (PoE++)/ Not less than 100 m (PoE+)
33	B.4.13	Smart Coding: GOP control	Clause Modified As: GOP Control' replaced with 'H.265+/H.265 compression or better'
34	B.4.19	Shutter Speed: 1/30 to 1/10000 sec	Clause Modified As: 1/25 sec to 1/15,000 sec or better as per design of camera
35	B.4.26	Digital Zoom: Up to 160x	Clause Modified As: Digital zoom of 16x or better
36	B. 4. 31. Detect: 32. Observe: 33. Recognize: 34. Identify:	Detect Up to: 960 m, Observe Up to: 384 m, Recognize Up to: 192 m, Identify Up to: 96 m	Clause Modified As: As per design of the camera by OEM
37	B.4.38	38. Max Users: Up to 14	Clause Modified As: The maximum- user requirement modified to upto 10 users.



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38	B.4.43,44	43. Audio Ports: 3.5 mm In/Out 44. Alarm Inputs: 3	Clause Modified As: 3 alarm inputs or equivalent higher-capacity interface shall be preferred/retained where required for the intended application. For audio, 3.5 mm interface or equivalent line-level/audio input-output interface may be accepted.
39	B.4.46	46. Cyber Security: FIPS 140-2 Level 3	Clause Modified As: FIPS 140-2 Level 3 or FIPS 140-3 Level 3, or an equivalent internationally recognized cybersecurity certification/standard applicable
40	B.[5-1].15	Fan Trays: 3 × Hot-swappable fan trays (N+1 redundancy)	Clause Modified As: As per OEM design.
41	B. [6-3].4	4. GPU: 3 × 20 GB NVIDIA A4000 Ada GPU Card	Clause Modified As : GPU: 3 × 20 GB NVIDIA RTX 4000 Ada GPU Card
42	BOQ / Control Room	PA / Two-Way Audio	Clause Modified As: Redundancy shall be provided for the video-wall controller where required to avoid a single point of failure. Automatic failover and redundant power shall be included where specified/required by the approved design. Required controller hardware/licences shall be included and itemized.
43	BOQ Item 83	One onsite CCTV Technician is required in general shift for 8 years.	Clause is Deleted.
44	IR Range	Up to 305 m or better	Clause Modified As: IR range ≥300 m



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45	Technical Specifications of Video Management Software	Additional Clause	STQC certified and ER compliant requirements shall apply to all the equipment/component where the relevant certification/registration is applicable and issued to the equipment category as per the prevailing guidelines of Government of India. Where no product-specific certification exists from STQC for particular category of products/equipment, applicable statutory/industry compliance and OEM declaration/certification may be accepted subject to verification. Bidder shall map each item to the applicable certificates.
46	Last Date for Submission of Bid	12.10.2026 @5:00 pm	24.10.2026 @ 12 noon
47	EMD	₹.16,27,000 (Rupees Sixteen Lakhs Twenty Seven Thousand Only)	₹ 4,06,000 /- (Rupees Four Lakhs Six Thousand Only)

The replies to the pre bid queries are enclosed herewith.

This is issued with the approval of Competent Authority.

भवदीय,
A. किरण कुमार
10.10.2026
(वी. किरण कुमार)
संयुक्त महाप्रबंधक (सा)
कुते मुख्य महाप्रबंधक
भारत सरकार टकसाल

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
1	B. 1. 6. Resolution:	Up to 3072 × 1728 @ 30 fps	2592 × 1944 (5MP) or better	Clause Modified As: Resolution: 3072 × 1728 or equivalent as per design of the camera, subject to meeting all specified AI, image-quality and frame-rate requirements.
2	B. 1. 9. Minimum Illumination Color:	Minimum Illumination Color: 0.05 lux, B/W: 0.004 lux or better	Color: 0.5 lux; B/W: 0.01 lux	Tender Conditions Prevail.
3	B. 1. 10. Wide Dynamic Range:	Wide Dynamic Range: Not less than 132 dB (Super Dynamic + ABS)	120 dB True WDR or better	Clause Modified As: True WDR of ≥120 dB
4	B. 1. 14. Shutter Speed:	Shutter Speed: 1/30 to 1/10000 sec	1/25 sec to 1/15000 sec or better	Clause Modified As: 1/25 sec to 1/15,000 sec or better as per design of camera
5	B. 1. 20. Zoom:	Zoom: 3.1x Optical or better	3.0× optical or better	Tender Conditions Prevail.
6	B. 1. 21. Focal Length:	Focal Length: 2.9 – 9 mm or better	2.9–9 mm (±2 mm) or better	Tender Conditions Prevail.
7	B. 2. 6. Resolution:	Resolution: 3072×1728 (16: 9), 3072×2304 (4:3) @ 30 fps	2592 × 1944 (5MP) or better	Clause Modified As: Resolution: 3072 × 1728 or equivalent as per design of the camera, subject to meeting all specified AI, image-quality and frame-rate requirements.
8	B. 2. 8. Minimum Illumination Color:	Minimum Illumination Color: 0.05 lux, B/W: 0.004 lux or best	Color: 0.5 lux; B/W: 0.01 lux	Tender Conditions Prevail.
9	B. 2. 9. Wide Dynamic Range:	Wide Dynamic Range: not less than 132 dB	120 dB True WDR or better	Clause Modified As: True WDR of ≥120 dB
10	B. 2. 10. IR Range :	IR Range : 55 meters or more	30 m or better	Tender Conditions Prevail.
11	B. 2. 13. Shutter Speed:	Shutter Speed: 1/30 to 1/10000 sec	1/25 sec to 1/15000 sec or better	Clause Modified As: 1/25 sec to 1/15,000 sec or better as per design of camera
12	B. 2. 19. Optical Zoom:	Optical Zoom: 3.1x Motorized	3.1× optical or better	Tender Conditions Prevail.
13	B. 2. 20. Focal Length:	Focal Length: 2.9 – 9 mm or better	2.9–9 mm (±2 mm) or better	Tender Conditions Prevail.
14	B. 2. 33. Operating Temperature:	Operating Temperature: -40°C to +60°C	-40°C to +50°C or better	Clause Modified As: The Operating temperature from -30°C to +60°C
15	B. 2. 38. Dimensions:	Dimensions: Ø154 mm × 105 mm	Delete this clause or make it indicative only	This Point is Deleted
16	B. 3. 1. Camera Type: & 6. Resolution:	Camera Type: 5MP PTZ Dome Network Camera (30x), Resolution: 3328 × 1872 @ 30 fps or better	4MP/5MP PTZ; 3328 × 1872 @ 30 fps or 2688 × 1520 @ 60 fps or better	Tender Conditions Prevail.
17	B. 3. 8. Minimum Illumination Color:	Minimum Illumination Color: minimum 0.001 lux, B/W: 0.0004 lux	Color: 0.5 lux; B/W: 0.01 lux	Tender Conditions Prevail.

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
18	B. 3. 12. Smart Coding:	Smart Coding: GOP + Smart Facial Coding	H.265+/H.265/H.264	Clause Modified As: 'GOP + Smart Facial Coding' replaced with 'H.265+/H.265 compression or better'
19	B. 3. 17. Shutter Speed:	Shutter Speed: 1/30 to 1/10000 sec	1/25 sec to 1/15000 sec or better	Clause Modified As: 1/25 sec to 1/15,000 sec or better as per design of camera
20	B. 3. 25. Extra Zoom:	Extra Zoom: Up to 78x	16× digital zoom or better	Clause Modified As: Digital zoom of 16× or better
21	B. 3. 26. Focal Length:	Focal Length: 4.5 – 135 mm	4.5–135 mm (±2 mm) or better	Tender Conditions Prevail..
22	B. 3. 30. Detect: 31. Observe: 32. Recognize: 33. Identify:	Detect: Up to 3050 m Observe: Up to 1220 m Recognize: Up to 610 m Identify: Up to 305 m	Delete this clause or evaluate DORI separately, outside mandatory compliance	Clause Modified As: As per design of the camera by OEM
23	IR Range	Up to 305 m or better	300 m or better	Clause Modified As: IR range ≥300 m
24	B. 4. 1. Camera Type: & 6. Resolution:	Camera Type: 5MP ANPR Outdoor Bullet Network Camera, Resolution: 3072 × 1728 @ 30 fps	4MP/5MP; 3328 × 1872 @ 30 fps or 2688 × 1520 @ 60 fps or better	Clause Modified As: Resolution: 3072 × 1728 @ 30 fps or better as per design of the camera, subject to meeting all specified AI, image-quality and frame-rate requirements.
25	B. 4. 8. Minimum Illumination Color:	Minimum Illumination Color: 0.04 lux, B/W: 0 lux (IR ON)	Color: 0.5 lux; B/W: 0.01 lux	Tender Conditions Prevail.
26	B. 4. 13. Smart Coding:	Smart Coding: GOP control	H.265+/H.265/H.264	Clause Modified As: 'GOP Control' replaced with 'H.265+/H.265 compression or better'
27	B. 4. 19. Shutter Speed:	Shutter Speed: 1/30 to 1/10000 sec	1/25 sec to 1/15000 sec or better	Clause Modified As: 1/25 sec to 1/15,000 sec or better as per design of camera
28	B. 4. 26	Digital Zoom: Up to 160x	16× digital zoom or better	Clause Modified As: Digital zoom of 16× or better
29	B. 4. 27. Focal Length:	27. Focal Length: 4.7 – 47 mm	4.5–47.0 mm (±5%), or nearest available standard range	Tender Conditions Prevail..
30	B. 4. 31. Detect: 32. Observe: 33. Recognize: 34. Identify:	Detect Up to: 960 m, Observe Up to: 384 m, Recognize Up to: 192 m, Identify Up to: 96 m	Delete this clause or evaluate DORI separately, outside mandatory compliance	Clause Modified As: As per design of the camera by OEM
31	MSE Relaxation for Years Of Experience and Turnover	Yes Complete	Since complete relaxation is provided for MSE bidders, can an eligible MSE bidder participate without prior experience?	Tender Condition prevails
32	MSE Relaxation for Years Of Experience and Turnover	Yes Complete	Can an eligible MSE bidder avail complete relaxation from the minimum bidder turnover requirement?	Tender Condition prevails

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
33	24. A. 2. Capability - Equipment & manufacturing Facilities:	The Bidder firm must have an annual capacity to manufacture and supply at least 100 similar types of Cameras. Bidder has to submit the following information regarding capacity and performance:	Is the requirement to manufacture and supply 100 cameras per year applicable to the bidder, or can it be fulfilled by the proposed CCTV OEM?	Clause Modified As: The bidder must have an annual capacity to execute similar projects on CCTV surveillance system comprising of supply, installation, testing & commissioning of 100 nos. of similar type of cameras
34	24. A.		Can an MSE System Integrator, who is not itself a CCTV manufacturer/OEM, participate with authorization from a qualified CCTV OEM?	Clarified as: System Integrators are eligible to participate in the tender
35	Buyer Added Bid Specific Terms and Conditions. 5. Generic:	Generic: Manufacturer Authorization: Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.	Is an OEM authorization letter from the CCTV manufacturer sufficient for a System Integrator to participate in the bid?	Clarified as: Manufacturer Authorisation letters are required to be submitted against the bid for the major items such as Camera, Storage, VMS, servers, work stations, cables, etc.
36	Bid Details	MSE Purchase Preference	Is MSE purchase preference available to an MSE System Integrator, or only to an MSE manufacturer/OEM?	As per tender condition and extant MSME guidelines.
37	EMD Detail	EMD Exemption	Is an MSE System Integrator eligible for EMD exemption under this bid?	As per tender condition and extant MSME guidelines.
38	Certification:	Certification: STQC and ER Certified, BIS Registered, CE	Can the required STQC/ER, BIS and other certificates held by the CCTV OEM be submitted by the authorized System Integrator?	Bidders understanding is correct
39	VMS	VMS OEM/ Interoperability	Can a VMS from a different OEM be offered, provided it meets all tender requirements and integrates with the proposed cameras?	Tender Conditions Prevail.
40	B. 1.10, 2.9, 3.9, 4.9	10. Wide Dynamic Range: Not less than 132 dB (Super Dynamic + ABS)	The specified 132 dB WDR requirement may be restrictive for certain OEMs. We request you to kindly consider 120 dB or equivalent/better True WDR, without compromising the required image quality and performance.	Clause Modified As: True WDR of ≥ 120 dB
41	B.3.12	Smart Coding: GOP + Smart Facial Coding	The requirement of "GOP + Smart Facial Coding" appears to refer to specific OEM technology/terminology. We request you to kindly consider GOP Control / Smart Coding or equivalent technology to maintain OEM neutrality.	Clause Modified As: 'GOP + Smart Facial Coding' replaced with 'H.265+/H.265 compression or better'

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
42	B.3.25	Extra Zoom: Up to 78x	The requirement of 78x extra zoom, in addition to the specified 30x optical zoom, appears to be highly specific. We request the Bank to kindly clarify the operational requirement and consider equivalent zoom specifications.	Clause Modified As: Digital zoom of 16x or better
43	B.3.36	Pan Speed: Up to 700°/s (preset)	The specified pan speed of 700°/sec appears to be excessively high. At this speed, the camera would theoretically be capable of rotating almost two complete rounds within one second. We request you to kindly clarify the operational requirement and consider a more practical requirement of 400°/sec or equivalent.	Tender Conditions Prevail.
44	B.4.43,44	43. Audio Ports: 3.5 mm In/Out 44. Alarm Inputs: 3	Alarm & Audio Interface: The requirement for Three alarm inputs and a specific 3.5 mm audio interface may be restrictive, as the number and type of available interfaces vary across OEM hardware configurations. Kindly consider accepting 1 or more alarm inputs and equivalent audio input/output interfaces providing the required functionality.	Clause Modified As: 3 alarm inputs or equivalent higher-capacity interface shall be preferred/retained where required for the intended application. For audio, 3.5 mm interface or equivalent line-level/audio input-output interface may be accepted.
45	B.4.46	46. Cyber Security: FIPS 140-2 Level 3	The requirement for FIPS certification may be restrictive, as FIPS is not an India-specific mandatory certification for surveillance/ANPR applications. We request you to kindly consider equivalent internationally recognized cybersecurity standards/certifications applicable to the proposed solution.	Clause Modified As: FIPS 140-2 Level 3 or FIPS 140-3 Level 3, or an equivalent internationally recognized cybersecurity certification/standard applicable
46	24.A.1	Experience & Past Performance:	Kindly clarify whether experience of the Bidder's Parent Company / Group Company / Subsidiary / Affiliate / Associated Entity may be considered for fulfilment of this experience criterion, provided the participating bidder is duly authorised and supported by such entity for execution of the present project.	Clarified as: Experience of the participating bidder will be considered.
47	ATC A.1	The clause does not expressly restrict qualifying experience to projects executed in India.	Kindly confirm that qualifying experience may be from projects executed outside India, provided the prescribed technical scope, camera quantity and operational-period requirements are met.	Clarified as: Experience of the participating bidder will be considered.
48	ATC A.1 / Experience Proof	Experience is evidenced mainly through contracts, invoices, execution certificates or other supporting documents.	Kindly clarify whether surveillance systems designed, supplied, installed, commissioned and continuously operated/maintained by the bidder or its Group Company in its own high-security currency printing works, banknote production facilities, Central Bank cash centres or similar secure facilities may be accepted as equivalent experience where a conventional third-party PO/invoice is not available, supported by commissioning/acceptance certificates, camera inventory, project records and certification from the relevant facility/entity.	Clarified as: Experience of the participating bidder will be considered.

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
49	ATC A.1	No specific reference is made to Central Bank, Mint, currency-printing or high-security facility surveillance experience.	Kindly confirm that surveillance projects executed for Central Banks, Government currency printing facilities, Mints, cash centres or comparable high-security critical infrastructure will be treated as similar projects in India or outside India as well.	Clarified as: Experience of the participating bidder will be considered.
50	ATC A.1 / A.17	The clause refers to the Bidder and permits various forms of experience proof.	Kindly clarify whether a global G+D Group Company may provide its experience credentials and technical support to G+D India, where G+D India is the participating bidder and contracting entity.	Clarified as: Experience of the participating bidder will be considered.
51	ATC A.17	Experience proof includes contract + invoices, execution certificate or other supporting evidence.	For overseas projects, kindly confirm whether client/facility completion certificates, commissioning certificates, project acceptance certificates or equivalent verifiable documents issued by the relevant facility owner may be accepted in lieu of Indian work orders/GST invoices.	Clarified as: Experience of the participating bidder will be considered.
52	ATC A.17	No specific process is stated for foreign project documentation.	Kindly clarify whether overseas project values may be submitted in original foreign currency with INR equivalent and specify whether notarisation, apostille or consular attestation is required.	Clarified as: Experience of the participating bidder will be considered.
53	ATC A.2	Bidder firm must have annual capacity to manufacture and supply at least 100 similar cameras.	Since this is a turnkey DSITC/MSI/System Integration procurement, kindly clarify whether an MSI/System Integrator that does not itself manufacture cameras may fulfil this requirement through its nominated Camera OEM, supported by OEM authorisation and manufacturer's capacity certificate.	Clause Modified As: The bidder must have an annual capacity to execute similar projects on CCTV surveillance system comprising of supply, installation, testing & commissioning of 100 nos. of similar type of cameras
54	ATC A.2	Bidder must submit information regarding capacity and performance.	Kindly specify the exact documentary evidence required for the 100-camera annual manufacturing capacity and confirm whether an OEM capacity certificate/manufacturer authorisation is sufficient for an MSI/System Integrator bidder.	Clause Modified As: The bidder must have an annual capacity to execute similar projects on CCTV surveillance system comprising of supply, installation, testing & commissioning of 100 nos. of similar type of cameras
55	ATC A.1 / GeM Past Performance	Project-specific ATC refers to Bidder experience, while GeM Past Performance permits Bidder or OEM.	Kindly clarify whether qualifying experience of the nominated OEM can satisfy the project-specific 200-camera experience criterion where the bidder is an authorised MSI/System Integrator.	Clarified as: Experience of the participating bidder as a total turnkey project will be considered.
56	GeM Past Performance / ATC A.1	GeM Past Performance requires 80% of bid quantity in one of the last three financial years, while ATC A.1 requires one 200-camera project in the last five financial years.	Kindly clarify whether both criteria are independently mandatory and whether the same qualifying 200-camera project may simultaneously satisfy the GeM 80% past-performance requirement.	Clarified as: Qualifying / Experience criteria shall be as per the clause no. 24 (Buyer Added Specific Terms & Conditions), A (1).
57	Financial Standing	Turnover is stated with reference to financial years ending 31.03.2025.	Kindly clarify whether FY 2025-26 audited financials may be considered and whether the turnover period will be amended to include the immediately preceding completed financial year.	Tender Condition Prevails

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
58	GeM Bid Details	OEM average turnover requirement is specified.	Kindly clarify whether the OEM turnover criterion applies only to the primary Camera OEM or to each major OEM, and whether global/consolidated Group turnover is acceptable where the Indian entity is the authorised OEM entity.	Clarified as: Financial Standing criteria as per the clause no. 24 (Buyer Added Specific Terms & Conditions), A (3)
59	ATC / GeM Bid Structure	No explicit consortium/JV/team arrangement is clearly stated in the reviewed provisions.	Kindly clarify whether an Indian MSI/System Integrator may participate with specialist OEMs, Group Companies or technology partners through OEM authorisation, teaming or subcontracting arrangements, and whether the associated entity's credentials may be relied upon for the relevant scope.	As per tender conditions.
60	MII Conditions	Class-I/Class-II local supplier requirements and minimum local-content thresholds are specified.	Kindly clarify whether local content is assessed at complete turnkey system level, bidder level or individual product/OEM level, and whether system integration, engineering, installation and O&M manpower/services count towards local content.	As per tender conditions and to the extant MII policy
61	MII Conditions	Non-local suppliers are not eligible under the stated MII conditions.	Kindly clarify that an Indian Class-I/Class-II bidder may use technology, experience, licences and technical support from its foreign parent/group company without the foreign entity itself being treated as the bidder/non-local supplier, subject to applicable local-content requirements.	As per tender conditions and to the extant MII policy
62	GeM Bid / Delivery	Delivery period is stated as 210 days.	Kindly clarify whether 210 days covers complete DSITC including site survey, detailed engineering, procurement, civil/electrical works, installation, integration, FAT/SAT, performance trial and Final Acceptance Certificate, or only physical supply/installation.	Tender Conditions Prevail.
63	Design / Site Visit	Bidder is responsible for detailed site survey and design.	Kindly confirm whether an official joint site survey/access window will be provided and whether existing CCTV, network, electrical and civil as-built drawings/inventory will be shared.	Clarified As: Site visit can be done before the bidder submit the bid. However, available drawings/inventory shall be shared to the successful Bidder.
64	Scope / Existing System	Successful bidder must dismantle and shift existing CCTV infrastructure.	Kindly provide existing CCTV inventory/condition and clarify whether any existing cameras, switches, cabling or other infrastructure is to be reused or only dismantled and shifted.	Clarified As: Existing CCTV setup consisting of 2 NVRs, 94 CCTV Cameras [Mix of PTZ, Bullet, Dome cameras] , 1 L3 Switch, 24 L2 Switches with Racks, Power, Lan and Fiber cabling. CCTV Servers and other accessories.
65	BOQ Item 83	One onsite CCTV Technician is required in general shift for 8 years.	Kindly clarify whether this is a separate post-warranty O&M requirement, whether the eight-year period commences from FAC or commissioning, and the required qualification, working hours, leave replacement and escalation responsibilities.	Clause is Deleted.
66	BOQ Item 83 / Warranty	Comprehensive warranty is 2 years while an onsite technician is required for 8 years.	Kindly clarify whether years 3-8 constitute AMC/O&M under the base contract and specify the SLA, spares, software-support and maintenance obligations during this period.	Comprehensive warranty for the entire CCTV System along with all supplied equipment/accessories for a period of 2 years as per tender terms and conditions.

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
67	BOQ / Warranty	Endpoint security has 8-year support while other software has warranty/update provisions.	Kindly provide the required support/licence duration separately for VMS, AI analytics, ANPR, operating systems, database, endpoint security and other software.	Clarified As: The requirement is for an endpoint security solution for the proposed CCTV/IT infrastructure shall cover all servers/workstations/endpoints , including applicable licences/subscriptions with software updates/support for 2 years. However the licences shall be active, valid and applicable upto minimum 8 years. No requirement of Firewall/UTM is proposed, however if the requirement is mandatory as per design of bidder, bidder shall provide Firewall without any extra cost. . Software licence pertaining to VMS, AI analytics, ANPR, operating systems, database etc shall be completely perpetual with all needed upgrades/updates support shall be provided by Bidders during the complete comprehensive warranty period of contract.
68	Warranty / SLA	Standby/replacement is required if repair exceeds 24 hours for critical and 48 hours for non-critical systems.	Kindly specify minimum mandatory onsite spare quantities or confirm that bidders may determine the spare matrix based on the prescribed SLA.	As per Design
69	Warranty / SLA	24×7 complaint registration, 4-hour response, 24/48-hour resolution and ≥99% uptime are specified.	Kindly clarify whether the 4-hour response means remote acknowledgement/diagnosis or physical onsite response, and from which event the resolution clock is measured.	Clarified As: 24×7 complaint registration shall be available. The 4-hour response means acknowledgement and initiation of technical diagnosis/support; physical intervention shall follow the applicable SLA. Resolution time shall be measured from the logged complaint/incident time. No remote connection permissions shall be granted under any circumstances.
70	BOQ	BOQ contains 200 cameras but 250 VMS licences and 250 Advanced AI Analytics licences.	Kindly clarify whether the system is required to support 200 cameras or 250 cameras from day one and the rationale for procuring 250 VMS and AI Analytics licences.	Clarified As: 250 VMS licences shall be provided by vendor including 50 extra licences for future scalability. AI analytics licence shall be as per the Camera wise needed analytics based as per tender specifications.
71	BOQ / Storage	BOQ specifies 1.5 PB usable NAS, while the storage-server requirement separately specifies minimum usable storage of 380 TB.	Kindly clarify the functional distinction and exact allocation of video, failover, analytics evidence and backup data between the Storage Server and the 1.5 PB NAS.	Clarified As: The mentioned application-server capacity of 380TB shall be treated as inclusive within the stated 1.5PB storage.
72	BOQ / Storage Calculation	Storage calculation is based on 200 cameras, 4 Mbps, 15 FPS, 90 days, RAID-6 and 10% scalability, while 1.5 PB usable NAS is separately specified.	Kindly confirm whether 1.5 PB usable NAS is a mandatory minimum or whether bidders may submit an engineered storage calculation based on the prescribed recording parameters.	Clarified As: The specified 1.5 PB shall be treated as the minimum usable NAS capacity.

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
73	Storage Calculation	Storage sizing basis uses 2560×1440, 15 FPS and 4 Mbps while cameras support higher resolution/FPS.	Kindly confirm whether bidders must use exactly 4 Mbps/15 FPS for sizing or may propose an engineered bitrate/FPS while guaranteeing required image quality and retention.	Tender Conditions Prevail.
74	BOQ / Network Specification	BOQ description and detailed core-switch specification appear to indicate different port configurations.	Kindly confirm the intended core-switch configuration and whether the detailed 2×10GE SFP+ plus 2×100GE configuration is mandatory.	Tender Conditions Prevail.
75	CCTV Network Infrastructure	Network must be redundant/fault tolerant with no single point of failure.	Kindly specify the minimum redundancy expected at access, distribution, core, uplink and power levels, including dual-homing and dual-power-feed requirements.	Clarified As: The proposed architecture shall provide the required redundancy as per design.
76	System Architecture / BOQ	Secure architecture is required and firewall(s) are referenced in the wider scope, but firewall/IDS/IPS quantities and minimum specifications are not clearly itemised.	Kindly clarify whether enterprise firewall, IDS/IPS or equivalent security gateway is mandatory and specify minimum quantity, placement, throughput and HA requirements.	Clarified As: Not required. Tender Conditions Prevail.
77	Quality Assurance & Standards	The specification requires cameras, VMS, recording servers and storage systems to be STQC certified and ER compliant.	Kindly clarify the exact certification/compliance applicable to VMS, servers, storage, switches and analytics where product-specific STQC certification/ER may not exist, and whether applicable ER declarations/OEM certificates will be accepted.	Clarified As: STQC certified and ER compliant requirements shall apply to all the equipment/component where the relevant certification/registration is applicable and issued to the equipment category as per the prevailing guidelines of Government of India. Where no product-specific certification exists from STQC for particular category of products/equipment, applicable statutory/industry compliance and OEM declaration/certification may be accepted subject to verification. Bidder shall map each item to the applicable certificates.
78	Camera Specifications	Certain camera specifications require FIPS 140-2 Level 3.	Kindly clarify whether FIPS 140-2 Level 3 is mandatory for the camera itself, its cryptographic module or the overall solution, and whether an applicable current equivalent certification will be accepted.	Clause Modified As: FIPS 140-2 Level 3 or FIPS 140-3 Level 3, or an equivalent internationally recognized cybersecurity certification/standard applicable
79	Camera / ANPR Specifications	NDAA compliance is specified for certain equipment.	Kindly clarify whether NDAA compliance applies to all cameras/components or only the explicitly specified items, and specify the documentary evidence required.	Tender Conditions Prevail.
80	VMS / Control Room	250 VMS licences are specified with multiple workstations and distributed monitoring clients.	Kindly specify the required number of concurrent users, operator/admin roles, remote clients and simultaneous live-view, playback and export sessions.	Tender Conditions Prevail.

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
81	VMS / AI Integration	ONVIF/RTSP and integration with analytics, access control, fire alarm and video wall are required.	Kindly confirm whether REST/API/SDK integration is mandatory and provide available interface specifications for existing third-party systems.	Clarified As: The VMS shall provide documented open interfaces appropriate to the required integrations, including ONVIF/RTSP and API/SDK capability where ever required.
82	Testing & Commissioning	AI analytics validation requires false alarm rate <2% and detection accuracy ≥95%.	Kindly define the test methodology, dataset/sample size, environmental conditions, camera-wise use cases and measurement formula for false alarm rate and detection accuracy.	Tender Conditions Prevail.
83	AI Analytics / BOQ	250 analytics licences are specified and multiple AI use cases are listed.	Kindly provide camera-wise mapping of mandatory analytics and clarify whether all listed analytics must operate simultaneously on every camera or only on designated cameras/zones.	Clarified As: Lumpsum qty of analytics required among 200 cameras to be supplied is already mentioned in the tender, so it is to mention that Each camera shall support multiple AI analytics features simultanuosly, list of camera wise AI analytics requirement shall be shared to Successful bidder.
84	ANPR	ANPR includes whitelist/blacklist database integration and gate/barrier integration.	Kindly provide existing database/API details, data fields, synchronisation method and gate/barrier interface protocol, or clarify that these interfaces are bidder-proposed.	Clarified As: Bidder shall develop a new ANPR system and this ANPR system supplied shall be integrated to gate/barrier integration if future requirement arises. Necessary interfaces shall be included and demonstrated during FAT/SAT; proprietary interfaces shall not prevent specified interoperability.
85	VMS / Forensic Evidence	Tamper-proof recording, immutable audit trail and evidence export are required.	Kindly clarify the required evidentiary format, digital signature/watermarking standard, chain-of-custody procedure, export media and retention requirements.	Clarified As: The VMS shall provide tamper-evident evidence export, audit trail and integrity verification. Bidder shall provide a commonly usable export format with suitable hash/digital-signature/watermark capability and relevant metadata.
86	DR Requirement	Configuration backup and DR drill are required; the BOQ primarily provides local primary/failover storage.	Kindly clarify whether geographically separate Disaster Recovery is required or whether local hot-standby/failover plus configuration backup constitutes the complete DR requirement.	Clarified As: Unless a separate DR site is expressly included, local high-availability/hot-standby/failover with secure configuration backup shall constitute the minimum DR capability.
87	Power / UPS / DG	60 kVA UPS with one-hour backup and 60 kVA DG are included.	Kindly confirm whether these ratings are fixed mandatory values or bidders may submit calculated load-based capacity subject to the specified autonomy and redundancy requirements.	Clarified As: The specified 60 kVA UPS and 60 kVA DG shall be treated as the minimum requirement.
88	BOQ / Server Room	Access Control – Complete Scope	Kindly clarify whether access-control controllers, software, enrolment system/database, management console and all integration licences are included in the bidder's scope.	Clarified As: Yes.
89	BOQ	PA / Two-Way Audio	Kindly provide camera-wise mapping and clarify whether full-duplex audio, recording, operator-to-site communication and audio retention are required.	Clarified As: As per Design during execution

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
90	BOQ / Control Room	PA / Two-Way Audio	Kindly clarify whether redundant video-wall controllers, automatic failover and redundant power are mandatory and should be priced in the BOQ.	Clause Modified As: Redundancy shall be provided for the video-wall controller where required to avoid a single point of failure. Automatic failover and redundant power shall be included where specified/required by the approved design. Required controller hardware/licences shall be included and itemized.
91	Testing & Commissioning	Testing – FAT/SAT/Burn-in	Kindly provide the detailed FAT/SAT test matrix and clarify whether bidder may submit an equivalent detailed test procedure for approval prior to FAT/SAT.	Tender Condition Prevails: May refer Page No: 106, [12-N-1]. FINAL ACCEPTANCE TEST (FAT) of issued Tender document. Detailed FAT/SAT Test protocol shall be issued by IGMH before FAT.
92	Cybersecurity Scope	Cybersecurity – VAPT / SIEM / SOC	Kindly clarify whether VAPT, SIEM/SOC integration, continuous security monitoring, incident response and cybersecurity incident reporting are within the bidder's scope.	Clarified As: VAPT/security assessment of supplied CCTV/IT security components shall be carried out where specified or directed, with remediation of identified vulnerabilities within scope during the period of comprehensive warranty. SIEM/SOC integration shall be included where specified; otherwise required security logs/interfaces shall be provided for IGMH integration. Incident reporting, patching and remediation support remain bidder O&M responsibilities.
93	Cybersecurity / O&M	Maintenance – OEM Remote Access	Kindly clarify the permitted mechanism for OEM remote support, including whether remote access to CCTV/VMS infrastructure is permitted and what approval, logging and access-control controls will apply.	Clarified As: Remote access shall not be permitted under any circumstances. Software/Firmware support shall be done by physically visiting IGMH site with appropriate prior approvals from IGMH.
94	Warranty / O&M	Maintenance – Spares Location	Kindly clarify whether a minimum onsite spare inventory is mandatory and whether critical spares must be maintained at IGM Hyderabad throughout the warranty/O&M period.	As per design proposed by the bidder.
95	ATC A.17	Experience documents are required as evidence of execution.	Kindly confirm whether a consolidated global experience dossier may be submitted containing client certificates, project descriptions, system architecture, camera quantities, commissioning/acceptance evidence and operational-period confirmation for overseas/Group Company projects.	As per tender conditions
96	[12.0] – Comprehensive Warranty	Warranty	Does the 24x7 support requirement refer to resolving the issue or only for call registration?	As per tender conditions
97	[12-O]. COMPREHENSIVE WARRANTY:	pp.15, 18, 114–116	Confirm whether the intended arrangement is 2 years warranty + 6 years comprehensive AMC, or only 8 years of technician/security support. Issue an explicit post-warranty scope and duration.	Comprehensive warranty for a period of 2 years as per tender terms and conditions. On site technician deputation not required after expiry of warranty period.

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
98	Bid Details: Point.10	Reverse Auction	The tender specifies Reverse Auction amongst technically qualified bidders and total-value-wise evaluation; however, the detailed methodology for financial evaluation and final selection is not explicitly specified. Kindly clarify the complete step-wise evaluation and award methodology, including identification of H1, RA eligibility, components considered for RA/total bid value, GST/taxes, final L1, tie handling, H1 treatment under exceptions, and sequence of MSE/Make in India purchase preference. It is requested that the bidder with the lowest final evaluated total value after RA and applicable preference provisions be considered for award.	Tender Conditions Prevail.
99	B. 1. 10. Wide Dynamic Range:	Wide Dynamic Range: Not less than 132 dB (Super Dynamic + ABS)	The specified 132 dB WDR requirement may be restrictive. Request 120 dB True WDR or better.	Clause Modified As: True WDR of ≥ 120 dB
100	B. 1. 22. Aperture: 23. Field of View B. 2. 21. Aperture: 22. Field of View	Aperture: F1.3 – F2.5 or better, Field of View: 33° – 103° (Horizontal) or better	Requests removal of exact FoV mapping to single OEM	Tender Conditions Prevail.
101	B.2.38. Dimensions:	Dimensions: Ø154 mm × 105 mm	Request removal of model-specific dimensional specification.	Clause Modified As: As per OEM design
102	B.2.40. Power Consumption	Power Consumption: Approx. 12W	Request removal of exact power specification.	Clause Modified As: As per OEM design
103	B.2. 31.Audio Mode: & 32. Audio Ports:	Audio Mode: Full Duplex, Audio Ports: 3.5 mm In/Out	Request equivalent interface and omission where audio is not required for outdoor bullet cameras.	Clause Modified As: For audio, 3.5 mm interface or equivalent line-level/audio input-output interface may be accepted.
104	B.3. 59. Power Consumption:	Power Consumption: ~45.9W or efficient	Request generic limit such as <50 W or <60 W.	Clause Modified As: As per OEM design
105	B.3. 54. Operating Temperature	Operating Temperature - 50°C to +60°C	Request 0°C to 55°C based on Hyderabad conditions.	Clause Modified As: The Operating temperature from -30°C to +60°C
106	B.3.56. Protection: 57. Wind Resistance: 58. Power Supply:	56. Protection: IP66, IK10 57. Wind Resistance: Up to 40 m/s 58. Power Supply: PoE++ (IEEE 802.3bt)	Request generic treatment because the combination may restrict OEM participation.	Clause Modified As: IP66 or better shall be retained for outdoor PTZ. IK10+ or Equivalent impact protection.
107	[6-4-1].	STORAGE REQUIREMENT MINIMUM PREFERRED PARAMETERS FOR DATA RETENTION PERMANENTLY RETAINING TO 200 CAMERAS:	Bullet, Dome, PTZ and ANPR cameras are specified as 5MP (e.g. 3072×1728), whereas storage calculation is based on 2560×1440 (4MP). Please clarify whether the storage architecture must accommodate 5MP or 4MP stream profiles.	Tender Conditions Prevail.

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
108	BOQ and Section [6-1]	[6-1]. VMS SERVER : The specifications mentioned herein are indicative and minimum in nature. Bidders are permitted to offer products with equal or superior specifications, subject to compliance with the overall functional requirements of the tender.	BOQ lists 1× Central VMS Server (Primary) and 1× Redundant VMS Server (Failover), while Section [6-1] refers to N+1 failover architecture. Please clarify whether a single failover server is acceptable or multiple servers are expected to meet N+1.	Clarified As: The requirement is for an N+1 Redundant VMS Architecture as specified in Section 6-1 of the tender document. The bidder shall comply with the N+1 VMS architecture requirement, including all necessary hardware, software, licenses and associated components
109	BOQ Item 20; Sections [6-4-1] & [6-4-2]		BOQ specifies 1.5 PB usable NAS, while the technical clause requires a calculation for 200 cameras, 4 Mbps, 90 days retention and 10% scalability. If the mathematical calculation yields less or more than 1.5 PB, should bidder quote exactly 1.5 PB usable or size it to the calculation?	Clarified As: The specified 1.5 PB shall be treated as the minimum usable NAS capacity.
110	[6-4-2]	[6-4-2] NAS STORAGE SERVER MAIN PRIMARY: FOR 90 DAYS (VIDEO DATA)	Intel Xeon Gold, 12 Core, 64GB Cache, Dual Controller, 36 Bays specification is mentioned under a NAS Storage Server heading. Please clarify whether this is Storage Server hardware or VMS Server specification and provide separate specifications for Primary VMS, Failover VMS, NAS Primary, NAS Failover and Analytics Evidence Storage.	Tender Conditions Prevail.
111	[6-4-1]: Retention:	Retention: Minimum 90 consecutive days for main and 30 days for failover;	Please clarify whether failover storage requires separate physical hardware or can be a partitioned allocation within the primary NAS.	Clarified As: The specified 1.5 PB shall be treated as the minimum usable NAS capacity.
112	[6-3]	[6-3]. APPLICATION SERVER	Application Server requires minimum 380 TB usable storage inside a 4U frame along with 3× NVIDIA A4000 Ada GPU cards. Please clarify whether 380 TB storage can be provisioned externally via NAS or must be entirely internal to the application server.	Clarified As: The mentioned application-server capacity of 380TB shall be treated as inclusive within the stated 1.5PB storage.
113	A. 19 & 20	19. Storage Server with 90 Days Retention (Capacity for 200 cams video footage, ANPR data and analytics backup retention). 20. 1.5PB usable NAS Storage with Dual Controller and other required accessories for 90 days Storage	BOQ provides a Storage Server with 90-day retention and 1.5 PB usable NAS. Detailed specification also describes primary/failover/analytics evidence storage. Clarify the exact architecture, capacity and purpose of each storage component and whether Item 19 is additional to Item 20.	Clarified As: The specified 1.5 PB shall be treated as the minimum usable NAS capacity.

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
114	A. 19 & 20	20. 1.5PB usable NAS Storage with Dual Controller and other required accessories for 90 days Storage	1.5 PB usable NAS with dual controller is specified. Confirm whether 1.5 PB usable capacity is required after RAID-6, hot spare and protection overheads, and whether it is exclusively for video recording.	Clarified As: The specified 1.5 PB shall be treated as the minimum usable NAS capacity.
115	Storage Calculation		Storage specifications prescribe 200 cameras, 2560×1440, 15 FPS, H.265/H.265+, 4 Mbps CBR and continuous recording in relevant sections. Confirm the mandatory storage calculation basis for bid evaluation and the retention allocation among primary, failover and analytics evidence storage.	Tender Conditions Prevail.
116			Tender requires 24x7 operation and recording not to be lost on equipment or communication network failure. Clarify the mandatory core/access/fiber redundancy topology and failover architecture.	Clarified As: The proposed architecture shall provide the required redundancy with appropriate failover.
117	A. 17& 21	VMS Video Management Software license 250 Nos. Advanced AI Video Analytics License 250 Nos.	Confirm whether 250 licenses represent future expansion capacity or whether additional expansion capacity is required beyond 250 channels.	250 VMS licences shall be provided by vendor including 50 extra licences for future scalability. AI analytics licence shall be as per the Camera wise needed analytics as per tender specifications.
118	A. 21	Advanced AI Video Analytics License 250 Nos.	250 advanced AI analytics licenses are specified while different analytics apply to different use cases. Clarify whether all listed analytics must be available simultaneously on every licensed channel or may be allocated according to required use cases.	Tender condition Prevails
119	[12-N-1].	FINAL ACCEPTANCE TEST (FAT)	Tender specifies analytics performance requirements. Define the test methodology, environmental conditions, duration and calculation method for accuracy and false-alarm acceptance.	May refer Page No: 106, [12-N-1]. FINAL ACCEPTANCE TEST (FAT) of Tender document.
120	Certification:	Certification: STQC and ER Certified, BIS Registered, CE	Specify the exact mandatory certificates/documents required for cameras, VMS, servers, storage and network equipment.	Tender Condition Prevails. Clarified As: STQC certified and ER compliant requirements shall apply to all the equipment/component where the relevant certification/registration is applicable and issued to the equipment category as per the prevailing guidelines of Government of India. Where no product-specific certification exists from STQC for particular category of products/equipment, applicable statutory/industry compliance and OEM declaration/certification may be accepted subject to verification. Bidder shall map each item to the applicable certificates.

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
121	Camera/VMS OEM Architecture		Tender requires a genuine camera manufacturer with service support in India. Confirm whether Bullet, Dome, PTZ and ANPR cameras must be from one OEM or whether multi-OEM with ONVIF/API-integrated VMS is acceptable.	Clarified As: The categorywise CCTV Cameras (Bullet, Dome, PTZ and ANPR), shall be from a single OEM.
122	A. 4 & 5		Item 4 includes ANPR camera with auto-tracking license and Item 5 separately includes ANPR license. Clarify auto-tracking functionality and whether licensing is camera-, VMS- or analytics-server-based.	Clarified As: Where the same functionality is already included in the camera/VMS/analytics platform, duplicate licensing shall not be quoted.
123		ANPR Installation Parameters	ANPR performance depends on installation geometry and site conditions. Provide lane width/layout, mounting height, distance, angle and maximum vehicle speed for the three ANPR locations.	Clarified As: It is the responsibility of Bidder, that Final ANPR mounting geometry shall be established through a detailed site survey and approved shop drawing before installation. The bidder shall verify lane width, camera height, distance from capture point, horizontal/vertical angle, illumination and expected vehicle speed at each of the three locations. The bidder shall design and commission the ANPR system to achieve the specified detection, recognition and identification performance under the actual site conditions.
124	A.6	Industrial microSDXC Card – 128 GB 200 Nos	Confirm the card requirement applies to all 200 cameras and clarify acceptable documentary evidence for endurance/power-loss protection.	Tender Condition prevails
125	A.7	IP Based Public Addressing Speakers with accessories for Two-way audio requirement at CCTV Cameras 28 Nos	Provide the locations and clarify whether microphones/audio interfaces or other accessories are required.	Clarified As: As per design during execution
126	A. 10,11 &12	24 - Port PoE+ Managed Switch With 4 SFP 15 Nos. 16- Port PoE+ Switch With 2 SFP 32 Nos. 16- Port PoE+ Outdoor Industrial Switch With 2 SFP 8 Nos	Specify the minimum PoE power budget per switch category and design assumptions for cameras and IP speakers.	Clarified As: As per design during execution
127	[12-P].	[12-P]. GENERAL TERMS AND CONDITIONS:	Tender states expressly mentioned BOQ quantities are minimum and additional quantities necessary for compliant turnkey implementation are contractor responsibility. Clarify which quantities are fixed contractual quantities and the commercial treatment of additional quantities caused by approved design/site conditions.	Tender Condition prevails

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
128		Cabling / Routing	Tender states additional cable required due to contractor's approved routing/designs is included in contract price. Provide available route drawings/site information and clarify treatment of unforeseen underground obstructions and route changes instructed by IGMH.	Clarified As: Site visit can be done before the bidder submit the bid. However, available drawings/inventory shall be shared to the successful Bidder.
129		Civil Works / Road Cutting	Scope includes excavation, road cutting, restoration and turnkey civil/fabrication works. Clarify responsibility for permissions/NOCs, underground utility identification, restoration standards and debris disposal.	Clarified As: The bidder/contractor shall be responsible for necessary execution permissions, safe work practices, barricading, utility coordination, excavation, road cutting, reinstatement and debris disposal associated with its works, subject to IGMH/site rules. IGMH shall provide reasonable site access and available information regarding known utilities. Restoration shall be to the same or better condition and in accordance with applicable site/engineering standards. DG Set Statutory permissions falling specifically on the IGMH shall be obtained by Vendor as applicable.
130		Existing Infrastructure	Bidder is responsible for detailed engineering and area-wise design. Provide available drawings/details of existing CCTV, fiber, ducts, racks, power, existing server room and monitoring room infrastructure.	Clarified As: The bidder may conduct a detailed site survey for knowing actual nature of works and get aware about actual site conditions and prepare the drawings as per Bidders own design. Server room and Monitoring room shall be designed as a completely new setup.
131	A.36	60KVA Modular UPS with 1 Hr backup along with Batteries, racks and accessories	Confirm whether 60 kVA is a fixed mandatory rating irrespective of calculated load and clarify permitted battery technology and backup-test conditions.	Tender Conditions Prevail.
132	A.37	60 kVA DG with associated works is specified.	Clarify whether DG is dedicated to CCTV and confirm fuel, foundation, exhaust, testing and statutory approval scope.	Tender Conditions Prevail.
133	A.83	Deployment of Onsite CCTV Technician (1 No's) at site location in General Shift during all working days of IGM Hyderabad: 8 Years	Specify working days/hours, qualification, attendance, leave/replacement provisions and service responsibilities.	Clause is Deleted. No requirement of One onsite CCTV Technician post warranty period. Whereas support during comprehensive warranty period shall be as per tender terms and conditions.
134		Warranty vs 8-Year Support	Major equipment has warranty requirements while onsite technician support extends for 8 years. Clarify Year 3-8 obligations for hardware spares, software/firmware updates, licenses, preventive maintenance and OEM support.	Tender Conditions Prevail: And Clarified As: All terms and conditions as per the tender pertains to 2 years Comprehensive warranty period shall prevail.

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
135	A.22	End Point Security with 8 years support: 1 Lot	Specify number/type of protected endpoints and whether endpoint security/EDR or firewall/UTM is required, and whether licenses remain active for the full 8-year period.	Clarified As: The requirement is for an endpoint security solution for the proposed CCTV/IT infrastructure shall cover all servers/workstations/endpoints , including applicable licences/subscriptions with software updates/support for 2 years. However the licences shall be active, valid and applicable upto minimum 8 years. No requirement of Firewall/UTM is proposed, however if the requirement is mandatory as per design of bidder, bidder shall provide Firewall without any extra cost.
136	A.23	Videowall with display push pull mounting, controller and software 1 set	Detailed specification states professional 55-inch-or-better 24x7 panels, but panel count/layout determines controller sizing. Confirm number of panels, wall configuration and controller input/output capacity.	Tender Conditions Prevail.: Please refer tender clause [8-1]. VIDEOWALL WITH DISPLAY PUSH PULL MOUNTING AND CONTROLLER
137	Servers	Central VMS, failover VMS and application servers are specified.	Confirm whether bidders may size CPU/RAM/GPU/NIC/RAID based on the offered architecture subject to tender minimums.	Tender Conditions Prevail.
138	AI Compute / GPU	AI analytics may require GPU/accelerator hardware depending on architecture.	Clarify whether required GPU/accelerator hardware is included within server items or must be added by bidder in BOM at no additional cost.	Tender Conditions Prevail.
139	A.17	VMS Video Management Software license: 250 Nos	Clarify whether licenses must be perpetual and specify software support, version upgrades and cybersecurity update duration.	Tender Conditions Prevail.: Vendor has to supply 250 Licences including 50 licences for future scalability. The VMS base licenses shall be perpetual.
140	[12-N].	[12-N]. TESTING & COMMISSIONING:	Tender specifies extensive FAT/final acceptance documentation and testing. Provide/confirm objective pass-fail criteria for storage retention, failover, analytics, ANPR, network redundancy, UPS/DG and video wall.	Tender Conditions Prevail.:Refer tender clause : [12-N]. TESTING & COMMISSIONING.

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
141	24x7 Operation / Uptime		General terms require 24x7 operation and protection against loss of recording. Define contractual uptime measurement, planned-maintenance exclusions and redundancy/failover acceptance criteria.	Tender Conditions Prevail: The system shall be designed for continuous 24x7 operation, Bidder shall design and ensure fail proof system with continuous recording capabilities and adequate failover system established for HA system. Failover shall be demonstrated by controlled failure of relevant links/equipment and restoration without unacceptable loss of recording or system functionality. The final SLA shall define response, restoration and uptime measurement requirements consistent with the tender terms. 24x7 complaint registration shall be available. The 4-hour response means acknowledgement and initiation of technical diagnosis/support; physical intervention shall follow the applicable SLA. Resolution time shall be measured from the logged complaint/incident time. No remote connection permissions shall be granted under any circumstances.
142	Completion Period		Project includes detailed engineering, civil works, supply, installation, testing and commissioning. Clarify whether the completion period starts from GeM contract date or site handover/approval of detailed engineering drawings.	Clarified As :Date of completion of project shall be the date of issuing of Final Acceptance Certificate by IGMH after succesful commissioning of system by vendor as per detailed Testing conditions as per Tender.
143	12-P. 65	Proof of Concept (POC): Qualified bidders must demonstrate use cases including ONVIF conformance , IR features, and limited Analytics at IGM Hyderabad.	Tender states qualified bidders must demonstrate ONVIF conformance, IR features and limited analytics at IGMH. Clarify POC timing, exact use cases/equipment, notice period and pass-fail criteria.	Clause Deleted: Page No.122 Point No: 65 under 12-P is deleted.
144	[7-3-1]. 2	AI analytics shall be both edge-based and server-based	Kindly clarify the exact bifurcation of analytics required to operate at Edge and those required to operate on the Central AI Analytics Server. We request that advanced analytics such as Aggressive Behaviour, Smoke & Fire, People Gathering, Missing Object, Loitering, Intrusion, Line Crossing, etc. may be permitted to operate on the centralized AI Analytics platform; ANPR based analytics can be performed on edge level.	Clarified As: As per tender, permitted architecture flexibility, subject to functional compliance. IGMH shall permit the analytics architecture to be distributed between edge devices and the Central AI Analytics Server, provided all analytics and quantities expressly specified in the tender are fully supported and demonstrated. The bidder shall clearly submit a camera-wise analytics architecture identifying which analytics are processed at edge and which are processed centrally.

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
145	[7-3-1]. 6	Integration with VMS via ONVIF / API / SDK	Kindly confirm that the Video Analytics solution may be provided by an independent specialized Video Analytics OEM, different from the Camera OEM and VMS OEM, provided the solution integrates seamlessly with the proposed cameras/VMS through ONVIF/API/SDK and meets all functional requirements.	Clarified As: As per tender Video Analytics are required both at Edge level and Server level as per design of bidder provided meeting all AI analytics requirements as per Tender.
146	[7-3-1]. 4 & c.i	Minimum 95% detection accuracy (OEM declared). Minimum detection accuracy: ≥ 90–95% (OEM declared)	Kindly clarify the methodology, environmental conditions, dataset/sample size and denominator for calculation of analytics accuracy during POC/SAT/FAT. We request that accuracy be evaluated under mutually agreed site conditions and use-case-specific acceptance methodology finalized during system design.	As per Tender
147	[12-N-2]. 9	AI Analytics Test: Each analytics function shall be demonstrated under site conditions:	Kindly confirm the number of test scenarios/events per analytic and the acceptance criteria including false positive/false negative tolerance for SAT/FAT.	As per Tender
148	[7-3].3	Face Detection 81 No's	Tender specifies Face Detection for 81 cameras; tender also mentions 500 PPM for “facial matching / watchlist matching”. The analytics specification requires Face Detection and specifically states that it does not necessarily identify persons. Clarification is requested that facial matching/watchlist matching is NOT part of the present scope and that the requirement is limited to detection and capture of facial snapshots/metadata.	Clarified As:The reference to 500 PPM may be disregarded for interpretation of the Facial Detection requirement. For clarification of the requirement, the bidder shall refer to Point No. 15 of Section [7-3-1] – Terms and Conditions of AI Analytics of the tender document, which shall govern the requirement related to Facial Detection.
149	24.A.2	Capability - Equipment & manufacturing Facilities: The Bidder firm must have an annual capacity to manufacture and supply at least 100 similar types of Cameras. Bidder has to submit the following information regarding capacity and performance:	Request revision to: “The bidder or proposed Camera OEM shall have capacity to manufacture/supply at least 100 similar IP cameras annually. Where the bidder is not the manufacturer, OEM authorization shall be submitted.”	Clause Modified As: The bidder must have an annual capacity to execute similar projects on CCTV surveillance system comprising of supply, installation, testing & commissioning of 100 nos. of similar type of cameras
150	A.83	Deployment of Onsite CCTV Technician (1 No's) at site location in General Shift during all working days of IGM Hyderabad for 8 years	Comprehensive Warranty is 2 Years from FAC; one onsite CCTV technician is specified for 8 years. Kindly clarify whether deployment of one onsite CCTV technician is required for 8 years or only during the 2-year comprehensive warranty/support period. If 8 years is intended, kindly specify the post-warranty O&M scope, SLA, working days/hours, escalation mechanism and payment mechanism for Years 3–8.	Clause is Deleted.

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
151	A.22	End Point Security with 8 years support	Endpoint Security with 8 years support is specified, while system comprehensive warranty is 2 years. Kindly clarify whether Endpoint Security licences/subscriptions are required for 8 years. If yes, please clarify whether all servers/workstations/endpoints shall be covered for the entire eight-year period and <u>provide the exact endpoint quantity</u> .	Clarified As: Comprehensive warranty for a period of 2 years as per tender terms and conditions.
152	24.E.3	Terms and Mode of Payments: 100% Payment shall be released within 30 days from the date of acceptance by Mint Authorities subject to online submission of Bills.	Final Acceptance follows FAT/SAT and a 30-day performance/observation period. Considering the substantial upfront procurement of cameras, servers, 1.5 PB storage, networking and associated infrastructure, request milestone payment such as 70% on supply and receipt of material, 20% after successful installation/SAT, and 10% after successful ...	Tender Conditions Prevail.
153	12-P. 65	Proof of Concept (POC): Qualified bidders must demonstrate use cases including ONVIF conformance , IR features, and limited Analytics at IGM Hyderabad.	Kindly specify the exact analytics use cases, number/type of cameras, hardware to be deployed, duration, evaluation parameters, infrastructure/power/network availability and time allowed for POC preparation. The source image truncates the remainder of the requested clarification.	Clause Deleted:
154	MSE Relaxation for Years Of Experience and Turnover		Is MSME Service provider exempted from complete experience and turnover if provided MSME and NSIC Certificate?	Clarified as: As per extant guidelines of MSME
155	Startup Relaxation for Years Of Experience and Turnover		Is Startup Service Provider exempted from complete experience and turnover if provided Startup Certificate?	Clarified as: As per extant guidelines of MSME
156	Bid Submission Date (BOD)		Kindly extend the Bid Submission Date (BOD) from 3rd October 2026 to 13th October 2026, citing the preceding government holiday and time required for OEM documents.	All prospective bidders will be given 14 days from the date of publishing of the corrigendum
157	EMD		Is MSME and NSIC registered service providers exempted from EMD?	Clarified as: As per extant guidelines of MSME
158	BOQ		Specification document contains 83 line items; Price Bid Excel contains 12 line items. Kindly check and update the Price Bid accordingly to include all the required line items.	As per Tender technical specifications
159	A.7	IP Based Public Addressing Speakers with accessories for Two-way audio requirement at CCTV Cameras 28 Nos	Kindly specify the requirement/need of each item briefly for better understanding of the scope.	Tender Conditions Prevail. Please refer Tender clause [10-C] page number 74.

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
160	A. 19&20	Storage Server with 90 Days Retention (Capacity for 200 cams video footage, ANPR data and analytics backup retention). 1.5PB usable NAS Storage with Dual Controller and other required accessories for 90 days Storage	Storage server/NAS are included in BOQ. A server for storage is already included in the BOQ. Kindly clarify why a NAS is additionally required and specify its intended purpose.	Tender Conditions Prevail.
161	Pre-Bid Site Survey		Kindly confirm whether a site survey can be conducted during the pre-bid meeting to understand the site conditions and assess the actual scope of work.	Tender Conditions Prevail. Site visit can be done before the bidder submit the bid.
162	AI Analytics Server		AI Analytics Server is mentioned in the technical specifications but is not included in the BOQ. Kindly clarify and update the BOQ accordingly.	Clarified As: Item needs to be supplied as per Point No. 6-2 of Tender Specification
163	Fire Alarm System / Manual Call Point / Smoke Detector		Items such as Manual Call Point and Smoke Detector are mentioned in the technical specifications but are not included in the BOQ. Kindly clarify/update the BOQ accordingly.	Clarified As: Item needs to be supplied as per Tender Specification
164	A.22	End Point Security with 8 years support 1 Lot	Kindly clarify the exact scope and specifications for End Point Security under this line item. Please confirm whether Endpoint Security/EDR solution or Firewall/UTM is required, as both are technically different security solutions. Kindly specify the required quantity, licensing/subscription, and 8-year support requirements to enable us to quote accordingly.	Clarified As: The requirement is for an endpoint security solution for the proposed CCTV/IT infrastructure shall cover all servers/workstations/endpoints , including applicable licences/subscriptions with software updates/support for 2 years until expiry of Comprehensive warranty.
165	A.33	2-zone conventional fire alarm system with axillary equipment/accessories for server room 1 Lot	We request you to kindly provide the complete BOQ for the 2-Zone Conventional Fire Alarm System, including all the required components and quantities, so that all bidders can quote the appropriate products and submit their bids accordingly.	Clarified As: The BOQ shall be read together with the technical specifications Point No. 10-B of tender.
166	A.34	Ultrasonic Rodent Repellent Panel Supports Up to 12 Transducers. 20KHz (Variable) Operating frequency 2 No's	We request you to kindly share the complete technical specifications of the required product, so that all bidders can quote the appropriate product and participate in the tender accordingly.	Requirement is Deleted

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
167	A.35	Ultrasonic Rodent Repellent Transducer: 80dB to 110dB sound pressure, ABS Plastic housing with mounting base. CE approved. 12 No's	We request you to kindly share the complete technical specifications of the required product, so that all bidders can quote the appropriate product and participate in the tender accordingly.	Requirement is Deleted
168	A.64	Fiber Joint Enclosure 20 Nos	We request you to kindly share the complete technical specifications of the required product, so that all bidders can quote the appropriate product and participate in the tender accordingly.	Clarified As: As per relevant IS standards
169	A.82	Dismantling of Existing CCTV Infrastructure & Safe Shifting to Designated Location: 01 Ls.	We request the Purchaser to kindly share the complete details and inventory of the existing CCTV infrastructure to be dismantled and safely shifted, including make/model, quantity, equipment type, approximate size/weight, and the designated shifting location, to enable accurate assessment of the scope and quotation.	Clarified As: Brief inventory : Total CCTV setup consisting of 2 NVRs, 94 CCTV Cameras [Mix of PTZ, Bullet, Dome cameras] , 1 L3 Switch, 24 L2 Switches with Racks, Power, Lan and Fiber cabling. CCTV Servers and other accessories. It is bidders responsibility to completely dismantle and shift the entire old system material to the nominated storage area with the approval of IGMH. No existing inventory shall be reused under any circumstances.
170	B. TECHNICAL SPECIFICATIONS AND SCOPE OF WORK: 1& 2& 3& 4. 2. Certification:	Certification: STQC and ER Certified, BIS Registered, CE	We request the Purchaser to kindly consider STQC & ER Certified / BIS Registered / STQC Test Report / CE Certified products as acceptable alternatives, as these certifications/test reports demonstrate compliance with applicable quality, safety, and regulatory requirements. This will ensure wider participation of technically compliant OEMs without compromising the required product standards.	Clarified As: STQC certified and ER compliant requirements shall apply to all the equipment/component where the relevant certification/registration is applicable and issued to the equipment category as per the prevailing guidelines of Government of India. Where no product-specific certification exists from STQC for particular category of products/equipment, applicable statutory/industry compliance and OEM declaration/certification may be accepted subject to verification. Bidder shall map each item to the applicable certificates.
171	B.1.6. Resolution:	Resolution: Up to 3072 × 1728 @ 30 fps	We request the Purchaser to kindly consider 5 MP resolution (2592 × 1944) @ 30 fps as an acceptable alternative, as it provides equivalent high-resolution imaging performance and will allow wider participation of technically compliant products.	Clause Modified As: Resolution: 3072 × 1728 or equivalent as per design of the camera, subject to meeting all specified AI, image-quality and frame-rate requirements.
172	B.1.10. Wide Dynamic Range:	Wide Dynamic Range: Not less than 132 dB (Super Dynamic + ABS)	We request the Purchaser to kindly consider 130 dB WDR as an acceptable alternative, as the marginal difference of 2 dB will not significantly affect the camera's practical performance in high-contrast lighting conditions and will enable wider participation of technically compliant products.	Clause Modified As: True WDR of ≥120 dB

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
173	B.1.20	Zoom: 3.1x Optical or better	We request the Purchaser to kindly remove this requirement or make it optional, as optical zoom capability depends on the camera's intended application and lens configuration. Making a specific optical zoom factor mandatory may unnecessarily restrict technically suitable products with equivalent imaging performance and field-of-view coverage.	Tender Conditions Prevail.
174	B.1.23	Field of View 34°–106° (Horizontal)	We request the Purchaser to kindly consider a Horizontal Field of View of 28.5°–100° as an acceptable alternative. The proposed range provides adequate wide-angle and telephoto coverage for surveillance applications, while the variation in FOV is primarily dependent on the camera's lens and sensor configuration. A marginal difference in the specified FOV does not materially impact the camera's overall surveillance performance. Hence, accepting the proposed range will allow wider participation of technically equivalent products without compromising the intended functionality.	Tender Conditions Prevail.
175	B.1.24	Focus Range 0.3 m to ∞	We request the Purchaser to kindly remove this requirement or make it optional, as the minimum focus distance is dependent on the lens and camera design and may vary across OEMs. Making a specific focus range mandatory may unnecessarily restrict technically equivalent products without providing any significant advantage to the intended surveillance application.	Tender Conditions Prevail.
176	B.1.30	Operating Temperature: -40°C to +60°C	We request the Purchaser to kindly consider -30°C to +60°C as an acceptable alternative, as this range provides adequate operating performance for most surveillance environments. The additional requirement of -40°C may unnecessarily restrict equivalent OEM products, while -30°C to +60°C maintains reliable camera operation without compromising the intended surveillance functionality.	Clause Modified As: The Operating temperature from -30°C to +60°C
177	B.1.34	Wind Resistance: Up to 40 m/s	We request the Purchaser to kindly remove this requirement or make it optional, as wind resistance is primarily dependent on the camera mounting arrangement, pole/bracket design, installation height, and site-specific wind conditions. Making a specific 40 m/s rating mandatory may unnecessarily restrict technically equivalent products.	Tender Conditions Prevail.
178	B.1.40	NAND Type: High Endurance MLC / pSLC (preferred for industrial use)	We request the Purchaser to kindly make the NAND Type requirement optional or remove it, as NAND technology (MLC, pSLC, TLC, etc.) varies across OEMs and does not by itself determine the overall surveillance performance. Acceptance of equivalent NAND technologies will allow wider participation of technically compliant products without compromising the intended functionality.	Tender Conditions Prevail.

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
179	B.2.6	Resolution: 3072×1728 (16: 9), 3072×2304 (4: 3) @ 30 fps	We request the Purchaser to kindly consider 5 MP resolution (2592 × 1944) @ 30 fps as an acceptable alternative, as it provides equivalent high-resolution imaging performance and will allow wider participation of technically compliant products.	Clause Modified As: Resolution: 3072×1728 (16:9), 3072×2304 (4:3) @ 30 fps or better as per design of the camera, subject to meeting all specified AI, image-quality and frame-rate requirements.
180	B.2.9	Wide Dynamic Range: not less than 132 dB	We request the Purchaser to kindly consider 130 dB WDR as an acceptable alternative, as the marginal difference of 2 dB will not significantly affect the camera's practical performance in high-contrast lighting conditions and will enable wider participation of technically compliant products.	Clause Modified As: True WDR of ≥120 dB
181	B.2.19	Optical Zoom: 3.1x Motorized	We request the Purchaser to kindly remove this requirement or make it optional, as optical zoom capability depends on the camera's intended application and lens configuration. Making a specific optical zoom factor mandatory may unnecessarily restrict technically suitable products with equivalent imaging performance and field-of-view coverage.	Tender Conditions Prevail.
182	B.2.22	Field of View: 33° – 103° (Horizontal) or better	We request the Purchaser to kindly consider a Horizontal Field of View of 28.5°–100° as an acceptable alternative. The proposed range provides adequate wide-angle and telephoto coverage for surveillance applications, while the variation in FOV is primarily dependent on the camera's lens and sensor configuration. A marginal difference in the specified FOV does not materially impact the camera's overall surveillance performance. Hence, accepting the proposed range will allow wider participation of technically equivalent products without compromising the intended functionality.	Tender Conditions Prevail.
183	B.2.27	Max Users: Up to 14 users	We request the Purchaser to kindly consider up to 10 users as an acceptable alternative, as 10 concurrent user accounts are adequate for typical surveillance system operation and will allow wider participation of technically compliant products.	Clause Modified As: The maximum-user requirement modified to upto 10 users.
184	B.2.32	Audio Ports: 3.5 mm In/Out	We understand that the specification "Audio 3.5 mm In/Out" may be a typographical error and that the intended requirement is "Audio 1 In / 1 Out." Kindly amend the specification accordingly.	Clause Modified As: Audio Ports: 3.5mm Jack 1 Input / 1 Output. equivalent interfaces may be accepted provided they deliver the required two-way audio functionality and are compatible with the VMS/system architecture.
185	B.2.33	Operating Temperature: -40°C to +60°C	We request the Purchaser to kindly consider -30°C to +60°C as an acceptable alternative, as this range provides adequate operating performance for most surveillance environments. The additional requirement of -40°C may unnecessarily restrict equivalent OEM products, while -30°C to +60°C maintains reliable camera operation without compromising the intended surveillance functionality.	Clause Modified As: The Operating temperature revised to -30°C to +60°C

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
186	B.2.36	Wind Resistance: Up to 40 m/s	We request the Purchaser to kindly remove this requirement or make it optional, as wind resistance is primarily dependent on the camera mounting arrangement, pole/bracket design, installation height, and site-specific wind conditions. Making a specific 40 m/s rating mandatory may unnecessarily restrict technically equivalent products.	Tender Conditions Prevail.
187	B.2.44	NAND Type: High Endurance MLC / pSLC (preferred for industrial use)	We request the Purchaser to kindly make the NAND Type requirement optional or remove it, as NAND technology (MLC, pSLC, TLC, etc.) varies across OEMs and does not by itself determine the overall surveillance performance. Acceptance of equivalent NAND technologies will allow wider participation of technically compliant products without compromising the intended functionality.	Tender Conditions Prevail.
188	B.3.9	Wide Dynamic Range : not less than 132 dB	We request the Purchaser to kindly amend 120 dB or better WDR as an acceptable alternative, as it provides adequate performance for handling high-contrast lighting conditions in typical surveillance applications and will allow wider participation of technically equivalent products.	Clause Modified As: True WDR of ≥ 120 dB
189	B.3.11	Streams: Up to 4 simultaneous streams	We request the Purchaser to kindly consider 3 simultaneous streams as an acceptable alternative, as 3-stream capability is widely supported and adequate for typical surveillance applications. This will also enable wider participation of technically equivalent products without compromising the required functionality.	Tender Conditions Prevail.
190	B.3.26	Focal Length: 4.5 – 135 mm	We request the Purchaser to kindly consider Focal Length: 4.5 (+/- 1)–135 mm or better, as this provides equivalent wide-angle and telephoto coverage while accommodating normal variations in lens design across OEMs. This will enable wider participation of technically compliant products without compromising the intended surveillance performance.	Tender Conditions Prevail.
191	B.3.28	Field of View: 2.5° – 62° (Horizontal)	We request the Purchaser to kindly consider Horizontal FOV of 56.62°–2.48° as an acceptable alternative, as it provides comparable wide-angle and telephoto coverage and accommodates normal variations in lens design across OEMs, thereby enabling wider participation of technically compliant products.	Tender Conditions Prevail.
192	B.3.29	Focus Range: 3 m to ∞	We request the Purchaser to kindly remove this requirement or make it optional, as the minimum focus distance is dependent on the lens and camera design and may vary across OEMs. Making a specific focus range mandatory may unnecessarily restrict technically equivalent products without providing any significant advantage to the intended surveillance application.	Tender Conditions Prevail.

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
193	B.3.36	Pan Speed: Up to 700°/s (preset)	We request the Purchaser to kindly consider Pan Speed of 0.1°–180°/s as an acceptable alternative, as the specified 700°/s may be specific to certain OEM implementations. A standard pan-speed range will enable wider participation of technically compliant products without compromising the required PTZ surveillance functionality.	Tender Conditions Prevail.
194	B.3.37	Tilt Speed: Up to 500°/s (preset)	We request the Purchaser to kindly consider tilt Speed of 0.1°–90°/s as an acceptable alternative, as the specified 500°/s may be specific to certain OEM implementations. Accepting a standard tilt-speed range will enable wider participation of technically compliant products without compromising the required PTZ surveillance functionality.	Tender Conditions Prevail.
195	B.3.44	Max Users: Up to 14	We request the Purchaser to kindly consider up to 10 users as an acceptable alternative, as 10 concurrent user accounts are adequate for typical surveillance system operation and will allow wider participation of technically compliant products.	Clause Modified As: The maximum-user requirement modified to upto 10 users.
196	B.3.45	45. Storage: microSD up to 512 GB	We request the Purchaser to kindly consider microSD storage capacity of up to 256 GB as an acceptable alternative, as it provides adequate onboard recording capacity for typical surveillance applications and will enable wider participation of technically compliant products.	Clause Modified As: Storage Micro SD Expandable up to 256GB or better capacity.
197	B.3.49	49. Audio Ports: 3.5 mm In/Out	We understand that the specification “Audio 3.5 mm In/Out” may be a typographical error and that the intended requirement is “Audio 1 In / 1 Out.” Kindly amend the specification accordingly.	Clause Modified As: For audio, 3.5 mm interface or equivalent line-level/audio input-output interface may be accepted.
198	B.3.52	52. Cyber Security: FIPS 140-2 Level 3	We request the Purchaser to kindly remove the FIPS 140-2 Level 3 requirement or make it optional, as this specific certification may unnecessarily restrict participation of technically compliant OEMs. This will allow wider participation without compromising the required cybersecurity functionality.	Clause Modified As: FIPS 140-2 Level 3 or FIPS 140-3 Level 3, or an equivalent internationally recognized cybersecurity certification/standard applicable
199	B.3.57	57. Wind Resistance: Up to 40 m/s	We request the Purchaser to kindly remove this requirement or make it optional, as wind resistance is primarily dependent on the camera mounting arrangement, pole/bracket design, installation height, and site-specific wind conditions. Making a specific 40 m/s rating mandatory may unnecessarily restrict technically equivalent products.	Tender Conditions Prevail.
200	B.3.64	UHS Speed Class: UHS-I U3 or higher	We request the Purchaser to kindly remove the UHS Speed Class requirement or make it optional, as the specific memory-card speed class may vary across OEMs and is not essential to the intended surveillance functionality. This will enable wider participation of technically compliant products.	Tender Conditions Prevail.

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
201	B.3.64	NAND Type: High Endurance MLC / pSLC (preferred for industrial use)	We request the Purchaser to kindly make the NAND Type requirement optional or remove it, as NAND technology (MLC, pSLC, TLC, etc.) varies across OEMs and does not by itself determine the overall surveillance performance. Acceptance of equivalent NAND technologies will allow wider participation of technically compliant products without compromising the intended functionality.	Tender Conditions Prevail.
202	B.4.9	9. Wide Dynamic Range: 132 dB	We request the Purchaser to kindly consider 130 dB WDR as an acceptable alternative, as the marginal difference of 2 dB will not significantly affect the camera's practical performance in high-contrast lighting conditions and will enable wider participation of technically compliant products.	Clause Modified As: True WDR of ≥ 120 dB
203	B.4.10	10. IR Range Up to 180 m (PoE++), 120 m (PoE+), 85 m (DC)	We request the Purchaser to kindly consider an IR range of up to 100 m as an acceptable alternative, as a 100 m IR range is adequate for most CCTV surveillance applications when the camera is suitably positioned. The specified 180 m IR range may unnecessarily restrict participation to specific OEMs, while 100 m will allow wider participation of technically equivalent products without compromising the intended surveillance functionality.	Clause Modified As: IR Range modified to : Not less than 150 m (PoE++)/ Not less than 100 m (PoE+)
204	B.4.11	11. Optical Zoom: 10x	We request the Purchaser to kindly remove this requirement or make it optional, as optical zoom capability depends on the camera's intended application and lens configuration. Making a specific optical zoom factor mandatory may unnecessarily restrict technically suitable products with equivalent imaging performance and field-of-view coverage.	Tender Conditions Prevail.
205	B.4.25	25. Optical Zoom: 10x Motorized	We request the Purchaser to kindly remove this requirement or make it optional, as optical zoom capability depends on the camera's intended application and lens configuration. Making a specific optical zoom factor mandatory may unnecessarily restrict technically suitable products with equivalent imaging performance and field-of-view coverage.	Tender Conditions Prevail.
206	B.4.26	26. Digital Zoom: Up to 160x	We request the Purchaser to kindly remove this requirement or make it optional, as zoom capability depends on the camera's intended application and lens configuration. Products with equivalent imaging performance and field-of-view coverage may provide the intended surveillance functionality.	Clause Modified As: Digital zoom of 16x or better

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
207	B.4.27	27. Focal Length: 4.7–47 mm	We request the Purchaser to kindly consider Focal Length: 4.7 (+/- 1)–47 mm or better, as this provides equivalent wide-angle and telephoto coverage while accommodating normal variations in lens design across OEMs. This will enable wider participation of technically compliant products without compromising the intended surveillance performance.	Tender Conditions Prevail.
208	B.4.30	30. Focus Range: 1.5 m to ∞	We request the Purchaser to kindly remove this requirement or make it optional, as the minimum focus distance is dependent on the lens and camera design and may vary across OEMs. Making a specific focus range mandatory may unnecessarily restrict technically equivalent products without providing any significant advantage to the intended surveillance application.	Tender Conditions Prevail.
209	B.4.31	31. Detect Up to: 960 m	We request the Purchaser to kindly consider a Detection Range of 813.8 m or better as an acceptable alternative, as it provides adequate detection capability for the intended surveillance application and will enable wider participation of technically equivalent products without compromising the required functionality.	Clause Modified As: As per design of the camera by OEM
210	B.4.32	32. Observe Up to: 384 m	We request the Purchaser to kindly consider an Observation Range of 322.9 m or higher as an acceptable alternative, as it provides adequate observation capability for the intended surveillance application and will enable wider participation of technically equivalent products without compromising the required functionality.	Clause Modified As: As per design of the camera by OEM
211	B.4.33	33. Recognize Up to: 192 m	We request the Purchaser to kindly consider a Recognize Range of 162.8 m or higher as an acceptable alternative, as it provides adequate recognition capability for the intended surveillance application and will enable wider participation of technically equivalent products without compromising the required functionality.	Clause Modified As: As per design of the camera by OEM
212	B.4.34	34. Identify Up to: 96 m	We request the Purchaser to kindly consider an Identify Range of 81.4 m or higher as an acceptable alternative, as it provides adequate identification capability for the intended surveillance application and will enable wider participation of technically equivalent products without compromising the required functionality.	Clause Modified As: As per design of the camera by OEM
213	B.4.38	38. Max Users: Up to 14	We request the Purchaser to kindly consider up to 10 users as an acceptable alternative, as 10 concurrent user accounts are adequate for typical surveillance system operation and will allow wider participation of technically compliant products.	Clause Modified As: The maximum-user requirement modified to upto 10 users.

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214	B.4.43	43. Audio Ports: 3.5 mm In/Out	We understand that the specification "Audio 3.5 mm In/Out" may be a typographical error and that the intended requirement is "Audio 1 In / 1 Out." Kindly amend the specification accordingly.	Clause Modified As: Audio Ports: 3.5mm Jack 1 Input / 1 Output. equivalent interfaces may be accepted provided they deliver the required two-way audio functionality and are compatible with the VMS/system architecture.
215	B.4.44	44. Alarm Inputs: 3	We request the Purchaser to kindly consider 1 Alarm Input as an acceptable alternative, as a single alarm input is adequate for basic external alarm integration in typical surveillance applications. This will enable wider participation of technically compliant products without compromising the intended functionality.	Tender Conditions Prevail.
216	B.4.46	46. Cyber Security: FIPS 140-2 Level 3	We request the Purchaser to kindly remove the FIPS 140-2 Level 3 requirement or make it optional, as this specific certification may unnecessarily restrict participation of technically compliant OEMs. This will allow wider participation without compromising the required cybersecurity functionality.	Clause Modified As: FIPS 140-2 Level 3 or FIPS 140-3 Level 3, or an equivalent internationally recognized cybersecurity certification/standard applicable
217	B.4.63	UHS Speed Class: UHS-I U3 or higher	We request the Purchaser to kindly remove the UHS Speed Class requirement or make it optional, as the specific memory-card speed class may vary across OEMs and is not essential to the intended surveillance functionality. This will enable wider participation of technically compliant products.	Tender Conditions Prevail.
218	B.4.63	NAND Type: High Endurance MLC / pSLC (preferred for industrial use)	We request the Purchaser to kindly make the NAND Type requirement optional or remove it, as NAND technology (MLC, pSLC, TLC, etc.) varies across OEMs and does not by itself determine the overall surveillance performance. Acceptance of equivalent NAND technologies will allow wider participation of technically compliant products without compromising the intended functionality.	Tender Conditions Prevail.
219	B.[5-1].15	Fan Trays: 3 × Hot-swappable fan trays (N+1 redundancy)	We request you to kindly consider the fan tray configuration as per the respective OEM's standard design/specifications, as different OEMs may provide different cooling architectures and fan-tray configurations while ensuring adequate thermal management, system reliability, and required performance. This will enable participation of equivalent and technically compliant products without compromising system performance.	Clause Modified As: As per OEM design.
220	B.[5-4].4	Protection Rating: IP67 / IP66 (weatherproof, dust-tight) with IK10 vandal protection	We request you to kindly consider the Protection Rating as per the respective OEM's standard specifications and consider IP40 or better, as network switches are generally installed inside suitable protected enclosures/racks, where IP67/IP66 weatherproofing and IK10 vandal protection may not be required. This will allow participation of equivalent OEM products ensuring reliable and safe operation of the network switch.	Tender Conditions Prevail.

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
221	B. [6-2-1].1	Form Factor: 2U Rack Mountable (Enterprise Grade)	3U	Tender Conditions Prevail.
222	B. [6-2-1].4	GPU(AI Engine): 3 x NVIDIA L4 (24GB VRAM Each)	3 x NVIDIA L4 24GB is specified. Can this be made flexible for an equivalent/better GPU, such as 2 x 48GB VRAM GPUs in a 3U chassis?	Tender Conditions Prevail.
223	B. [6-2-1].5	5. Storage: 2 x 960GB NVMe SSD (Enterprise) in RAID 1	2 x 960GB NVMe SSD in RAID 1. Can this be made flexible to NVMe/SATA SSD?	Tender Conditions Prevail.
224	B. [6-2-1].6	6. Scratch Disk: 2 x 1.92TB NVMe (Enterprise)	2 x 1.92TB NVMe SSD. Can this be made flexible to NVMe/SATA SSD?	Tender Conditions Prevail.
225	B. [6-2-2].1	1. Form Factor: 2U Rack Mountable (Enterprise Grade)	3U	Tender Conditions Prevail.
226	B. [6-2-2].4	4. GPU (AI Engine): 3 x NVIDIA L4 (24GB VRAM Each)	3 x NVIDIA L4 24GB is specified. Can this be made flexible for an equivalent/better GPU, such as 2 x 48GB VRAM GPUs in a 3U chassis?	Tender Conditions Prevail.
227	B. [6-2-2].5	5. Storage: 2 x 960GB NVMe SSD (Enterprise) in RAID 1	2 x 960GB NVMe SSD in RAID 1. Can this be made flexible to NVMe/SATA SSD?	Tender Conditions Prevail.
228	B. [6-2-2].6	6. Scratch Disk: 2 x 1.92TB NVMe (Enterprise)	2 x 1.92TB NVMe SSD. Can this be made flexible to NVMe/SATA SSD?	Tender Conditions Prevail.
229	B. [6-3].3	3. Storage OS: 4 x 1.92TB NVMe (Enterprise) in RAID 1	4 x 1.92TB NVMe SSD in RAID 1. Can this be made flexible to NVMe/SATA SSD?	Tender Conditions Prevail.
230	B. [6-3].4	4. GPU: 3 x 20 GB NVIDIA A4000 Ada GPU Card	3 x 20GB NVIDIA A4000 Ada is specified. Please confirm if this refers to the NVIDIA RTX 4000 Ada (20GB), as the NVIDIA A4000 comes with 16GB VRAM.	Clause Modified As : GPU: 3 x 20 GB NVIDIA RTX 4000 Ada GPU Card
231	B. [10-A].1	Verification method Face, Palm, Fingerprint, Card & Password	We request you to kindly consider the verification methods as optional — Face / Palm / Fingerprint / Card / Password, as different OEMs may support different biometric and authentication technologies. Making these verification methods optional will allow participation of equivalent and technically compliant products from multiple OEMs while meeting the required security and access-control functionality.	Tender Conditions Prevail.
232	[10-B-1], [10-B-2], [10-B-3], [10-B-4], [10-B-5]	[10-B-1] FACP – 2 Zone; [10-B-2] Optical Smoke Detector with Base; [10-B-3] Response Indicator with Back Box; [10-B-4] Manual Call Point (MCP) with Back Box; [10-B-5] Hooter with Back Box	We request you to kindly provide the complete BOQ for the 2-Zone Conventional Fire Alarm System, including all required components and quantities, so that all bidders can quote the appropriate products and submit their bids accordingly.	Tender Conditions Prevail.: Refer clause [10-B] of tender specifications

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233	[10-C-A], [10-C-B], [10-C-C]	[10-C-A] Paging Mic; [10-C-B] Talkback Unit; [10-C-C] Software	We request you to kindly provide the complete BOQ for the requested product including all required components and quantities, so that all bidders can quote the appropriate products and submit their bids accordingly.	Refer Clause [10-C] of Tender technical specifications.
234	[12-A] [ii-1]	[ii-1] System Architecture Design: Detailed block diagram, network architecture (Layer-3 & Layer-2 switching with redundancy), IP addressing scheme, VLAN segmentation, bandwidth calculation, and failover mechanisms.	We understand that redundancy is required for both Layer-3 and Layer-2 switches with N+1 redundancy. We request you to kindly confirm whether the same understanding is correct.	Clarified As: The proposed architecture shall provide the required redundancy, with appropriate failover.
235	[12-A] [ii-1]	Network Topology: Redundant fiber-optic backbone (single-mode OS2, minimum 10Gbps) with CAT6 copper for edge devices; detailed network topology diagram including core, distribution, and access layers with QoS configuration for video traffic.	We understand that the quantity of fiber-optic cables mentioned in the BOQ is inclusive of the redundant fiber-optic backbone links. We request you to kindly confirm whether our understanding is correct.	Tender Conditions Prevail.
236	[12-A]	All system components (cameras, servers, workstations, switches) shall automatically synchronize time with a central NTP server. The VMS server shall act as the primary NTP server. No manual time setting shall be required.	Please confirm whether the bidder is required to provide an NTP Server. If yes, kindly specify the applicable BOQ line item under which the NTP Server is to be offered and share the complete technical specifications for the same.	Tender Conditions Prevail.
237	Technical Specifications of Video Management Software	Additional clause	We kindly request the inclusion of the following clause: "The VMS system shall be based on the latest in software programming technology. The software should be operating system-agnostic and compatible with Microsoft Windows, Unix, and Linux Operating Systems. Furthermore, the VMS shall be able to work with multiple Database Servers, including Microsoft SQL, MySQL, PostgreSQL, and Oracle."	Tender Conditions Prevail.

S. No	Section / Point No	As per Tender	Query Received from Bidders	IGMH Reply
238	Technical Specifications of Video Management Software	Additional clause	Requesting authority to incorporate the following recording features in VMS Application: The VMS shall offer three options for operator-specific recordings: (i) Record Matrix Videos: Record a matrix of the videos being displayed on the screen. (ii) Record Stitched Videos: Stitch and record the video matrix in the horizontal or vertical direction. (iii) Record Screen: Record the entire screen of the operator including a camera matrix.	Tender Conditions Prevail.
239	Technical Specifications of Video Management Software	Additional clause	We kindly request the inclusion of the following essential features in the VMS specification to ensure effective user oversight and collaborative surveillance operations: 1. User Management: (a) Allow the Administrator to audit the operator screen by importing any active user screen on the camera matrix tile to watch and record the operator's screen activity. (b) Admin can force any operator to logout from the system. 2. Surveillance chat room: The VMS shall provide a surveillance chat room for collaborative vigilance. It shall offer exchange of text messages, user-selectable files, archived video links, camera layout details, incident snaps, video clips and VA alerts; color-coded status for messages sent/delivered/read; administrator access to all messages; and sharing of the camera matrix of live and playback videos.	Tender Conditions Prevail.
240	Technical Specifications of Video Management Software	Additional clause	Request to incorporate: (i) The proposed VMS software OEM should have OS and Graphics Acceleration platform partnership to ensure seamless operation of the solution. (ii) The VMS should be STQC Certified. (iii) The VMS OEM should be in existence in India since last 15 years and should have ISO 9001, ISO 27001, ISO 27017, ISO 14001 and CMMI Level 3 certifications.	Clause Modified As: STQC certified and ER compliant requirements shall apply to all the equipment/component where the relevant certification/registration is applicable and issued to the equipment category as per the prevailing guidelines of Government of India. Where no product-specific certification exists from STQC for particular category of products/equipment, applicable statutory/industry compliance and OEM declaration/certification may be accepted subject to verification. Bidder shall map each item to the applicable certificates.
241	Technical Specifications of Video Management Software	Additional clause	VMS, Video Analytics (VA) and ANPR Software should be available from a single OEM.	Tender Conditions Prevail.