

**Corrigendum II
of
Request for proposal for
Selection of Implementation Agency for SITC, Operation, and Maintenance of
Surveillance System in Ahmedabad City Safe and Secure Ahmedabad (SASA II) (RFP No:
SCADL_RFP_25-26_04)**



Issued By:

**Smart City Ahmedabad Development Limited
(SCADL)**

Date: 14 May 2026

Corrigendum 2 for the RFP for Selection of Implementation Agency for SITC, Operation, and Maintenance of Surveillance System in Ahmedabad City SASA II

Corrigendum 2

This Corrigendum-2 is issued in continuation to the original RFP and Corrigendum-1 published for the above-referenced tender. The purpose of this Corrigendum-2 is to:

- Revise the overall scope of work by introducing new location categories and rationalizing camera quantities per location,
- Incorporate additional scope pertaining to AMTS Smart Bus Shelter surveillance and public address system,
- Revise the Commercial Bid Format (BoQ) and Technical Specifications,
- Respond to additional pre-bid queries received post Corrigendum-1.

All terms and conditions of the original RFP and Corrigendum-1 shall remain unchanged except to the extent modified herein. In case of any conflict between the original RFP / Corrigendum-1 and this Corrigendum-2, Corrigendum-2 shall prevail.

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1. Updated Necessary Information

#	Activity	Revised Date/Time
1	Last Date of Receipt of Online Bid	28/05/2026, 16:00
2	Last Date of Receipt of Offline Physical Bid	28/05/2026, 16:00
3	Date of Opening of Physical Bid	28/05/2025, 17:30

Tender submission Cost	Rs. 18,000 /- (Rs. Eighteen Thousand Only) In the form of Demand Draft / Banker's Cheque in favour of "Smart City Ahmedabad Development Limited" drawn on any scheduled / nationalized bank and payable at Ahmedabad.
EMD (bid Security / Security deposit)	Rs. 5,67,00,000 /- (Rs. Five Crores Sixty Seven Lakh Only) Demand Draft in favour of "Smart City Ahmedabad Development Limited" drawn on any scheduled bank and payable at Ahmedabad OR EMD in the form of bank guarantee with validity of 180 days from the last date of bid submission in favor of "Smart City Ahmedabad Development Limited" from <ul style="list-style-type: none"> • All Nationalized banks including the Public sector banks • Private sector banks - AXIS Bank, ICICI Bank and HDFC Bank

2. Response to Queries

Sr. No.	RFP Section	RFP Sub Section	Clause No.	RFP Pg. No.	Original RFP Clause	Clarification Sought by Bidder	Response Provided by SCADL
1	CAPEX	CAPEX	8.1	51	Camera quantity mismatch, and Hardware requirements	Revise count	Please refer the Corrigendum
2	Corrigendum 1	Field UPS	-	80	Backup ≥4 hours	Revise to ≥2 hours	Please refer the Corrigendum
3	Corrigendum 1	Field UPS	-	80	Temp 0:80°C	Revise to 0:40°C	Please refer the Corrigendum
4	Corrigendum 1	CAPEX	8.1	52	Solar Power System Complete: 500 Nos	Clarify power: source distribution for 1855 locations; share existing UPS make/model	Please refer the Corrigendum
5	Corrigendum 1	Revised Scope of Work	3.1 / 3.2	18	AMC POIs: 1,500 + Sabarmati Riverfront: 250	Share Lat: long details	Please refer the Corrigendum

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Sr. No.	RFP Section	RFP Sub Section	Claus e No.	RFP Pg. No.	Original RFP Clause	Clarification Sought by Bidder	Response Provided by SCADL
6	Corrigendu m 1	Existin g Poles	-	15	Reuse of existing poles	Share list and locations	Please refer to the clarification as: Existing pole details, to the extent available, shall be shared separately / during implementation.
7	Corrigendu m 1	OEM Selecti on Criteria	6	45	ITIL4: certified EMS/NMS	Delete ITIL4 requirement	Please refer the Corrigendum
8	Corrigendu m 1	Respon se to Prebid Querie s	-	7	Perpetual licenses for FRS	Confirm online FRS at edge / Realtime only	Please refer to the clarification as: FRS licenses must support both Realtime analytics and offline / recorded video processing. Implementation may be camera: inbuilt or : based as per bidder solution design.
9	Corrigendu m 1	Respon se to Prebid Querie s	-	15	Source code handover	Confirm e-Challan customization only	Please refer to the clarification as: The complete source: code of the e-Challan application including the customizations shall be handed over to SCADL at the end of contract.
10	Corrigendu m 1	Revise d Scope / Comm ercial Bid Format	3.1 / 3.2 / 3.3 / 3.4 / 8	18 / 19 / 20 / 20 / 51	Camera count mismatch (5366 scope vs 5278 BOQ)	Clarify	Please refer to the clarification as: The BOQ is design: based and indicative. Bidder shall quote strictly as per the latest BOQ. Final field allocation shall be based on approved design and survey after joint survey
11	Corrigendu m 1	Video Analyti cs Use Cases	3.5	23	Primary Use Cases: retention	Clarify VA event retention	Please refer to the clarification as: Data retention shall be 30 days.
12	Corrigendu m 1	OEM Selecti on Criteria	6	44	STQC certificate with application proof	Remove application proof requirement	Please refer to the clarification as: Updated clause: OEM should have valid STQC certificate for the cameras to be quoted. If a valid STQC certificate is not available at the time of bidding, the bidder / OEM may quote that camera and must ensure a valid STQC certificate is obtained before starting supply.

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Sr. No.	RFP Section	RFP Sub Section	Clause No.	RFP Pg. No.	Original RFP Clause	Clarification Sought by Bidder	Response Provided by SCADL
13	Corrigendum 1	Network & Data Centre	10.6	54:61	NGFW HA: SIEM Integration	Confirm components for SIEM/NDR	Please refer to the clarification as: All cybersecurity components deployed under this project : including NGFW (Internal & External), IPS/NIPS, Ant- DDoS, WAF, Server Load Balancer, Link Load Balancer, Endpoint/XDR and other security devices : shall mandatorily integrate with the centralized SIEM and NDR platforms for log ingestion, correlation, alerting, forensics, and audit reporting.
14	Corrigendum 1	Network & Data Centre	10.6	54:61	SIEM EPS sizing	Provide daily log volume	Please refer to the clarification as: The SIEM solution shall support high: throughput event ingestion at city: scale, covering SASA: I and SASA: II combined infrastructure, with horizontal scalability and High Availability (HA) to ensure zero log loss during peak traffic or cyber incidents.
15	Corrigendum 1	Network & Data Centre	10.6	54:61	Log retention	Clarify hot/warm/cold durations	Please refer to the clarification as: Security, system, and transaction logs shall be retained using hot, warm, and cold storage tiers, in compliance with Government of India cybersecurity, audit, and statutory requirements, ensuring evidence preservation and legal admissibility.
16	Corrigendum 1	Network & Data Centre	10.6	54:61	WAF HA specs	Provide specs	Please refer to the clarification as: Web Application Firewall shall form part of the mandatory cybersecurity stack, providing OWASP, application: layer attack prevention, High Availability, and full integration with SIEM and NDR.

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17	Corrigendum 1	Network & Data Centre	10.6	54:61	EDR features & SLA	Share	Please refer to the clarification as: EDR/XDR solution shall meet enterprise: grade threat detection, response, and visibility requirements and integrate with SIEM/NDR. Deployment model and features are bidder: proposed, subject to RFP compliance.
18	Corrigendum 1	Network & Data Centre	10.6	54:61	NDR specs / capacity / HA	Provide	Please refer to the clarification as: Network Detection and Response (NDR) shall cover entire SASA: I and SASA: II networks, be deployed at existing and new data centers, operate in High Availability mode, and provide real: time threat detection, behavioral analytics, and response orchestration.
19	Corrigendum 1	Network & Data Centre	10.6	54:61	SIEM Deployment model	On: Prem / SOC / Hybrid	Please refer to the clarification as: SIEM/NDR shall be deployed on: premises within the project data centre(s). Bidders may propose hybrid capabilities, provided data residency and security requirements are fully met.
20	Corrigendum 1	CAPEX	8.1	54	DC room 20×20 ft civil scope	Confirm understanding	Please refer to the clarification as: Understanding is correct. Bidder scope includes all associated works required to establish a fully functional data centre environment.
21	Corrigendum 1	Network & Data Centre	10.6	81	Server Warranty 5 years	Specify 24×7 support	Please refer to the clarification as: Updated: Support level shall be 24×7 in line with project O&M requirements.

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Sr. No.	RFP Section	RFP Sub Section	Clause No.	RFP Pg. No.	Original RFP Clause	Clarification Sought by Bidder	Response Provided by SCADL
22	Corrigendum 1	Network & Data Centre	10.6	81	Server min hardware specs	Provide detailed specs	Please refer to the clarification as: Please refer to the minimum specifications provided in the clarified server matrix for Application, Database, Recording/VMS, Analytics/GPU, Management/AD, EMS/NMS, Backup, Antivirus servers, and primary storage / SSD tier.
23	Corrigendum 1	Network & Data Centre	10.6	81	Enterprise SAN/NAS	Define "Enterprise"	Please refer to the clarification as: The term "Enterprise" refers to storage solutions with high availability, scalability, performance, and advanced data protection suitable for critical applications, including features such as Five 9's availability, fault tolerance, snapshots / replication, and strong security compliance.
24	Corrigendum 1	Commercial Bid Format	8	51	FRS & Video Summarization base license	Include in CAPEX	Please refer to the clarification as: Only those items expressly included in the final revised scope / BOQ / price discovery shall be considered mandatory.
25	Corrigendum 1	Price Discovery Items	8.4	59	ITMS base license	Include in price discovery	Please refer to the clarification as: Under review. If SCADL decides to retain the relevant functionality under price discovery, revised BOQ line items may be issued separately.
26	Corrigendum 1 / Revised TQ	Bridges : 17 / PoC	3.4 / 5	20 / 43	Realtime processing vs GPU server	Clarify architecture	Please refer to the clarification as: All use cases shall run on Realtime or Server side. Bidder should be able to give the results in Realtime.

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Sr. No.	RFP Section	RFP Sub Section	Claus e No.	RFP Pg. No.	Original RFP Clause	Clarification Sought by Bidder	Response Provided by SCADL
27	Corrigendu m I	Revised Project Timeli nes & Payme nt Terms	9	68	Metro dependency for FR cameras	Add cost compensation / timeline extension	Please refer to the clarification as: Partially accepted. Timelines for such locations may be considered on actual site readiness basis, subject to documentary evidence and approval of SCADL. No automatic compensation is implied.
28	Functional & Technical Specs	Function al & Techni cal Specs	10	78:79	New specs : 3 streams H.265, Unicast/Multicast	Include	Please refer to the clarification as: Partially accepted. Bidders may provide cameras with higher / additional streaming capability, provided all minimum RFP requirements are met.
29	Functional & Technical Specs	Function al & Techni cal Specs	10	78:79	Additional: Electronic Image Stabilization	Include	Please refer to the clarification as: Partially accepted. Additional features such as Electronic Image Stabilization may be offered by bidders, provided all minimum tender specifications are met.
30	Functional & Technical Specs	Function al & Techni cal Specs	10	78:79	Additional : P:Iris lens	Include	Please refer to the clarification as: Partially accepted. Additional lens features such as P: Iris may be offered by bidders, provided all minimum tender specifications are met.
31	General	Backup Software	-	-	Backup Software specs	Provide specs	Please refer to the clarification as: Bidder shall include backup solution capability necessary for a complete and compliant implementation. Detailed architecture shall be bidder: proposed, subject to tender compliance.
32	General	Genera l	-	-	Live viewing at ICCC only	Confirm	Please refer to the clarification as: Minimum mandatory requirement is integration with the designated command/control environment as defined in the tender. Additional

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Sr. No.	RFP Section	RFP Sub Section	Clause No.	RFP Pg. No.	Original RFP Clause	Clarification Sought by Bidder	Response Provided by SCADL
							viewing points, if any, shall be as per scope / implementation directions.
33	NMS : iii	:	29	239	OS parameter monitoring incl. files	Exclude file:level monitoring	Please refer to the clarification as: Bidder shall provide monitoring capability as required under the tender. Equivalent / superior secure implementation may be proposed, subject to compliance.
34	Price Discovery Items / Cloud DR	Cloud DR Architecture	-	-	NIC Cloud / NICS / GSDC / AWS GovCloud / Azure Govt	Add MeitY-empaneled CSPs + GCC; remove NIC/NICS	Please refer to the clarification as: Partially accepted. MeitY empaneled CSPs meeting all compliance requirements stated in the RFP (MeitY Cloud Guidelines, ISO 27001/27017/27018, SOC 2 Type II, data within India) are acceptable. GCC offerings from eligible platforms are also acceptable. However, NIC/NICS shall not be removed from the list. Revised eligible platforms: NIC Cloud / NICS Empaneled / GSDC / MeitY Empaneled CSPs / AWS GovCloud India / Azure Govt India, subject to all stated compliance requirements.
35	Revised PQ Evaluation Criteria	OEM Partnership	4	34	OEM Partnership viii. Declaration on OEM letterhead with respect to IPR and MAC address	No specific format provided; request to provide format.	Please refer to the clarification as: No separate format is prescribed. OEM declaration on OEM letterhead for the quoted make and model shall be acceptable.

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Sr. No.	RFP Section	RFP Sub Section	Clause No.	RFP Pg. No.	Original RFP Clause	Clarification Sought by Bidder	Response Provided by SCADL
36	Revised TQ Evaluation Criteria	Revised TQ Evaluation Criteria	OEM Capability	40	OEM Go: Live certificate	Accept OEM declaration + order/invoice copy	Please refer to the clarification as: Partially accepted. Where OEM direct Go: Live certificate is not available, OEM declaration supported by order copy / invoice copy may be considered, subject to SCADL's satisfaction and eligibility of the claimed project.

3. Revised Scope of work

The scope of work for SASA 2.0 encompasses the end-to-end design, supply, installation, commissioning, integration, testing, and operation and maintenance of a comprehensive surveillance and analytics system across multiple location categories in Ahmedabad city. The selected System Integrator (SI) shall be responsible for all aspects of project delivery including civil infrastructure, power supply, connectivity, hardware, software, analytics, data centre setup, AMTS central infrastructure, and five (5) year operations and maintenance.

This section replaces the corresponding scope chapter in the original RFP and supersedes the scope revisions introduced in Corrigendum-1.

3.1. AMC Plots / POIs

Ahmedabad Municipal Corporation owns and operates approximately 1,500 Points of Interest (POIs) across the city. These POIs represent a mix of land parcels and operational premises under AMC's jurisdiction and include, but are not limited to:

- AMC Plots (open plots and reserved land parcels)
- AMC Schools (municipal schools and educational premises)
- AMC Offices (zonal offices, ward offices, administrative buildings)
- AMC Health Centers / Dispensaries / Urban Health Clinics
- AMC Gardens and Public Parks
- AMC Community Halls, Libraries and Public Facilities

Any other AMC-owned or AMC-managed premises notified by SCADL from time to time

These POIs are spread across all AMC zones and are currently vulnerable to encroachment, illegal dumping of construction & demolition (C&D) waste, garbage dumping, unauthorized parking, cattle menace, vandalism of assets, after-hours trespassing, and general security lapses. Many of these POIs are located in remote or semi-developed areas with limited access to power and internet connectivity.

All AMC POIs require continuous situational awareness, security monitoring, and compliance enforcement to support operational efficiency, public safety, and asset protection. Surveillance at these sites must therefore provide both real-time alerts and evidence-grade historical visibility for investigations and operational review.

3.1.1 Camera Configuration at AMC POIs

Each AMC PoI shall be equipped with one (1) PTZ camera as the minimum standard configuration. The PTZ camera shall be placed at a strategic elevated location within the PoI premises (typically on a 6–9 m GI pole) to provide 360-degree coverage of the area.

The PTZ camera shall be programmed for automatic scheduled rotation to systematically scan the entire premises at regular intervals. The camera shall also be configured to capture time-series lapse images at defined intervals. These time-lapse images shall be compared over time through the encroachment detection analytics engine to identify any unauthorized change in the landscape such as new construction, material dumping, or encroachment. When an anomaly is detected, the system shall automatically generate an alert and a ticket and shall notify the concerned AMC zone officer via SMS, email, mobile app push notification, and the ICCC dashboard.

3.1.2 Primary Use Cases at AMC POIs

- Automatic Number Plate Recognition (ANPR)
- Encroachment detection through time-lapse comparison
- Construction & demolition (C&D) waste dumping detection
- Garbage and debris dumping detection
- Illegal / unauthorized parking detection

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- Cattle detection
- Vandalism and property damage detection
- Safety and security surveillance
- Facial Recognition System

3.1.3 Surveillance Design for AMC POIs

For each AMC PoI, the PTZ camera shall be mounted at the highest feasible vantage point (typically a 6-9 m GI pole or structure-mounted bracket on an existing AMC building). The camera shall be tilted and panned to cover the maximum area of interest with zero blind spots for the critical access zones.

All equipment at the PoI shall be housed in a weatherproof outdoor IP-rated junction box with tamper-proof locking. Power shall be provided either through a grid connection from the authorized utility (UGVCL / Torrent Power), or through a solar panel system with battery backup (minimum 3-day autonomy) depending on the site feasibility assessment. Connectivity shall be established through MPLS / leased line/ ISP/ as primary / Wireless connectivity as a last-mile fallback where wired media reach is constrained.

The PTZ camera shall support Realtime-level / Server side analytics (motion detection, tampering, time-lapse capture, line crossing, loitering) so that only alerts, metadata, and evidentiary clips are transmitted to the central Data Centre and ICCC. Video streams of 4MP H.265/H.264 @ 6–8 Mbps shall be maintained in three (3) parallel streams - (i) DC recording & analytics, (ii) ICCC live view, and (iii) backup/redundant.

Note: Where an AMC PoI has defined boundaries with vehicular entry/exit gates (such as AMC schools, offices, health centers, gardens), SCADL may, based on site survey, direct the SI to additionally deploy fixed ANPR cameras at the entry/exit gates. The same shall be treated as incremental scope under the Future Scope provision at unit rates discovered.

3.1.4 Parking Occupancy Management at AMC POIs

The bidder shall provide Parking Occupancy Management licenses for identified AMC POIs / parking locations. The solution shall support real-time occupancy detection, monitoring, alerting, reporting and historical analytics. The solution shall be integrated with VMS / ICCC / central platform and shall be capable of integration with RTO and One Nation One Challan (ONOC) / e-Challan ecosystem, wherever applicable.

The bidder shall provide initial 100 licenses for Parking Occupancy Management, as may be identified by SCADL / AMC during implementation. The bidder shall provide a combined dashboard for centralized analytics, monitoring and reporting for Parking Occupancy Management and all proposed / approved use cases under the project.

The solution shall support the following minimum requirements:

- Real-time parking occupancy detection and monitoring;
- Site-wise parking availability / occupancy status;
- Event generation, alerting, logging and reporting;
- Historical analytics, occupancy trends and utilization reports;
- Integration with project VMS / ICCC / central monitoring platform;
- Capability for integration with RTO systems and One Nation One Challan (ONOC) / e-Challan ecosystem, wherever applicable and as permitted by the Authority;
- Evidence capture, audit trail and reporting for operational and enforcement-related workflows, wherever applicable.

The final list of AMC POIs / parking locations and the release quantity shall be finalized by SCADL / AMC during *implementation*. Payment shall be made as per approved BOQ line item and actual deployed quantities.

3.2. Sabarmati Riverfront POIs

The Sabarmati Riverfront is one of the most prominent and heavily visited public spaces in Ahmedabad, extending along both the east and west banks of the Sabarmati River. The riverfront consists of paved promenades, landscaped gardens, event plazas, parking zones, food courts, amphitheaters, and public amenities, attracting thousands of visitors daily.

Under this project, surveillance coverage shall be extended to 250 strategic points along both the east and west sides of the Sabarmati Riverfront. These locations typically face risks such as crowd build-up, anti-social behavior, spitting & littering, vandalism of railings / street furniture / lighting, unattended objects, safety hazards at water edges, and unauthorized activities during night hours.

A. Camera Configuration at Riverfront

Each of the 250 locations shall be equipped with a minimum of two (2) Fixed cameras providing overlapping coverage of the area. The cameras shall be positioned to monitor pedestrian zones, public gathering spaces, vehicle movement zones (where applicable), and edge zones adjacent to the river.

B. Primary Use Cases at Sabarmati Riverfront

- People counting and overcrowd detection
- Unattended object detection
- Spitting and littering detection
- Vandalism and property damage detection
- Automatic Number Plate Recognition (ANPR)
- Safety and security surveillance
- General incident monitoring

C. Surveillance Design for Riverfront

At each location, the two fixed cameras shall be mounted on GI poles or structure-mounted brackets already available at the riverfront, positioned to achieve overlapping field of view. All cameras shall be connected to the Central Data Centre through MPLS / leased line/ ISP / Wireless connectivity. Video analytics such as people counting, overcrowd detection, unattended object detection, and spitting/littering detection shall be executed in Realtime wherever feasible, and the heavier analytics shall be supported by the central GPU analytics servers. Evidence clips shall be pushed to the ICCC for verification and appropriate response.

3.3. City Entry and Exit Points

Ahmedabad has 88 identified city entry and exits points across arterial roads, ring roads, highways, and municipal boundary corridors where vehicles enter or leave the city. These points are critical checkpoints for monitoring traffic flow, identifying unauthorized / restricted vehicles, enforcing height & load rules, and detecting traffic violations.

Each entry/exit location shall be equipped with a minimum of three (3) cameras - two (2) Fixed ANPR cameras and one (1) PTZ camera.

3.3.1 Camera Configuration at Entry / Exit Points

- 2 × Fixed ANPR Cameras - one per direction (inbound and outbound) to automatically read and log vehicle registration numbers, time, and direction of movement.
- 1 × PTZ Camera - for overall area overview, incident tracking, and forensic investigation.

3.3.2 Primary Use Cases at City Entry / Exit Points

- Automatic Number Plate Recognition (ANPR)
- Detection of uncovered debris in trucks and extended metallic elements
- Over-height vehicle and unauthorized vehicle entry detection
- Wrong-side driving detection
- Cattle detection

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- Safety and security surveillance
- Traffic-related use cases (except red light violation detection)

3.3.3 Surveillance Design for Entry / Exit Points

The two Fixed ANPR cameras shall be mounted on cantilever arms or gantry structures positioned above the road / roadside, angled to clearly capture the front / rear number plates of all passing vehicles for ANPR processing. The PTZ camera shall be mounted on a separate vantage pole to provide a wide-area overview of the entire checkpoint and adjacent approach zone.

A junction box at the base of the gantry / pole shall house the L2 PoE switches, power supply, fibre termination, and local processing unit. The site shall be connected to the Central Data Centre through MPLS / leased line/ ISP connectivity. Realtime / Server-Side analytics shall include ANPR processing, over-height / restricted vehicle detection, and wrong-side driving detection. Alerts, metadata, and evidence clips shall be pushed to the ICCC and the e-Challan module for enforcement action, where applicable.

3.4. Bridges

Ahmedabad has 17 major road / river-crossing / rail over-bridges that experience heavy traffic flow throughout the day and are prone to over-speeding, helmet non-compliance, triple-riding, wrong-side driving, and debris-related hazards. Bridge structures also present dynamic monitoring conditions due to vibration, wind exposure, and corrosive environments. At the same time, they are high-risk areas for stalled vehicles, sudden crowding, wrong-side driving, and accident / fall-related incidents.

Surveillance at bridges must provide uninterrupted visual awareness while accommodating the physical characteristics of bridge decks and rails. Each bridge shall be equipped with a minimum of six (6) cameras for comprehensive coverage of traffic from both directions.

3.4.1 Camera Configuration at Bridges

- 4 × Fixed Cameras (ANPR-capable) - typically 2 per direction of traffic, for vehicle identification and violation capture.
- 2 × PTZ Cameras - for overview, tracking, and incident investigation.

3.4.2 Primary Use Cases at Bridges

- Automatic Number Plate Recognition (ANPR)
- E-Challan generation for over-speed vehicles
- No-helmet detection
- Triple-riding detection (more than two passengers on two-wheelers)
- Wrong-side driving detection
- Detection of uncovered debris in trucks
- Over-height vehicle / unsafe-load detection
- General traffic and safety surveillance (except red light violation detection)

3.4.3 Surveillance Design for Bridges

The four (4) Fixed Cameras shall be mounted on gantry / cantilever / side-mount structures above the carriageway, angled to capture the vehicle front / rear for ANPR and violation evidence. The two (2) PTZ Cameras shall be placed at either end of the bridge (or at strategic midpoints) to provide wide-area overview, incident tracking, and forensic replay. Structural mountings shall be designed to withstand bridge-deck vibration, wind load, and corrosive environments (galvanized steel / aluminum with anti-corrosion treatment).

All bridge locations shall be connected to the Central Data Centre through redundant MPLS links for high-availability streaming. Analytics shall be deployed at the Realtime for speed enforcement, helmet detection, triple-riding detection, and wrong-side driving. Evidence clips,

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ANPR records, and violation alerts shall be pushed to the e-Challan module for automated challan generation with photographic evidence

3.5. Traffic Junctions

To enable future scalability, the project includes a price discovery scope for one (1) complete traffic junction. This junction shall be equipped with:

- ANPR Cameras for all approaches
- Red Light Violation Detection (RLVD) Cameras
- One (1) PTZ Camera for overview
- One (1) Fixed Camera facing the back side of vehicles (for rear number plate capture)
- Cantilever or gantry structure for camera mounting
- Junction box with all necessary networking equipment
- Ducting, cabling, and all requisite civil infrastructure

3.5.1 Surveillance Design for Traffic Junction (Price Discovery)

The traffic junction shall be designed as a complete traffic enforcement solution with ANPR cameras covering all approaches, RLVD cameras for red light violation detection, a PTZ camera for overview, and a Fixed camera for rear-side vehicle capture. All cameras should be mounted on cantilever arms or gantry structures positioned above the road. A junction box at the base of the gantry shall house all networking equipment, power supply, and local processing unit. The junction shall be connected to the Data Centre through dedicated MPLS connectivity.

The purpose of this price discovery is to establish unit rates for each component so that in the future, if the requirement arises, SCADL may issue additional work orders to the selected agency for implementation of surveillance at additional traffic junctions under this project.

Note: Ahmedabad city is also planning a larger project for Automatic Traffic Signal Control Systems for all junctions in the city. Once that project is onboarded, the traffic junctions developed under SASA 2.0 may be handed over for operations and maintenance under that project on mutually agreed terms.

3.6. AMTS Shelters - 800 Locations

Smart City Ahmedabad Development Limited (SCADL) has identified approximately 800 Ahmedabad Municipal Transport Service (AMTS) Bus Shelters across the city which are hereby brought under the surveillance, monitoring, and analytics framework of SASA 2.0 through this Corrigendum-2. These shelters represent high-footfall public transit infrastructure and require continuous monitoring to support commuter safety, asset protection, vandalism control, public hygiene, and operational visibility.

AMTS Bus Shelters typically face risks such as vandalism of shelter infrastructure (glass panels, benches, signage, lighting), spitting and littering, illegal posters and graffiti, after-hours loitering and anti-social behavior, theft of shelter fixtures, and safety incidents during boarding/alighting. Surveillance at these shelters must therefore provide both real-time operational visibility to AMTS CCC operators and evidence-grade recording for investigations.

3.6.1 Camera Configuration at AMTS Bus Shelters

Each AMTS Bus Shelter shall be equipped with a minimum of two (2) fixed IP-based CCTV cameras, positioned in accordance with field-level feasibility assessment:

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- Camera 1 - positioned to monitor the passenger waiting area and platform zone (inside the shelter)
- Camera 2 - positioned to monitor the shelter periphery, entry/exit side, kerbside / bus docking zone, surrounding carriageway, or any other vulnerable area as determined during the detailed survey

Above placement of camera is tentative, Final positioning will be finalized after joint survey and feasibility.

3.6.2 Surveillance Design for AMTS Bus Shelters

The two Fixed Cameras shall be mounted on the existing shelter structure (no separate pole required) with one camera oriented towards the passenger waiting area and the second oriented towards the kerbside / bus docking zone.

All field equipment at each shelter shall be connected through a PoE switch (housed in a tamper-proof enclosure) which shall be backed by a UPS with 45-minute minimum battery backup. Power shall be drawn from the shelter's grid connection. Connectivity shall be established through MPLS / leased line connectivity/Connectivity from ISP/Wireless connectivity.

All AMTS shelter cameras shall transmit video to the dedicated AMTS Central Infrastructure (described in Section 3.6.5 below) with integration to the main SCADL VMS / ICCC for unified surveillance visibility. Minimum 30-day retention shall be maintained at the central VMS for all AMTS camera streams.

Analytics capabilities shall be deployed on a Realtime / Server side processing model consistent with the architectural framework of SASA 2.0, with use cases including motion detection, tampering alarm, line crossing, loitering, and selected advanced analytics (spitting, littering, vandalism) as mapped in the Analytics Matrix.

3.6.3 AMTS Central Infrastructure

A dedicated AMTS Central Infrastructure shall be established at the AMTS CCC / Data Centre location provided by SCADL / AMTS. The SI shall design, supply, install, commission, integrate, and operate the following components as part of this Corrigendum-2 additional scope:

The AMTS Central Infrastructure shall be fully integrated with the SCADL SASA 2.0 Central Data Centre at the VMS, analytics, and dashboard level to provide unified visibility across AMTS Shelters, AMC POIs, Riverfront, Entry/Exit, and Bridges.

3.6.4 Integration Scope for AMTS

The SI shall ensure full integration of AMTS shelter cameras with:

- ICCC (Ahmedabad)
- SCADL VMS Platform
- Central Analytics Engine
- Network Management System
- Existing AMTS ITMS (Intelligent Transport Management System)
- Other modules mandated under SASA 2.0

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The SI shall also perform all associated civil, cabling, trenching, conduiting, backfilling, road / walkway reinstatement, testing, and commissioning work applicable to greenfield shelter-level installations.

3.7. Body Worn Cameras System

The scope of work under SASA 2.0 shall include the Supply, Installation, Configuration, Integration, Testing, Operation, and Maintenance of Body Worn Camera systems for authorized field personnel engaged in enforcement, inspection, public safety, regulatory, and civic operations.

The selected System Integrator (SI) shall provide a complete Body Worn Camera solution, including hardware devices, accessories, docking and charging infrastructure, backend software, centralized storage, SIM / wireless connectivity , system integrations, training, and Operations & Maintenance for the contract period.

The solution shall support automatic upload / synchronization of recorded content through docking stations while the devices are placed on charging, and shall also support live streaming / live push of video, audio and related event / location data to the centralized platform / command centre, as and when required by the Authority.

3.7.1 Functional Scope

Each Body Worn Camera shall support, at a minimum:

- High-definition video recording with synchronized audio capture
- Pre-event and post-event recording buffers
- Embedding of date, time, GPS location, and authorized user/official identifier
- Manual or single-touch recording activation with user feedback
- Tamper-resistant design and tamper event logging
- Secure event tagging and Metadata Association
- Encryption of data at rest on device and during data transfer
- Automatic audit logging of device usage and recording events
- Automatic upload / synchronization of recorded video, audio and metadata through the docking station while the device is connected for charging
- Capability for live streaming / live view and live push of video, audio and related event / location data to the centralized platform, ICCC or authorized control room, as and when required and authorized by the Authority

3.7.2 Docking, Charging, and Data Upload

The SI shall provide Body Worn Camera docking stations at locations identified by the Authority for:

- Automated charging of devices
- Secure offloading of recorded video, audio, and metadata
- Automatic upload / synchronization of all recorded feeds and associated metadata to the centralized system while the devices are placed on docking / charging
- Device health, availability, and usage monitoring
- All recorded content shall be uploaded to centralized systems through authenticated and secure mechanisms.

The bidder shall ensure that charging and upload workflows are integrated such that the authorized user can place the device on the dock for simultaneous charging and automatic data transfer.

3.7.3 Backend Software, Storage, and Integration

The Body Worn Camera system shall include a centralized management platform providing:

- Assignment and management of devices and users
- Secure evidence management with role-based access control
- Footage review, tagging, retrieval, and controlled export
- Comprehensive audit trails and chain-of-custody records
- Management of docking uploads, device synchronization status, charging status, storage utilization and health monitoring

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- Support for live streaming / live view / live push from authorized field devices, as and when required by the Authority
- Configurable retention, archival, and legal hold policies

The Body Worn Camera system shall integrate with SASA 2.0 systems, including:

- Central Video Management System (VMS)
- Central Data Centre / centralized storage infrastructure
- Integrated Command and Control Centre (ICCC), where approved
- Enforcement and e-Challan systems, where footage is used as supporting evidence

Access to full-resolution footage shall be restricted to authorized users only, in accordance with policies defined by the Authority.

3.7.4 Privacy, Security, and Evidence Handling

All Body Worn Camera data handling shall comply with applicable privacy, cybersecurity, data protection, and statutory requirements.

Where mandated, the system shall support controlled viewing, masking/redaction during playback or export, and secure evidentiary handling aligned with legal admissibility standards.

Live streaming / live push functionality, wherever enabled, shall also be subject to secure transmission, authenticated access, audit logging and Authority-defined usage controls.

3.7.5 Operations and Maintenance

The SI shall provide comprehensive Operations & Maintenance for the Body Worn Camera system for the project duration, including:

- Preventive and corrective maintenance of devices and docking stations
- Replacement of faulty or damaged devices within SLA timelines
- Firmware and software updates
- Helpdesk and support services
- Training for end-users, supervisors, and administrators
- Standard Operating Procedures (SOPs) for device usage, evidence management, and access control
- Maintenance and support of docking-based upload workflows, live streaming / live push functionality, centralized storage and associated connectivity services

3.8. Location-Wise Minimum Camera Deployment Standard

The following minimum camera configuration shall be assumed for design, pricing, and licensing, irrespective of site-level optimization during detailed field survey. Minor orientation or placement variations shall not change the camera count.

Location Category	No. of Locations	Minimum Deployment per Location
AMC POIs	1,500	1 × PTZ camera per location
Sabarmati Riverfront	250	2 × Fixed Cameras (with ANPR Capabilities where required) per location
City Entry / Exit Points	88	2 × Fixed Cameras (with ANPR Capabilities where required) + 1 × PTZ per location
Bridges	17	4 × Fixed Cameras (with ANPR Capabilities where required) + 2 × PTZ per location
AMTS Bus Shelters	800	2 × Fixed Cameras (with ANPR Capabilities where required) + 1
Traffic Junction (Price Discovery)	1	3 × Fixed Cameras (with ANPR Capabilities where required) + RLVD cameras + 1 × PTZ + 1 × Rear Fixed camera

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Total Count:

Device Type	Quantity
PTZ Cameras	1,622
Fixed Cameras	2,344
Total Cameras	3,966

SCADL / AMC shall facilitate coordination with the concerned authorities for project-related permissions under their administrative control. However, the bidder shall remain responsible for preparation and submission of drawings, technical documents, method statements, compliance documents, liaison support, execution planning, and obtaining all approvals / permissions required for execution of the work. Unless specifically stated otherwise, no blanket waiver of Row / permission responsibility shall be inferred.

3.9. Video Analytics Use Cases

A. Primary Use Cases (Phase 1)

The following video analytics use cases are included in the primary scope of the project and must be deployed and operational at the relevant locations:

Sr. No.	Use Case	Description	Applicable Locations
1	Automatic Number Plate Recognition (ANPR)	Automatic detection and recognition of vehicle registration number plates from captured images, with logging of vehicle details and timestamp.	All locations where vehicle monitoring is required
2	Uncovered Debris in Trucks / Extended Metallic Elements	Detection of trucks carrying uncovered debris, sand, or construction material; detection of extended metallic elements protruding from vehicles.	Entry/Exit Points, Bridges, Riverfront
3	Debris and Garbage Dumping Detection	Detection of vehicles or persons dumping garbage, C&D debris, or waste at AMC POIs or public spaces.	AMC POIs
4	Over-Height Vehicle / Unauthorized Vehicle Entry	Detection of vehicles exceeding permissible height limits or unauthorized vehicles entering restricted areas.	Entry/Exit Points, Bridges
5	Spitting / Littering Detection	Detection of persons spitting or littering in public spaces.	Riverfront, Bridges, Shelters
6	Cattle Detection on Road	Detection of stray cattle / animals on roads posing a traffic hazard.	AMC POIs, Entry/Exit Points, Bridges
7	People Count / Overcrowd Detection	Counting of people in a defined area and alert generation when count exceeds threshold.	Riverfront, Bridges,
8	Vandalism / Property Damage	Detection of vandalism or intentional damage to public property, infrastructure, or surveillance equipment.	All locations
9	Unattended Object Detection / Object Tracking	Detection of objects left unattended for an extended period with ability to track origin.	Riverfront, Bridges, Entry/Exit
10	Encroachment Detection (Time-Lapse)	Periodic capture & comparison of PoI images to identify unauthorized construction, encroachment, or material dumping.	AMC POIs

Phase 2 Use Cases (Subject to authority's approval and decision)

The bidder must provide technical specifications, deployment methodology, and pricing for these use cases. SCADL reserves the right to issue work orders for their deployment at any time during the contract period at the discovered prices.

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Sr No	Use Case	Description	Potential Locations
1	Red Light Violation Detection (RLVD)	Detection of vehicles crossing the stop line after red signal; multi-frame evidence with signal-status overlay.	Traffic Junctions
2	Mobile Phone Usage While Driving	Detection of drivers using mobile phones while vehicle is in motion.	Traffic Junctions, Bridges, Entry/Exit
3	No Seatbelt Detection	Detection of driver/co-driver not wearing seatbelts.	Traffic Junctions, Bridges, Entry/Exit
4	No Helmet Detection	Detection of two-wheeler rider / pillion not wearing helmets.	Traffic Junctions, Bridges, Entry/Exit
5	Wrong-Side Driving Detection	Detection of vehicles driving against permitted direction.	Entry/Exit Points, Traffic Junctions, Bridges
6	Triple Riding Detection	Detection of two-wheelers carrying more than two persons.	Traffic Junctions, Bridges, Entry/Exit
7	Blocking Free Left / Stalled Vehicle Detection	Detection of vehicles blocking free-left turn lane or stalled in approach.	Traffic Junctions, Entry/Exit
8	Water Logging Detection	Detection of standing water on roads with alert generation.	All locations
9	Facial Recognition System	Identification of persons of interest via facial recognition (only at SCADL-approved locations).	Strategic PoS locations
10	Parking Occupancy Detection	Parking Occupancy Management at AMC POIs	AMC POIs
11	Speed Detection	Detection of vehicles exceeding the permissible speed limit, with evidence generation, timestamp, speed value, vehicle image and supporting metadata for enforcement review.	Traffic Junctions, Corridors, Approved Locations

Default Capabilities of the cameras

Capability	Description	Applicable To
Camera Tampering Detection	Auto-detection of any attempt to block, defocus, shift, damage, or interfere with the camera.	All cameras
Video Summarization	Rapid review of recorded footage, extraction of key events, efficient forensic analysis.	All cameras

PART I - Detailed Primary Use Cases (Included in Project Scope)

- a) Automatic Number Plate Recognition (ANPR): The system shall use dedicated ANPR cameras to detect and read vehicle number plates during both day and night. Plates shall be converted into machine-readable text and stored with time, location, number-plate image, and context image. ANPR shall be used to monitor vehicle entry, exit, and movement patterns at City Entry/Exit Corridors, Bridges, AMC POIs, and at Points of Surveillance where vehicle monitoring is required.
- b) Uncovered Debris in Trucks & Extended Metallic Elements: The system shall identify heavy vehicles transporting construction debris or other materials without appropriate covering, as well as trucks carrying extended metallic components that pose safety risks. Alerts, evidence images, and time-stamped event records shall be generated accordingly. This use case shall operate at City Entry/Exit Corridors, Bridges, and Riverfront.
- c) Debris and Garbage Dumping Detection: The system shall detect unauthorized dumping of debris, garbage, or construction waste by vehicles or individuals at AMC POIs (SWM Plots and Estate Plots) and public spaces. Alerts, evidence images, and timestamped event records shall be generated for municipal enforcement. This use case shall apply at AMC POIs.

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- d) Over-Height Vehicle / Unauthorized Vehicle Entry: The system shall detect vehicles exceeding permitted height limits or attempting unauthorized entry at controlled premises. Evidence and alert records shall be created for review. This use case shall apply at Entry/Exit Corridors and Bridges where access control or height restrictions are relevant.
- e) Spitting / Littering Detection: The system shall detect individuals spitting or littering in public spaces. Cameras shall capture the act and analytics shall identify the spitting/littering gesture. Evidence clips with timestamp and location metadata shall be generated for enforcement review. This use case shall apply at Riverfront PoS and Bridges.
- f) Cattle Detection on Road: The system shall detect stray cattle or animals present on carriageways. Cameras and analytics shall identify animal-shaped objects on the road surface and generate alerts with location, timestamp, and evidence footage for municipal response. This use case shall apply at AMC POIs, City Entry/Exit Corridors, and Bridges.
- g) People Count / Overcrowd Detection: The system shall count the number of people within the monitored area and provide density-based insights to support crowd management. Threshold-based alerts shall be generated when crowd density exceeds configurable limits. This use case shall operate at Riverfront areas and Bridges.
- h) Vandalism / Property Damage: The system shall detect acts of vandalism, tampering, or intentional damage to public property, including railings, street furniture, infrastructure, signage, or surveillance equipment. Alerts and evidence clips shall support timely response. This use case shall apply at all locations.
- i) Unattended Object Detection / Object Tracking: The system shall detect objects left unattended for a defined duration and shall track objects or individuals across camera views where required. The system shall generate relevant evidence clips and object movement trails. This use case shall apply at Riverfront areas, Bridges, and Entry/Exit Corridors where situational awareness is important.
- j) Encroachment Detection through Time-Lapse Comparison: The system shall detect changes in monitored areas using time-lapse comparison to identify possible encroachments, unauthorized construction, or alterations to land parcels. Deviations shall be flagged for review. This use case shall apply at AMC POIs (Estate Plots and SWM Plots).

PART II - Phase 2 Use Cases (Subject to authority's approval and decision)

- a) Red Light Violation / Stop Line Violation Detection (RLVD): The system shall detect vehicles that cross the stop line or enter the intersection during a red signal phase. The system shall be integrated with the traffic signal controller to receive real-time signal phase data. For each violation, the system shall generate a minimum of three evidence frames — before the stop line, at the stop line, and beyond the stop line - along with signal-status overlay, timestamp, vehicle number-plate image, and context image. This use case shall apply at Traffic Junctions.
- b) Detection of Mobile Phone: Usage While Driving The system shall detect drivers using a mobile phone (held to the ear or in hand) while the vehicle is in motion. Front-facing cameras shall capture cabin-level views at sufficient resolution to identify phone-holding posture. Evidence clips with metadata shall be generated for enforcement review. This use case shall apply at Traffic Junctions, Bridges, and Entry/Exit Corridors.
- c) No Seatbelt Detection: The system shall identify drivers and front-seat passengers of four-wheelers who are not wearing seat belts while the vehicle is in motion. Evidence clips and event metadata shall be generated for review. This use case shall apply at Traffic Junctions and Bridges.
- d) No Helmet Detection: The system shall detect two-wheeler riders and pillion riders who are not wearing helmets. It shall capture clear images suitable for enforcement review and generate the corresponding event records. This use case shall apply at Traffic Junctions, Bridges, and Entry/Exit Corridors.
- e) Wrong-Side Driving Detection: The system shall detect vehicles travelling against the designated direction of traffic flow on the carriageway. The system shall monitor vehicle movement direction relative to the lane's permitted flow using front-facing and ANPR cameras; contra-flow movement shall trigger an alert with evidence footage including vehicle image, number plate, and timestamp. This use case shall apply at Entry/Exit Corridors, Traffic Junctions, and Bridges.

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- f) Triple Riding Detection (More Than Two Passengers on Two-Wheeler): The system shall detect two-wheelers carrying more than two persons. Front-facing cameras shall capture images of two wheelers and analytics shall count the number of occupants. When the count exceeds two, an evidence clip with metadata shall be generated for enforcement review and e-Challan issuance. This use case shall apply at Traffic Junctions, Bridges, and Entry/Exit Corridors.
- g) Blocking Free Left / Stalled Vehicle Detection: The system shall detect vehicles obstructing free-left movement or remaining stalled within an approach lane. It shall capture lane-level evidence showing the position of the obstructing vehicle and shall notify operators of sustained blockages. This use case shall apply at Traffic Junctions and Entry/Exit Corridors to support traffic flow and early intervention.
- h) Water Logging Detection: The system shall detect water accumulation on road surfaces and in low-lying areas. Cameras shall monitor road and ground surfaces, and analytics shall identify standing water based on surface reflectivity, color change, and texture patterns. Alerts with location and severity indication shall be generated to enable early warning for traffic management and municipal drainage response. This case shall apply at all locations (especially low-lying zones).
- i) Facial Recognition System Facial recognition shall be used only at locations expressly approved by the Authority. Detected faces shall be compared against an approved database, and alerts shall be generated only when a match is confirmed. All applicable guidelines on privacy, permissions, and data security shall be followed. This use case shall apply at Strategic PoS locations as determined by the Authority.
- j) Parking Occupancy Detection / Parking Occupancy Management at AMC POIs: This use case shall support occupancy-based monitoring, alert generation, status reporting, trend analytics, and integration with centralized command and control / monitoring platform. Wherever applicable, this use case shall also support enforcement workflow integration, including integration readiness with RTO-related workflows and ONOC / e-Challan ecosystem, subject to availability of required interfaces, approvals and statutory provisions.
- k) Speed Detection: The system shall detect vehicles traveling above the permissible speed limit using approved speed detection methodology and suitable enforcement-grade camera / sensor setup. The system shall generate violation evidence including vehicle image, timestamp, location, speed value and supporting metadata for review and enforcement action. Wherever applicable, the system shall support integration with ANPR, e-Challan and related enforcement workflow. This use case shall apply at Traffic Junctions and such other locations as approved by SCADL / AMC.

Analytics Licensing Model: Analytics licensing shall be provided strictly on a per-camera per-use-case basis. The bidder should provision licenses equivalent to the number of cameras on which the respective analytics use cases are deployed. Lumpsum / bucket / enterprise licensing shall not be acceptable. The revised Analytics-to-Camera Mapping Matrix forms an integral part of this Corrigendum-2. Further, in the event that any camera is non-operational, switched off, or under maintenance, the corresponding analytics license cost for such period shall be deducted/reduced on a pro-rata basis, since no analytics service would be availed for that camera during the said period.

3.10. Camera to Use Case Mapping:

Primary Use Case Vs Camera Type			
Sr. No.	Use Case	PTZ Camera	Fixed Camera
1	Automatic Number Plate Recognition (ANPR)	No	Yes
2	Uncovered Debris in Trucks / Extended Metallic Elements	Yes	Yes
3	Debris and Garbage Dumping Detection	Yes	No
4	Over-Height Vehicle / Unauthorized Vehicle Entry	Yes	Yes

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Primary Use Case Vs Camera Type			
Sr. No.	Use Case	PTZ Camera	Fixed Camera
5	Spitting / Littering Detection	No	Yes
6	Cattle / Animal Detection on Road	Yes	Yes
7	People Count / Overcrowd Detection	No	Yes
8	Vandalism / Property Damage	Yes	Yes
9	Unattended Object Detection / Object Tracking	No	Yes
10	Encroachment Detection (Time-Lapse)	Yes	No

Phase 2 Use Case Vs Camera Type			
Sr. No.	Use Case	PTZ Camera	Fixed Camera
1	Red Light Violation Detection (RLVD)	No	Yes
2	Mobile Phone Usage While Driving	No	Yes
3	No Seatbelt Detection	No	Yes
4	No Helmet Detection	No	Yes
5	Wrong-Side Driving Detection	Yes	Yes
6	Triple Riding Detection	No	Yes
7	Blocking Free Left / Stalled Vehicle Detection	Yes	Yes
8	Water Logging Detection	Yes	Yes
9	Facial Recognition System	Yes	Yes
10	Parking Occupancy Detection	No	Yes

3.11. Camera Placement, Coverage and Analytics Design

Camera placement shall be based on a thorough field survey that analyses angles, shadows, obstructions, lighting, and subject distance. The Selected Bidder shall prepare detailed coverage diagrams for every location, confirming that pixel density requirements for each use case are met. Evidence-grade performance is mandatory for enforcement sites; therefore, front-facing cameras, ANPR views, and PTZ verification views must be optimized for clarity.

All analytics must execute in Realtime or server side, and result should be getting in Realtime. The design shall clearly establish which camera delivers which analytics function, how verification is performed, and how long evidence clips are retained before being transmitted. Only alerts, metadata, and evidentiary clips shall be sent to the ICCC or ONOC. The updated analytics framework covers key use cases such as ANPR, helmet detection, seatbelt detection, wrong-side driving, dumping detection, vandalism, object tracking, encroachment, crowd density and other authorized analytics including facial recognition (only at locations explicitly approved by SCADL). A revised analytics-to-camera mapping matrix is included as an annexure to this chapter; however, final applicability will be determined after field surveys and design validation sessions with SCADL.

3.12. Network Architecture

The network design shall connect all field locations to the Central Data Centre using a combination of MPLS, L2VPN, leased line, Connectivity from ISP, Broadband and Wireless connectivity, depending on site feasibility and criticality. Bandwidth must be sized to support event uploads, metadata transfer, and short live-view bursts, ensuring that latency and jitter meet the thresholds defined in the RFP (minimum 6–8 Mbps per camera considering 4MP H.265/H.264 encoding, with three parallel streams per camera).

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Network resilience shall be ensured through diversified last-mile fibre for eligible sites and automatic failover capabilities between primary and fallback media. Field switches shall be hosted within IP-rated, tamper-resistant enclosures, and the entire connectivity ecosystem shall integrate with the centralized NMS for monitoring uptime, throughput, packet loss, device health, and alarms. All communication channels shall be encrypted and aligned with the Authority's cybersecurity requirements

3.13. *Application & Integration Architecture*

The application design shall include a unified Video Management System (VMS) with audit logging, role-based access controls, secure authentication, and operator workflow tools. The analytics platform shall ingest events from devices, with workflows for verification, tagging, forwarding, and closure. The e-Challan module shall operate for Entry/Exit Corridors and Traffic Junctions, and at Bridges only when specifically approved by SCADL.

Integration with ICCC, RTO, ONOC, and any authorized external systems (Nirbhaya, VISWAS, CSITMS, Netram Gujarat) shall follow published APIs / SDKs. Data flows, event formats, metadata structures, and authentication mechanisms must comply with SCADL's security and interoperability requirements. The system must support dashboards for event monitoring, performance reporting, and SLA compliance.

3.14. *Documentation & Design Approval Process*

Before implementation, the bidder shall submit a complete design package including detailed design documents, coverage maps, network diagrams, civil / electrical drawings, data flow architecture, integration architecture, and a revised BoQ aligned to the approved design and revised scope. The design shall be reviewed jointly with SCADL and concerned departments. Implementation shall commence only after SCADL provides formal approval.

3.15. *Infrastructure and Civil Works*

The selected bidder shall be fully responsible for all infrastructure and installation work at all location types including AMC POIs, Bridges, City Entry and Exit Points, Sabarmati Riverfront, AMTS Shelters, and Traffic Junction (price discovery). The scope of infrastructure work includes but is not limited to:

- **Civil and Foundation Work:** Design, excavation, and construction of camera pole foundations as per structural engineering standards.
- **Pole Installation:** Supply, transportation, and erection of galvanized steel camera poles of appropriate height (6 m, 8 m, or 10 m) as per site requirements.
- **Cantilever and Gantry Installation:** Supply and installation of cantilever arms and gantry structures for bridges, entry/exit points, and traffic junctions.
- **Ducting:** Supply and laying of HDPE ducts for fiber optic and power cable routing.
- **Excavation and Trenching:** All excavation work required for laying underground cables and ducts.
- **Right of Path (ROP):** Obtaining all necessary permissions from concerned authorities for laying cables along public roads and pathways.
- **Road, Footpath and Ground Reinstatement:** After completion of excavation / cable-laying, the bidder shall restore all roads, footpaths, and ground surfaces to their original condition as per the standards of the respective authority.

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- **Cabling:** Supply, laying, and termination of all fibre optic cables, power cables, and Ethernet cables.
- **AMTS Shelter Works:** Structural mounting brackets, internal cable management, concealed conduiting, and reinstatement inside shelter premises.
- **All Other Works:** Any other civil, electrical, or mechanical work required for the complete installation and commissioning of the surveillance system.

3.16. Power Supply

The bidder / selected SI shall be responsible for complete planning, coordination, liaisoning, documentation, application processing, follow-up, and execution support required for arranging electricity connectivity for all field locations / components under the project, including last-mile power cabling, termination, and associated enabling works as required for successful commissioning. Accordingly, any item(s) relating to electricity connection charges, electricity setup charges, meter charges, utility deposits, application fees, or similar electricity establishment costs shall be treated as excluded for quoting purpose and shall not be quoted separately by the bidder.

The actual statutory charges paid to the concerned electricity authority towards electricity connection / service release, including applicable connection charges, meter-related charges, and security deposit, if any, shall be reimbursed on actual basis, subject to submission of documentary evidence and approval of the competent authority. Such reimbursement shall be limited strictly to the actual amount paid to the concerned authority and shall not include any overheads, administrative charges, liaisoning charges, penalties, interest, or profit of the bidder. Recurring electricity consumption charges during the operational phase shall be governed as per the tender / contract conditions.

The bidder / selected SI shall also be responsible for obtaining required permissions and carrying out trenching, digging, ducting, cable laying, cable termination, reinstatement, restoration, and other ancillary civil / utility works as required under the project scope. Any cost towards reinstatement, restoration, rentals, and similar civil work-related expenses shall be borne by the bidder. However, RoW charges and security deposits, wherever applicable and paid to the concerned authority, shall be reimbursed on actual basis, subject to submission of supporting documents and approval of the competent authority.

3.17. Internet Connectivity

Similar to the power supply, the bidder shall be responsible for providing internet connectivity at all surveillance locations through either of the following options:

The bidder may provision MPLS, leased line, or broadband connectivity from authorized Internet Service Providers. This is the preferred option for all locations where wired connectivity is feasible.

For remote locations where wired connectivity is not feasible, the bidder may use Wireless connectivity as a last-mile fallback. Wireless solutions shall provide adequate bandwidth to support live video streaming, transfer the required data to data centre and analytics from all cameras at the location.

All connectivity costs shall be borne by the bidder. Regardless of the connectivity solution chosen, the bidder must meet the performance and SLA requirements defined in this RFP.

3.18. Data Centre (On-Premises)

Under this project, a new on-premises Data Centre shall be created at a location provided by SCADL. SCADL shall provide a basic government office building at the designated location. However, all other requirements for setting up a fully functional, Tier-III equivalent data centre (racks, cooling, power, fire suppression, physical access control, servers, storage, networking, cybersecurity, VMS, analytics, e-Challan, dashboards) shall be under the bidder's scope.

The primary storage subsystem shall be an enterprise-grade, dual-controller, active-active SAN/NAS solution designed to support continuous 24×7 recording of approximately 3,966 cameras with a minimum 30-day retention requirement. The storage system shall provide at least 10 PB of raw capacity (equivalent to approximately 9.5–10 PB usable under RAID-6) and must be built using high-capacity NL-SAS drives with adequate global hot spares. The system shall support sustained high-throughput write operations, rapid rebuild times, AES-256 encryption at rest, and seamless scalability to accommodate future expansion. The storage architecture shall include redundant controllers, redundant power, multipath connectivity, and 10G/25G uplink interfaces to ensure high availability, zero data loss, and non-disruptive failover. The solution shall support snapshots, health monitoring, and full integration with the VMS for stable, long-duration video archival.

3.19. Unified Dashboard, Analytics and Enforcement Integrations

The bidder shall provide a combined / unified dashboard for centralized monitoring, reporting and analytics covering Parking Occupancy Management and all proposed / approved use cases under the project.

The dashboard shall support, at minimum:

- Real-time event / alert monitoring;
- Site-wise, use-case-wise and category-wise views;
- Occupancy analytics and historical trend analysis;
- Alert summary, status tracking and operator action logs;
- Reporting and dashboard widgets for enforcement and operational analytics;
- Integration outputs for VMS / ICCC / central monitoring platform;
- Integration readiness for RTO and One Nation One Challan (ONOC) / e-Challan related workflows, wherever applicable.

The dashboard shall be made available at ICCC / designated command center locations as required under the project.

3.20. Network Detection & Response (NDR)

The NDR solution for the entire network of SASA 1 and SASA 2 shall be part of the scope of the selected agency. The selected agency shall design, supply, install, configure, commission, and maintain a comprehensive Network Detection and Response solution that provides unified cybersecurity monitoring and protection for the entire SASA surveillance network encompassing both SASA 1 and SASA 2 infrastructure. The NDR solution shall be hosted at both the existing data centre and the new data centre to ensure comprehensive coverage, redundancy, and high availability.

The scope of the NDR deployment covers all network segments, devices, and communication paths within the SASA network. The agency shall be responsible for all aspects of the NDR solution including hardware procurement, software licensing, sensor deployment, management console setup, integration with existing security infrastructure, configuration of detection rules and response playbooks, ongoing monitoring, maintenance, and support for the entire contract period of five years and nine months.

3.21. Operations and Maintenance (5 Years)

The selected agency shall provide comprehensive Operations and Maintenance services for the entire SASA 2.0 system (including the AMTS additional scope) for a period of five (5) years commencing from the date of Go-Live. The O&M scope covers all hardware, software, networking, connectivity, power, field infrastructure, data centre, AMTS central infrastructure, NDR, and manpower deployed under this project. The agency shall ensure that all SLA benchmarks defined in this RFP are met consistently throughout the O&M period.

Key O&M Responsibilities:

- **Preventive Maintenance:** Monthly cleaning and inspection of all cameras, poles, junction boxes, and field equipment; quarterly network health audits; half-yearly server and storage maintenance including firmware updates; and annual comprehensive system audit covering all components.
- **Corrective Maintenance:** Prompt repair or replacement of any faulty hardware including cameras, switches, media converters, UPS, batteries, solar panels, cables, and connectors within the SLA-defined resolution timelines. Minimum **5% critical spares inventory** shall be maintained within Ahmedabad at all times.
- **Software and Analytics Maintenance:** Regular updates, patches, and bug fixes for VMS, video analytics platform, ICCC dashboard, ticketing system, E-Challan module. Periodic retraining of AI/ML analytics models to maintain accuracy benchmarks. Addition of new analytics features as reasonably requested by SCADL.
- **Connectivity and Power Management:** End-to-end management of all MPLS, leased line, broadband, and wireless connectivity including liaison with ISPs, Wireless recharges, and bandwidth monitoring. Payment of electricity bills for all grid-connected sites. Maintenance of solar power systems including panel cleaning, battery replacement, and charge controller servicing. UPS battery replacement as per lifecycle.
- **Data Centre and NDR Operations:** 24×7 monitoring and maintenance of both data centre infrastructures (SCADL DC) including servers, storage, cooling, power, fire suppression, and access control. 24×7 SOC operations for NDR including threat monitoring, incident response, forensic investigation, penetration testing, and security reporting as detailed in the NDR scope.
- **NOC and Helpdesk:** 24×7 Network Operations Centre for proactive system monitoring, fault detection, and first-level resolution. 24×7 helpdesk with ticketing system for logging, tracking, and resolving all incidents and service requests through phone, email, and web portal.
- **Field Support and Manpower:** Deployment of dedicated zone-wise field engineers and technicians across the city for on-site issue resolution and preventive maintenance at all location categories including AMTS shelters. All manpower costs, tools, vehicles, and consumables required for O&M shall be borne by the agency.
- **Reporting:** Submission of daily camera health reports, weekly analytics performance reports, weekly incident reports, monthly SLA compliance reports, monthly executive summaries, and quarterly comprehensive performance reviews to SCADL / AMTS as per the defined reporting schedule.

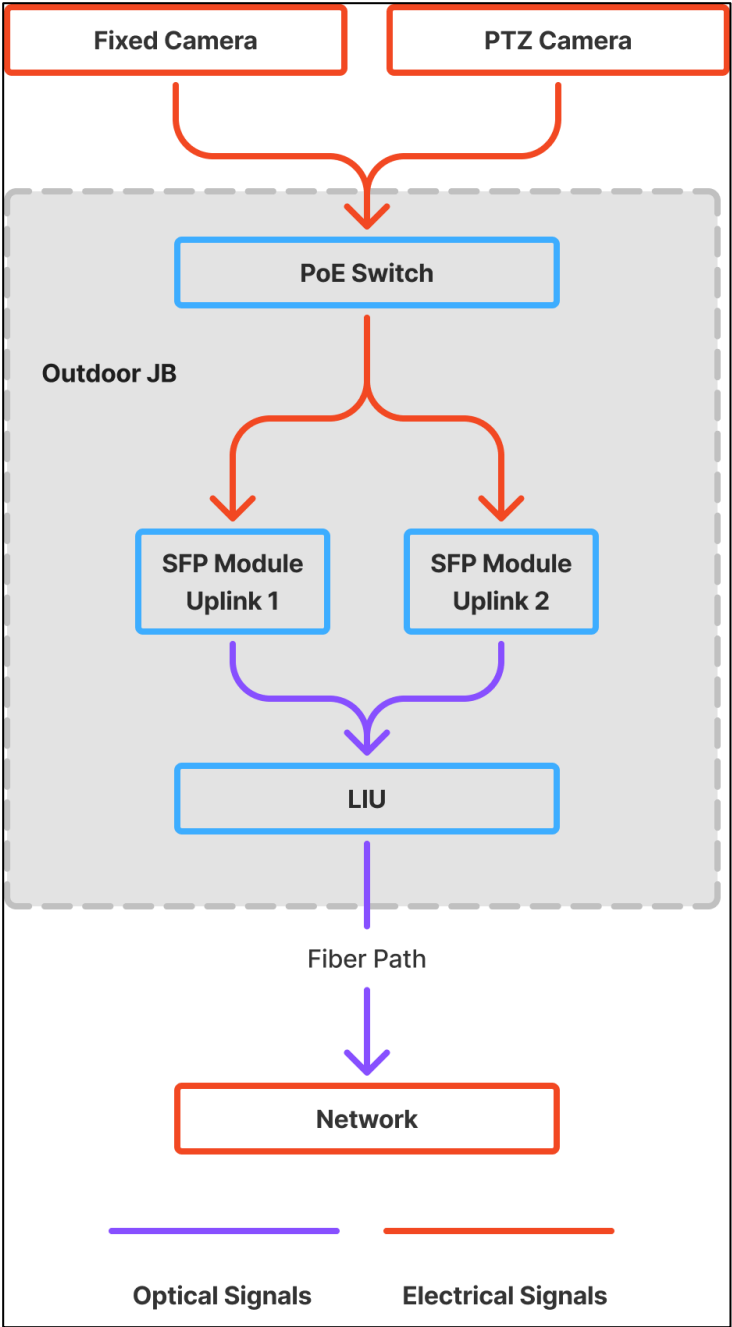
3.22. Future Scope Provision

SCADL reserves the right to award additional work of 25–30% of the discovered project quantity during the project duration at the same discovered unit rates and contractual terms & service

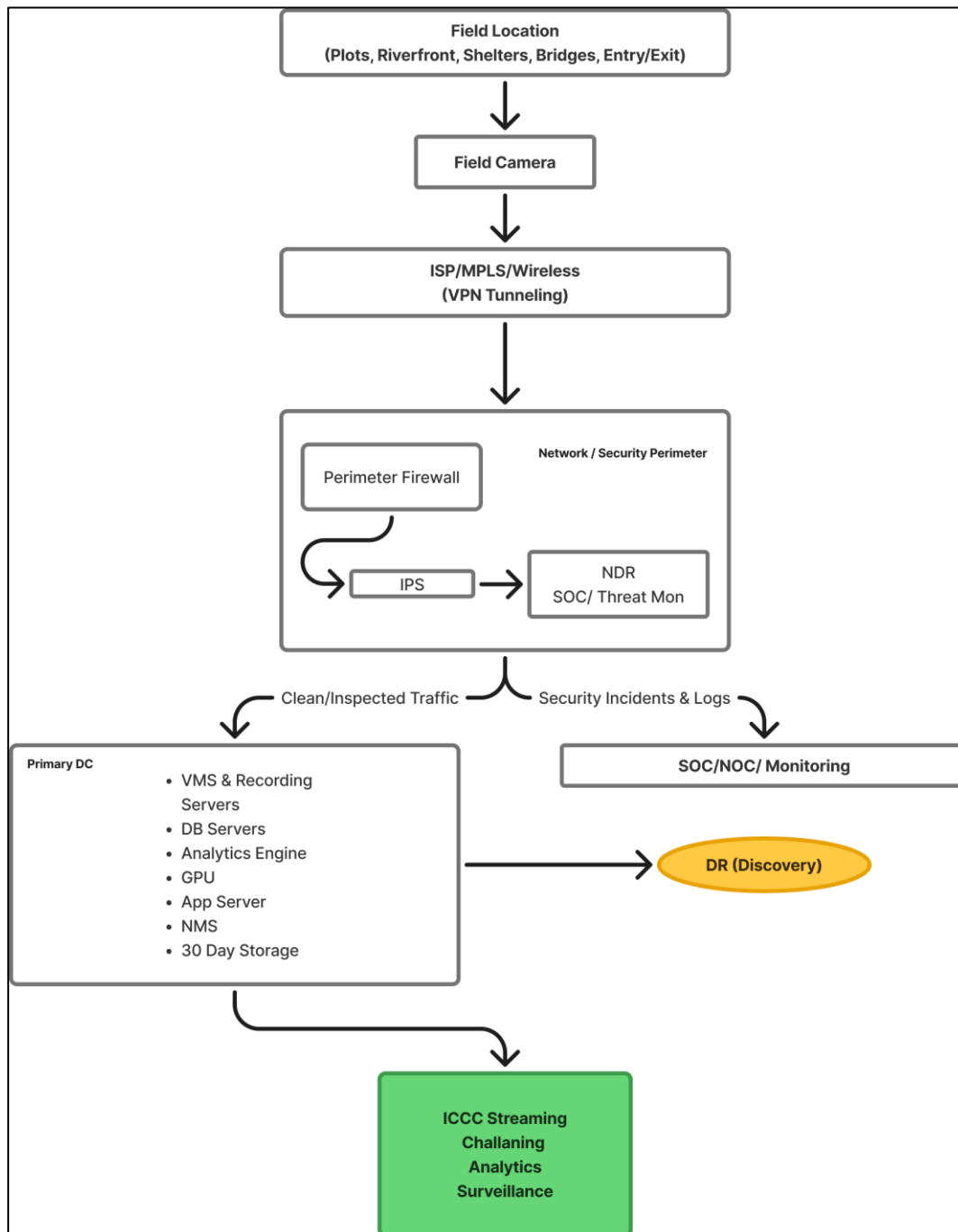
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levels. This provision may be invoked for additional AMC POIs, riverfront locations, bridges, entry/exit points, AMTS shelters, or traffic junctions, as determined by SCADL.

3.23. Field Network Design



3.24. Data Flow Design



Note: The diagrams in 3.21 and 3.22 are indicative, selected bidder should design their own better feasible solution and data-flow architecture.

The quantities indicated in the BOQ are tentative, indicative and subject to change. SCADL / AMC reserves the right to increase, decrease, reallocate, split or rationalize the quantities, department-wise allocation and deployment architecture based on joint survey, operational requirement, approved design and site feasibility. The final quantities to be executed shall be finalized by SCADL / AMC at the time of issuance of Work Order / release order, and the bidder shall be bound to execute the same at the quoted unit rates and tender terms and conditions.

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4. Pre-Qualification (PQ) Evaluation Criteria

The bidder must possess the requisite experience, strength and capabilities in providing services necessary to meet the requirements as described in this document. The bids must be complete in all respect and should cover entire scope of work as stipulated in the bid document. This invitation to bid is open to all bidders who qualify the eligibility Criteria as given below:

Sr No	Description	Minimum Requirement	Documentary Proof
1	Consortium	<p>1.1 Consortium is allowed for participation in this tender. Consortium should be of maximum of two (2) parties.</p> <p>1.2 Collectively they should meet the aggregate requirement for financial, experience and technical capability described in this document for eligibility.</p>	<p>a) Original or Notarized Copy of consortium partnership with clearly defined stake and scope of each partner.</p> <p>b) Undertaking by lead SI of consortium to be sole responsible for execution of work defined in RFP and meeting the performance criterion.</p>
2	Legal Entity	<p>2.1 The bidder (whether sole or all consortium partners) should be an Indian firm.</p> <p>2.2 The bidder should be registered under the Companies Act 1956/2013 in India or a Limited Liability Partnership Firm under Limited Liability Partnership Firm Act 2008 or as a proprietorship firm at the time of the bidding</p> <p>2.3 The bidder should have a registered number of, GST, Income Tax / Pan number</p> <p>2.4 The bidder should be in operation in India for a period of minimum 5 years.</p>	<p>a) Copy of certification of incorporation issued by competent authority/ Registration Certificate/ Shop & Establishment certificate</p> <p>b) Copy of PAN card</p> <p>c) Copy of GST registration</p> <p>d) Copy of purchase orders showing at least 5 years of operations OR Certified true copy of balance sheet and P&L statements for last 5 years</p>
3	Financial Capability	<p>3.1 The bidder (whether sole or both members of a consortium jointly) should have average annual turnover of at least Rs. 250 Cr from IT/ITES/Telecom projects from last three audited financial years ending 31 March 2025, i.e. (FY 2022-23, FY 2023-24 and FY 2024-25).</p> <p>3.2 The bidder must have positive net worth as of the last financial year as on 31 March 2025.</p> <p>3.3 The bidder who wishes to submit the financial capability of on-going FY 2025-26; the last three FY for consideration will FY 2023-24, FY 2024-25 and FY 2025-26.</p> <p>3.4 In case of consortium -:</p> <ul style="list-style-type: none"> - The lead bidder and consortium partner together shall meet the 	<p>a) Copy of audited Balance Sheet, audited Profit & Loss statements for each of the last 3 financial years as on 31st March 2025.</p> <p>b) Certificate from the statutory auditor / Chartered Accountant (CA) clearly specifying the annual turnover for each of the last 3 financial years as on 31st March 2025. Original or Notarized Copy should be submitted for evaluation.</p> <p>c) For on-going financial year, CA certificate is required for FY 2025-26 at the time of bid submission. And the final</p>

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Sr No	Description	Minimum Requirement	Documentary Proof
		aggregate average annual turnover of Rs. 250 Crores Cr from IT/ITES/Telecom projects in last 3 financial years ending 31 March 2025, i.e. i.e. (FY 2022-23, FY 2023-24 and FY 2024-25).	audited balance sheet with audited profit & loss statement shall be submitted when the audit is completed.
4	Bidder's Experience - 1	<p>Similar Work - The bidder (whether sole or both members of a consortium jointly) should have experience in supply/installation/maintenance of surveillance project with camera, required accessories and with video analytics in India in the last seven years for a government entity (Urban Local Bodies or State Government or Central Government or PSUs or Government SPVs).</p> <ol style="list-style-type: none"> One similar project with a project value of Rs. 150 Crores or more; or Two similar projects, each with a value of Rs. 95 Crores or more; or Three similar projects, each with a value of Rs. 76 Crores or more. <p>In case of consortium -:</p> <ul style="list-style-type: none"> The lead bidder and consortium partner must collectively meet the total experience requirement specified above. Only projects that match the definition of "similar work" will be considered eligible. When combining (aggregating) experience, only the project values can be added together. 	<p>In case of Completed project – Copy of work order/LOI/LOA And Copy of Signed Contract and Completion/Go-Live/Experience Certificate from client</p> <p>In case of ongoing projects -</p> <p>Copy of work order/LOI/LOA And Copy of Signed Contract and Performance /Go-Live/Experience Certificate from client And Certificate from the client mentioning the amount of physical and financial progress</p> <p>Bidder to submit the project details as per format given in the RFP</p>
5	Bidder's Experience_2	The Bidder (whether sole or both members of a consortium jointly) should have a minimum aggregate experience of supplying/installing, or maintaining at least 1000 IP-based CCTV outdoor cameras across multiple surveillance projects with remote viewing through MPLS/VPN/WAN/GPON/Leased Line, video analytics in India over the last seven years. These projects must have been for government entities such as Urban Local Bodies, State Government,	

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Sr No	Description	Minimum Requirement	Documentary Proof
		Central Government, PSUs, or Government SPVs.	
6	Bidder's Experience_3	<p>The Bidder (whether sole or both members of a consortium jointly) should have experience in supplying/installing/maintaining video analytics solutions for surveillance projects in India over the last seven years. These projects must be for government entities such as Urban Local Bodies, State Government, Central Government, PSUs, or Government SPVs.</p> <p>To qualify under this criterion, the Bidder (sole or any one consortium partner) must have completed at least one project that includes video analytics use cases for Automatic Number Plate Recognition (ANPR).</p> <p>Additionally, the bidder (whether sole or both members of a consortium jointly) should have experience in at least five (5) of the following use cases from multiple projects:</p> <ol style="list-style-type: none"> Debris / Garbage Dumping Encroachment Detection (Time Lapse Comparison) Automatic Number Plate Recognition (ANPR) Vandalism / Property Damage Uncovered Debris in Trucks & Extended Metallic Elements Over Height Vehicle / Unauthorized Vehicle Entry Spitting Detection / Littering Detection Detection of Cattle on Road Detection of Wrong Side Driving Detection of More Than Two Passengers on Two-Wheeler (Triple Riding) Blocking Free Left / Stalled Vehicle Detection People Count / Overcrowd Detection Unattended Object Detection / Object Tracking Detection of Water Logging Facial Recognition 	

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Sr No	Description	Minimum Requirement	Documentary Proof
		xvi. Red Light Violation / Stop Line Violation Detection (RLVD) xvii. Detection of Mobile Phone Usage While Driving xviii. Not Wearing Seat Belt xix. No Helmet Detection	
7	Certification	The Bidder (whether sole or any member of consortium), should possess the certifications below valid at the time of bidding): i. CMMI Level 3 ii. ISO 27001:2013 for Information Security Management Systems The Bidder (whether sole or all members of consortium including lead bidder), should have valid ISO 9001:2008/ISO 9001:2015 certification	Copies of valid certificates in the name of the bidding entity
8	Manpower	The Bidder (whether sole or lead bidder of consortium), should have at least 50 technical employees on its payroll at the time of bidding, having experience in surveillance project/software design/development testing/maintenance activities.	Certificate from HR head confirming compliance.
9	OEM Partnership	i. The bidder should have own or should have assured access to the required items asked in this RFP document in full working order, and must demonstrate that, based on known commitments, they will be available for use in the proposed contract. ii. OEM Partnership Certificate – SI should submit Authorization letter from OEM (camera, server, storage, networking, required software and other items mentioned in BoQ of this RFP). iii. SI should submit a certificate from OEM ensuring technical support as well as supply of the required product / spares for entire contract duration. iv. SI should submit a certificate from OEM confirming presence in India either directly or through channel partner(s) as on the date of release of tender. v. SI should submit a certificate from OEM confirming compliance with performance criterion described in	Authorization Letter from OEM at company's letter head signed by authorized signatory in format described in RFP along with necessary copy of certificate for Network Service Provider

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Sr No	Description	Minimum Requirement	Documentary Proof
		<p>this tender.</p> <p>vi. SI should submit a certificate from OEM confirming they have not been blacklisted by any State / Central Government Department or Central/State Public Sector.</p> <p>vii. The Network Service Provider should provide MPLS Network connectivity. The operator must have a valid license from Dept. of Telecom (DoT), GoI.</p> <p>viii. The bidder should submit declaration on OEM letterhead with respect to IPR and MAC address.</p> <p>Note: The IPR certificate should be submitted only for the specific make and model of the products quoted in the unpriced Bill of Material.</p> <p>The MAC address certificate should be submitted only for the specific make and model of the products quoted in the unpriced Bill of Material. For example, if the camera listed in the BOM is made ABC and model: 123, then the MAC certificate must correspond specifically to make ABC and model 123.</p>	
10	Mandatory Undertaking	<p>The Bidder (whether sole or both partner of consortium) and OEMs, should:</p> <p>4.1 Not have been blacklisted by Central Government / Any State Government / PSU in India as on the date of bid submission.</p> <p>4.2 Not be insolvent, in receivership, bankrupt or being wound up, not have its affairs administered by a court or a judicial officer, not have its business activities suspended and must not be the subject of legal proceedings for any of the foregoing reasons.</p> <p>4.3 The SI should have at least one office in Gujarat and preferably support centres/logistics for the entire state. If the SI/SI or consortium member is not having any office in Gujarat, then</p>	Self-declaration duly signed and stamped by the authorized signatory in in format described in RFP.

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Sr No	Description	Minimum Requirement	Documentary Proof
		<p>SI should submit a letter of undertaking to open the office in Gujarat within 45 days from the date of issue of work order if he is awarded the work</p> <p>4.4 Not have their directors and officers convicted of any criminal offence related to their professional conduct or the making of false statements or misrepresentations as to their qualifications to enter into a procurement contract within a period of three years preceding the commencement of the procurement process or not have been otherwise disqualified.</p> <p>4.5 Submit declaration on OEM letterhead with respect to IPR as per format given in RFP</p>	
11	Bidder's office	The Bidder (whether sole or both partner of consortium), should have an office in Gujarat or should set up offices in Gujarat in 45 days from the award of Work Order	Copies of any two of the following: Property Tax/ Electricity/ Telephone Bill/ VAT/ CST Registration / Lease agreement. Or Undertaking to open Office in Gujarat
12	Land Border	The lead bidder, consortium partner and OEMs are required to submit the undertaking as per the Department of Expenditure, Government of India guidelines on procurement dated 23.07.2020 to confirm that, all the quoted product Make under this bid are not from a country which shares a land border with India or, of if from such a country, quoted product/OEM have been registered with competent authority.	The lead bidder & consortium partner is required to submit the undertaking for all quoted products and for OEM on their company letter head

Note:

- i. The age of the project will be counted from the date of the Go-Live/Completion up to the RFP release date.
- ii. If the project went live more than 7 years ago as on RFP release date and is currently in the Operation & Maintenance phase, it will be considered. However, the relevant documents to be submitted to ascertain the claim.
- iii. Experience with PUC and Government SPVs will be considered only if they are the end clients.

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- iv. The SI or consortium members may include prior experience of projects where they were part of a consortium or joint venture, provided these projects meet the similar work definition and project value requirements, supported by client documents.
- v. OEM experience will not be considered for eligibility.
- vi. Any Work Order issued by a successful bidder to a third-party subcontractor will not be considered for qualification under this criterion, even if the end client is a government entity.
- vii. The lead bidder and all consortium partners will be jointly and severally responsible for project execution and must individually demonstrate relevant experience as per the pre-qualification criteria.
- viii. For ongoing projects, only those with more than 50% physical or financial progress of the awarded work will be considered.
- ix. Completed Project means all deliverables are supplied, installed, tested, commissioned, and accepted by the client with a 100% Go-Live/Completion Certificate.
- x. The Bidder must attach valid documents in support to their pre-qualification as mentioned above. Without proper supporting documents, the bid proposals are liable to be rejected.
- xi. For all cited projects under Bidder's experience criteria; the Bidders shall have to submit work order with complete BoQ, contract agreement, go-live / completion certificate, proof for O&M as documentary evidence against each of the project.
- xii. SCADL reserves the right to check/validate the authenticity of the information provided in the bidder's proposal.
- xiii. The bidder needs to provide contact detail (email & phone number) of senior official from end client to verify WO / citation details.
- xiv. SCADL (or the nominated party) reserves the right to check/validate the authenticity of the information provided in the Pre-qualification and Technical evaluation criteria.
- xv. For all resource CVs provided under manpower details, profiles will only be considered if they are on company payrolls as of the bid submission date.
- xvi. The Bid Evaluation Committee (BEC) may invite each bidder to make a presentation may require written clarifications from the bidders to clarify ambiguities and uncertainties arising out of the evaluation of the Bid documents.
- xvii. The bidder should submit authorization certificate of Original Equipment Manufacturer (OEM) (or multiple OEMs) specific to the bid. The bidder should have a support agreement/arrangement for services including supply of spare parts etc. which includes the post-sales support activities for the entire project period.
- xviii. The bidder cannot be part of multiple bids. Only an OEM / Product Company can be part of multiple consortiums (if the firm is not participating as a Lead Bidder), if bidding ONLY as the Solution provider for the respective Product / Solution.
- xix. In case of any change in eligibility criteria during bidding stage, it is bidder's responsibility (all consortium partners in case of consortium) to bring any change to Purchaser notice if there is a change in the status of the bidder during bidding stage, with reference to any of the above-mentioned criteria for eligibility.
- xx. If the project is ongoing and has not completed the implementation phase or has not been declared Go-Live, then in that case the mandatory minimum components mentioned in the criteria need to be operational and the bidder has to share the completion certificate of the claimed completed component from the client.
- xxi. If the cited work was executed by a consortium member as part of a consortium, the claimant must provide the work order issued by the lead consortium member. Supporting documents must clearly outline the specific scope of work undertaken by the claimant. Additionally, a Go-live certificate or completion certificate must be submitted to validate project execution.
- xxii. In case of a consortium, applicant consortia shall have a valid Memorandum of Understanding (MoU) / Consortium Agreement among all the members signed by the CEO / Country Head / Authorized Signatories of the companies dated prior to the submission of the bid. The MoU / Consortium Agreement shall clearly state the composition of the consortium who shall be the Lead bidder, the complete description of the partner and Roles & Responsibilities of the partner. The consortium bid submitted without valid MoU / Consortium Agreement shall be treated as

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non-responsive. The contract shall be signed with the Lead Bidder with mentioning name of the consortium partner, and the Lead Bidder shall be single Point of Contact for this Project. PBG shall be submitted by the Lead Bidder. The payments for the said project shall be released only in the name of Lead Bidder.

- xxiii. The lead Bidder shall be solely responsible for any failure and liable to the authority for the execution of the entire project / SoW in accordance with the terms & conditions of the bid document and a statement of this effect shall be included in the MoU / Consortium Agreement/ Contract.
- xxiv. In case at any point of time after issue of WO to successful bidder, the details provided are found to misrepresent any facts or documents or any piece of information provided, then bidder, consortium partner, OEM(s) shall be disqualified and blacklisted. In such situation, the successful bidder will have to provide the new solution of new OEM as per the requirement of the RFP at no extra price within one month subject to levy of a penalty of 5% of the total project cost of respective items of BOQ for concerned OEM.
- xxv. Bidders are required to submit documentary evidence of their projects, performance, and experience issued by both the contracting client and the end client to enable assessment of the actual performance of the bidder, consortium partners, and OEMs on this project. During evaluation, AMC/SCADL may request additional documents from bidders if such evidence is not included in their proposals, and bidders must submit these within the stipulated timeframe.
- xxvi. During the evaluation of the Bid, SCADL reserves the right to enquire / seek additional documents / justification to further understand the Bidder's submission against various qualification criteria. Such communication shall be at the discretion of SCADL. No claim from any of the Bidder in this regard shall be entertained for any of the reasons(s) pertaining to the bid evaluation.

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5. Technical Qualification (TQ) Evaluation Criteria

As part of the bid evaluation process the Bid Evaluation Committee (BEC) appointed by AMC/SCADL shall evaluate the technical capability of bidder and proposed solution. The evaluation categories would be divided into various sub-categories, as broadly mentioned below:

Sr. No.	Evaluation Criteria	Sub-Criteria	Max. Marks	Marking Guidelines
1	Similar Work Experience of Bidder - 1	<p>The bidder (whether sole or both members of a consortium jointly) should have experience in the supply, installation, or maintenance of surveillance projects with a minimum value of Rs. 50 Cr, including cameras, required accessories, and video analytics, in India over the last seven years for a government entity (Urban Local Bodies, State Government, Central Government, PSUs, or Government SPVs).</p> <p>Under this criterion, multiple similar projects will be considered for value aggregation</p> <p><i>(All conditions, including the requirement for supporting documents defined in the PQ table, apply to eligible projects. Bidders must submit a self-declaration of marks obtained under this criterion on their letterhead, along with documentary evidence issued by the contracting client clearly specifying compliance)</i></p>	20	<ul style="list-style-type: none"> Similar projects with cumulative values of more than 150 Cr: 5 Marks Similar projects with cumulative values of: More than 200 Cr: 10 Marks Similar projects with Cumulative values of More than 300 Cr: 15 Marks Similar projects Cumulative values of More than 400 Cr: 20 Marks
2	Similar Work Experience of Bidder - 2	<p>The bidder (whether sole or both members of a consortium jointly) must have experience in successfully completed video analytics solutions for surveillance projects in India within the last seven years, with Go-Live certificates issued by the client. These projects should have been executed for government entities such as Urban Local Bodies, State Government, Central Government, PSUs, or</p>	20	<ul style="list-style-type: none"> 5 Use Cases - 5 Marks 6-10 Use Cases - 10 Marks 11-15 Use Cases - 15 Marks 16-19 Use Cases - 20 Marks

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Sr. No.	Evaluation Criteria	Sub-Criteria	Max. Marks	Marking Guidelines
		<p>Government Special Purpose Vehicles (SPVs).</p> <p>Marks will be allotted based on the bidder's prior experience for the maximum number of use cases from the list below, demonstrated across multiple projects.</p> <ol style="list-style-type: none"> Debris / Garbage Dumping Encroachment Detection (Time Lapse Comparison) Automatic Number Plate Recognition (ANPR) Vandalism / Property Damage Uncovered Debris in Trucks & Extended Metallic Elements Over Height Vehicle / Unauthorized Vehicle Entry Spitting Detection / Littering Detection Detection of Cattle on Road Detection of Wrong Side Driving Detection of More Than Two Passengers on Two-Wheeler (Triple Riding) Blocking Free Left / Stalled Vehicle Detection People Count / Overcrowd Detection Unattended Object Detection / Object Tracking Detection of Water Logging Facial Recognition Red Light Violation / Stop Line Violation Detection (RLVD) 		

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Sr. No.	Evaluation Criteria	Sub-Criteria	Max. Marks	Marking Guidelines
		xvii. Detection of Mobile Phone Usage While Driving xviii. Not Wearing Seat Belt xix. No Helmet Detection All use cases with Video summarization functionality <i>(All conditions, including the requirement for supporting documents defined in the PQ table, apply to eligible projects. Bidders must submit a self-declaration of marks obtained under this criterion on their letterhead, along with documentary evidence issued by the contracting client clearly specifying compliance)</i>		
3	OEM Capability - 1	<p><u>OEM for Cameras</u></p> <p>The bidder must submit an OEM partnership certificate in the format specified in the RFP. The proposed OEM should have experience in supplying fixed bullet cameras for surveillance projects in India within the last seven years. These projects should have been executed for government entities such as Urban Local Bodies, State Governments, Central Government, PSUs, or Government Special Purpose Vehicles (SPVs).</p> <p>Marks will be allotted based on the OEM's prior aggregate experience demonstrated across multiple projects.</p> <p><i>(All conditions, including the requirement for supporting documents defined in the PQ table, apply to eligible projects. Bidders must submit a self-declaration of marks obtained under this criterion on their letterhead, along with documentary evidence issued by the contracting client clearly specifying compliance)</i></p>	15	<ul style="list-style-type: none"> ▪ 1000-2000 cameras – 5 Marks ▪ 2001-3000 cameras – 10 Marks ▪ 3100 or more cameras– 15 Marks

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Sr. No.	Evaluation Criteria	Sub-Criteria	Max. Marks	Marking Guidelines
4	OEM Capability - 2	<p><u>OEM – Technical Capability</u></p> <p>It is mandatory to submit compliance of MAF (Manufacturer Authorization Form) as per RFP format -All type of IP CCTV Camera, Network Video Recorder, Edge Level Industrial Grade Switch, Network Service Provider, Data Center Service Provider, Switches, Routers, Active IT Security Components (Firewall, IPS, Anti DDOS etc.), Servers, Service Load Balancer, Active Storage, UPS, Critical IT Applications (VMS, EMS, All Analytics Applications, Antivirus, Computer aided dispatch).</p> <p>Not Submitting the MAF may lead to zero marks under these criteria.</p> <p>Bidder is expected to propose technical solutions and products which have Maturity and Global standings / Solutions proposed as per relevant reports from Gartner / IDC (Leader / challenger quadrant). This capability will be evaluated through the documents submitted by the bidder and presentation made to the bid evaluation committee.</p>	5	<p>▪ Submission of MAF from proposed OEMs as per RFP requirement – 5 Marks</p> <p>(Marks will be deducted proportionately for missing MAFs.)</p>
4	On-Field Testing – Proof of Concept	As part of bid evaluation, the PQ qualified bidders need to undertake a demonstration cum seven days and night pilot of Proof of Concept (PoC) & Demonstration of Offered Solution and Products. PoC will be conducted in day and nighttime.	30	<ol style="list-style-type: none"> 1. Automatic Number Plate Recognition (ANPR)-2 Marks 2. Red Light Violation / Stop Line Violation Detection (RLVD)-2 Marks 3. Detection of Mobile Phone Usage While Driving-1 Marks 4. Not Wearing Seat Belt-1 Marks 5. No Helmet Detection-1 Marks 6. Detection of Wrong Side Driving-1 Marks 7. Detection of More Than Two Passengers on Two Wheeler (Triple Riding)-1 Marks

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Sr. No.	Evaluation Criteria	Sub-Criteria	Max. Marks	Marking Guidelines
				8. Blocking Free Left / Stalled Vehicle Detection-1 Marks 9. Uncovered Debris in Trucks & Extended Metallic Elements - 1 Marks 10. Over Height Vehicle / Unauthorized Vehicle Entry-2 Marks 11. Spitting Detection / Littering Detection-1 Marks 12. Detection of Cattle on Road-1 Marks 13. People Count / Overcrowd Detection-2 Marks 14. Vandalism / Property Damage-2 Marks 15. Unattended Object Detection / Object Tracking-2 Marks 16. Encroachment Detection (Time Lapse Comparison)-2 Marks 17. Detection of Water Logging-2 Marks 18. Facial Recognition-4 Marks 19. Debris / Garbage Dumping – 1 Mark All use cases with Video summarization functions.
5	Presentation	The SI shall prepare a presentation on the technical proposal to be submitted for this project. The Bid Evaluation Committee will evaluate the presentation.	10	<ul style="list-style-type: none"> Integration with SASA 1.0 project – 2 Mark Strategy to maintain all the SLAs during Post Implementation Period – 2 marks Project plan with Timelines – 2 Mark Risk Mitigation Plan - 2 mark Quality of Response against queries raised by Bid Evaluation Committee– 2 Mark
Total Marks			100	
Passing Marks			70	

On-Field Testing – Proof of Concept

As part of the bid evaluation process the Bid Evaluation Committee (BEC) appointed by AMC/SCADL shall evaluate the proposed solution of SIs as per the Criteria defined in following table. The participating SIs will have to submit testing report subject to the scrutiny by SCADL / AMC officials. The on-site field test shall be carried out for min seven (7) days in the presence of SCADL / AMC officials to validate the submitted test reports. All charges for such on-site testing shall have to be borne by the bidder. All bidders will have to prove that the entire ecosystems of the proposed solution are complying with the mentioned Technical and Functional specifications as mentioned in the RFP.

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The bidder is expected to install proposed solutions at minimum two (2) locations suggested by AMC/SCADL and at ICCC in Paldi. The exact locations would be communicated to the bidders during the On-Field testing process. The alert, reports to be generated and should reach ICCC and Mobile App. All the parameters mentioned in the On-Field Test criteria, Technical and Functional specifications are to be attained in totality, and any deviation / non-compliance, in the mentioned specifications will lead to the disqualification of the bidder. Safety & security of products will be sole responsibility of bidder; AMC/SCADL will not be responsible for any damage of product during pilot.

Sr. No.	On-Field Testing – Proof of Concept
1.	All the data processing should happen on Realtime / Server-side processing-based controller (either inbuilt with camera or accessory to camera)
2.	Use Cases -: <ol style="list-style-type: none"> i. Debris / Garbage Dumping ii. Encroachment Detection (Time Lapse Comparison) iii. Automatic Number Plate Recognition (ANPR) iv. Vandalism / Property Damage v. Uncovered Debris in Trucks & Extended Metallic Elements vi. Over Height Vehicle / Unauthorized Vehicle Entry vii. Spitting Detection / Littering Detection viii. Detection of Cattle on Road ix. Detection of Wrong Side Driving x. Detection of More Than Two Passengers on Two Wheeler (Triple Riding) xi. Blocking Free Left / Stalled Vehicle Detection xii. People Count / Overcrowd Detection xiii. Unattended Object Detection / Object Tracking xiv. Detection of Water Logging xv. Facial Recognition xvi. Red Light Violation / Stop Line Violation Detection (RLVD) xvii. Detection of Mobile Phone Usage While Driving xviii. Not Wearing Seat Belt xix. No Helmet Detection
3.	IP based cameras with all required accessories and hardware shall be installed by the bidders to demonstrate the above-mentioned use cases.
4.	Internet, connectivity, electricity will be responsibility of the bidder.
5.	Bidder may decide the solution design including hardware and software components to demonstrate the best capability to the Bid Evaluation Committee.
6.	Bidder shall demonstrate all components mentioned in the scope of work of this RFP as per the expected outcome and result envisaged in the RFP.
7.	Existing traffic junctions/POS, bridges, and city entry and exit points will be provided to all participating bidders for the installation of field devices. The results of the pilot projects will be compared against each other as well as with the outcomes from the current operational surveillance infrastructure installed by SCADL.

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6. OEM Selection criteria

OEM Eligibility criteria for various key components are given in the table below. OEM would need to submit the self-certification. If required, the Department may ask for additional supporting documents for compliance to these criteria.

Sr. No.	Component	Criteria for OEM
1	Cameras (ANPR, PTZ, Fixed Cameras)	<ul style="list-style-type: none"> i. Should have a registered office in India for past more than 3 years as on RFP release date. ii. The MAC address of the IP devices must be registered in the name of OEM. iii. Minimum supply and installation base of 70,000 IP-based cameras in India or globally as on bid submission date. iv. The OEM should have its own RMA setup to fulfil its warranty, service, AMC commitments (or via authorized service partner/distributor) in India as on the bid submission date. v. The OEM should have valid ISO 9001 and ISO 27001 certifications. vi. The OEM should not have been debarred/blacklisted as per the order by Honourable Court of India (High Court/Supreme Court/Govt. of India/Smart City SPV or any other govt. department across India). Also, there must not be any criminal case logged by any Government authority in any court in last 7 years as on the bid submission date. vii. OEM should comply with land border guidelines (Undertaking to be submitted). viii. OEM should have valid STQC certificate for the Cameras to be quoted. If valid STQC certificate for any particular camera is not available at the time of bidding, bidder and OEM can quote that camera with STQC application proof submitted in bid and will have to ensure that valid STQC certificate is obtained before start of supply of camera. ix. OEM must have Return Merchandise Authorization (RMA) setup in India (own/authorized partner/distributor/service Centre) as on date of bid submission (Undertaking required). x. OEM must own IPR or registered design for all offered models (Hardware And Firmware/Software). Must also own source code and be the actual manufacturer, not involved in 3rd-party import/branding, especially from border-sharing countries (Undertaking required). xi. All quoted products must be manufactured in OEM's own/registered unit. ODM, white labelling, or third-party assembly is not allowed. OEM must submit factory details, SMT machine info & license (Undertaking required). xii. $\geq 50,000$ cameras supplied as of RFP release date (Undertaking required). xiii. At least one city surveillance project in India ($\geq 5,00$ cameras) in the last 7 years (citation & undertaking required) as on date of bid submission.
2	Industrial Grade Switch	<ul style="list-style-type: none"> i. $\geq 5,000$ industrial grade switches supplied as of RFP release date (Undertaking required).

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Sr. No.	Component	Criteria for OEM
		<p>ii. OEM must have Return Merchandise Authorization (RMA) setup in India (own/authorized partner/distributor/service Centre) as on date of bid submission (Undertaking required).</p> <p>iii. OEM must offer a Product (Along with Model No) which has a valid Mandatory Testing & Certification Of Telecommunication Equipment (MTCTE) issued by the Department of Telecommunications (DOT) under TEC (Telecommunication Engineering Centre). The certification shall be valid as on the date of tender publication (Undertaking required along with valid certification).</p>
3	Servers, Storage, Security Appliances, Network Components (excluding field outdoor switches)	<p>Proposed OEM should feature in Leader's quadrant/challenger's quadrant in either of following:</p> <ul style="list-style-type: none"> - Latest published Gartner Magic Quadrant report for DC and networking components: - Wired LAN Access Infrastructure - DC Networking for Core Switches - Primary Storage - Network Firewalls/UTM/NIPS <p>Note: For server OEMs being qualified in this PQ either through Gartner or IDC criteria as above, it is mandatory to comply requirement as per MeitY policy (F.No.33(1)/2017-IPHW dated 14th September 2017 and amendments).</p>
4	Enterprise Management System	<p>i. Proposed EMS/NMS/Health Monitoring/Helpdesk must align with ITIL framework and be ITIL4 certified for Monitoring & Event Management (Undertaking required).</p> <p>ii. OEM must have Return Merchandise Authorization (RMA) setup in India (own/authorized partner/distributor/service Centre) as on date of bid submission (Undertaking required).</p>
5	Video Management Software	<p>i. ≥ 10,000 camera licenses supplied as on bid submission date.</p> <p>ii. Should be certified to comply with cybersecurity / VAPT / IT Security etc. under the category of IT or ICT Products / Software Solutions from STQC / UL / TTA / NIST/ AICPA / ETSI / CERT-IN or equivalent auditing body in India / Globally (Undertaking required along with valid certification).</p> <p>iii. OEM must have an RMA setup in India (own or authorized partner/distributor/service Centre) as of RFP release date (Undertaking required).</p> <p>iv. OEM must have a registered office in India (Undertaking required).</p> <p>v. Should be able to integrate</p>
6	UPS	<p>i. Minimum installation base of 10KVA capacity or higher capacity of 50 Online UPS as on bid publication date.</p> <p>ii. OEM should have its own RMA setup (or via authorized service partner/distributor) in India as on bid submission date.</p> <p>iii. OEM should have valid ISO 9001 certification.</p>
7	Video Analytics Solution	<p>i. Successful deployment of Video Analytics solution for minimum 3 projects in last 7 years including for any Indian Government client (Urban Local Body, State Government, Central Government, or PSU). Out of 3, at least 1 project</p>

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Sr. No.	Component	Criteria for OEM
		<p>should have integrated >1000 cameras for traffic/civic use cases/Surveillance.</p> <p>ii. OEM should have valid ISO 9001 / ISO 27001 / CMMI Level 3 or higher certifications.</p>
8	Video Summarization	i. Minimum aggregate installation base of 100 cameras for video summarization licenses in last 7 years from RFP release date.
9	Body Worn Camera System	<p>i. Should have a registered office in India as on bid submission date. The OEM should have its own RMA / service support setup to fulfil warranty, service, AMC and O&M commitments, or through authorized service partner / distributor, in India as on the bid submission date. The OEM should have valid ISO 9001 and ISO 27001 certifications. The OEM should not have been debarred / blacklisted by any Government authority / Smart City SPV / Municipal Corporation / PSU in India as on bid submission date. OEM shall provide lifecycle support, firmware / software updates, spare support and technical support for the offered Body Worn Camera System including associated evidence / video management platform for the full contract period of 5 years. Necessary undertaking and supporting documents shall be submitted by the bidder / OEM.</p>

7. Evaluation Process

1. Stage 1: Pre-Qualification Evaluation

- i. AMC/SCADL shall validate the - “RFP Document fee & Bid Security/Earnest Money Deposit (EMD)”.
- ii. AMC/SCADL shall open the bid and check the SI’s eligibility as per the “Pre-Qualification Criteria”. Each of the pre-qualification condition mentioned in above Section is MANDATORY. In case, the SI does not meet any one of the conditions, the SI shall be disqualified.
- iii. Technical and Financial bids for those SIs who don’t pre-qualify will not be opened.

2. Stage 2: Technical Evaluation

- “Technical bid” will be evaluated only for the SIs who succeed in Stage 1.
- AMC/SCADL will review the technical bids of the short-listed SIs to determine whether the technical bids are substantially responsive. Bids that are not substantially responsive are liable to be disqualified at Authority’s discretion.
- SIs will be asked to give demonstration/Pilot (as per section 2.2 of RFP) of the proposed product & solution to AMC/SCADL as per the use cases that shall be shared with the SIs who qualify the Pre-Qualification Stage.
- It is mandatory to participate in pilot & demonstration during bid evaluation, non-compliance may lead to rejection of bid.
- The SIs’ technical solutions proposed in the bid document shall be evaluated as per the requirements specified in the RFP and technical evaluation framework as mentioned in above Section.
- Each Technical Bid will be assigned a technical score out of a maximum of 100 marks. Only the SIs who get an Overall Technical score of 70% or more in the Technical Evaluation Framework as given in above Section will qualify for financial evaluation stage. Failing to secure minimum marks shall lead to technical rejection of the Bid.
- Technical bids of the SIs qualifying in the Pre- Qualification Criteria will be opened and will also be invited for doing the technical presentation.

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3. Stage 3: Final Evaluation

- i. Evaluation criteria proposed to be adopted will be Quality cum Cost Based System (QCBS) where Technical Bid Score will get a weightage of 70% and Commercial Bid Score a weightage of 30%.

The bidder would be technically evaluated out of 100 marks. All the bidders who secure overall minimum of 70% (70 Marks out of 100 across all the components together) will be considered as technically qualified. Technical score of all bidders will be calculated on the basis of the following formula:

$$\text{“Technical Score of bidder (TS) = Technical Marks received by the bidder x 70%”}$$

The Bid having the Lowest Commercial Quote shall be termed as the Lowest Evaluated Bid and will be awarded 100 marks. Commercial score of all the other bidders will be calculated on the basis of the following formula:

$$\text{Commercial score of bidder (CS) = } \frac{\text{Commercial Quote of the lowest bidder x 100 x 30\%}}{\text{Commercial Quote of the bidder}}$$

Commercial Quote of the bidder

Final Score of the bidder (FS): Final Score of each bidding party will be computed by adding the technical score and Commercial Score on the basis of the following formula:

$$\text{“Total Score (ST) = TS + CS”}$$

The bidder whose bid has secured the “Highest Total Score (ST)” out of 100 as per above evaluation will be considered as best evaluated Bid.

In case of a tie where two or more bidders achieve the same highest overall score, the bidder with the higher technical score will be invited first for negotiations by the AMC.

AMC is not bound to accept the best-evaluated bid or any bid and reserves the right to accept any bid, wholly or in part.

Example demonstrating the calculation of Technical Score and Commercial Scores is provided below:

Bidder	Marks Received by bidder	Calculations	Technical Score of bidder (TS)
Bidder 1	88	88*70%	61.6
Bidder 2	90	90*70%	63
Bidder 3	80	80*70%	56
Bidder 4	95	95*70%	66.5

Bidder	Commercial Quote Provided by Bidder after calculating Capex and Opex (As Above)	Calculation of commercial score	Commercial Score of Bidder (CS)
Bidder 1	110	(110/110)*100*30%	30
Bidder 2	140	(110/140)*100*30%	23.57
Bidder 3	160	(110/160)*100*30%	20.63
Bidder 4	130	(110/130)*100*30%	25.38

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Total Score for each bidder

Bidder	Technical Score (TS)	Commercial Score (CS)	Total Score
Bidder 1	61.6	30.0	91.6
Bidder 2	63.0	23.57	86.57
Bidder 3	56.0	20.63	76.63
Bidder 4	66.5	25.38	91.88

The bidder with the highest final score shall be treated as the best evaluated Bid. In the above example, Bidder 4 will be treated as best evaluated Bid.

- i. AMC is not bound to accept the best-evaluated bid or any bid and reserves the right to accept
- ii. any bid, wholly or in part.
- iii. The bidder must be careful while filling the price bid at nProcure the quoted CAPEX cost shall not be more than 60% of total project cost. Non-compliance to this clause may lead to disqualification.
- iv. The commercial evaluation will be done exclusively of taxes. However, the bidder is expected to provide the tax components in commercials. The payment of taxes to the selected bidder will be done on actual/prevaling rates. The commercial bid evaluation will be done exclusively of taxes only. If any duties are applicable to the product the same will be considered for commercial evaluation
- v. All the technically qualified SIs will be notified to participate in Financial Bid opening process.
- vi. The Financial bids for the technically qualified SIs shall be opened on the notified date and time. They will be reviewed to determine whether the financial bids are substantially responsive or not. Bids that are not substantially responsive are liable to be disqualified at Authority's discretion.
- vii. Financial Bids that are not as per the format provided in the RFP shall be liable for rejection.
- viii. If successful bidder refuses to sign the agreement, undertake the work and fails to submit the Performance Bank Guarantee (PBG) and align the agreement as per the timelines and requirement defined in this RFP, AMC/SCADL may consider to invite second highest score obtained bidder for negotiations. In this case, L2 SI will be asked to match the prices of L1 SI.
- ix. Further, AMC shall be entitled to deduct tax at source, or any other taxes/ cess as may be applicable.
- x. The Commercial Bids of only the technically qualified bidders will be opened for evaluation.
- xi. The bidder achieving the highest score (ST) will be invited for negotiations to award the contract.
- xii. Arithmetical errors: If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If the Bidder does not accept the correction of the errors, its bid will be rejected. If there is a discrepancy between words and figures, the amount in words will prevail

8. Camera and Pole Quantity Estimation Methodology

Bidders shall base their financial proposals on **aggregate BoQ quantities** as per the following estimation methodology. Final quantities shall be as per the Commercial Bid Format (Section 9); payment shall be made based on actual SITC quantities as per unit rates discovered.

8.1 Camera Quantity Estimation Matrix

#	Location Category	No. of Locations	Camera Configuration per Location	PTZ	Fixed	ANPR	Total
1	AMC POIs	1,500	1 × PTZ	1,500	–	–	1,500
2	Sabarmati Riverfront	250	2 × Fixed	–	500	–	500
3	City Entry / Exit Points	88	2 × ANPR + 1 × PTZ	88	–	176	264
4	Bridges	17	4 × Fixed + 2 × PTZ	34	68	–	102
5	AMTS Bus Shelters	800	2 × Fixed	–	1,600	–	1,600
	GRAND TOTAL	2,655		1,622	2,168	176	3,966

8.2 Camera Type-wise BoQ Summary

Camera Type	Quantity
PTZ Cameras	1,622
Fixed Cameras (Standard / Bridge / AMTS)	2,168
Fixed ANPR Cameras	176
TOTAL CAMERAS	3,966

8.3 Pole / Gantry Estimation Methodology

#	Location Category	Pole / Gantry Type	Estimation Basis	Indicative Qty
1	AMC POIs	6–9 m GI Octagonal Pole	1 per location (existing pole reuse wherever available)	1,500
2	Sabarmati Riverfront	6 m Decorative / GI Pole	1 per location (2 cameras on single pole)	250
3	City Entry / Exit Points	Cantilever / Gantry	Gantry for 3+ lane roads; Cantilever for 1–2 lane	88 (mix)
4	Bridges	Gantry / Side-mount	1 gantry or 2 side-mounts per bridge	17 gantries + 34 side-mounts
5	AMTS Bus Shelters	Shelter-mounted (no separate pole)	Mounted on existing shelter structure	0 new poles
6	Traffic Junction (Price Discovery)	Gantry / Cantilever	Per approach	Site-specific
	TOTAL (Indicative)			≈ 1,855 Poles + 17 Gantries

8.4 Estimation Principles

- Bidders shall base financial proposals on aggregate BoQ quantities.
- Existing poles / gantries (provided by SCADL) shall be reused wherever structurally sound.
- Junction Boxes shall be provided at each pole / gantry / shelter for switches, PoE, power supply, fibre termination.
- Earthing, conduiting, cable trays provided per location based on site condition.
- VMS Licenses = total camera count = **3,966**.
- Analytics Licenses = (Cameras × Applicable Use Cases) as per Analytics-to-Camera Mapping Matrix.

9. Commercial Bid Format

The Bidder shall include, within the Technical Bid, a dedicated section listing any additional items, sub-components or accessories that are required to deliver the complete solution as defined in the RFP and as revised through this Corrigendum. Such additional items shall be included only for the purpose of disclosure and technical completeness. The Bidder shall ensure that the financial cost of all such items is fully incorporated in the Financial Bid. No additional payment shall be made by SCADL for any item, component or service that is required for successful completion of the solution but not explicitly priced by the Bidder in the Financial Bid.

The Bidder shall propose an appropriate and complete solution that meets the functional outcomes and performance requirements envisaged in the RFP. If any component, integration, accessory, licence, hardware or software item is inadvertently omitted by the Bidder in the Technical Bid but is required for the Bidder's proposed solution to function correctly during the entire project duration, then the Bidder shall be responsible for providing such item without any extra cost to SCADL. Under no circumstances shall SCADL be liable to make payments beyond the cost quoted in the Financial Bid.

The Bill of Quantities has been updated to match the revised scope in Corrigendum-1. The BOQ also reflects the updated analytics, integration needs and Realtime/Server side -based design approach defined in the corrigendum. This revised BOQ replaces the earlier version and should be treated as design-based, with final allocation to be confirmed after joint site surveys.

Quantities shown in the tender are approximate and no claim shall be entertained for quantities of work executed being either more or less than those entered in the tender of estimate.

It is **mandatory** that the bidder maintains a **minimum price ratio of 70:30 between CAPEX and OPEX**, respectively, throughout the quoted project cost. Specifically:

- Failure to maintain this CAPEX:OPEX ratio will be considered a material deviation and **may lead to rejection of the entire proposal**.
- The bidder must clearly specify the CAPEX and OPEX components separately in the financial bid, demonstrating compliance with this ratio.
- Any variations or modifications after bid submission affecting this ratio must be approved by AMC in writing.

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9.1. Capital Expenditure (CAPEX)

Project Name: Selection of Implementation Agency for SITC, Operation, and Maintenance of Surveillance System in Ahmedabad City Safe and Secure Ahmedabad (SASA II) (RFP No: SCADL_RFP_25-26_04)				
PART A - CAPEX TABLE				
Sr. No.	Schedule	Item Name	Qty	Unit
SCHEDULE A - EDGE DEVICES				
1	A1	PTZ Camera Outdoor PTZ 4MP	1,622	Nos
2	A1	Fixed Camera (incl. ANPR capable) 2MP	1,600	Nos
3	A1	Fixed Camera (incl. ANPR capable) 4MP	744	Nos
4	A2	Camera Pole 6m GI Hot-Dip GI MS 1.5-2.5m Cantilever IS:2629/IS:2713	1,500	Nos
5	A2	Camera Pole 8m GI Hot-Dip GI MS 2.5-3.5m Cantilever	250	Nos
6	A2	Camera Pole 10m GI Hot-Dip GI MS 3.5m+ Heavy-Duty Multi-Arm	227	Nos
7	A2	Gantry Structure Multi-Lane Hot-Dip GI 3-6m Span Multi-Camera Mount	88	Nos
8	A2	AMTS Shelter Mounting Bracket -Camera Mounting / Accessories Wall/roof GI bracket for 2 fixed cameras	800	Nos
9	A2	RCC Foundation Excavation + RCC Concreting + Anchor Bolts	1,855	Nos
10	A3	Outdoor Field Cabinet CRCA 1.2mm IP66 Rain Canopy + Tamper Sensor, DIN Rail + PDU + Bus Bar + Cable Glands, IP66 CRCA cabinet, (AMC Plot + switch locations)	2,655	Nos
11	A4	Industrial L2 PoE Switch 8 PoE + 2 SFP, 240W, Managed IP40 DIN Rail SNMP v3	1,155	Nos
12	A4	PoE Injector 30W/60W Outdoor Rated	1,500	Nos
13	A4	SFP Module 1G SM 20km 1000Base-LX LC	2,344	Nos
14	A4	Media Converter GE to SM 10/100/1000 SC/LC 20km Industrial	1500	Nos
15	A4	LIU (Line Interface Unit) 6/12/24F Splice Tray	400	Nos
16	A4	Patch Cords LC-LC SM Duplex 3m	2,310	Nos
17	A4	Patch Cords Cat6A Shielded Assorted	5,620	Nos
18	A4	OFC + HDPE + Splice Closures + Drop Cable + Accessories (Lot) Armoured OFC 12F/24F SM, HDPE 32/40mm, Splice Closures, 2F/4F drop (2,655 drops), pits, labels	1	Lot
19	A5	SPD Type-2 (Switch-Level) Surge Protection at switch site	1,155	Nos
20	A5	SPD Type-3 (Camera-Level) Surge Protection at camera/pole	3,966	Nos
21	A5	Earthing Kit ≤2 Ohm Independent Pit (per pole)	3,966	Nos
22	A6	Signage Type A/B (8"/12") Aluminium Retro-Reflective Bilingual En+Guj IRC 67:2001	2,300	Nos
23	A6	Signage Type C/D (12"-24") Larger Format Prominent	355	Nos

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24	A7	Supply, Installation, Testing & Commissioning (civil work, reinstatement, trenching, ducting, fiber, power cable - per location) RCC Foundation (Excavation, RCC Concreting, Anchor Bolts) - remaining, Civil work, reinstatement, labour, trenching, ducting, fiber pulling, termination, IP config, PoE testing, commissioning	2,655	Nos	
25	A8	Memory Card (Minimum 256 GB Industrial MicroSD)	3,966	Nos	
26	A9	Supply, installation, testing, commissioning and integration of Body Worn Camera System including all devices, accessories, mounts, chargers, docking / charging / synchronization arrangement, evidence / video management platform, Data centre storage, Memory card , SIM cards/Wireless connectivity Charging Dock with Wired /Wireless connectivity for syncing with data centre, data plans, all required licenses, training, warranty, replacements and complete in all respects as per scope, specifications and directions of SCADL / AMC	100	Nos	
SUB-TOTAL SCHEDULE A					
SCHEDULE B - PRIMARY DATA CENTRE					
27	B1	Application Server 2× CPU 16-core 128GB 2×480GB SSD Dual PSU 2U	2	Nos	
28	B1	Database Server 2× CPU 16-core 256GB 2×480GB SSD FC HBA Dual PSU	2	Nos	
29	B1	VMS Recording Server 2× CPU 128GB 25G NIC 2×480GB SSD FC HBA	8	Nos	
30	B1	GPU Analytics Server 2× CPU 256-512GB 4× GPU (NVIDIA A30+) 2U	10	Nos	
31	B1	EMS/NMS Server 2× CPU 128GB 2×480GB SSD	1	Nos	
32	B1	Antivirus / EDR Server 1× CPU 64GB 2×480GB SSD 1U	1	Nos	
33	B1	Backup Server 2× CPU 128GB 2×480GB SSD + 4×4TB HDD	1	Nos	
34	B1	AD / Identity Server 1-2× CPU 64GB 2×480GB SSD (HA)	2	Nos	
35	B2	Primary Storage 10 PB RAW, RAID-6, Enterprise Dual Controller NL-SAS, 5-yr warranty, 24×7, Five 9's	1	System	
36	B2	Hot Tier Storage 40-60 TB NVMe RAID-10, IOPS-optimized	1	System	
37	B2	Backup Storage 200-300 TB disk-based backup with dedup	1	System	
38	B3	Core Router HA Enterprise 10G BGP/OSPF IPsec VPN	1	Lot	
39	B3	Core Switch L3 HA 48×GE + 10G 2Tbps+ fabric	1	Lot	
40	B3	Aggregation Switch L3 48×GE + 10G	4	Nos	
41	B3	ToR/Access Switch L2 24/48×GE + 10G	6	Nos	
42	B4	Next-Gen Firewall (NGFW) HA 20 Gbps FW, HA, IPS + App Control + SSL	2	Nos	
43	B4	Load Balancer HA 10 Gbps L4-L7 HA ADC	2	Nos	
44	B4	NDR Sensors 20 Gbps per sensor	3	Nos	
45	B4	NDR Management Console Central AI/ML threat detection	1	Nos	
46	B4	SIEM 1,000-1,500 Sources + MITRE ATT&CK + HA, 5-yr license	1	Lot	
47	B4	Anti-DDoS Inline + Out-of-Path	1	Lot	

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48	B4	WAF 5 Gbps OWASP	1	Lot	
49	B4	EDR / XDR Endpoint Detection & Response + SIEM/NDR integration	1	Lot	
50	B4	Other Cybersecurity SSL VPN + NAC + PKI	1	Lot	
51	B5	42U Server Racks 1,000mm depth + Dual PDU + Cable Management	10	Nos	
52	B5	Precision AC (PAC) 20-25 TR, N+1 Downflow	3	Nos	
53	B5	UPS System 100 kVA (N+1), 30-45 min VRLA	3	Nos	
54	B5	DG Set 125 kVA ATS + CPCB-II + Acoustic	1	Nos	
55	B5	Fire Suppression VESDA + Novec 1230 clean agent	1	Lot	
56	B5	Access Control + DC Monitoring Biometric + Sensors + BMS logs	1	Lot	
57	B5	DC Build-Out Package Structured Cabling + Raised Floor + Civil	1	Lot	
SUB-TOTAL SCHEDULE B					
SCHEDULE C - SOFTWARE LICENSES including Use cases					
58	C1	VMS License Perpetual	3,966	Nos	
59	C2	VMS Mobile App License	100	Nos	
60	C3	Video Wall Management Software	1	Lot	
61	C4	EMS / NMS Suite + Helpdesk + SLA Monitoring	1	Lot	
62	C5	ANPR	2,028	Nos	
63	C6	Encroachment Detection	1,500	Nos	
64	C7	Debris / Garbage Dumping	1,750	Nos	
65	C8	Cattle Detection on Road	528	Nos	
66	C9	Vandalism / Property Damage	1,767	Nos	
67	C10	Over-Height / Unauthorized Vehicle	105	Nos	
68	C11	Wrong-Side Driving	105	Nos	
69	C12	People Count / Overcrowd	317	Nos	
70	C13	Unattended Object Detection	317	Nos	
71	C14	Spitting / Littering	300	Nos	
72	C15	Red Light Violation Detection (RLVD)	10	Nos	
73	C16	Mobile Phone Usage While Driving	10	Nos	
74	C17	No Seatbelt Detection	10	Nos	
75	C18	No Helmet Detection	10	Nos	
76	C19	Wrong-Side Driving Detection	10	Nos	
77	C20	Triple Riding Detection	10	Nos	
78	C21	Blocking Free Left / Stalled Vehicle Detection	10	Nos	
79	C22	Water Logging Detection	10	Nos	
80	C23	Facial Recognition System	10	Nos	
81	C24	Parking Occupancy Detection	100	Nos	
82	C25	Speed Detection Analytics License	10	Nos	
83	C26	Database License	2	Lot	
84	C27	Unified Dashboard / Analytics Dashboard Software License	1	Lot	
85	C28	Hypervisor / Virtualization Platform License	1	Lot	
86	C29	Operating System License	1	Lot	
SUB-TOTAL SCHEDULE C					

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SCHEDULE D - ICCC & CONTROL ROOM				
87	D1	Video Wall Processor Multi-feed video decoding controller	1	Nos
88	D2	Display Units / Video Wall 55"/65" LED panels ≥800 nits, 5000:1 contrast, 100,000+ hrs, bezel-less	1	Set
89	D3	ICCC Networking VLANs, routing, core & access switches, cabling	1	Lot
90	D4	Operator Workstations i7 + dual monitors + keyboard + mouse + UPS	8	Nos
91	D5	ICCC Furniture & Console Ergonomic consoles + seating + lighting	1	Lot
SUB-TOTAL SCHEDULE D				
SCHEDULE E - PROJECT MANAGEMENT & TRAINING				
92	E1	Documentation, Sop, Training & Knowledge Transfer	1	Lump sum
SUB-TOTAL SCHEDULE E				

9.2. Operational Expenditure

PART B - OPEX TABLE(Annually)				
Sr. No.	Schedule	Item Name	Qty	Unit
SCHEDULE F - CONNECTIVITY (5 Years)				
1	F1	Connectivity: P2P/MPLS/ISP/Wireless	2655	
SUB-TOTAL SCHEDULE F				
SCHEDULE G - VIDEO ANALYTICS (Annually)				
2	G1	ANPR	2,028	Nos
3	G2	Encroachment Detection	1,500	Nos
4	G3	Debris / Garbage Dumping	1,750	Nos
5	G4	Cattle Detection on Road	528	Nos
6	G5	Vandalism / Property Damage	1,767	Nos
7	G6	Over-Height / Unauthorized Vehicle	105	Nos
8	G7	Wrong-Side Driving	105	Nos
9	G8	People Count / Overcrowd	317	Nos
10	G9	Unattended Object Detection	317	Nos
11	G10	Spitting / Littering	300	Nos
12	G11	Red Light Violation Detection (RLVD)	10	Nos
13	G12	Mobile Phone Usage While Driving	10	Nos
14	G13	No Seatbelt Detection	10	Nos
15	G14	No Helmet Detection	10	Nos
16	G15	Wrong-Side Driving Detection	10	Nos
17	G16	Triple Riding Detection	10	Nos
18	G17	Blocking Free Left / Stalled Vehicle Detection	10	Nos
19	G18	Water Logging Detection	10	Nos
20	G19	Facial Recognition System	10	Nos

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21	G20	Parking Occupancy Detection	100	Nos	
22	G21	Speed Detection Analytics License	10	Nos	
SUB-TOTAL SCHEDULE G					
SCHEDULE H- DEVICES O&M					
23	H1	Operations & Maintenance (O&M) of all the devices, hardware, including comprehensive preventive and corrective maintenance, repairs, replacements, and all associated costs across 2,655 locations.	1		
SUB-TOTAL SCHEDULE H					
SCHEDULE I - DC + ICCO O&M					
24	I1	Operations & Maintenance (O&M) of DC IT and ICCO systems, including comprehensive preventive and corrective maintenance, repairs, replacements, and all associated costs.	1		
SUB-TOTAL SCHEDULE I					
SCHEDULE J - NDR O&M (5 Years)					
25	J1	End-to-end NDR solution comprising yearly AI/ML-driven software subscription, 24x7 vendor-managed SOC, SASA-I/II compliance coverage, and comprehensive preventive and corrective maintenance, inclusive of all operational responsibilities.	1		
SUB-TOTAL SCHEDULE J					
SCHEDULE K - MANPOWER (5 Years)					
26	K1	DC/Network Admin	1		
27	K2	System Admin	1		
28	K3	NOC Operator + Helpdesk	2		
29	K4	SOC Analyst L1	1		
30	K5	Field Supervisor	2		
31	K6	Project Manager (PMP/PRINCE2)	1		
SUB-TOTAL SCHEDULE K					

Note:

- Note: Any software, firmware, embedded application, OEM utility, driver, operating module, controller software, management component, or mandatory basic license that is supplied by default with the hardware or is required for the hardware to function as intended under the project shall be deemed included in the quoted cost of that hardware item. No additional payment shall be made for such components unless specifically identified as a separate payable BOQ line item.
- Detailed break-up / calculation of the O&M cost for the above line item(s), including component-wise scope, manpower if any, software / license support, preventive maintenance, corrective maintenance, repairs, replacements, Data storage /cloud / connectivity / recurring services

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wherever applicable, shall be submitted separately by the successful bidder at the time of signing of the Work Order / Agreement. However, the quoted amount in the Financial Bid shall be deemed to include the complete O&M scope as per tender conditions and should not vary from financial bid, and no additional payment shall be made by SCADL / AMC on this account.

- As the project scope has significantly changed from the initial RFP, bidders may propose their system architecture and project design accordingly. In this regard, an extension of up to 30% for computing and GPU-related line items may be granted, subject to approval by the competent authority.

9.3. Grand Total

GRAND TOTAL - PROJECT SUMMARY			
Item	Component	Total (₹) INR Without GST	Total (₹) INR with GST
CA	CAPEX (A+B+C+D+E)		
OP	OPEX (1 Year)(F+G+H+I+J+K)		
Final	OPEX (5 Years)(OP*5)		
GRAND TOTAL (A+C)			

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9.4. Price Discovery Items

PRICE DISCOVERY ITEMS (NOT in L1 Evaluation)

P1: Indicative quantities for unit rate discovery only. NOT included in L1 evaluation.

Junction Components

Sr. No.	Item	Description	Qty.	Unit	Unit Rate (in Rs. without GST)	Total Amount (in Rs. without GST)	Total Amount (in Rs. with GST)
1	RLVD Lane Camera	4MP ANPR-capable lane enforcement camera with minimum 50/60 fps, suitable for RLVD and signal-synchronized traffic enforcement applications, IP65 or better	4	Nos			
2	RLVD Evidence Camera	4MP wide-angle IP camera for evidence capture and contextual video recording at junctions, IP65 or better	4	Nos			
3	Speed Detection Camera	4MP traffic enforcement camera with minimum 50/60 fps, suitable for speed detection applications, IP65 or better	4	Nos			
4	RLVD Gantry Complete	Complete gantry setup including gantry structure, civil foundation, junction box, power arrangement and allied accessories required for RLVD deployment	1	Nos			
5	RLVD Edge Equipment Kit	Complete field equipment kit per junction including switch, UPS, media converter, LIU and allied accessories	1	Nos			
6	External IR Illuminator	Outdoor IR illuminator with minimum 100 m range, IP65 or better	16	Nos			
7	Fixed Camera	Fixed IP camera for surveillance, monitoring and analytics use cases at junctions, complete with required accessories	4	Nos			
8	Bullet Camera	Bullet IP camera for lane, directional and approach monitoring use cases, complete with required accessories	4	Nos			
9	ANPR Camera	ANPR-capable IP camera for vehicle number plate capture and traffic enforcement use	4	Nos			

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Sr. No.	Item	Description	Qty.	Unit	Unit Rate (in Rs. without GST)	Total Amount (in Rs. without GST)	Total Amount (in Rs. with GST)
		cases, complete with required accessories					
10	PTZ Camera	PTZ camera for overview, situational monitoring, event tracking and enforcement support, complete with required accessories	4	Nos			
11	Camera Mounting Hardware	Mounting brackets, clamps, arms, fasteners and allied accessories required for installation of junction cameras	1	Lot			
12	Pole / Gantry / Structural Mounting	Pole / gantry / structural mounting support and allied hardware required for junction deployment	1	Lot			
13	Outdoor Junction Box	Weatherproof outdoor junction box with DIN rail, glands, connectors and required installation accessories	4	Nos			
14	Industrial PoE / Field Switch	Managed industrial / field-grade PoE switch for camera connectivity and junction field deployment	4	Nos			
15	UPS / Power Backup	UPS with required battery backup for field cameras and associated junction equipment	1	Nos			
16	Surge Protection	Surge protection arrangement for field equipment, cameras and power / data points	1	Lot			
17	Earthing Kit	Independent earthing / grounding arrangement for complete junction setup	1	Lot			
18	Cabling and Accessories	Power cable, ethernet cable, OFC accessories, connectors, glands, patch cords and allied installation materials required for complete junction setup	1	Lot			
19	Edge Processing Hardware	Field-deployable compute / analytics processing hardware for junction-based processing and evidence packaging, wherever required	4	Nos			
20	SITC of Complete Junction Setup	Supply, Installation, Testing and Commissioning of complete junction setup including all required cameras, cabling, switches, routers, OFC and allied accessories, media converters, LIU, junction boxes,	1	Lot			

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Sr. No.	Item	Description	Qty.	Unit	Unit Rate (in Rs. without GST)	Total Amount (in Rs. without GST)	Total Amount (in Rs. with GST)
		UPS, surge protection, earthing, mounting hardware, brackets, connectors, patch cords, power accessories, installation materials and all other allied components / works required for complete and successful implementation of one junction, as per approved design and directions of SCADL / AMC					

Total Junction Component

NOT included in L1

TABLE P2: CLOUD-BASED DISASTER RECOVERY (DR)

Cloud DR Architecture

Sr. No.	Item	Description	Qty.	Unit	Rate/ Month (₹)	Annual (₹)	5-Yr Total (₹)
21	Platform	NIC Cloud / NICSI Empaneled / GSDC / AWS GovCloud India / Azure Govt India		Lot			
22	Mode	Active-Passive Non-Core and Active-Active VMS EMS		Lot			
23	RPO	15 min or less Core / 1 hr. or less non-core		Lot			
24	RTO	30 min or less Core / 4 hrs. or less non-core		Lot			
25	Data Sovereignty	All data within India		Lot			
26	Compliance	MeitY Cloud Guidelines ISO 27001/27017/27018 SOC 2 Type II		Lot			
Total Cloud DR Architecture							

Cloud DR BoQ (5 Years)

Sr. No.	Item	Description	Qty.	Unit	Rate/ Month (₹)	Annual (₹)	5-Yr Total (₹)
COMPUTE							

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27	Application VMs	16 vCPU 64GB 200GB SSD	2	VM/M o			
28	Database VMs	16 vCPU 128GB 500GB SSD	2	VM/M o			
29	Recording VMs	16 vCPU 64GB 200GB SSD	4	VM/M o			
30	GPU Analytics VMs	16 vCPU 128GB 2xNVIDIA T4	5	VM/M o			
31	Utility VMs	8 vCPU 32GB 200GB SSD	2	VM/M o			
Sub-Total Compute		15 VMs					
STORAGE							
32	Object Storage DR Video	S3-compatible	2,20 o	TB/Mo			
33	Block Storage SSD	NVMe IOPS- optimized	35	TB/Mo			
Sub-Total Storage		2.2 PB					
NETWORK							
34	VPN Gateway S2S	Encrypted Redundant	2	Nos/M o			
35	Data Transfer Egress	Outbound peak	50	TB/Mo			
36	VPC/Internal Networking	VPC subnets NACLs	1	Lot/M o			
Sub-Total Network							
SECURITY							
37	Cloud Security Stack	NGFW+WAF+DDoS S+SIEM DR	1	Lot/M o			
Sub-Total Security							
MANAGEMENT							
38	Cloud Monitoring and Orchestration	Alerts automated failover	1	Lot/M o			
39	DR Drill and Testing	Bi-annual failover drill	2 per yr	Nos/Yr			
40	Cloud DR Setup One- Time	Architecture deployment integration	1	Lot			
41	Data Replication License 5-yr	Continuous DC-to- Cloud replication	1	Lot/Yr			
SCHEDULE F: VIDEO WALL (CAPEX)							
42	Video Wall Solution- in 9 X 3 arrangement (with video Controller)	9x3 arrangement, 5000 nits' brightness, 5000:1 or better contrast ration, 100000+ hours life, bezel less, LED Type	1	Nos			
Sub-Total Management							
TOTAL CLOUD DR 5 YEARS							

Note:

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- The following items are included for price discovery / unit rate discovery only and are not included in L1 evaluation, unless specifically incorporated elsewhere in the revised BOQ. The quantities indicated are tentative and indicative only. SCADL / AMC reserves the right to procure any or all these items, fully or partially, at the discovered rates during the contract period, based on joint survey, actual requirement, approved design and operational need. All quoted rates shall include complete supply, installation, integration, commissioning, applicable licenses, accessories, warranty, support and other associated obligations as per tender conditions.
- NIPS will serve as the threat-prevention appliance in place of UTM as referred in the RFP.
- Ensures 99.5% And system uptime through continuous monitoring and preventive maintenance.
- Reduces unexpected failures of outdoor devices operating in heat, dust, rain, and high-humidity environments.
- Provides fixed annual budgeting and eliminates unpredictable emergency repair costs.
- Prevents downtime penalties and avoids delays due to emergency procurement cycles.
- Delivers mandatory CERT-IN patching, quarterly updates, and annual VAPT.
- Keeps all firmware and OS versions aligned with OEM security advisories.
- Maintains OEM warranty validity by performing required servicing and firmware updates.
- Prevents warranty voidance due to missing logs, skipped maintenance, or outdated firmware.
- Maintains analytics accuracy by countering AI model drift caused by lighting, seasonal changes, construction, and traffic pattern evolution.
- Keeps ANPR, RLVD, helmet detection, mobile-use detection, FRS, and other models tuned with periodic recalibration.
- Continuously monitors MPLS links for packet loss, jitter, and latency to sustain video and analytics workloads.
- Ensures DR and auto-failover readiness through scheduled failover drills.
- Maintains interoperability across multi-vendor components-cameras, PoE switches, edge devices, VMS, analytics, and DC hardware.
- Prevents system instability caused by uncoordinated firmware updates across vendors.
- Offers fixed SLA commitments with rapid response times (2–4 hours for critical issues).
- Provides a single accountable ownership layer, avoiding blame-shifting among vendors.
- Ensures smooth functioning of mission-critical enforcement systems during festivals, emergencies, VIP movement, and city events.
- Keeps enforcement datasets, logs, and evidence streams consistent and audit-ready for legal use.
- Supports long-term service continuity with documented maintenance history and performance reports.

The quantities and line items indicated in this Bill of Quantities (BOQ) are based on preliminary assessments and may be modified after the detailed feasibility study and ground survey. Post-survey, the Successful SI/ Bidder shall issue the updated BOQ and shall be required to comply with and execute the works as per the revised BOQ without deviation. Any additional items, modifications, or future requirements arising from the ground survey or during / after the implementation period shall be supplied, installed, tested, and commissioned by the System Integrator (SI) at the same unit rates quoted in this BOQ, without any escalation.

The bandwidth capacities specified in Table B2 are indicative and based on preliminary network design assumptions. During the detailed ground survey and feasibility assessment, the actual bandwidth requirements per site may be optimized, consolidated, or redistributed by the SCADL to ensure efficient utilization of network resources.

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The System Integrator (SI) shall be required to provision, operate, and maintain the optimized bandwidth capacities as finalized post-survey, without deviation. Any upgraded, additional, or alternate bandwidth requirements arising from network optimization, traffic load analysis, redundancy planning, or SLA commitments shall be provisioned by the SI at the same unit rates quoted in this BOQ, with no escalation permitted.

The quoted rate for all OPEX line items for one year shall remain applicable for all years during the entire contract period. If both parties agree to extend the contract, the same rate will apply for the 6th and 7th years in the O&M phase.

Note for Financial Bid:

1. All line items must comply with technical specifications and Scope of Work, including all applicable licenses, active/passive cabling, accessories, installation, commissioning, configuration, AMC, warranty, and back-to-back OEM support for the entire contract duration.
2. Quantities in the tables are indicative and used for commercial evaluation. SCADL will issue orders based on actual requirements at the time of placing the order.
3. Actual bandwidth quantities may vary based on field survey. SCADL will issue a work order to the TSP after the bidder completes the survey and confirms bandwidth requirements.
4. Quantities mentioned are based on current assessment. At implementation, actual quantities will be considered. Payment will be made based on executed quantities at quoted rates.
5. SCADL reserve the right to delete any product/equipment before final implementation and remove any BOQ line item.
6. Bandwidth rates shall be reduced proportionately if TRAI revises prevailing rates during the contract period.
7. Bidder must upload a detailed priced BOQ online. No field should be left blank.
8. All out-of-pocket expenses (boarding, lodging, travel, etc.) must be included in the quoted price. No separate payment will be made.
9. Refer to the quantity variation clause in Section 13.25.
10. Rates for dismantling and reinstallation shall remain valid for the entire contract duration. Quantities are indicative; bidder must perform additional dismantling/reinstallation at the same quoted rate. Cost must include all allied activities; no extra payment will be made.
11. Provide breakup of all taxes, duties, and levies wherever required.
12. SCADL reserves the right to request proof of payment for any taxes, duties, or levies indicated.
13. If GST rates change during the project, adjustments will apply as per government norms with supporting documents.
14. Quoted rates may be considered for additional procurement/payment in future.
15. Lump Sum items shall have quantity as one (1) in the BOQ; bidder must quote as a complete package/solution.
16. No additional cost beyond quoted BOQ rates will be paid. Bidder must include all associated costs in their commercial bid. No claims for extra cost will be entertained.

10. Revised Project Timelines and Payment Terms

All references to timelines, milestones, payments and penalties in this section shall be read in conjunction with the revised Scope of Work, Commercial Bid Format and SLA framework defined in this Corrigendum. In the event of any conflict between the original RFP and this Corrigendum, the provisions of this Corrigendum shall prevail.

Key Definitions

Corrigendum 2 for the RFP for Selection of Implementation Agency for SITC, Operation, and Maintenance of Surveillance System in Ahmedabad City SASA II

Term	Definition
To	Date of issuance of LOI / LOA / Selection Letter by SCADL/AMC
T1	Date of Final Go-Live certification issued by SCADL upon successful completion of UAT across all locations and systems
CAPEX Phase	To to T1 - Supply, Installation, Testing & Commissioning (SITC) + Defect Liability Period (DLP)
OPEX Phase	T1 onwards - Operations & Maintenance for 5 years (20 quarters)
Contract Duration	5 years 9 months (9-month implementation + 60-month O&M)

Sr No	Deliverables	Timeline	Payment	Penalty
1	Contract Signing & Submission of PBG To – Date of Issuance of LOI/LOA/Letter of Selection	T-o + 15 Days	No Payment	INR 1,000 for every day of delay
2	Site Survey, Project Inception, As-Is and Design Phase Conduct site surveys to assess the installation locations and confirm the installation, power, network connectivity options. Prepare the installation sites, including securing necessary permits and permissions. Project Inception Phase: <ul style="list-style-type: none"> - Project Kick-Off and Team Mobilization - Detailed Project Plan - Technical Architecture Inception Report - Project Plan - Technical Architecture Document AS-IS / Requirement Documentation Phase: <ul style="list-style-type: none"> - Detailed Site Survey Report with Coverage Study - Detailed Design of Poles with Cantilever/Gantry (including civil works) - Identification of Video Analytics per Camera - System Requirements Document - Functional Requirements Document Design Phase: <ul style="list-style-type: none"> - Detailed Network Feasibility Report with Coverage Study - Detailed Trenching Plan for Network & Electricity - Proposed Network Architecture Integrating Existing and New Systems - Detailed Data Centre Layout - Data Centre Architecture (including reusability) 	T-o + 45 Days	10% of CAPEX	INR 5,000 for every day of delay

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Sr No	Deliverables	Timeline	Payment	Penalty
	<ul style="list-style-type: none"> - Data Centre Scalability Plan - Technical Design Documents <p><i>Detailed site survey, coverage study, design of poles with cantilever/gantry (incl. civil works), Analytics-to-Camera Mapping Matrix, Network Feasibility Report, Trenching Plan, DC Architecture, Scalability Plan, SRS/FRS, Technical Design Documents</i></p>			
3	<p>Successful Supply & Installation of field level devices as per RFP BoQ/WO with required hardware at project site, testing and software integration</p> <ul style="list-style-type: none"> • Detailed application integration architecture • Detailed list of customizations required • System design document • Test cases document for UAT • Installation of complete Application Portfolio • Delivery Challan • Installation reports • Test cases for UAT • Warranty & AMC documents for active IT components & applications • Integration and commissioning of the components mentioned above with the Surveillance CCC • Operationalization of the entire system with use cases <p><i>Pro-rata and part payments will be allowed for individual locations or in lots, since the locations are spread across AMC POIs, riverfront, bridges, and city entry and exit points.</i></p>	T-o + 180 Days	40% of CAPEX	INR 20,000 for every day of delay
4	<p>Supply & Installation of IT & Non-IT Infrastructure at Primary Data Centre, DR, and applications:</p> <ul style="list-style-type: none"> • Detailed application integration architecture • Detailed list of customizations required • System design document • Test cases document for UAT • Installation of complete Application Portfolio • Delivery Challan • Installation reports 	T-o + 180 Days	15% of CAPEX	INR 20,000 for every day of delay

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Sr No	Deliverables	Timeline	Payment	Penalty
	<ul style="list-style-type: none"> System design document Test cases for UAT Warranty & AMC documents for active IT components & applications Integration and commissioning of the components mentioned above with the Surveillance CCC Operationalization of the entire application portfolio <p><i>VMS, EMS, Video Analytics, NDR, ICC, Video Wall, Dashboard/Application, integration architecture, customisations, UAT test cases, installation reports, warranty/AMC docs</i></p>			
5	<p>Project UAT and Go-Live (T1):</p> <ul style="list-style-type: none"> Completion of training, handover of all documentation, and formal Go-Live of the project Training completion report Go-Live report User manuals Detailed plan for monitoring SLAs and overall system performance Training Plan: Preparation of user manuals, training curriculum, and training materials Training and Final Commissioning: Delivery of training sessions as per the training plan Final commissioning of the system <p><i>Pro-rata and part payments will be allowed for individual locations or in lots, since the locations are spread across traffic junctions, bridges, and city entry and exit points.</i></p> <p>Completion of training, handover of all documentation, formal Go-Live, SLA monitoring portal operational, user manuals, training completion report</p>	T-0 + 270 Days	35% of CAPEX	INR 20,000 for every day of delay
6	<p>Operation and Maintenance of IT and Non-IT Components:</p> <p>Start of O&M Phase (Post Go-Live – T1) for five (5) years – 20 Quarters</p> <ul style="list-style-type: none"> SLA and performance monitoring Logging, tracking, and resolution of issues Application enhancements Patch updates Helpdesk services Preventive field maintenance 	T-1 + 3 Months	5% of Total 5-Year OPEX per quarter (= 25% of Annual OPEX; 20 quarterly payments totalling 100% of 5-Year OPEX)	As per the O&M SLA table for performance & Penalty

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Sr No	Deliverables	Timeline	Payment	Penalty
	<ul style="list-style-type: none"> Monthly SLA monitoring report <p><i>Pro-rata and part payments will be allowed for individual locations or in lots, since the locations are spread across traffic junctions, bridges, and city entry and exit points.</i></p> <p>O&M of IT & Non-IT Components for 5 Years (20 Quarters) post-T₁ - SLA monitoring, Helpdesk, Preventive & Corrective Maintenance, Application Enhancements, Patch Updates, Quarterly NMS-based asset verification, Monthly SLA reports</p>			

Note :-

- The quantities mentioned under the revised scope are indicative and may change based on actual site conditions observed during the Milestone 2 survey. Any such variation will be adjusted with SCADL's approval, but the unit rates quoted in the financial bid will stay as they are.
- A project contingency of 2% of the total project cost has been kept aside to handle unforeseen needs like PMC support, logistics, regulatory compliance or additional civil works. Any use of this contingency will require prior written approval from SCADL.
- All locations listed - 88 Corridors, 17 Bridges, 250 Riverfront PoS, 1,500 AMC Plots, 10 Pilot Junctions and other PoS - are tentative. The Bidder will confirm them during Milestone 2 and work with SCADL to obtain site access, RoW and other statutory approvals. If any location turns out to be unfeasible, SCADL will assign a suitable alternate of the same category.
- The existing TSP network and current Data Centre will be treated as the baseline. If the Bidder wishes to use an alternate Data Centre, it must be Tier-III certified (or equivalent), and all related costs must be absorbed within the financial bid.
- Payment against any milestone will be released only after SCADL certifies completion. This certification will be based on actual physical verification, functional testing, milestone documentation, and integration confirmation with ICCV, VMS, Video Analytics and e-Challan wherever applicable.
- all payments will be made in Indian Rupees and will be subject to TDS as per prevailing Income Tax rules. SLA monitoring for any commissioned location or category will start from the date that location's commissioning is formally certified.
- Installation of Facial Recognition Cameras at Metro locations depends on external agencies completing the Metro lines and stations. Payment will be made only for work actually supplied, installed, tested and commissioned - not for equipment that is procured or installed but not yet operational.
- SCADL retains the right to audit SLAs at any time, either directly or through an appointed agency. A formal SLA review will be carried out at the end of three months post-T₁ and then every year. Any revisions arising from such reviews will be binding for the remaining contract term.
- Payments will be made as per the quantities finalised in the financial bid, read along with the post-survey BOQ approved by SCADL. No payment will be released for items that are not commissioned, not visible in NMS, or fall outside the approved scope.
- AMC/SCADL may choose to issue Work Orders for only selected items or location categories. In that case, the contract value, PBG, scope of work and milestone payments will be adjusted proportionately.
- Commissioning and Go-Live may be approved in phases depending on site readiness - across Corridors, Junctions, Bridges, Riverfront, AMC Plots and PoS. SCADL may also break these down further into geographic clusters or readiness batches.

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- Wherever partial Go-Live happens, the Bidder will begin O&M and SLA obligations for those commissioned locations from that date itself. Quarterly O&M invoicing will be computed on a pro-rata basis using the NMS-discovered active assets against the total contracted assets of that category.
- If any delay is not attributable to the Bidder, supporting evidence must reach SCADL within 7 working days of the incident, clearly explaining the cause, responsible party, affected milestones and likely impact. If this is not done in time, it will be presumed that no external factor was involved.
- For variations of up to 30% in BOQ quantities, the Bidder will supply the additional items at the same rates as the financial bid. Such additional items will be paid separately. No claims will be entertained for quantities executed more or less than those given in the tender.
- For e-Challan use cases at Corridors having traffic signals and at all 10 Traffic Junctions, SCADL will manually verify detection accuracy before approving Go-Live (M3A/M3B) and UAT (M4). Accuracy is calculated as $(\text{True Positives} \div \text{Total Events Manually Verified}) \times 100$, and the Bidder will get a 15-day window to fine-tune the system before any retesting.
- No penalty will be levied for false positives during the implementation phase (up to T₁). That said, the Bidder is expected to keep reducing the false positive rate steadily through the project.
- Payment for e-Challan will be linked to the actual number of licences that are live and operational, supported by system-generated evidence such as server snapshots, enforcement logs and audit trails.
- For the 10 Traffic Junctions, accuracy will be tested individually across the full violation set - ANPR, RLVD, helmet, seat-belt, mobile usage, triple-riding, wrong-side driving, free-left blockage and stalled vehicle detection.
- If an e-Challan location is dismantled due to road widening, infrastructure works, authority directives or similar reasons, payment for those licences will be paused from the date of dismantling until the location is reinstated.
- If total OPEX penalties cross 15% of the quarterly invoice amount in any two consecutive quarters, SCADL may terminate the contract after issuing a 30-day cure notice. During this notice period, the Bidder will be expected to show corrective action and a credible improvement plan.
- On termination, all CAPEX-procured assets will become the property of AMC/SCADL, the PBG will be fully encashed, and the Bidder will ensure a smooth handover to the successor agency within 90 days. All source code, configurations, documentation, credentials and data will also be handed over to SCADL.
- Penalties will not apply in cases of Force Majeure, provided the clause is formally invoked and the Bidder can show a direct causal link between the event and the SLA impact. Written notice along with supporting evidence must reach SCADL within 7 working days.
- Non-compliance arising from reasons genuinely beyond the Bidder's control will be exempt from penalties. This exemption, however, will not cover acts or omissions of the Bidder's subcontractors, consortium partners or supply chain.
- Theft cases will be exempt from penalties only where the police categorise the incident as beyond the Bidder's control. The Bidder must submit the FIR, police investigation report, and evidence that proper physical security and tamper-detection arrangements were in place.
- Damages arising from road accidents or field incidents will be exempt from penalties, subject to submission of the police report, photographic evidence and insurance claim documents.
- Power shutdowns caused by the utility (other than those due to non-payment by the Bidder) or deliberate damage to equipment by external parties will be exempt from penalties, provided utility records, FIR or photographic evidence is submitted.
- Any temporary shutdown or relocation ordered by SCADL, AMC or a government authority - whether for public works, events or security reasons - will not attract any penalty.
- In all exemption cases, the onus of proof rests with the Bidder, and SCADL will be the final authority on whether the evidence submitted is sufficient. An exemption from penalties, however, does not take away the Bidder's responsibility to restore full services within the specified resolution timelines.

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11. Revised SLA

This chapter supersedes all references to Payment Terms, Project Timelines, Milestones, Penalties, and SLA in the Original RFP and Corrigendum-1. In case of conflict, this Corrigendum-2 shall prevail.

11.1.SLA MATRIX (Implementation Period)

Maximum cumulative Liquidated Damages capped at 10% of Total CAPEX Contract Value

Deliverable	Timeline	Penalty for Delay
Contract Signing & PBG Submission	To + 15 days	₹ 1,000 per day
Submission of SRS, FRS, and Detailed Design Documents	To + 30 days	0.50% of First Milestone Payment per week
Delivery of Equipment	As per procurement schedule in Section 10	0.75% of First Milestone Payment per week
Field Installation (poles, gantries, cameras, etc.)	As per rollout plan in Section 10	1.00% of First Milestone Payment per week
OFC Work (laying, termination, testing)	As per rollout plan	1.00% of First Milestone Payment per week
Final Go-Live (training, handover, commissioning)	To + 270 days	₹ 20,000 per day

11.2. Purpose & Scope of SLA

The purpose of this Service Level Agreement (hereinafter called "SLA") is to clearly define the levels of service that shall be provided by the Selected Bidder to the End Customer and SCADL for the entire duration of the contract. The SLA establishes a set of measurable parameters against which the performance of the Selected Bidder shall be monitored, evaluated, and enforced.

SLA Governance Principles:

- **Monitoring System:** The Selected Bidder shall deploy and maintain a dedicated, automated SLA monitoring system (e.g., a web-based portal) for both the implementation (CAPEX) and O&M (OPEX) phases. Designated AMC/SCADL officials must be provided with real-time access to this system.
- **Reporting:** The Selected Bidder shall submit a formal SLA compliance report on a monthly basis. In addition, a risk register documenting identified risks, impacts, and mitigation measures must be updated and shared with SCADL on a weekly basis.
- **Penalty Attribution:** Penalties shall be levied only for delays and non-compliance attributable to the Selected Bidder. For any delays caused by external factors, the Bidder must submit supporting evidence to SCADL within 7 working days of the incident.
- **CAPEX Penalty Cap:** During the implementation (CAPEX) phase, the maximum cumulative Liquidated Damages are capped at 10% of the total CAPEX Contract Value.
- **O&M Penalties and Termination:** During the Operations & Maintenance (O&M) period, if total penalties exceed 10% of the quarterly O&M invoice in any two consecutive quarters, SCADL reserves the right to terminate the contract.
- **Performance Thresholds:** The Selected Bidder must ensure that all systems, applications, and technology components perform at or above the specified SLA thresholds for the entire contract duration. The systems must be designed to ensure all performance metrics are measurable and auditable.

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11.3. SLA for O&M

System & Device Availability

This SLA measures the operational uptime of all hardware and core software components, monitored via the Network Management System (NMS).

SLA Parameter	Target	Measurement Basis	Penalty for Non-Compliance
Uptime of Field Devices (Pingable devices like cameras, field switches, UPS, etc.)	>= 98%	Quarterly average uptime across all devices in a category.	<ul style="list-style-type: none"> • >= 95% to < 98%: 2.5% of Quarterly O&M Invoice • >= 90% to < 95%: 5.0% of Quarterly O&M Invoice • < 90%: 10.0% of Quarterly O&M Invoice
Uptime of Core Infrastructure (DC & Network) (Servers, Storage, Core Switches, Routers)	>= 99.90%	Monthly uptime for each individual component.	<ul style="list-style-type: none"> • >= 99.50% to < 99.90%: 1.0% of Quarterly O&M Invoice • >= 99.00% to < 99.50%: 2.5% of Quarterly O&M Invoice • < 99.00%: 5.0% of Quarterly O&M Invoice
Uptime of Core Applications, VMS, Video Analytics, e-Challan Software, SLA Portal)	>= 99.90%	Monthly up-time for each application.	<ul style="list-style-type: none"> • >= 99.50% to < 99.90%: 1.0% of Quarterly O&M Invoice • >= 99.00% to < 99.50%: 2.5% of Quarterly O&M Invoice • < 99.00%: 5.0% of Quarterly O&M Invoice
Data/Video Recording Availability, (Availability of stored video footage for retrieval)	100% of footage from all operational cameras must be recorded and available for 30 days.	Based on audit checks of footage retrieval requests.	Any instance of data unavailability not attributable to camera downtime will be treated as a Priority 1 incident.

Incident Management & Resolution

This SLA defines the response and resolution time for any reported issue or automated alert.

Priority Level & Definition	Max. Resolution Time	Penalty for Delay (per incident)
Priority 1 (Critical) <i>e.g., Core application down, DC failure, >20% of field devices down.</i>	4 Hours	₹ 2,000 per hour of delay beyond the resolution time.

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Priority 2 (High) <i>e.g., Major feature failure, 5-20% of devices in a zone down, degraded performance.</i>	8 Hours	₹ 1,000 per hour of delay beyond the resolution time.
Priority 3 (Medium/Low <i>e.g., Single device failure, UI bug, user query, cosmetic issue.</i>	24 Hours	₹ 5,000 per day (or part thereof) of delay.

Manpower

This SLA ensures that qualified personnel are deployed and managed effectively.

SLA Parameter	Target	Measurement Basis	Penalty for Non-Compliance
On-site Engineer Attendance	95% adherence to the approved monthly roster for all designated sites.	Biometric or App-based attendance logs, verified against the roster.	A penalty equivalent to the pro-rata daily rate of the absent engineer for each day of unexcused absence.
Change of Key Personnel (Project Manager, Team Leads)	No change is permitted without 30 days prior written notice and formal approval from SCADL. An equivalent or better resource profile must be submitted.	Formal communication records.	A one-time penalty of ₹ 50,000 per instance of non-compliant change.
Resource Vacancy Fulfillment	Any vacant position (due to resignation or removal) must be filled within 21 days.	HR records and date of joining of the new resource.	After 21 days, a penalty equivalent to the pro-rata daily rate of the vacant position will be charged for each day the position remains unfilled.

System Performance & Reporting

This SLA covers the functional performance of applications and administrative compliance.

SLA Parameter	Target	Measurement Basis	Penalty for Non-Compliance
e-Challan Detection Accuracy (for ANPR, RLVD, Helmet, etc.)	>= 95% for each violation type.	Monthly manual audit by SCADL against system-generated data.	1.0% of the quarterly O&M invoice for each violation type that falls below the accuracy threshold.
Monthly SLA & Performance Report	Submission of a comprehensive report by the 7th day of the following month.	Email submission date.	₹ 10,000 per day of delay.
Weekly Risk Register Update	Submission of an updated risk register	Email submission date.	Repeated failure (more than twice in a quarter) will be deemed a compliance

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	to SCADL every Friday.		breach, attracting a fixed penalty of ₹ 25,000 per quarter.
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Overarching Governance Clauses

- **Penalty Exemptions:** No penalties will be levied for downtime or delays resulting from Force Majeure, theft (with FIR), road accidents, utility-side power cuts, or shutdowns mandated by a government authority, provided the Bidder submits proof within 7 working days.
- **Termination Clause:** If total O&M penalties exceed 10% of the quarterly O&M invoice for any two consecutive quarters, SCADL reserves the right to terminate the contract after issuing a 30-day cure notice.

Note: The previous "Performance Rating" parameter has been **removed**. Manpower performance shall be governed through **Attendance, Timely Replacement, and Qualification Compliance** only.

11.4. General Notes

- Penalties shall be levied only for reasons attributable to the Selected Bidder. Any risks or issues foreseen by the Bidder shall be promptly brought to SCADL's notice. Failure to flag shall presume no delays were expected.
- All works under or during execution of the contract shall at all times remain open to inspection and supervision by AMC/SCADL or appointed representatives.
- If the Bidder or its workmen/servants cause any damage to buildings, roads, fences, enclosures, grasslands, cultivated ground, or contiguous premises during execution, the Bidder shall rectify the damage at its own expense. In default, AMC/SCADL may engage another contractor and deduct the cost (as certified by the Engineer-in-Charge) from any sums due to the Bidder, or from its security deposit.
- If any hardware fails on **four (4) or more occasions in a quarter**, the Bidder shall replace it with equivalent new equipment at no cost to SCADL within **10 days from the date of the last failure**. Until replacement, the original equipment shall remain operational, or a standby shall be provided with all services restored. Breakdown penalties per SLA shall continue to apply during this period.
- All penalties shall be recovered from any payments due to the Successful Bidder.

11.5. Hardware Replacement Policy

Sr No	Provision	Detail
1	Trigger	Any hardware experiencing four (4) or more breakdowns in a quarter
2	Replacement Timeline	Within 10 days from the date of the last failure
3	Cost	At no additional cost to SCADL
4	Interim Obligation	Original equipment must be kept in working condition OR a standby of equivalent/higher configuration shall be deployed
5	Penalty Continuity	Applicable breakdown penalties shall continue to apply during the replacement period
6	Replacement Quality	Must be new, OEM-supported, and non-refurbished; must carry warranty/support for the remaining contract duration
7	Spare Inventory – General	The Bidder shall maintain minimum field spare inventory of critical components (cameras, ANPR units, RLVD units, switches, LPUs, illuminators, power units, solar panels/batteries) sufficient to meet resolution SLAs. Spare plan to be submitted during Milestone 2 and auditable at any time

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8	Spare Inventory – Enforcement	For Corridors (88) and Junctions (10), dedicated pre-positioned spares shall be maintained within city limits to achieve the 24-hour resolution target
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11.6. Partial / Full Damage to Hardware

Sr No	Provision	Detail
a	Asset Classification	Hardware installed under this project shall be treated as a critical public asset. During the contract period, the Bidder shall be responsible for repair/replacement of any stolen, damaged, or faulty equipment across all 915 field locations and the Data Centre. Adequate insurance cover shall be maintained for all supplied equipment
b	Standby Obligation	On partial/full damage or loss due to theft, intentional mishandling, fire, or similar events, the Bidder shall provide working standby equipment of equivalent or higher configuration and fully restore services, treating the incident as a normal breakdown from an SLA standpoint. Standby timelines: 24 hours for Enforcement locations (Corridors & Junctions); 48 hours for all other locations
c	New Hardware Arrangement	The Bidder shall arrange supply of new hardware for lost/damaged components. Monthly rental of 5% of basic hardware cost may be paid to the Bidder for standby equipment, OR SCADL may procure new equipment at financial-bid rates. If standby is not provided, breakdown penalties per SLA shall apply
d	Access & Security	Service engineers/representatives shall carry valid identity cards. Access to systems, logs, and backups shall only be granted after clearance from authorized AMC/SCADL officials. No component, data, or logs shall be removed from department premises without written approval
e	Damage Register	The Bidder shall maintain a register of all damaged/stolen/replaced hardware, updated in real-time and accessible to SCADL via the monitoring portal

Damage Register

Sr No	Field	Description
1	Date & Time of Incident	Exact timestamp of detection/reporting
2	Location Details	Category (Corridor / Junction / Bridge / Riverfront / AMC Plot / PoS), Site ID, Address
3	Nature & Extent of Damage	Partial / Full; description of affected components
4	FIR Reference	First Information Report number (if applicable - theft/vandalism)
5	Standby Deployment Date & Time	Timestamp of standby equipment deployment
6	Permanent Replacement Date & Time	Timestamp of permanent new-hardware installation
7	Insurance Claim Status	Filed / In Progress / Settled / Not Applicable

11.7. Review of SLA Parameters

The SLA framework is designed on the basis of the scope of services and operational requirements envisaged for the Selected Bidder. Given the evolving nature of the project, a formal SLA review shall be conducted at the **end of three (3) months from the date of Go-Live (T₁)**, followed by **annual reviews thereafter**. The purpose of the review is to reassess SLAs based on operational statistics, call volumes, analytics accuracy reports, and incident patterns.

SCADL, in consultation with the Selected Bidder, Project Management Consultants, and relevant domain experts, may revise SLA parameters as necessary to rectify unrealistic penalties or undue

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relaxations. Any revisions, once notified, shall be **final and binding** for the remainder of the contract term.

11.8. General Notes on Timelines & Payment Terms

11.8.1 Scope & Quantities

- **Tentative Quantities** - All quantities under the revised scope are based on preliminary assessments and are tentative. Variations identified during the detailed site survey under Milestone 2 shall be adjusted, subject to formal SCADL approval. Unit rates quoted in the financial bid shall remain unchanged.
- **Project Contingency** - A Project Contingency of **2% of total project cost** has been provisioned for unforeseen requirements including project management services, logistics, regulatory compliance, additional civil works, etc. Utilization shall require prior written SCADL approval.
- **Location Verification** - All locations across Corridors, Junctions, Bridges, Estate/SWM PoS, and Riverfront PoS are tentative. The Bidder shall verify and finalize them during Milestone 2, coordinating with SCADL for permissions, right-of-way clearances, and statutory approvals. Infeasible locations shall be replaced with equivalent-category alternates as directed by SCADL.
- **Data Centre** - Baseline is the existing TSP network and current Data Centre. If an alternate DC is proposed, it shall be **Tier-III certified**, with all associated costs included in the financial bid.

11.8.2 Payment Conditions

- **Milestone Certification** - Payments released only after formal SCADL certification based on physical verification, functional testing, milestone documentation, and confirmation of integration with ICCV, VMS, Video Analytics, and e-Challan (where applicable).
- **Currency, Taxation & SLA Commencement** - All payments in **INR**, subject to TDS per Income Tax Act. SLA monitoring commences from the date of commissioning certification of the respective location/category.
- **Dependency on External Infrastructure** - Facial Recognition Camera installation at Metro locations is dependent on external agency completion. Payment only for actual SITC completed. Automated SLA monitoring tools mandatory.
- **SLA Audit Rights** - SCADL may audit SLAs directly or through an independent agency. Reviews at **end of 3 months post-T1** and **annually thereafter**. Revised SLAs binding for remainder of contract.
- **Payment Basis** - All payments per post-survey adjusted BOQ approved by SCADL. No payment for items not commissioned, not discovered in NMS, or not in approved scope.
- **Partial Work Orders** - SCADL may issue WO for selected items/categories; Contract Value, PBG, Scope & milestone payments revised proportionately.

11.8.3 Phased Commissioning & Go-Live

- **Phase-wise Go-Live** - Commissioning and Go-Live in phases across Corridors, Junctions, Bridges, Riverfront, AMC Plots, and PoS -independently or in combination. Further geographic/batch sub-phasing permitted.
- **Partial Commissioning & O&M Commencement** - On partial Go-Live:
 - O&M commences from the date of partial Go-Live for commissioned locations

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- SLAs apply from partial Go-Live date
- Quarterly O&M invoices raised only for commissioned locations, computed pro-rata on **NMS-discovered active assets** vs total contracted sites per category

11.8.4 Delays, Extensions & Penalties

- **Delays Not Attributable to the Bidder** - The Bidder shall submit documentary evidence within **7 working days** of occurrence, identifying cause, responsible party, affected milestones, and impact. Failure to notify presumes no external factors.
- **Penalty Attribution** - Penalties levied only for delays attributable to the Bidder. The Bidder shall maintain a **weekly-updated risk register**, shared with SCADL, documenting identified risks, impact, and mitigation measures.
- **Extension of Project Duration** - In case of delays, SCADL may or may not extend project duration at its discretion. Extension does not relieve the Bidder of penalty obligations for original milestones unless explicitly waived in writing. **Extension of implementation phase shall not reduce the O&M period.**
- **Proof of External Delays** - Penalties shall not apply where the Bidder submits acceptable proof within 7 working days demonstrating causes beyond its control. SCADL is sole arbiter of acceptability.

11.8.5 Additional Items & Variations

- **Variation Limit & Pricing** - Payment for additional items subject to:
 - Total additional items \leq **30% of total project cost**
 - Variations within **30% of discovered quantities** per line item
 - SITC at same unit rates as financial bid, no escalation
 - Formal prior written SCADL approval mandatory
 - Additional items pertaining to the **65 removed junctions** to be executed at rates discovered under the Rate Discovery section of the Commercial Bid
- **Payment for Additional Items** - Paid separately by SCADL at financial-bid rates, following the same certification process as regular milestones.

11.8.6 E-Challan Specific Provisions

- **Notes for e-Challan Use Cases** (applicable to Corridors & Junctions):
 - SCADL manually verifies detection accuracy before Go-Live (Milestone 3A for Corridors, Milestone 3B for Junctions) and UAT (Milestone 5)
 - **Accuracy = (True Positive Events ÷ Total Events Manually Verified) × 100**
 - Milestone approvals withheld until threshold achieved; **15-day remediation window** before retesting
 - **No penalty for false positives during implementation (up to T1)**; continuous reduction expected
 - Payments based on actual licensed & operational e-Challan instances, supported by server snapshots, detection reports, enforcement logs, audit trails
 - **O&M Pause Clause:** If a location is dismantled (road widening, infrastructure projects, authority directives), license payments paused from date of dismantling until reinstatement

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- For the **10 Traffic Junctions**, accuracy verification covers the full violation suite - ANPR, RLVD, helmet, seat-belt, mobile usage, triple-riding, wrong-side movement, free-left blockage, stalled vehicle -each tested individually

11.8.7 Termination

- **Termination Clause** - If total OPEX penalties exceed **15% of the quarterly invoice in any two consecutive quarters**, SCADL may terminate the contract. Before termination, SCADL shall issue a **30-day cure notice**. If no satisfactory improvement is demonstrated within the cure period, SCADL may proceed with termination. Upon termination:
 - All CAPEX-procured assets vest with AMC/SCADL
 - PBG encashed in full
 - Bidder facilitates **orderly transition to successor within 90 days**
 - All source code, configurations, documentation, credentials, and data handed over to SCADL

11.8.8 Penalty Exemptions

- **Exemption from Penalties** - Penalties not levied in the following cases, provided the Bidder notifies SCADL in writing within **7 working days** with supporting documentary evidence:
 1. **Force Majeure** - Formal invocation + direct causal link
 2. **Reasons Beyond Bidder's Control** - Excluding acts/omissions of subcontractors, consortium partners, or supply chain
 3. **Theft** -Categorized as beyond Bidder's control by law enforcement, supported by FIR + police report + evidence of adequate physical security and tamper-detection
 4. **Road Accidents / Field Incidents** - Police report + photos + insurance claim documentation
 5. **External Power / Damage** -Utility shutdowns (not caused by non-payment by Bidder) or deliberate external damage -supported by utility records / FIR / photos
 6. **Authority-Directed Shutdown** -Temporary shutdown/relocation directed by SCADL/AMC or government authority for public works, events, or security reasons

In all cases under Note U, the burden of proof lies with the Selected Bidder. **SCADL shall be the sole arbiter of the sufficiency of evidence.** Exemption from penalties does not relieve the Bidder of the obligation to restore services to full functionality within prescribed resolution times.

12. Functional & Technical Specifications

12.1. Interpretation and Applicability of this Chapter

1. This Chapter 12 shall be treated as the consolidated and final functional and technical specification chapter for the purpose of bid submission, technical evaluation, detailed engineering, supply, installation, integration, testing, commissioning, handover, and operations under this project.
2. Bidders shall base their technical compliance, solution architecture, component sizing, bill of materials, interoperability commitments, and supporting documentation on this Chapter 12.
3. Wherever a technical parameter is expressly specified in this Chapter 12, the same shall prevail for technical compliance purposes.
4. However, all scope obligations, use cases, performance requirements, retention requirements, integration obligations, cybersecurity requirements, SLA conditions, O&M responsibilities, and other tender conditions stated in the RFP and corrigenda shall continue to apply unless specifically modified herein.
5. Compliance with the minimum specifications given in this chapter shall not relieve the bidder of responsibility to meet the approved use case, field performance, evidentiary quality, interoperability, uptime, cybersecurity, and lifecycle support requirements of the project.
6. Bidders may offer equivalent or better products, provided the offered solution fully meets the functional, performance, interoperability, integration, security, maintainability, and long-term support requirements of the project.
7. Final camera allocation, field infrastructure sizing, network design, compute sizing, storage sizing, and application architecture shall be finalized by the bidder based on approved design, joint field survey, and project requirements.
8. Wherever any accessory, minor hardware item, software component, license, interface, integration utility, adapter, mounting arrangement, protection component, or support element is required for successful functioning of the offered solution, the same shall be deemed included in bidder scope, whether or not individually listed in this chapter.

12.2. Fixed Camera

4 MP Camera for Riverfront, City Entry/Exit, Bridges	
Parameter	Minimum Specification
Camera Type	Fixed Camera - ANPR-Capable
Image Sensor	1/1.8" Progressive Scan CMOS (minimum) or equivalent, suitable for 4 MP resolution and intended application
Resolution	4MP (2688×1520 or higher)
Frame Rate	25 fps or better as suitable for all use cases
Shutter Type	Rolling/Global Shutter
Electronic Shutter Speed	Suitable for vehicle capture in intended field condition; camera shall support high shutter speed as required for the application
Lens	Varifocal lens suitable for ANPR application, generally within 5 mm to 50 mm range, as required for field deployment, Suitable for ANPR / surveillance use with IR correction
WDR	120 dB True WDR or better (minimum)
Low-Light Performance	• Color ≤ 0.005 lux
	• B/W ≤ 0.0005 lux
	• IR illumination $\geq 50-90$ m
IR Illuminator	Integrated high-power adaptive IR
ANPR Accuracy	$\geq 95\%$ accuracy for day/night at 0–120 km/h
Supported Plate Types	Retro-reflective, non-reflective, two-line, fancy plates, color plates, HSRP
ANPR Engine Compatibility	Must output plate text, confidence score, lane, direction: inbuilt or with required license
Compression	H.265 / H.264
Streaming	Triple stream (Main + Sub + Metadata)
Smart Encoding	H.265+ / H.264+ supported
On-Device Storage	MicroSD 256 GB or higher

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Analytics	Support for required camera-side analytics / metadata generation wherever applicable , Mandatory support for: ANPR in built or with license, vehicle classification, motion detection, tampering detection, metadata streaming, VA on Realtime / server side /Centralized
Network Interface	1 × RJ-45 10/100 Ethernet
ONVIF Compliance	ONVIF Profile S/G/T/M
Cybersecurity	• Secure boot
	• Encrypted firmware
	• TLS 1.2+ mandatory
	• Signed firmware packages
	• No default passwords
Power	PoE (802.3af/at), <12W typical
Environmental Protection	IP65 or better + IK10 vandal protection or better
Operating Temperature	-10°C to 60°C or better
Compliance	BIS, STQC
2 MP Camera for AMTS Shelter Cameras	
Parameter	Minimum Specification
Camera Type	Fixed Bullet Camera
Image Sensor	1/2.8" Progressive Scan CMOS (minimum) or equivalent, suitable for 2 MP resolution and intended application and use cases
Resolution	2MP (1920×1080)
Frame Rate	15 - 25 fps
Electronic Shutter Speed	Electronic shutter suitable for ANPR / surveillance application
Lens	Varifocal lens suitable for ANPR application, generally within 5 mm to 50 mm range, as required for field deployment, Suitable for ANPR / surveillance use with IR correction
WDR	120 dB True WDR or better (minimum)
Low Light Performance	• Color ≤ 0.01 lux • B/W: 0 lux with IR on
IR Illuminator	Integrated IR, minimum 30-meter range
Compression	H.265 / H.264
Streaming	Stream (Main + Sub + 1 Extra) (3 Streams)
Smart Encoding	H.265+ / H.264+ supported
On-Device Storage	MicroSD slot, support for up to 256 GB
Analytics	Motion Detection, Tampering Detection, Support for required camera-side analytics / metadata generation wherever applicable, , VA on Realtime / server side /Centralized
Network Interface	1 × RJ45 10/100 Ethernet
ONVIF Compliance	ONVIF Profile S/G/T
Cybersecurity	• Secure boot
	• Encrypted firmware
	• TLS 1.2+ support
	• No default passwords
Power	PoE (802.3af), <8W typical
Environmental Protection	IP66 or better + IK08 Vandal Protection
Operating Temperature	-10°C to 60°C
Compliance	BIS, STQC
Notes:	
A. Design, Deployment, and Flexibility	
1. Use Case Driven Selection: The final selection and deployment of 2MP or 4MP cameras at any given location shall be strictly based on the approved design, which considers lane coverage, field survey results, pixel density calculations, and the specific intended use case (e.g., general surveillance vs. ANPR enforcement).	

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2. **Survey-Based Placement:** Camera placement is paramount and shall be determined by a thorough field survey. This survey must cover angle of view, potential obstructions, shadows, ambient and artificial lighting, subject distance, and lane width to ensure the required operational outcome.
3. **Client-Mandated Adjustments:** SCADL reserves the right to require suitable changes in lens selection, mounting, angle, position, or accessories during implementation if deemed necessary to achieve the intended operational outcome.
4. **Primacy of Operational Outcome:** In case of any conflict between generic camera specifications and actual field performance requirements, the overarching requirement to achieve the approved operational outcome shall prevail.

B. Bidder's Scope and Responsibility

1. **End-to-End Responsibility:** The bidder is fully responsible for ensuring that the selected camera, lens, mounting arrangement, and associated accessories are adequate to meet the site-specific performance requirements under all operating conditions.
2. **Comprehensive Accessories:** All incidental accessories, including but not limited to mounting brackets, bird deterrent spikes, weatherproof housings, junction boxes, surge protection elements, and related items-required for a complete and robust field deployment shall be included in the bidder's scope.
3. **Illumination:** Where the camera's integrated IR is insufficient to meet performance requirements (e.g., for nighttime ANPR), the bidder shall be responsible for supplying and installing suitable external IR illumination.
4. **Comprehensive Warranty:** A comprehensive warranty covering all parts, labor, and performance shall be provided for all cameras for the entire contract duration.

C. Performance and System Integration

1. **Evidence-Grade Output:** At all designated enforcement locations, the offered camera, lens, and illumination configuration must be capable of delivering "evidence-grade" output suitable for legal admissibility.
2. **Streaming:** All fixed cameras shall provide a minimum of three (3) configurable video streams (e.g., for recording, live viewing, and analytics).
3. **Analytics and Data Transmission:** Primary analytics use cases shall run in real-time at the edge (on camera). Secondary use cases may be implemented on the server-side as per the approved architecture. In all cases, only alerts, metadata, and evidentiary clips shall be transmitted to the ICCC/ONOC to optimize bandwidth.
4. **Seamless Integration:** The cameras offered must fully integrate with the proposed VMS, video analytics platform, storage systems, network infrastructure, cybersecurity framework, and the Operations & Maintenance (O&M) platform.

D. Compliance and Certification

1. **STQC Certification:** The OEM shall have a valid STQC certification for the quoted camera models. Where not available at the time of bidding, it must be obtained before the start of supply as per tender conditions.
2. **MAC ID Registration:** The MAC addresses of all supplied cameras shall be officially registered in the name of the camera's Original Equipment Manufacturer (OEM).

E. Processing Architecture Flexibility:

1. The bidder may propose ANPR / video analytics processing through inbuilt camera-based processing and/or through an additional LPU / processing unit / server-based processing in Realtime, depending on the offered solution design and approved architecture. In either case, the bidder shall ensure full compliance with the technical specifications, required functionality, Realtime performance requirements, integration requirements, and overall operational outcomes defined in the tender. No additional deviation from the specified scope, performance, interoperability, cybersecurity, or maintenance obligations shall be permitted on account of the proposed processing architecture.

12.3. PTZ Camera

Sr. No.	Item	Minimum Specification
1	Sensor	1/1.8" CMOS or better
2	Resolution	4MP

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Sr. No.	Item	Minimum Specification
3	Optical Zoom	30× (minimum)
4	Digital Zoom	10×
5	IR Range	150–200 m
6	Pan/Tilt	360° continuous, –10° to 90° tilt
7	Preset	Speed ≥400°/s Presets 300+
8	Auto Tracking	Mandatory (people + vehicle) on Realtime / Server based / Centralized
9	WDR	True 120 dB
10	On-board Storage	256 GB
11	Power	PoE+ + (802.3bt)
12	Protection	IP65, IK10 (Or better)
13	Operating Temp	–10°C to 60°C
14	Streaming	Stream (Main + Sub + 1 Extra) (3 Streams)

12.4. Body Worn Camera

Parameter	Minimum Specification
Form Factor	Rugged body worn device suitable for field use; ergonomic and lightweight
Ingress Protection	Minimum IP66 or higher for dust and water resistance
Drop Resistance	Minimum 1.5 m drop test on hard surface
Operating Temperature	–10°C to +60°C (or better)
Video Resolution	Minimum 1080p Full HD recording
Field of View (FOV)	Minimum 120° wide angle lens
Audio Recording	Integrated microphone with clear audio capture; noise reduction / filtering preferable
Storage Capacity	Minimum 128 GB internal, non-removable, secure storage
Data Security	AES-256 encryption or equivalent industry-standard encryption for data at rest and during transfer
Recording Modes	Continuous, event based, and user activated recording
Event Buffer	Pre-event and post-event recording support, minimum 10 seconds configurable or better
Metadata Embedding	Automatic date/time stamp, user/official ID, device ID; GPS location tagging wherever supported
Low Light Capability	Automatic low light enhancement / night performance
Connectivity	Based on feasibility: Wireless / Wi-Fi for uploads; support for SIM-based 4G/5G connectivity directly or through compatible architecture
Connectivity -Wired	USB based connection for charging and authorized data transfer
Mounting Mechanism	Secure magnetic mount / clip / uniform mount / equivalent secure wearable mounting mechanism
Battery Life	Minimum 10–12 hours continuous operation on a single charge
Charging Options	USB charging and compatibility with single-bay and / or multi bay docking station
Device Indicators	Visual/vibration / audio indicators for power, recording, and storage status
Tamper Protection	Tamper evident design; tamper logging at device level
Docking Station Type	Suitable docking station architecture, including multi bay dock supporting centralized charging and high speed secure data offload

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Parameter	Minimum Specification
Dock Functionality	Automated charging, data offloading, and device health monitoring
Single Unit Dock	Single-device charging / offload support through USB or dedicated dock
Backend Software	Centralized management system for assignment, configuration, evidence management and reporting
User Access Control	Role based access, audit logs, and chain of custody tracking
Retention & Archival	Configurable retention, legal hold, and secure export mechanisms
ICCC / VMS Integration	Integration compatible with Traffic, CCRS, SASA 2.0 VMS, Data Centre, and ICCC
Compliance	BIS/CE/FCC / RoHS / or equivalent applicable certifications
Software Updates	Firmware and software updates for the entire contract period
Support Requirements	Remote diagnostics, device health reporting, and SLA based replacements

12.5. Field Infrastructure

Sr. No.	Item	Minimum Specification
Industrial PoE Switch		
1	Type	Managed outdoor / industrial grade Layer-2 switch suitable for field deployment
2	Ports	Minimum 4 / 8 PoE ports and uplink / SFP ports as per approved site design
3	PoE Standard	IEEE 802.3af / at or better
4	Protocol Support	VLAN, DHCP, SNMP, IGMP snooping, and other standard network management protocols
5	Access Control	Port security, MAC filtering, HTTPS / SSH / RADIUS / TACACS support or equivalent
6	Management	Console / CLI / web / SNMP-based management
7	Switching Capacity	Suitable for approved site bandwidth requirement
8	Power Input	Dual DC input preferred / required wherever applicable
9	Rating	IP40 or better for outdoor JB environment
10	Operating Conditions	Suitable for Ahmedabad field conditions
11	Compliance	BIS / UL / EN / IEC or equivalent applicable certifications
Outdoor Junction Box		
Sr. No.	Item	Minimum Specification
1	Type	Outdoor junction box suitable for field deployment
2	Size	Suitable to house switch, power equipment, surge protection, fiber termination and related field components
3	Material	CRCA / metal enclosure with weather-resistant coating
4	Thickness	Minimum 1.2 mm or better
5	Protection	IP55 or better
6	Locking / Tamper	Lockable / tamper-resistant arrangement
7	Features	Rain canopy, cable glands, proper earthing, ventilation / fan arrangement if required
8	Mounting	Pole / structure mount suitable for field installation
9	Form Factor	Suitable for rack / DIN rail mounting of field components
Poles/Gantry/Cantilever/Accessories		
Sr. No.	Spec	Minimum Specification

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Sr. No.	Item	Minimum Specification
1	Pole / Support Structure	Suitable for mounting cameras and associated field equipment
2	Structural Design	Designed for site conditions, wind load, equipment load, and vibration considerations
3	Corrosion Protection	Hot dip galvanized or equivalent suitable outdoor protection
4	Foundation / Mounting	As required for safe and stable installation
5	Wiring Provision	Concealed / protected routing for cables and accessories
6	Accessories	Suitable provisions for camera mount, junction box, electric meter box, and related accessories
7	Safety	Lightning protection and earthing provision required

Notes:

1. All poles, gantries, and support structures shall be designed considering site conditions, wind load, equipment load, vibration, and safety requirements.
2. Structural design / stability certification from a competent / authorized engineer shall be submitted wherever required by SCADL before installation / commissioning.
3. Pole numbering / identification and signage such as “Area Under Surveillance” shall be provided wherever required under approved design.

Media Converter / LIU / Cabling

Sr. No.	Item	Minimum Specification
1	Media Converter	Industrial-grade media converter suitable for proposed network design
2	LIU	Suitable for project fibre termination requirement
3	OFC	Outdoor-grade armoured single mode optical fibre cable
4	Copper Cable	Outdoor-grade power / network cable suitable for field deployment
5	Ducting / Accessories	As required for proper outdoor installation
6	Cabling Standards	Cabling shall conform to applicable BIS / ISO / TIA / industry standards as applicable

Earthing and Lightning Protection

Sr. No.	Item	Minimum Specification
1	Earthing	Earthing shall be provided for field equipment, power system, UPS, poles, junction boxes and other metallic components as per applicable Indian standards
2	Earth Resistance	Suitable low resistance earthing shall be maintained for safe operation and equipment protection
3	Lightning Protection	Lightning arrester / surge protection arrangement shall be provided for field installations wherever required
4	Cable Separation	Proper separation of data and power cabling shall be maintained to avoid interference
5	Compliance	Earthing and protection arrangement shall comply with applicable electrical and safety standards

Notes:

1. Earthing shall comply with applicable BIS / IS standards including IS 3043 or equivalent applicable standards.
2. All metallic objects likely to be energized by electric currents shall be effectively grounded.
3. Earth resistance monitoring and corrective action arrangement shall be provided wherever required as part of the approved solution design.

Surge Protection / Voltage Stabilizer

Sr. No.	Item	Minimum Specification
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Sr. No.	Item	Minimum Specification
1	Voltage Stabilizer	Suitable automatic voltage correction arrangement wherever required by site condition
2	Surge Protection	Surge protection devices / strips suitable for field equipment shall be provided
3	Protection Functions	Over-voltage, current surge, thermal and overload protection
4	Power Outlets	Suitable number of protected outlets as per site requirement
5	Operating Conditions	Suitable for junction box / field operating temperature

- The bidder / selected SI shall be responsible for complete planning, coordination, liaisoning, documentation, application processing, follow-up, and execution support required for arranging electricity connectivity for all field locations / components under the project, including last-mile power cabling, termination, and associated enabling works as required for successful commissioning. Accordingly, any item(s) relating to electricity connection charges, electricity setup charges, meter charges, utility deposits, application fees, or similar electricity establishment costs shall be treated as excluded for quoting purpose and shall not be quoted separately by the bidder.
- The actual statutory charges paid to the concerned electricity authority towards electricity connection / service release, including applicable connection charges, meter-related charges, and security deposit, if any, shall be reimbursed on actual basis, subject to submission of documentary evidence and approval of the competent authority. Such reimbursement shall be limited strictly to the actual amount paid to the concerned authority and shall not include any overheads, administrative charges, liaising charges, penalties, interest, or profit of the bidder. Recurring electricity consumption charges during the operational phase shall be governed as per the tender / contract conditions.
- The bidder / selected SI shall also be responsible for obtaining required permissions and carrying out trenching, digging, ducting, cable laying, cable termination, reinstatement, restoration, and other ancillary civil / utility works as required under the project scope. Any cost towards reinstatement, restoration, rentals, and similar civil work-related expenses shall be borne by the bidder. However, RoW charges and security deposits, wherever applicable and paid to the concerned authority, shall be reimbursed on actual basis, subject to submission of supporting documents and approval of the competent authority.

12.6. Network & Data Centre

Sr. No.	Item	Minimum Specification
Application Server		
1	Form Factor	1U/2U rack server
2	CPU	2 × CPU, minimum 16 cores each (Xeon / AMD EPYC equivalent)
3	Total Cores	Minimum 32 physical cores
4	RAM	128 GB DDR4/DDR5 ECC (expandable to 512 GB)
5	Storage	2 × 480 GB SSD (RAID 1)
6	RAID Support	Hardware RAID controller with cache
7	Network	4×1GbE or 2×10GbE
8	Power	Dual redundant hot-swap PSU
9	OS Support	Windows/Linux compatible
10	Management	IPMI/Redfish remote management
Database Server		
Sr. No.	Item	Minimum Specification
1	Form Factor	2U server
2	CPU	Dual Intel Xeon (min 20–24 cores per CPU)
3	Total Cores	≥32 cores
4	RAM	256 GB ECC (expandable to 1 TB)
5	Storage	2×480 GB SSD (OS), FC HBA for SAN

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Sr. No.	Item	Minimum Specification
6	HBA	Dual 16/32 Gbps FC HBA
7	RAID	Hardware RAID controller
8	Network	4×1GbE or 2×10GbE
9	Purpose	Central metadata, analytics indexing, logs
10	HA Support	Active-Passive or Active-Active
Recording/VMS Server		
Sr. No.	Item	Minimum Specification
1	CPU	Dual Intel Xeon Silver/Gold (minimum 16 cores per CPU)
2	RAM	128 GB ECC
3	Storage (Boot)	2×480 GB SSD (RAID 1)
4	Storage Interface	FC HBA 16/32 Gbps
5	Network	2×1GbE + 2×10GbE
6	Throughput Handling	≥800 Mbps sustained recording
7	OS Support	Linux/Windows
8	Form Factor	2U rack server
GPU/ANALYTICS SERVER		
Sr. No.	Item	Minimum Specification
1	CPU	Dual Xeon Silver/Gold 24-core (48 cores total)
2	RAM	256 GB ECC
2	GPU	Minimum 4× NVIDIA A30 or equivalent Tensor Core GPUs
3	GPU Memory	≥24 GB per GPU
4	GPU Framework	CUDA/cuDNN compatible
5	Boot Storage	2×480 GB SSD
6	Expansion	Support for 4 dual-slot GPUs
7	Network	2×10GbE
8	Cooling	High-performance fans, airflow optimized
9	Form Factor	2U preferred
10	HA	N+1 Nodes
MANAGEMENT / ACTIVE DIRECTORY SERVER		
Sr. No.	Item	Minimum Specification
1	CPU	Dual Xeon 16-core
2	RAM	128 GB
3	Storage	2×480 GB SSD
4	Network	4×1GbE
5	Purpose	AD, LDAP, authentication workloads
6	CPU	Dual Xeon 16-core
7	Redundancy	Minimum 2 Nodes
NMS/EMS Server		
1	CPU	Dual Xeon 16-core
2	RAM	128 GB
3	Storage	2×480 GB SSD

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Sr. No.	Item	Minimum Specification
4	Network	2×10GbE
5	Certification	ITIL4 alignment recommended
Backup Server		
Sr. No.	Item	Minimum Specification
1	CPU	Dual Xeon 16-core
2	RAM	128 GB
3	OS Storage	2×480 GB SSD
4	Data Storage	4×4 TB Enterprise HDD (RAID 5/6)
5	Network	10 GbE mandatory
6	Use	Backup of DB metadata, configs, logs
ANTIVIRUS / SECURITY AGENT SERVER		
Sr. No.	Item	Minimum Specification
1	CPU	1× Xeon 16-core
2	RAM	64 GB
3	Storage	2×480 GB SSD
4	Network	2×1GbE
PRIMARY STORAGE (SAN/NAS)		
Sr. No.	Item	Minimum Specification
1	Type	Enterprise SAN/NAS with dual active controllers
2	Usable Capacity	10 PB usable (as per scope)
3	Drive Type	NL-SAS 20–24 TB with RAID Distributed Parity (RAID DP+)
4	Cache	≥48 GB total controller cache
5	Controller	Dual redundant active-active
6	Connectivity	16/32 Gbps FC OR 10/25GbE iSCSI
7	Expansion	Modular, increase expansion from 30% to 100% without controller replacement
8	Features	Thin provisioning, snapshots, replication
9	Availability	≥99.99% overall storage solution availability
10	NAS Controllers	External/Built-in Dual redundant NAS controllers cum gateway from same OEM. These should be over and above redundant SAN controllers
HOT DATA TIER (NVMe / SSD Tier)		
Sr. No.	Item	Minimum Specification
1	Capacity	60 TB usable (minimum)
2	Type	NVMe SSDs
3	IOPS	≥200K read/write aggregate
4	Connectivity	FC or NVMe-of
5	Use	Analytics metadata, fast indexing
6	Data Availability Guarantee	100% data availability guarantee storage
CORE ROUTER (DC Gateway)		

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Sr. No.	Item	Minimum Specification
1	Throughput	≥20 Gbps
2	Features	BGP/OSPF, MPLS capable
3	Ports	2×25G + 2×10G Minimum
4	Redundancy	Active/Standby or VRRP
5	Security	Route filtering, ACLs
CORE SWITCH (L3, DC)		
Sr. No.	Item	Minimum Specification
1	Switching Capacity	≥2 Tbps
2	Ports	48×1G/10G + 4×40G/100G uplinks
3	Features	VXLAN, MLAG, QoS, ACL
4	Redundancy	Dual hot-swap PSU
5	Performance	Wire-speed switching
AGGREGATION SWITCH (L3)		
Sr. No.	Item	Minimum Specification
1	Ports	48×1G/10G
2	Uplinks	4×40G mandatory
3	Features	L3 routing, ACL, QoS
ToR / ACCESS SWITCH (L2/L3)		
Sr. No.	Item	Minimum Specification
1	Ports	24/48 × 1G
2	Uplinks	4×10G
3	Features	VLAN, STP/RSTP, QoS, ACL
SERVER LOAD BALANCER (L4–L7)		
Sr. No.	Item	Minimum Specification
1	Throughput	≥10 Gbps
2	Redundancy	HA pair required
3	Supported Features	SSL offload, reverse proxy, WAF compatibility
4	Certifications	Must support OEM APIs for VMS/Analytics workloads
FIREWALL (NGFW)		
Sr. No.	Item	Minimum Specification
1	Firewall Throughput	≥20 Gbps
2	Threat Prevention	≥10 Gbps
3	VPN	≥5 Gbps
4	Features	IPS/NIPS, App Control, URL filtering, SSL inspection
5	HA	Active-Active or Active-Passive
6	Redundancy	Dual PSU
SIEM (5-Year License)		
Sr. No.	Item	Minimum Specification
1	Event Sources	1000- 1500 devices

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Sr. No.	Item	Minimum Specification
2	Correlation	MITRE ATT&CK mapping
3	Retention	1-year online
4	Deployment	On-prem integrated with NDR
ANTI-DDOS		
1	Mode	Inline + out-of-path
2	Capacity	≥4×10GbE
3	Attack Types	Volumetric, application, protocol
4	Dashboard	Real-time with alerting
WAF (Web Application Firewall)		
Sr. No.	Item	Minimum Specification
1	Throughput	≥5 Gbps
2	Features	OWASP Top-10 protection, SSL termination
42U SERVER RACKS		
Sr. No.	Item	Minimum Specification
1	Height	42U
2	Depth	≥1000 mm
3	Included	Cable management, PDUs, blanking panels
4	Load Rating	≥1000 kg
100 KVA UPS (N+1)		
Sr. No.	Item	Minimum Specification
1	Type	Online double conversion
2	Capacity	100 KVA (N+1 redundant)
3	Battery Backup	4 hours
4	Features	Static bypass, monitoring panel
DG SET 125 KVA		
Sr. No.	Item	Minimum Specification
1	Compliance	CPCB-VI
2	ATS	Mandatory
3	Tank	Min. 8 hour fuel autonomy
PRECISION AIR CONDITIONING (PAC)		
Sr. No.	Item	Minimum Specification
1	Type	Downflow, N+1
2	Cooling Capacity	20–25 TR +
3	Features	Humidity control, redundant fans
FIRE SUPPRESSION		
Sr. No.	Item	Minimum Specification
1	Detection	VESDA early warning
2	Zones	DC + UPS room

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12.7. NDR

Core Management Console (DC)		
Sr. No.	Item	Minimum Specification
1	Deployment	On-premise, centralised management console
2	Architecture	AI/ML-based network behaviour analysis engine
3	Visibility Scope	100% coverage of SASA-I + SASA-II network segments
4	Device Coverage	Firewalls, switches, servers, cameras, NMS, VMS, analytics nodes
5	Protocol Analysis	Layer-2 to Layer-7 deep inspection
6	AI/ML Features	Baseline learning, anomalous behaviour detection, lateral movement identification
7	Detection Types	Signature, anomaly, behavioural, encrypted-traffic metadata
8	Threat Mapping	MITRE ATT&CK matrix
9	Response Actions	Alert, isolate, rate-limit, quarantine, API-triggered response
10	Forensics	Packet reconstruction, session replay
11	Storage	Minimum 12 months security metadata retention
12	Integration	SIEM, NGFW, SOC dashboards, EMS/NMS
13	Reporting	Incident timeline, PCAP extraction, forensic summaries
14	Scalability	Horizontal scale-out via additional nodes
15	Redundancy	HA (Active-Standby or Cluster)
DC + Network Aggregation Points		
Sr. No.	Item	Minimum Specification
1	Placement	DC core, aggregation switch, traffic junction aggregation, corridor ingress points
2	Detection Capacity	≥20 Gbps per sensor
3	Packet Capture	Full or selective packet capture
4	Traffic Types	North-south + east-west traffic
5	Threat Categories	Malware, botnet, anomalies, brute force, command/control
6	Metadata Collection	NetFlow/IPFIX, L2–L7 session logs
7	Time Sync	NTP/PTP sync for evidence accuracy
8	Encrypted Traffic	Metadata analysis without decryption
9	Deployment	Inline / TAP / SPAN compatible
10	Management	Auto-register to central NDR console
11	High Availability	Sensor failover
TAP Devices		
Sr. No.	Item	Minimum Specification
1	Ports	Minimum 4×10GbE
2	Type	Aggregation TAP or Regeneration TAP
3	Packet Delivery	Zero packet loss design
4	Fail-Safe Mode	Passive bypass in case of power failure

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5	Monitoring Modes	SPAN / inline / dual-SPAN support
6	Use Case	Feeding raw or filtered traffic to NDR sensors
7	Environmental	Rack-mount, DC-grade equipment
8	Security	Tamper-resistant, locked chassis
NDR Detection Capabilities		
Sr. No.	Item	Minimum Specification
1	Behavioural Analytics	ML-based detection of new threats without signatures
2	Lateral Movement	East-west traffic anomaly detection
3	Command & Control	Beaconing behaviour detection
4	Insider Threats	Unusual access pattern monitoring
5	Zero-Day Detection	Behavioural based anomaly scoring
6	Device Profiling	Camera, switch, router, server fingerprinting
7	Policy Violation	Unauthorized app/protocol detection
8	Malware Traffic	DNS tunnelling / C2 traffic patterns
9	Bot Detection	Multi-stage correlation and behaviour mapping
10	Remote Access Threat	VPN anomalies, suspicious logins
11	IoT/Camera Threat Detection	Rogue firmware, unauthorized IP change, DoS attempts
NDR Response Capabilities		
Sr. No.	Item	Minimum Specification
1	Response Actions	Auto-alert, quarantine (via API), VLAN isolation, block-list push
2	Integration	API integration with firewall, switches, SIEM
3	Real-time Alerting	<1 second detection-to-alert time
4	Evidence Pack	Includes timestamps, metadata, PCAP snippet
5	Playbooks	Predefined responses for recurring incidents
6	Automation	Optional auto-mitigations via SOAR/NMS
NDR + SIEM + NGFW Unified Architecture Requirements		
Sr. No.	Item	Minimum Specification
1	Data Flow	Logs to SIEM, packets to NDR, events to SOC
2	API Integration	Mandatory bi-directional APIs
3	Time Sync	Mandatory
4	Compliance	CERT-IN, MITRE ATT&CK mapping
5	Log Types	NetFlow, syslog, packet metadata, DNS logs, threat logs

12.8. ICCC / Video Wall / Operator Infrastructure

Video Wall		
Sr. No.	Item	Minimum Specification
1	Display Technology	LED
2	Pixel Pitch	≤ 2.5 mm
3	Bezel	0 mm (seamless)
4	Brightness	≥ 800 nits

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5	Contrast Ratio	≥ 5000:1
6	Viewing Angle	≥ 140° (H / V), or better
7	Service / Maintenance Access	Front serviceable modules / cabinets
8	Life	≥ 100,000 hours
9	Operating Environment	Indoor command and control room application, continuous operation
10	Controller / Processor	Compatible with existing ICCC video processing and signal distribution
11	Cabinet / Construction	Suitable for continuous ICCC use with stable flatness and serviceability
12	Inputs	As required to meet overall functional requirement of video wall and command centre
13	Scaling / Brightness Control	Required
14	OEM Controller Compatibility	LED wall controller shall be OEM approved / authorized

Notes:

1. The proposed video wall shall be fully compatible with existing ICCC infrastructure including signal distribution, controllers / processors, mounting / structural constraints, power availability, and room ergonomics.
2. Vendors shall explicitly confirm end-to-end interoperability with the deployed ICCC stack during bid submission and during commissioning.
3. Any additional accessories, converters, mounts, processors, or interface items required for successful deployment and integration shall be included in bidder scope.
4. If exact size / configuration is governed by site constraints, the same shall be finalized during detailed design in consultation with SCADL while maintaining the minimum functional requirements stated above.

Video Wall Controller / Management System

Sr. No.	Item	Minimum Specification
1	Multi View	Support simultaneous display of multiple sources in user-defined layouts
2	Input Compatibility	Compatible with IP KVM, virtual machines, camera streams, VMS streams, H.264 / H.265 sources, and standard display sources as required
3	Output Resolution	4K-capable outputs at 60 Hz or better
4	Layout Flexibility	User-definable templates, layouts, source movement and resizing without disrupting active layout
5	Presets / Scenarios	Support save / recall / edit / delete of scenarios / presets
6	Concurrent Access	Support multiple authorized users with role-based access permissions
7	Remote Access	Support remote management / source access as required by architecture
8	Network Redundancy	Redundant LAN / network connectivity preferred / required
9	Management	Central administration, source management and user management
10	Integration	Seamless integration with proposed video wall, operator infrastructure and ICCC environment

Operator Workstation

Sr. No.	Item	Minimum Specification
1	Type	Enterprise / industrial workstation suitable for 24×7 command centre use
2	Processor	Latest generation enterprise processor or equivalent suitable for intended workload
3	Chipset / Motherboard	OEM chipset and motherboard
4	RAM	Minimum 32 GB, expandable

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5	Storage	Minimum 512 GB SSD
6	Graphics	Dedicated graphics suitable for multi-monitor operation and surveillance workload
7	Network Interface	Gigabit Ethernet
8	Audio	Standard audio input / output support
9	Ports	Adequate USB and display ports for required peripherals
10	Input Devices	OEM keyboard and mouse
11	Accessories	Joystick / PTZ controller wherever required
12	Operating System	Licensed 64-bit professional / enterprise operating system
13	Power Supply	Suitable efficient power supply for continuous operation
14	Compliance	Suitable for continuous operator workload with required number of cameras per screen without lag

Operator Display Monitor

Sr. No.	Item	Minimum Specification
1	Size	Suitable monitor size for command centre operation
2	Resolution	High-resolution display suitable for surveillance and ICCC operations
3	Panel	Suitable display technology for continuous operator use
4	Brightness	Suitable for indoor command centre environment
5	Viewing Angle	Wide viewing angle
6	Ports	HDMI / DP / USB as required
7	Ergonomics	Tilt / height / swivel or equivalent ergonomic adjustments
8	Mounting	VESA or equivalent suitable mounting support

IP-KVM / KVM Management System (Wherever Included in Scope)

Sr. No.	Item	Minimum Specification
1	Function	Secure source capture, remote access, multi-view and centralized management for workstation / video wall environment
2	Source Support	Support PCs, servers, virtual machines and other required display sources
3	Protocol Support	Support relevant remote display protocols as required by proposed architecture
4	Display Support	Support multiple simultaneous sources and customizable layouts
5	Resolution	Support up to 4K display / transport as required
6	Security	Encrypted transport and secure authentication
7	Connectivity	Redundant network connectivity preferred / required
8	Management	Centralized KVM management with user access control, discovery and firmware management
9	Integration	Integration with video wall controller and operator environment

12.9. General Completeness, Integration, and O&M Requirements

1. The bidder shall provide all hardware, software, licenses, subscriptions, accessories, integration components, utilities, middleware, management tools, database components, operating systems, hypervisor / virtualization layer, backup agents, security agents, and related items required for a fully functional system, unless specifically excluded in the final BOQ.
2. Only those items expressly included in the final revised scope / BOQ / price discovery shall be treated as mandatory commercial scope.
3. The selected agency shall provide comprehensive O&M services for hardware, software, networking, connectivity, power, field infrastructure, data centre, NDR, SIEM, and manpower deployed under the project.
4. Preventive maintenance shall include periodic cleaning and inspection of cameras, poles, junction boxes, field equipment, network equipment, servers, storage, power systems, and applications, including firmware / software updates and health audits.
5. Corrective maintenance shall include prompt repair or replacement of faulty hardware, and minimum critical spares inventory as required under the project shall be maintained within Ahmedabad.

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6. The bidder shall provide all required documents including survey reports, coverage study, analytics-to-camera mapping, network feasibility, trenching plan, DC architecture, scalability plan, SRS / FRS, technical design documents, UAT documents, training material, user manuals, warranty documents, and AMC / O&M documents as applicable.
7. Wherever a specific parameter is not expressly stated in this Chapter 12, the offered solution shall nevertheless comply with approved design, intended use cases, integration requirements, retention requirements, cybersecurity requirements, and other applicable tender conditions.
8. In the event of any gap between generic technical specification and required field performance, the requirement to achieve the intended operational outcome shall prevail.
9. SCADL may seek technical clarifications, datasheets, architecture notes, sizing calculations, compliance statements, interoperability confirmations, and OEM recommendations at any stage of evaluation, implementation, or acceptance.
10. Approval of drawings, designs, makes, models, or BOM by SCADL shall not relieve the bidder of end-to-end responsibility for successful implementation and operation.
11. All communication channels, software interfaces, and system integrations shall be secured in accordance with the project cybersecurity requirements.
12. The bidder shall ensure that all proposed products remain supportable and serviceable during the implementation and O&M period. If any product is discontinued, unsupported, or unavailable during the contract period, the bidder shall provide an equivalent or better replacement with full compatibility and without adverse impact on the project.

13. Existing Integrated Command and Control Centre (ICCC) Component List

Integrated Command and Control Centre (ICCC) – Existing Component List					
Sr. No.	Item Name	UOM	Make	Model	Quantity
1	Operator Console & Ergonomic Chair	Nos.	Design Code	Operator Console (3monitors) H x W x D = 750mm X 1800mm X 900mm	25
2	Office Cubical & Chairs for office staff	Nos.	Design Code	OFFICE CUBICAL DESK H x W x D = 750mm X 3600mm X 1500mm	30
3	Online UPS for CCC & DC	Nos.	APTL	Arrow 150 KVA Online UPS	1
4	Building Management System	Nos.	Bajaj	Delta control	1
5	Fire Alarm system (for CCC & DC)	Nos.	Bajaj	SCP 3020	1
6	Access Control System (Biometric/RFID/Proximity based)	Nos	Bajaj	HID	1
7	Desktop PC's	Nos.	ACER	Verizon M200 Corei5	50
8	Video Wall Solution- in 9 X 3 arrangement (with video Controller) at Paldi	Nos.	Delta	LW-5580 TR IC- & Icon Pro Nos.	1
9	Video Wall Solution- in a 2 X 2 arrangement (with video Controller) at AMC HQ, Danapith	Nos.	Delta	LW-5580 TR IC- & Icon Pronaos.	1
10	Workstations (3monitors, CPU, Keyboard, mouse, etc.)	Nos.	ACER	Veriton M200 Corei7	25
11	Touch Monitor	Nos.	LG	84" Touch Screen - 84TR3B	4
12	Indoor Fixed Dome Cameras (25 for CCC & 1 for DC)	Nos	Lookman	Secura: SIP-20EH437W-D4	26
13	CCC Software (including implementation)	Nos.	Qognify	Situator Enterprise Server	1
14	Conference Table & chairs (for 8 personnel)	Nos.	Design Code	CONFERENCE TABLE FOR 8 PERSON H x W x D = 750mm X	1

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Integrated Command and Control Centre (ICCC) – Existing Component List					
Sr. No.	Item Name	UOM	Make	Model	Quantity
				2400mm X 900mm	
15	Additional LED Displays	Nos.	LG	LED-55K160GAU, 2 x HDMI, 1 x USB	4
16	Phones/Communication system (IP Phones)	Nos.	Panasonic	KX – HDV 130	50
18	Conference table for 20 personnel with table top touch screens/capacitive, 84"	Nos.	Design Code	CONFERENCE TABLE FOR 20 PERSON H x W x D = 750mm X 9300mm X 4300mm & 84" Touch Screen - 84TR3B	1
19	DC Core Router	Nos.	Cisco	ASR1013	2
20	Internet Routers	Nos.	Cisco	ASR 903	2
21	DC Switch (L3 Switch)	Nos.	Cisco	Catalyst 3850	2
22	48 port L2 switch	Nos.	Cisco	Catalyst 3850	5
23	UTM	Nos.	Fortinet	FG-3000D, FWB-2000E, FML-200E	2
23	Blade Server with chassis	Nos.	Dell & Symantec	PowerEdge (TM) & Data Centre Security Server Advanced	119 blades
24	Server Load Balancer	Nos.	Array	AVX 7600	2
25	24U Network Rack	Nos.	Netrack	24U Rack Frame	7
26	42U Server Rack	Nos.	Netrack	42U Rack	12
27	42U Network Rack	Nos.	Netrack	42U Rack	2
28	Enterprise Management System (incl. Licenses, Hardware, Software, Installation)	Nos.	Mota data	MD-ET-IIP-10000 MD-ET-AM-10000 MD-ET-SD-Base	1
29	Storage (Applications; Capacity 10 TB)	Nos.	Dell	R730	1
30	Storage (Video feeds; Capacity 5.5 PB)	Nos.	Dell	ISILON NL 410	1
31	Antivirus Software License	Nos.	Symantec	Endpoint Protection	10
32	VMS Software & Video Analytics (8 Channel)	Nos.	Qognify	Nice Vision Enterprise Software & Single Video Analytics	1

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Integrated Command and Control Centre (ICCC) – Existing Component List					
Sr. No.	Item Name	UOM	Make	Model	Quantity
33	VMS: Licenses for Camera	Nos.	Qognify	License for Nice Vision Enterprise	7000
34	VMS Workstation Licenses	Nos.	Qognify	VMS Client	100
35	RDBMS Licenses	Nos.	WinSvrDC Coreand	RDBMS	1
36	Junction Box (adjustable trays)	Nos.	Rohan	Customized	85
37	Junction Box (pole mounted)	Nos.	Customized	Customized	290
38	Managed Outdoor L2 Switch PoE (8-port)	Nos.	D-Link	DGS-F1210-10MP	695
39	Managed Outdoor L2 Switch PoE (Fiber Port)	Nos.	D-Link	DIS-F200-10PS	800
40	6U Rack	Nos.	Netrack	6U/500	1064
41	UPS for AMC Locations	Nos.	ARROW	600VA LI	100
42	Poles incl. mounting	Nos.	Valmont	Customized	522
43	IP Camera Type B: Surveillance	Nos.	Lookman	Secura: SIP-20EH4W-BO2	2840
44	IP Camera Type B (Motorized Zoom)	Nos.	Lookman	Secura: SIP-20EH4W-BO2	210
45	IP Camera Type C: PTZ	Nos.	Lookman	Secura: SIP-20SH5336W-P5S & Illuminator - SIR-o86oPI®	224
46	LED Display Boards (7.2m x 2.7m) Type-1 (P10)	Sq. Mtr.	Delta	Outdoor LED Display system SE-10	720
47	Monopole for LED Display board	Nos.	Delta	Standard	126
48	LED Display Boards (7.2m x 2.7m) Type-2 (P8)	Sq. Mtr.	Delta	Outdoor LED Display system SE-8	2304
49	Gantry for LED Display board	Nos.	Delta	Standard	4
50	Outdoor Wi-Fi Access Points (incl. Controller Licenses)	Nos.	Cisco	AP1562 with Virtual Controller	300
51	Indoor Wi-Fi Access Points (incl. Controller Licenses)	Nos.	Cisco	AP1815I with Virtual Controller	300
52	Environmental Sensors	Nos.	PAQS	PAQ ES, RWS001, WSD001	50

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Integrated Command and Control Centre (ICCC) – Existing Component List					
Sr. No.	Item Name	UOM	Make	Model	Quantity
53	Managed 24-Port Switch for Zonal Offices	Nos.	Cisco	2960-X	6
54	Aggregation Router for Zonal Offices	Nos.	Cisco	ASR1006	6
55	Router (Wi-Fi Hotspot)	Nos.	Cisco	ISR4331	45
56	CCTV Sign Board	Nos.	Standard	Standard	1137
57	Adaptive Traffic Control Systems	Nos.	DIMTS	CDAC-based ATCS (Junctions)	10
58	Video Wall Solution (10x6 arrangement)	Nos.	Delta	LW-5580 TR IC & Icon Pro	1
59	Additional LED Displays for News	Nos.	LG	LED-55K160GAU	4
60	Touch Monitors for CCC	Nos.	LG	84" Touch Screen - 84TR3B	4
61	Monitoring Workstations (3 monitors)	Nos.	ACER	Veriton M200 Core i7	50
62	Indoor Fixed Dome Cameras	Nos.	Lookman	Secura: SIP-20EH437W-D4	10
63	Online UPS for TCC & DC	Nos.	APTL	Arrow 150 KVA Online UPS	1
64	Server Load Balancer	Nos.	Array	AVX 7600	2
65	Core Router	Nos.	Cisco	ASR1006	2
66	L3 Core Switch	Nos.	Cisco	Catalyst 3850	2
67	48-port L2 Switch	Nos.	Cisco	Catalyst 3850	2
68	24-port Switch	Nos.	Cisco	2960-X	2
69	Storage (Applications; 10TB)	Nos.	Dell	R730	1
70	Storage (Video feeds; 5.5PB)	Nos.	Dell	ISILON NL 410	1
71	Antivirus Software License	Nos.	Symantic	Endpoint Protection	10
72	RDBMS License	Nos.	WinSvrDCCoreand RDBMS	NA	1
73	24U Network Rack	Nos.	Netrack	24U Rack Frame	1
74	42U Network Rack	Nos.	Netrack	42U Rack	2
75	42U Server Rack	Nos.	Netrack	42U Rack	12
76	Fire Safety System with alarms	Nos.	Bajaj	SCP 3020	1
77	Monitoring Workstations (3 monitors)	Nos.	ACER	Veriton M200 Corei7	10

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Integrated Command and Control Centre (ICCC) – Existing Component List					
Sr. No.	Item Name	UOM	Make	Model	Quantity
78	Indoor Fixed Dome Cameras	Nos.	Lookman	Secura: SIP-20EH437W-D4	1
79	Additional LED Displays	Nos.	LG	LED-55K160GAU	4
80	Touch Monitors	Nos.	LG	84" Touch Screen - 84TR3B	1
81	Monitoring Workstations (3 monitors)	Nos.	ACER	Veriton M200 Corei7	1
82	Indoor Fixed Dome Cameras	Nos.	Lookman	Secura: SIP-20EH437W-D4	1
83	Desktop PCs	Nos.	ACER	Veriton M200 Corei5	15
84	Indoor Fixed Dome Cameras	Nos.	Lookman	Secura: SIP-20EH437W-D4	1
85	LED TVs	Nos.	LG	LED-55K160GAU	1
86	Desktop PCs	Nos.	ACER	Veriton M200 Corei5	1
87	Indoor Fixed Dome Cameras	Nos.	Lookman	Secura: SIP-20EH437W-D4	1
88	Additional LED Displays	Nos.	LG	LED-55K160GAU	2
89	Monitoring Workstations (3 monitors)	Nos.	ACER	Veriton M200 Corei7	1
90	Indoor Fixed Dome Cameras	Nos.	Lookman	Secura: SIP-20EH437W-D4	1
91	Poles including mounting	Nos.	Valmont	Customized	690
92	Gantry including mounting	Nos.	Valmont	Customized	520
93	Junction Box	Nos.	Oorja/Rohan	Customized	215
94	IP Camera (Type A): ANPR	Nos.	Lookman	SIP-20EH5W-BO4 & Illuminator	2142
95	IP Camera (Type A): RLVD	Nos.	Lookman	SIP-120EH5W-BO5S & Illuminator	520
96	IP Camera Type C: PTZ	Nos.	Lookman	SIP-20SH5336W-P5S	304
97	Public Address System	Nos.	Commend	PA System C-AF250I	95
98	Managed Outdoor L2 Switch PoE	Nos.	D-Link	DIS-F200-10PS	250
99	Managed Outdoor L2 Switch PoE (Fiber)	Nos.	D-Link	DIS-F200-10PS	130
100	CCTV Sign Board	Nos.	Vishvam	Approx	563

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Integrated Command and Control Centre (ICCC) – Existing Component List					
Sr. No.	Item Name	UOM	Make	Model	Quantity
101	PA System Software & Licenses	Nos.	Commend	PA System Nos.	1
102	Automatic Voltage Stabilizer	Nos.	APTL	ARROW 3KVA AVR	356
103	Surge Protection Power Strip	Nos.	APTL	ARROW SPD 500 J	356
104	400W Sodium Vapor Lamp --LED	Nos.	Suveg	ACON Smart LED Street Lights - Type 3	4000
105	250W Sodium Vapor Lamp --LED	Nos.	Suveg	ACON Smart LED Street Lights - Type 2	1000
106	150W Sodium Vapor Lamp --LED	Nos.	Suveg	ACON Smart LED Street Lights - Type 1	1000

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14. List of locations

All project locations provided in any project documentation, including any lists or maps, are tentative and indicative only. They are shared to assist bidders in preliminary planning, survey estimation, and budgeting.

The final and binding list of locations will be confirmed only after the contract award and during the joint site survey and design approval process.

SCADL reserves the sole right to modify this list based on project requirements. If any location is deemed unfeasible during the survey, SCADL will provide a suitable alternate location of the same category. The successful bidder shall be obligated to incorporate such changes within the existing project framework and cost.

Indicative list of Entry and Exit Roads of Ahmedabad city for SITC of Cameras:

Sr. No	Police Station Name	Strategic Point for CCTV Installation	Latitude	Longitude
1	Sola High Court	Bhadaj Circle	23.084226	72.493041
2	Sola High Court	Ognaj Circle	23.120838	72.508215
3	Sola High Court	Babylon Club Cut	23.090986	72.495540
4	Sola High Court	New Science City Road	23.107418	72.501570
5	Adalaj	Apollo Bhat Circle, Indira Bridge Airport Main Road	23.116850	72.631299
6	Chandkheda	Cut from SP Ring Road towards Sadi Mata Temple, Motera	23.117900	72.617140
7	Chandkheda	Tapovan Circle	23.118734	72.614124
8	Chandkheda	Cut from SP Ring Road towards TP 44 NY Cinema, Motera	23.120996	72.609695
9	Chandkheda	TP 44 Cut towards Balaji Bungalows	23.123252	72.604351
10	Chandkheda	Cut from SP Ring Road towards TP 44 HB Kapadia School	23.125849	72.698253
11	Chandkheda	Zundal Circle, Main Road Gandhinagar to Chandkheda Bus Stand	23.130457	72.584970
12	Chandkheda	Road from SP Ring Road near Sarvottam Hotel towards Zundal Mukti Dham	23.130697	72.583048
13	Chandkheda	Cut from SP Ring Road towards New Chandkheda near Canal	23.131739	72.575078
14	Chandkheda	Road from SP Ring Road towards Maple Parmeshwar Scheme, Sneha Plaza	23.132313	72.571273
15	Chandkheda	Road from SP Ring Road towards The Hillock Hotel to Tragad	23.132765	72.567393
16	Sabarmati	Road from SP Ring Road near McDonald's Hotel to Tragad	23.133479	72.563025
17	Sabarmati	Main Road from SP Ring Road to Tragad Village, Rainbow Restaurant Cut	23.135109	72.550351
18	Sabarmati	Cut from SP Ring Road towards Gala Havens Scheme, behind Nirma University	23.135573	72.546792

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Sr. No	Police Station Name	Strategic Point for CCTV Installation	Latitude	Longitude
19	Sabarmati	Cut near Zydus Corporate Office towards Tragad Village	23.132817	72.541921
20	Sabarmati	Cut from SG Highway towards Jagatpur Village	23.115018	72.536954
21	Sabarmati	Cut from SG Highway near Sleep Business Building towards Malabar County Scheme	23.126259	72.540026
22	Sabarmati	Cut from SG Highway towards Charodi Village	23.124286	72.549488
23	Sardarnagar	Indira Circle Exit Cameras	23.085800	72.629673
24	Sardarnagar	Airport Road towards Chiloda	23.090292	72.651838
25	Naroda	Toyota Showroom Nana Chiloda	23.098939	72.666962
26	Naroda	Bridge Entry from Himmatnagar to Ahmedabad	23.105989	72.670582
27	Naroda	Chiloda Circle Ring Road under Bridge	23.111294	72.672988
28	Naroda	Naroda Dahegam Road under Bridge	23.089132	72.687046
29	Naroda	Dastan Circle	23.066339	72.688977
30	Naroda	Swarnil Heights Vasant Vihar-2 New Naroda	23.070238	72.687772
31	Naroda	Hanspura Village Road Vasant Vihar-2 New Naroda	23.076787	72.687741
32	Naroda	Gandhinagar Bhat Circle Entry Bridge	23.245277	72.685474
33	Naroda	Exit towards Ahmedabad Karai	23.115638	72.658442
34	Ramol	Adani Circle	22.977730	72.662030
35	Ramol	Vastral Ring Road Crossroads	22.997480	72.662030
36	Ramol	Panjarapole Crossroads	23.008680	72.665030
37	Ramol	Odhav Ring Road Circle	23.025230	72.672980
38	Odhav	On Odhav Bridge	23.025230	72.672980
39	Odhav	On Odhav Bridge	23.031020	72.674330
40	Odhav	Kathwada Crossroads	23.038460	72.677260
41	Nikol	Road towards Gangotri Circle	23.038460	72.677260
42	Nikol	Galaxy Intercity Crossroads	23.052030	72.685010
43	Narol	Vatva Canal opposite Nayara Petrol Pump	22.931475	72.608967
44	Narol	Lambha Cut opposite Omkar Furniture	22.926127	72.574092
45	Vatva	Under Ropda Bridge	22.938546	72.635552
46	Vatva	Gamdi Canal	22.934328	72.621341
47	Vatva	T-Cut towards Bachubhai's Well	22.935926	72.625299
48	Vatva	Parth Indian Petrol Pump	22.935589	72.624171
49	Vatva	T-Cut near Dev Washing towards Vatva Village	22.933108	72.618582
50	Vatva	In front of Parijat Business Center	22.934231	72.618582
51	GIDC Vatva	Hathijan Circle	22.957627	72.656518
52	GIDC Vatva	Saraswati School Crossroads near Vizal Village	22.944254	72.645418
53	GIDC Vatva	Ropda Bridge near Paradise Park SP Ring Road	22.943168	72.643867
54	Bodakdev	Science City Crossroads	23.084261	72.492729
55	Bodakdev	Hebatpur Village Cut	23.0074158	72.489178
56	Bodakdev	Bhadaj Village Cut TP Road	23.0801062	72.490684
57	Bodakdev	Nandoli Shela Cut TP Road	23.0745650	72.488438

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Sr. No	Police Station Name	Strategic Point for CCTV Installation	Latitude	Longitude
58	Bodakdev	Hari Om Paratha Cut after Shela Crossroads	23.0653635	72.485165
59	Sarkhej	Sumukhvila Road	23.039915	72.479884
60	Sarkhej	Rajpath Club Cut	23.036183	72.478976
61	Sarkhej	Ambli Arum Heights	23.032379	72.478723
62	Sarkhej	Ambli Cut	23.028659	72.477189
63	Sarkhej	Ambli Road	23.025674	72.476783
64	Sarkhej	Mumtampura Road	23.018759	72.480136
65	Sarkhej	Karnavati Club Road	23.009622	72.477595
66	Sarkhej	Bakarol Circle	22.937089	72.497819
67	Sarkhej	Bakarol Canal Road	22.938994	72.493331
68	Sarkhej	Bakarol Circle near Kiran Motors	22.953620	72.480843
69	Sarkhej	Sanathal Circle	22.961999	72.475730
70	Sarkhej	Near Mohannagar Sanathal	22.970447	72.474890
71	Sarkhej	Mohannagar Sanathal	22.973942	72.473451
72	Sarkhej	Gir Gaushala Road Sanathal	22.981410	72.471266
73	Sarkhej	Setelsky Road Shantipura	22.983463	72.471396
74	Sarkhej	Shantipura Circle opposite Service Road	22.987571	72.471575
75	Sarkhej	LJ College Road Shantipura	22.991958	72.472328
76	Sarkhej	Applewood Shela Road Pancha Talav Village Shantipura	22.994880	72.472769
77	Sarkhej	Near Surya Project Applewood	22.999384	72.474070
78	Sarkhej	Column 07 Road Shela Cut	23.003329	72.475527
79	Sarkhej	Sobo Center Road Bopal	23.013920	72.479470
80	Sarkhej	Bridge from Sanathal to Shantipura	22.983258	72.471054
81	Sarkhej	Shantipura Circle	22.987532	72.471568
82	Sarkhej	Shantipura Bridge descending towards Bopal	22.995786	72.472533
83	Sarkhej	Shela Village Bopal Cut Bridge	22.995788	72.472496
84	Sarkhej	Kakana Dhaba Crossroads	23.009621	72.477493
85	Sarkhej	Bopal Sun City Cut near Vakil Saheb Overbridge	23.019674	72.479446
86	Sarkhej	Under Satyamev Elite Bridge	23.025674	72.476374
87	Sarkhej	Under Vakil Saheb Bridge	23.028683	72.476847
88	Sarkhej	Opposite Skylight Building	23.033348	72.478117

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Indicative list of Bridge Location Cameras:

Sr. No.	Bridge Name
1	Vinzol Vatva Minor Bridge (Yashod - Ring Road - N. Kharikat Canal)
2	Isanpur Gebanshah Dargah (N. Kharikat Canal)
3	Odhav Fire Station - Near Canal Box Culvert
4	Hatkeshwar Cross Road Flyover Bridge (Four Lane - Chhatrapati Shivaji Maharaj)
5	Garib Awas Indrapuri Ward (Culvert)
6	Jashoda - Ahmedabad Road - Near Nirmani
7	Vatva Lambha Sadani Left Kharikat Canal (Culvert)
8	Level Crossing - 1 IOC Crossing Railway Underbridge (RVNL)
9	Khokhra Railway Overbridge (Near Anupam)
10	Vinoba Bhave Nagar to Vivekanand Nagar
11	Level Crossing - 26 Makraba Crossing
12	Level Crossing - 241 Umabhavani Chanakheda Railway Under bridge
13	Level Crossing - 17 Paldi Jamalpur Railway Underpass
14	Ghodasar Flyover Bridge
15	Level Crossing - 242 IOC Chandkheda Railway Under bridge
16	Level Crossing - 243 D Cabin Sabarmati Railway Under bridge
17	Level Crossing - 2 Chenpur Railway Underbridge

Corrigendum 2 for the RFP for Selection of Implementation Agency for SITC, Operation, and Maintenance of Surveillance System in Ahmedabad City SASA II

Indicative list of Riverfront locations in Ahmedabad city for SITC of Cameras:

સાબરમતી રીવરફ્રન્ટમાં જુદા જુદા સ્થળોએ સી.સી. ટીવી કેમેરા લગાવવાના જરૂરીયાત હોય તે સ્થળોની વિગત

અ.નં.	સ્થળની વિગત	સાઈડ(પૂર્વ/પશ્ચિમ)	રીમાર્ક્સ
૧	બુદ્ધા સ્ટેચ્યુની પાછળના ભાગમાં, ચિલ્ડ્રન પાર્ક પાર્કિંગ એરીયા	પૂર્વ સાઈડ ઉપરનો રોડ	
૨	ચિલ્ડ્રન પાર્ક ગેટ નં. ૩ દિવાલ અને કુટપાથ પાસે	પૂર્વ સાઈડ ઉપરનો રોડ	
૩	ચિલ્ડ્રન પાર્ક ગેટ નં. ૩ ની સામેના કુટપાથ(દિવાલ અને ચિલ્ડ્રન પાર્ક પ્લે એરીયા મેદાન)	પૂર્વ સાઈડ ઉપરનો રોડ	
૪	રેલ્વેબ્રીજ એલ.ઈ.ડી. સ્ક્રીનનું પાર્કિંગ(દિવાલ અને કુટપાથ)	પૂર્વ સાઈડ ઉપરનો રોડ	
૫	નારાયણ ઘાટ ટોઈલેટ એરીયા, નારાયણ ઘાટ સામે(સિક્યોરીટી પોઈન્ટ)	પૂર્વ સાઈડ ઉપરનો રોડ	
૬	નારાયણ ઘાટ થી સુભાષબ્રીજ નીચે કુટપાથ દિવાલ એલ.ઈ.ડી. સ્ક્રીનનો ભાગ	પૂર્વ સાઈડ ઉપરનો રોડ	
૭	સુભાષબ્રીજ નીચે અમુલ પાર્લર પાછળ અને સામેનો ભાગ	પૂર્વ સાઈડ ઉપરનો રોડ	
૮	અમુલ પાર્લરની બાજુમાં (પાર્કિંગ એરીયા)	પૂર્વ સાઈડ ઉપરનો રોડ	
૯	દધિચીબ્રીજ થી ગાંધીબ્રીજ સુધીનો અપર પ્રોમીનાડમાં દિવાલ અને કુટપાથ(લોઅરની સીડીઓ)	પૂર્વ સાઈડ ઉપરનો રોડ	
૧૦	માસ્ટર કોલોનીની સામેના ભાગની કુટપાથ, સીડીઓ, દિવાલ	પૂર્વ સાઈડ ઉપરનો રોડ	
૧૧	વોટર પંપીંગ સ્ટેશનના સામેના ભાગની કુટપાથ(શંકરભુવન મેદાનની સામે)	પૂર્વ સાઈડ ઉપરનો રોડ	
૧૨	કામા હોટલની સામેનો રિવરફ્રન્ટ કુટપાથ તથા સીડી (કામા હોટલની ગલીની સામે)	પૂર્વ સાઈડ ઉપરનો રોડ	
૧૩	લેમન ટ્રી ની સામે હોટલની મોટી કુટપાથ એરીયા ૨૦ નંબરની સીડી	પૂર્વ સાઈડ ઉપરનો રોડ	
૧૪	નેહરુબ્રીજનો નીચેનો ભાગ	પૂર્વ સાઈડ ઉપરનો રોડ	
૧૫	અટલ ઘાટ અપર પ્રોમીનાડ(એલીસબ્રીજ અને નેહરુબ્રીજની વચ્ચે)	પૂર્વ સાઈડ ઉપરનો રોડ	
૧૬	ગુજરી બજાર (વિક્ટોરીયા રેમ્પની કુટપાથ, વિક્ટોરીયા રેમ્પની સમોની દિવાલ, નહીસભાઈની ઓફિસ સામે(કુટપાથ-દિવાલ), રાયબડ દરવાજાથી ટોઈલેટ નંબર ૧ ની સામેની કુટપાથ)	પૂર્વ સાઈડ ઉપરનો રોડ	
૧૭	એલીસબ્રીજ સર્કલ પરની કુટપાથ અને મેદાન એલીસબ્રીજ સર્કલ પાસેની લીફ્ટ	પૂર્વ સાઈડ ઉપરનો રોડ	
૧૮	ગુજરી બજાર ટોઈલેટની સામે ઉપરની કુટપાથ ટોઈલેટ નં. ૨ સીડીમાં	પૂર્વ સાઈડ ઉપરનો રોડ	
૧૯	એલીસબ્રીજ સર્કલ થી સરદારબ્રીજ સર્કલ સુધીની કુટપાથ, અપર પ્રોમીનાડ	પૂર્વ સાઈડ ઉપરનો રોડ	
૨૦	ડીપલાઈન કુટપાથ અને લવલવી મસ્જીદની સામે	પૂર્વ સાઈડ ઉપરનો રોડ	
૨૧	આઈ.પી. મિશન કમ્પ્લેક્સ સામેની કુટપાથ	પૂર્વ સાઈડ ઉપરનો રોડ	
૨૨	ખોડીયાર નગર રાજા રહીમ ટેકરાની સામેની કુટપાથ પર અપર પ્રોમીનાડ	પૂર્વ સાઈડ ઉપરનો રોડ	
૨૩	આંબેડકરબ્રીજની નીચે, ઉપરના રોડ પર	પૂર્વ સાઈડ ઉપરનો રોડ	
૨૪	ઈન્દીરાબ્રીજ નીચે ઉપરનો વિસ્તાર બન્ને સાઈડ	પૂર્વ સાઈડ ઉપરનો રોડ	
૨૫	સરદારબ્રીજ સર્કલ	પૂર્વ સાઈડ ઉપરનો રોડ	
૨૬	ગાંધીબ્રીજ પાસે ઉપરનો બંધ વિસ્તાર પડતર વિસ્તાર	પૂર્વ સાઈડ ઉપરનો રોડ	
૨૭	ફનાળા સર્કલ	પૂર્વ સાઈડ ઉપરનો રોડ	
૨૮	પિકનીક હાઉસ પાસે કોસીંગ	પૂર્વ સાઈડ ઉપરનો રોડ	
૨૯	બહુચર માતાના મંદિર પાસેની ચાલી પાસે	પૂર્વ સાઈડ ઉપરનો રોડ	
૩૦	કામા હોટલની પાછળની ચાલીનો વિસ્તાર(ખાડા વાળો કાચો ભાગ)	પૂર્વ સાઈડ ઉપરનો રોડ	
૩૧	માસ્ટર કોલોની એપ્રોચ રોડ	પૂર્વ સાઈડ ઉપરનો રોડ	
૩૨	સરદારબ્રીજ થી આંબેડકરબ્રીજ સુધી (રામ રહીમનો ટેકરો, વઢીયારી વાસ, ખોડીયારનગરની ચાલી વિગેરે)	પૂર્વ સાઈડ ઉપરનો રોડ	
૩૩	ગાંધીબ્રીજ સાયકલ ટ્રેક	પૂર્વ સાઈડ ઉપરનો રોડ	
૩૪	સરદારબ્રીજ સાયકલ ટ્રેક	પૂર્વ સાઈડ ઉપરનો રોડ	
૩૫	મેટ્રોબ્રીજ નીચે, શંકરભુવન પાસેનો ખુલ્લા પ્લોટનો વિસ્તાર	પૂર્વ સાઈડ ઉપરનો રોડ	
૩૬	કુલબજાર ટર્નિંગ અને ખુલ્લો પ્લોટ	પૂર્વ સાઈડ ઉપરનો રોડ	
૩૭	ઈન્દીરાબ્રીજ નીચે ઘાટનો બન્ને સાઈડનો વિસ્તાર	પૂર્વ સાઈડ લોઅર પ્રોમીનાડ	
૩૮	ચિલ્ડ્રન પાર્કના છેડા થી ફેઝ-૨નો વિસ્તાર	પૂર્વ સાઈડ લોઅર પ્રોમીનાડ	
૩૯	રેલ્વેબ્રીજ થી ચિલ્ડ્રન પાર્કના છેડા સુધી	પૂર્વ સાઈડ લોઅર પ્રોમીનાડ	
૪૦	રેલ્વેબ્રીજની નીચે	પૂર્વ સાઈડ લોઅર પ્રોમીનાડ	
૪૧	નારાયણ ઘાટ દિવાલ	પૂર્વ સાઈડ લોઅર પ્રોમીનાડ	
૪૨	દધિચીબ્રીજની નીચે (દિવાલ-કુટપાથ)	પૂર્વ સાઈડ લોઅર પ્રોમીનાડ	
૪૩	દધિચીબ્રીજ પછીની સીડી નં. ૧૪, ૧૫, ૧૬	પૂર્વ સાઈડ લોઅર પ્રોમીનાડ	
૪૪	ઘાટ નં. ૦૭, ગાંધીબ્રીજ રેમ્પ(માસ્ટર કોલોની સામે)	પૂર્વ સાઈડ લોઅર પ્રોમીનાડ	
૪૫	ગાંધીબ્રીજની નીચે	પૂર્વ સાઈડ લોઅર પ્રોમીનાડ	
૪૬	મેટ્રોબ્રીજની નીચે મેટ્રો રેમ્પ	પૂર્વ સાઈડ લોઅર પ્રોમીનાડ	
૪૭	૧૦-નંબર ઘાટ અને ઘાટ પાસેની સીડીઓ	પૂર્વ સાઈડ લોઅર પ્રોમીનાડ	
૪૮	નેહરુબ્રીજની નીચે	પૂર્વ સાઈડ લોઅર પ્રોમીનાડ	
૪૯	અટલબ્રીજ અને એલીસબ્રીજ વચ્ચેની લીફ્ટ વાળો ભાગ	પૂર્વ સાઈડ લોઅર પ્રોમીનાડ	
૫૦	અટલ ઘાટ આસપાસ(સીડીઓ-દિવાલો)	પૂર્વ સાઈડ લોઅર પ્રોમીનાડ	
૫૧	એલિસબ્રીજની નીચે અને સીડીઓ	પૂર્વ સાઈડ લોઅર પ્રોમીનાડ	
૫૨	અટલબ્રીજ નીચે અટલબ્રીજ ઘાટ અને આજુબાજુની સીડીઓ	પૂર્વ સાઈડ લોઅર પ્રોમીનાડ	
૫૩	સરદારબ્રીજ નીચે	પૂર્વ સાઈડ લોઅર પ્રોમીનાડ	
૫૪	ડીપ લાઈન સિક્યોરીટી પોઈન્ટ નીચે, નદીના રેમ્પ પાસે	પૂર્વ સાઈડ લોઅર પ્રોમીનાડ	
૫૫	ખોડીયાર નગર બ્રીજની નીચે	પૂર્વ સાઈડ લોઅર પ્રોમીનાડ	

Corrigendum 2 for the RFP for Selection of Implementation Agency for SITC, Operation, and Maintenance of Surveillance System in Ahmedabad City SASA II

અ.નં.	સ્થળની વિગત	સાઈડ(પૂર્વ/પશ્ચિમ)	રીમાર્ક્સ
૫૬	આઈ.પી.મિશન કબ્રસ્તાન સામેની ફુટપાથ	પૂર્વ સાઈડ લોઅર પ્રોમીનાડ	
૫૭	સપ્તર્ષિ ઘાટ પાસે અને સીડીઓ	પૂર્વ સાઈડ લોઅર પ્રોમીનાડ	
૫૮	સપ્તર્ષિ ઘાટ થી વાસણા બેરેજ સુધી	પૂર્વ સાઈડ લોઅર પ્રોમીનાડ	
૫૯	વાજ એન્ટી થી અંદર દશામાં મંદિર સામે અપર પ્રોમીનાડ , દધિચીબ્રીજના પિલ્લર	પશ્ચિમ સાઈડ ઉપરનો રોડ	
૬૦	મન્નત પાર્લર પાસે અને સામેના ભાગમાં અપર પ્રોમીનાડ	પશ્ચિમ સાઈડ ઉપરનો રોડ	
૬૧	વાજ ટોઈલેટ પાસે અપર પ્રોમીનાડ	પશ્ચિમ સાઈડ ઉપરનો રોડ	
૬૨	ઉસ્માનપુરા ગાર્ડનના ખુણામાં-વિક્રમ સારાભાઈની પ્રતિમા સામે	પશ્ચિમ સાઈડ ઉપરનો રોડ	
૬૩	ઉસ્માનપુરા ગાર્ડન ગેટની આગળ	પશ્ચિમ સાઈડ ઉપરનો રોડ	
૬૪	ઉસ્માનપુરા ગાર્ડન થી ઉદાસીન આશ્રમ સુધી, ચાલી વિસ્તાર અને ફુટપાથ અને સર્વિસ રોડ	પશ્ચિમ સાઈડ ઉપરનો રોડ	
૬૫	મેટ્રોબ્રીજ નીચે, લાઈટની ડ્રીપી સાઈડ	પશ્ચિમ સાઈડ ઉપરનો રોડ	
૬૬	ભાટા ટોઈલેટ પાસે અપર પ્રોમીનાડ	પશ્ચિમ સાઈડ ઉપરનો રોડ	
૬૭	વલ્લભસદન ટોઈલેટ પાસે સીડી નં. ૩૦, ૩૧, ૩૨, ૩૩ તેમજ લિફ્ટ	પશ્ચિમ સાઈડ ઉપરનો રોડ	
૬૮	રિવરફ્રન્ટ હાઉસ પાછળ અપર પ્રોમીનાડ તેમજ આગળના ભાગમાં	પશ્ચિમ સાઈડ ઉપરનો રોડ	
૬૯	નેહરુબ્રીજ થી એલીસબ્રીજ સુધી અપર પ્રોમીનાડ તેમજ રેમ્પ પાસે	પશ્ચિમ સાઈડ ઉપરનો રોડ	
૭૦	વલ્લભસદન ચાર રસ્તા	પશ્ચિમ સાઈડ ઉપરનો રોડ	
૭૧	એલીસબ્રીજ ચાર રસ્તા	પશ્ચિમ સાઈડ ઉપરનો રોડ	
૭૨	અટલબ્રીજ ગેટ નં. ૩ પાસે	પશ્ચિમ સાઈડ ઉપરનો રોડ	
૭૩	સરદારબ્રીજ પોલીસ સ્ટેશન પાસે સિક્યોરીટી પોઈન્ટ તેમજ મેઈન રોડ ફુટપાથ	પશ્ચિમ સાઈડ ઉપરનો રોડ	
૭૪	આંબેડકરબ્રીજની નીચે	પશ્ચિમ સાઈડ ઉપરનો રોડ	
૭૫	અદાણી સ્પોર્ટ્સ સંકુલ અપર પ્રોમીનાડ	પશ્ચિમ સાઈડ ઉપરનો રોડ	
૭૬	ગાંધીબ્રીજ સાયકલ ટ્રેક	પશ્ચિમ સાઈડ ઉપરનો રોડ	
૭૭	આંબેડકરબ્રીજ નીચે અને રેમ્પ પાસે	પશ્ચિમ સાઈડ લોઅર પ્રોમીનાડ	
૭૮	સી પ્લેન ઓફિસ પાછળ ઘાટ થી સરદારબ્રીજ સુધી	પશ્ચિમ સાઈડ લોઅર પ્રોમીનાડ	
૭૯	સરદારબ્રીજ પ્લાઝા પાર્કિંગ એરીયા	પશ્ચિમ સાઈડ લોઅર પ્રોમીનાડ	
૮૦	સરદારબ્રીજ નીચે થી રીવરફ્રન્ટ સુધી	પશ્ચિમ સાઈડ લોઅર પ્રોમીનાડ	
૮૧	રીવરફ્રન્ટ થી અટલબ્રીજ નીચેનો ઘાટ અને સીડીઓ સુધીમાં	પશ્ચિમ સાઈડ લોઅર પ્રોમીનાડ	
૮૨	અટલબ્રીજ થી એલીસબ્રીજ સુધી	પશ્ચિમ સાઈડ લોઅર પ્રોમીનાડ	
૮૩	એલીસબ્રીજ થી નેહરુબ્રીજ સુધી	પશ્ચિમ સાઈડ લોઅર પ્રોમીનાડ	
૮૪	નેહરુબ્રીજ થી ગાંધીબ્રીજ સુધી	પશ્ચિમ સાઈડ લોઅર પ્રોમીનાડ	
૮૫	ઉસ્માનપુરા બોટીંગ પોઈન્ટ થી આગળની બેઠકો વાળો વિસ્તાર	પશ્ચિમ સાઈડ લોઅર પ્રોમીનાડ	
૮૬	ગાંધીબ્રીજ થી દધિચીબ્રીજ સુધી	પશ્ચિમ સાઈડ લોઅર પ્રોમીનાડ	
૮૭	વાજ ટર્નિંગ નીચેની સીડીઓ અને મીડલ પ્રોમીનાડ	પશ્ચિમ સાઈડ લોઅર પ્રોમીનાડ	
૮૮	દાંડીબ્રીજના નાળાનો ભાગ	પશ્ચિમ સાઈડ લોઅર પ્રોમીનાડ	
૮૯	ગાંધીઆશ્રમની પાછળનો વિસ્તાર	પશ્ચિમ સાઈડ લોઅર પ્રોમીનાડ	
૯૦	દધિચીબ્રીજ થી સુભાષબ્રીજ સુધી	પશ્ચિમ સાઈડ લોઅર પ્રોમીનાડ	
૯૧	સુભાષબ્રીજ નીચે ઓપન એરીયા અને રેમ્પ	પશ્ચિમ સાઈડ લોઅર પ્રોમીનાડ	
૯૨	રેલ્વેબ્રીજ નીચે	પશ્ચિમ સાઈડ લોઅર પ્રોમીનાડ	
૯૩	રેલ્વેબ્રીજ થી ટોરેન્ટ પાવરના છોડા સુધીનો વિસ્તાર	પશ્ચિમ સાઈડ લોઅર પ્રોમીનાડ	
૯૪	આંબેડકરબ્રીજ ઉપર	પૂર્વ - પશ્ચિમ	
૯૫	સરદારબ્રીજ ઉપર	પૂર્વ - પશ્ચિમ	
૯૬	એલીસબ્રીજ ઉપર	પૂર્વ - પશ્ચિમ	
૯૭	નેહરુબ્રીજ ઉપર	પૂર્વ - પશ્ચિમ	
૯૮	ગાંધીબ્રીજ ઉપર	પૂર્વ - પશ્ચિમ	
૯૯	દધિચીબ્રીજ ઉપર	પૂર્વ - પશ્ચિમ	
૧૦૦	સુભાષબ્રીજ ઉપર	પૂર્વ - પશ્ચિમ	
૧૦૧	ભાવોદાયવર્સિટી પાર્ક	પશ્ચિમ સાઈડ	
૧૦૨	ઈવેન્ટ સેન્ટર	પશ્ચિમ સાઈડ	
૧૦૩	ફલાવર પાર્ક	પશ્ચિમ સાઈડ	
૧૦૪	ઉસ્માનપુરા ગાર્ડન	પશ્ચિમ સાઈડ	
૧૦૫	બી.જે.પાર્ક	પશ્ચિમ સાઈડ	
૧૦૬	ચિહ્ન પાર્ક	પૂર્વ સાઈડ	
૧૦૭	સુભાષબ્રીજ ગાર્ડન	પૂર્વ સાઈડ	
૧૦૮	એન.આઈ.ડી.ગ્રાઉન્ડ	પશ્ચિમ સાઈડ	
૧૦૯	ઈવેન્ટ સેન્ટર સામેનું ગ્રાઉન્ડ	પશ્ચિમ સાઈડ	
૧૧૦	મલ્ટીલેવલ પાર્કિંગ પાસેનું ગ્રાઉન્ડ	પશ્ચિમ સાઈડ	
૧૧૧	વલ્લભસદન ગ્રાઉન્ડ	પશ્ચિમ સાઈડ	
૧૧૨	અટલબ્રીજ પાસેના બન્ને ગ્રાઉન્ડ	પૂર્વ સાઈડ	
૧૧૩	નેહરુબ્રીજ પાસે લેમન ટ્રી પાછળનું ગ્રાઉન્ડ	પૂર્વ સાઈડ	
૧૧૪	દધિચીબ્રીજ પાસે અને સામેના બન્ને ગ્રાઉન્ડ	પૂર્વ સાઈડ	
૧૧૫	મસ્તરકોલોની ગ્રાઉન્ડ	પૂર્વ સાઈડ	
	કુલ		

Corrigendum 2 for the RFP for Selection of Implementation Agency for SITC, Operation, and Maintenance of Surveillance System in Ahmedabad City SASA II

Indicative list of Shelter locations in Ahmedabad city for SITC of Cameras:

#	Area	Width FT	Height FT	SQFT	Bus Shelter Grade
1	Adalaj	20	6	120	C
2	Airport Road	20	6	120	C
3	Airport Road	20	6	120	C
4	Airport Road	20	6	120	C
5	Airport Road	20	6	120	C
6	Airport Road	20	6	120	C
7	Airport Road	20	6	120	C
8	Akhbarnagar	20	6	120	C
9	Ambawadi	20	6	120	B
10	Ambawadi	20	6	120	B
11	Ambawadi	20	6	120	B
12	Ambawadi	20	6	120	B
13	Ambawadi	20	6	120	B
14	Ambawadi	20	6	120	B
15	Ambli - Bopal Road	20	6	120	B
16	Ambli - Bopal Road	20	6	120	B
17	Ambli - Bopal Road	20	6	120	B
18	Ambli - Bopal Road	20	6	120	B
19	Ambli - Bopal Road	20	6	120	B
20	Ambli - Bopal Road	20	6	120	B
21	Ambli - Bopal Road	20	6	120	B
22	Ambli - Bopal Road	20	6	120	B
23	Ambli - Bopal Road	20	6	120	B
24	Amdupura	20	6	120	C
25	Amdupura	20	6	120	C
26	Amraiwadi	20	6	120	C
27	Anjali Circle	20	6	120	B
28	Ashram Road	20	6	120	C
29	Ashram Road	20	6	120	C
30	Ashram Road	20	6	120	C
31	Ashram Road	20	6	120	C
32	Ashram Road	20	6	120	C
33	Ashram Road	20	6	120	C
34	Ashram Road	20	6	120	C
35	Ashram Road	20	6	120	C
36	Ashram Road	20	6	120	C
37	Ashram Road	20	6	120	C
38	Ashram Road	20	6	120	C
39	Ashram Road	20	6	120	C
40	Ashram Road	20	6	120	C
41	Ashram Road	20	6	120	C
42	Ashram Road	20	6	120	C

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#	Area	Width FT	Height FT	SQFT	Bus Shelter Grade
43	Ashram Road	20	6	120	C
44	Ashram Road	20	6	120	C
45	Ashram Road	20	6	120	C
46	Ashram Road	20	6	120	C
47	Ashram Road	20	6	120	C
48	Ashram Road	20	6	120	C
49	Ashram Road	20	6	120	C
50	Ashram Road	20	6	120	C
51	Ashram Road	20	6	120	C
52	Ashram Road	20	6	120	C
53	Ashram Road	20	6	120	C
54	Ashram Road	20	6	120	C
55	Ashram Road	20	6	120	C
56	Ashram Road	20	6	120	C
57	Ashram Road	20	6	120	C
58	Ashram Road	20	6	120	C
59	Ashram Road	20	6	120	C
60	Ashram Road	20	6	120	C
61	Ashram Road	20	6	120	C
62	Ashram Road	20	6	120	C
63	Astodia Darwaja	20	6	120	C
64	Astodia Darwaja	20	6	120	C
65	Astodia Darwaja	20	6	120	C
66	Bapunagar	20	6	120	C
67	Bapunagar	20	6	120	C
68	Bapunagar	20	6	120	C
69	Bapunagar	20	6	120	C
70	Bapunagar	20	6	120	C
71	Bapunagar	20	6	120	C
72	Bhuyangdev	20	6	120	C
73	Bhuyangdev	20	6	120	C
74	Bhuyangdev	20	6	120	C
75	Bodakdev	20	6	120	B
76	Bodakdev	20	6	120	B
77	Bopal - Ghuma Road	20	6	120	B
78	Bopal - Ghuma Road	20	6	120	B
79	Bopal - Ghuma Road	20	6	120	B
80	Bopal - Ghuma Road	20	6	120	B
81	Bopal - Ghuma Road	20	6	120	B
82	Bopal - Ghuma Road	20	6	120	B
83	CTM	20	6	120	C
84	CTM	20	6	120	C
85	CTM	20	6	120	C
86	CTM	20	6	120	C

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#	Area	Width FT	Height FT	SQFT	Bus Shelter Grade
87	CTM	20	6	120	C
88	CTM	20	6	120	C
89	Chanakyapuri	20	6	120	C
90	Chanakyapuri	20	6	120	C
91	Chanakyapuri	20	6	120	C
92	Chanakyapuri	20	6	120	C
93	Chanakyapuri	20	6	120	C
94	Chanakyapuri	20	6	120	C
95	Chandkheda	20	6	120	C
96	Chandkheda	20	6	120	C
97	Chandkheda	20	6	120	C
98	Chandkheda	20	6	120	C
99	Chandkheda	20	6	120	C
100	Chandkheda	20	6	120	C
101	Chandkheda	20	6	120	C
102	Chandkheda	20	6	120	C
103	Chandkheda	20	6	120	C
104	Chandkheda	20	6	120	C
105	Chandkheda	20	6	120	C
106	Chandkheda	20	6	120	C
107	Chandlodia	20	6	120	C
108	Chandlodia	20	6	120	C
109	Chandra Nagar	20	6	120	C
110	Chharodi	20	6	120	C
111	Chharodi	20	6	120	C
112	Civil	20	6	120	C
113	Civil	20	6	120	C
114	Civil	20	6	120	C
115	Civil	20	6	120	C
116	Civil	20	6	120	C
117	Civil	20	6	120	C
118	Commerce College	20	6	120	B
119	Commerce College	20	6	120	B
120	Commerce College	20	6	120	B
121	Commerce College	20	6	120	B
122	Commerce College	20	6	120	B
123	Commerce College	20	6	120	B
124	Commerce College	20	6	120	B
125	Commerce College	20	6	120	B
126	Dariyapur Darwaja	20	6	120	C
127	Dariyapur Darwaja	20	6	120	C
128	Darpan	20	6	120	C
129	Darpan	20	6	120	C
130	Darpan Circle	20	6	120	C

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#	Area	Width FT	Height FT	SQFT	Bus Shelter Grade
131	Darpan Circle	20	6	120	C
132	Delhi Darwaja	20	6	120	C
133	Delhi Darwaja	20	6	120	C
134	Delhi Darwaja	20	6	120	C
135	Delhi Darwaja	20	6	120	C
136	Dharnidhar Road	20	6	120	C
137	Drive In Road	20	6	120	B
138	Drive In Road	20	6	120	B
139	Drive In Road	20	6	120	B
140	Drive In Road	20	6	120	B
141	Drive In Road	20	6	120	B
142	Drive In Road	20	6	120	B
143	Drive In Road	20	6	120	B
144	Drive In Road	20	6	120	B
145	Drive In Road	20	6	120	B
146	Drive In Road	20	6	120	B
147	Drive In Road	20	6	120	B
148	Drive In Road	20	6	120	B
149	Drive In Road	20	6	120	B
150	Drive In Road	20	6	120	B
151	Gandhi Road	20	6	120	C
152	Geeta Mandir	20	6	120	B
153	Ghatlodia	20	6	120	C
154	Ghatlodia	20	6	120	C
155	Ghatlodia	20	6	120	C
156	Ghodasar	20	6	120	C
157	Ghodasar	20	6	120	C
158	Girdharnagar	20	6	120	C
159	Gomtipur	20	6	120	C
160	Gota	20	6	120	C
161	Gota Road	20	6	120	C
162	Gota Road	20	6	120	C
163	Gota Road	20	6	120	C
164	Gujarat College	20	6	120	C
165	Gurukul - Subhash Chowk Road	20	6	120	C
166	Gurukul - Subhash Chowk Road	20	6	120	C
167	Gurukul - Subhash Chowk Road	20	6	120	C
168	Hathijan	20	6	120	C
169	Hatkeshwar - Khokhra	20	6	120	C
170	Hatkeshwar - Khokhra	20	6	120	C
171	Hatkeshwar - Khokhra	20	6	120	C
172	Hatkeshwar - Khokhra	20	6	120	C
173	Hatkeshwar - Khokhra	20	6	120	C
174	Hatkeshwar - Khokhra	20	6	120	C

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#	Area	Width FT	Height FT	SQFT	Bus Shelter Grade
175	Hebatpur	20	6	120	C
176	Hebatpur	20	6	120	C
177	Hebatpur	20	6	120	C
178	Hebatpur	20	6	120	C
179	Hebatpur	20	6	120	C
180	Hebatpur	20	6	120	C
181	Hebatpur	20	6	120	C
182	Hebatpur	20	6	120	C
183	Hebatpur	20	6	120	C
184	Hebatpur	20	6	120	C
185	Hebatpur	20	6	120	C
186	IIM Road	20	6	120	B
187	IIM Road	20	6	120	B
188	IIM Road	20	6	120	B
189	IIM Road	20	6	120	B
190	IIM Road	20	6	120	B
191	IOC Road	20	6	120	C
192	IOC Road	20	6	120	C
193	IOC Road	20	6	120	C
194	Isanpur	20	6	120	C
195	Isanpur - Vatva	20	6	120	C
196	Isanpur - Vatva	20	6	120	C
197	Jagatpur	20	6	120	C
198	Jagatpur	20	6	120	C
199	Jagatpur	20	6	120	C
200	Jagatpur	20	6	120	C
201	Jagatpur	20	6	120	C
202	Jamalpur	20	6	120	C
203	Jamalpur	20	6	120	C
204	Jamalpur	20	6	120	C
205	Jantanagar Road	20	6	120	C
206	Jantanagar Road	20	6	120	C
207	Jantanagar Road	20	6	120	C
208	Jantanagar Road	20	6	120	C
209	Jashodanagar	20	6	120	C
210	Jashodanagar	20	6	120	C
211	Jivraj Park	20	6	120	C
212	Jodhpur Road	20	6	120	C
213	Jodhpur Road	20	6	120	C
214	Jodhpur Road	20	6	120	C
215	Judges Bunglow Road	20	6	120	B
216	Judges Bunglow Road	20	6	120	B
217	Judges Bunglow Road	20	6	120	B
218	Judges Bunglow Road	20	6	120	B

Corrigendum 2 for the RFP for Selection of Implementation Agency for SITC, Operation, and Maintenance of Surveillance System in Ahmedabad City SASA II

#	Area	Width FT	Height FT	SQFT	Bus Shelter Grade
219	Judges Bungalow Road	20	6	120	B
220	Kalupur	20	6	120	C
221	Kalupur	20	6	120	C
222	Kalupur	20	6	120	C
223	Keshavbaug Road	20	6	120	A
224	Keshavbaug Road	20	6	120	A
225	Keshavbaug Road	20	6	120	A
226	Keshavbaug Road	20	6	120	A
227	Keshavbaug Road	20	6	120	A
228	Khamasa	20	6	120	C
229	Khanpur Chowkdi	20	6	120	C
230	Kotarpur	20	6	120	C
231	Kotarpur	20	6	120	C
232	Kotarpur	20	6	120	C
233	Krishnanagar	20	6	120	C
234	Krishnanagar	20	6	120	C
235	Lal Darwaja	20	6	120	C
236	Lal Darwaja	20	6	120	C
237	Lal Darwaja	20	6	120	C
238	Lal Darwaja	20	6	120	C
239	Lal Darwaja	20	6	120	C
240	Lal Darwaja	20	6	120	C
241	Lal Darwaja	20	6	120	C
242	Lal Darwaja	20	6	120	C
243	Lal Darwaja	20	6	120	C
244	Lal Darwaja	20	6	120	C
245	Lal Darwaja	20	6	120	C
246	Lal Darwaja	20	6	120	C
247	Lal Darwaja	20	6	120	C
248	Lal Darwaja	20	6	120	C
249	Law Garden	20	6	120	C
250	Law Garden	20	6	120	C
251	Law Garden	20	6	120	C
252	Lilanagar	20	6	120	C
253	Lilanagar	20	6	120	C
254	Maninagar	20	6	120	C
255	Maninagar	20	6	120	C
256	Maninagar	20	6	120	C
257	Maninagar	20	6	120	C
258	Maninagar	20	6	120	C
259	Maninagar	20	6	120	C
260	Maninagar	20	6	120	C
261	Maninagar	20	6	120	C
262	Maninagar	20	6	120	C

Corrigendum 2 for the RFP for Selection of Implementation Agency for SITC, Operation, and Maintenance of Surveillance System in Ahmedabad City SASA II

#	Area	Width FT	Height FT	SQFT	Bus Shelter Grade
263	Maninagar	20	6	120	C
264	Maninagar	20	6	120	C
265	Maninagar	20	6	120	C
266	Maninagar	20	6	120	C
267	Maninagar	20	6	120	C
268	Maninagar	20	6	120	C
269	Maninagar	20	6	120	C
270	Maninagar	20	6	120	C
271	Maninagar	20	6	120	C
272	Maninagar	20	6	120	C
273	Maninagar	20	6	120	C
274	Maninagar	20	6	120	C
275	Maninagar	20	6	120	C
276	Maninagar	20	6	120	C
277	Maninagar	20	6	120	C
278	Maninagar	20	6	120	C
279	Maninagar	20	6	120	C
280	Mansi Cross Road	20	6	120	B
281	Mansi Cross Road	20	6	120	B
282	Mansi Cross Road	20	6	120	B
283	Mansi Cross Road	20	6	120	B
284	Meghaninagar	20	6	120	C
285	Meghaninagar	20	6	120	C
286	Memco Road	20	6	120	C
287	Memco Road	20	6	120	C
288	Memnagar	20	6	120	C
289	Mithakhali	20	6	120	C
290	Mithakhali	20	6	120	C
291	Mithakhali	20	6	120	C
292	Mithakhali	20	6	120	C
293	Mithakhali	20	6	120	C
294	Mithakhali	20	6	120	C
295	Mithakhali	20	6	120	C
296	Motera Road	20	6	120	C
297	Motera Road	20	6	120	C
298	Nana Chiloda	20	6	120	C
299	Naranpura	20	6	120	C
300	Naranpura	20	6	120	C
301	Naranpura	20	6	120	C
302	Naranpura	20	6	120	C
303	Naranpura	20	6	120	C
304	Naranpura	20	6	120	C
305	Naranpura	20	6	120	C
306	Naranpura	20	6	120	C

Corrigendum 2 for the RFP for Selection of Implementation Agency for SITC, Operation, and Maintenance of Surveillance System in Ahmedabad City SASA II

#	Area	Width FT	Height FT	SQFT	Bus Shelter Grade
307	Naranpura	20	6	120	C
308	Naranpura	20	6	120	C
309	Naranpura	20	6	120	C
310	Naranpura	20	6	120	C
311	Naranpura	20	6	120	C
312	Naranpura	20	6	120	C
313	Naranpura	20	6	120	C
314	Naranpura	20	6	120	C
315	Naranpura	20	6	120	C
316	Naranpura	20	6	120	C
317	Naroda	20	6	120	C
318	Naroda	20	6	120	C
319	Naroda	20	6	120	C
320	Naroda	20	6	120	C
321	Naroda	20	6	120	C
322	Naroda	20	6	120	C
323	Navrang Circle	20	6	120	C
324	Navrang Circle	20	6	120	C
325	Navrang Circle	20	6	120	C
326	Navrangpura	20	6	120	C
327	Navrangpura	20	6	120	C
328	Navrangpura	20	6	120	C
329	Navrangpura	20	6	120	C
330	Nehrunagar	20	6	120	B
331	Nehrunagar	20	6	120	B
332	New CG Road	20	6	120	C
333	New CG Road	20	6	120	C
334	New CG Road	20	6	120	C
335	New CG Road	20	6	120	C
336	New CG Road	20	6	120	C
337	New CG Road	20	6	120	C
338	New CG Road	20	6	120	C
339	New Ranip	20	6	120	C
340	New Ranip	20	6	120	C
341	Nikol	20	6	120	C
342	Nikol Road	20	6	120	C
343	Nikol Road	20	6	120	C
344	Nikol Road	20	6	120	C
345	Nikol Road	20	6	120	C
346	Nikol Road	20	6	120	C
347	Nikol Road	20	6	120	C
348	Nikol Road	20	6	120	C
349	Nikol Road	20	6	120	C
350	Nikol Road	20	6	120	C

Corrigendum 2 for the RFP for Selection of Implementation Agency for SITC, Operation, and Maintenance of Surveillance System in Ahmedabad City SASA II

#	Area	Width FT	Height FT	SQFT	Bus Shelter Grade
351	Nikol Road	20	6	120	C
352	Nikol Road	20	6	120	C
353	Nirnaynagar	20	6	120	C
354	Odhav	20	6	120	C
355	Odhav	20	6	120	C
356	Odhav	20	6	120	C
357	Odhav	20	6	120	C
358	Odhav	20	6	120	C
359	Off CG Road	20	6	120	B
360	Off CG Road	20	6	120	B
361	Off CG Road	20	6	120	B
362	Off CG Road	20	6	120	B
363	Off CG Road	20	6	120	B
364	Off CG Road	20	6	120	B
365	Off CG Road	20	6	120	B
366	Off CG Road	20	6	120	B
367	Off CG Road	20	6	120	B
368	Off CG Road	20	6	120	B
369	Off CG Road	20	6	120	B
370	Off CG Road	20	6	120	B
371	Off CG Road	20	6	120	B
372	Off CG Road	20	6	120	B
373	Off CG Road	20	6	120	B
374	Off Judges Bunglow Road	20	6	120	B
375	Off Judges Bunglow Road	20	6	120	B
376	Off Judges Bunglow Road	20	6	120	B
377	Off Judges Bunglow Road	20	6	120	B
378	Paldi	20	6	120	C
379	Paldi	20	6	120	C
380	Paldi	20	6	120	C
381	Paldi	20	6	120	C
382	Paldi	20	6	120	C
383	Paldi	20	6	120	C
384	Paldi	20	6	120	C
385	Paldi	20	6	120	C
386	Paldi	20	6	120	C
387	Paldi	20	6	120	C
388	Paldi NID	20	6	120	C
389	Paldi NID	20	6	120	C
390	Paldi NID	20	6	120	C
391	Paldi NID	20	6	120	C
392	Paldi NID	20	6	120	C
393	Paldi NID	20	6	120	C
394	Panchwati	20	6	120	B

Corrigendum 2 for the RFP for Selection of Implementation Agency for SITC, Operation, and Maintenance of Surveillance System in Ahmedabad City SASA II

#	Area	Width FT	Height FT	SQFT	Bus Shelter Grade
395	Panjrapole	20	6	120	B
396	Panjrapole	20	6	120	B
397	Panjrapole	20	6	120	B
398	Panjrapole	20	6	120	B
399	Panjrapole	20	6	120	B
400	Paras Nagar	20	6	120	C
401	Paras Nagar	20	6	120	C
402	Paras Nagar	20	6	120	C
403	Parimal	20	6	120	C
404	Polytechnic Road	20	6	120	B
405	Polytechnic Road	20	6	120	B
406	Polytechnic Road	20	6	120	B
407	Polytechnic Road	20	6	120	B
408	Prahladnagar	20	6	120	A
409	Prahladnagar	20	6	120	A
410	Prahladnagar	20	6	120	A
411	Prahladnagar	20	6	120	A
412	Prahladnagar	20	6	120	A
413	Prahladnagar	20	6	120	A
414	Prahladnagar	20	6	120	A
415	Prahladnagar	20	6	120	A
416	Prahladnagar	20	6	120	A
417	Prahladnagar	20	6	120	A
418	Prahladnagar	20	6	120	A
419	Prahladnagar	20	6	120	A
420	Prahladnagar	20	6	120	A
421	Prahladnagar	20	6	120	A
422	Prahladnagar	20	6	120	A
423	Prem Darwaja	20	6	120	B
424	Prernatirth Derasar Road	20	6	120	B
425	Prernatirth Derasar Road	20	6	120	B
426	Prernatirth Derasar Road	20	6	120	B
427	Rabari Colony	20	6	120	C
428	Rabari Colony	20	6	120	C
429	Raikhad	20	6	120	C
430	Raipur	20	6	120	C
431	Raipur	20	6	120	C
432	Raipur	20	6	120	C
433	Raipur	20	6	120	C
434	Ranip	20	6	120	C
435	Ranip	20	6	120	C
436	Ranip	20	6	120	C
437	Ranip	20	6	120	C
438	Ranip	20	6	120	C

Corrigendum 2 for the RFP for Selection of Implementation Agency for SITC, Operation, and Maintenance of Surveillance System in Ahmedabad City SASA II

#	Area	Width FT	Height FT	SQFT	Bus Shelter Grade
439	Ranip	20	6	120	C
440	Ranip	20	6	120	C
441	Ranip	20	6	120	C
442	Ranip	20	6	120	C
443	Ranip	20	6	120	C
444	Ranip	20	6	120	C
445	Relief Road	20	6	120	C
446	Relief Road	20	6	120	C
447	SG Highway	20	6	120	A
448	SG Highway	20	6	120	A
449	SG Highway	20	6	120	A
450	SG Highway	20	6	120	A
451	SG Highway	20	6	120	A
452	SG Highway	20	6	120	A
453	SG Highway	20	6	120	A
454	SG Highway	20	6	120	A
455	SG Highway	20	6	120	A
456	SG Highway	20	6	120	A
457	SG Highway	20	6	120	A
458	SG Highway	20	6	120	A
459	SG Highway	20	6	120	A
460	SG Highway	20	6	120	A
461	SG Highway	20	6	120	A
462	SG Highway	20	6	120	A
463	SG Highway	20	6	120	A
464	SG Highway	20	6	120	A
465	SG Highway	20	6	120	A
466	SG Highway	20	6	120	A
467	SG Highway	20	6	120	A
468	SG Highway	20	6	120	A
469	SG Highway	20	6	120	A
470	SG Highway	20	6	120	A
471	SG Highway	20	6	120	A
472	SG Highway	20	6	120	A
473	SG Highway	20	6	120	A
474	SG Highway	20	6	120	A
475	SG Highway	20	6	120	A
476	SG Highway	20	6	120	A
477	SG Highway	20	6	120	A
478	SG Highway	20	6	120	A
479	SG Highway	20	6	120	A
480	SG Highway	20	6	120	A
481	SG Highway	20	6	120	A
482	SG Highway	20	6	120	A

Corrigendum 2 for the RFP for Selection of Implementation Agency for SITC, Operation, and Maintenance of Surveillance System in Ahmedabad City SASA II

#	Area	Width FT	Height FT	SQFT	Bus Shelter Grade
483	SG Highway	20	6	120	A
484	SG Highway	20	6	120	A
485	SG Highway	20	6	120	A
486	SG Highway	20	6	120	A
487	SG Highway	20	6	120	A
488	SG Highway	20	6	120	A
489	SG Highway	20	6	120	A
490	SG Highway	20	6	120	A
491	SG Highway	20	6	120	A
492	SG Highway	20	6	120	A
493	Sabarmati	20	6	120	A
494	Sabarmati	20	6	120	A
495	Sabarmati	20	6	120	A
496	Sabarmati	20	6	120	A
497	Sabarmati Chandkheda	20	6	120	C
498	Sabarmati Chandkheda	20	6	120	C
499	Sabarmati Chandkheda	20	6	120	C
500	Sabarmati Chandkheda	20	6	120	C
501	Sabarmati Chandkheda	20	6	120	C
502	Sabarmati Chandkheda	20	6	120	C
503	Saijpur	20	6	120	C
504	Saijpur	20	6	120	C
505	Saraspur	20	6	120	C
506	Saraspur	20	6	120	C
507	Saraspur	20	6	120	C
508	Saraspur	20	6	120	C
509	Saraspur	20	6	120	C
510	Sardarnagar	20	6	120	C
511	Sardarnagar	20	6	120	C
512	Sarkhej - Juhapura	20	6	120	C
513	Sarkhej - Juhapura	20	6	120	C
514	Sarkhej - Juhapura	20	6	120	C
515	Sarkhej - Juhapura	20	6	120	C
516	Sarkhej - Juhapura	20	6	120	C
517	Sarkhej - Juhapura	20	6	120	C
518	Sarkhej - Juhapura	20	6	120	C
519	Sarkhej - Juhapura	20	6	120	C
520	Sarkhej - Juhapura	20	6	120	C
521	Satellite	20	6	120	B
522	Satellite	20	6	120	B
523	Satellite	20	6	120	B
524	Satellite	20	6	120	B
525	Satellite	20	6	120	B
526	Satellite	20	6	120	B

Corrigendum 2 for the RFP for Selection of Implementation Agency for SITC, Operation, and Maintenance of Surveillance System in Ahmedabad City SASA II

#	Area	Width FT	Height FT	SQFT	Bus Shelter Grade
527	Satellite	20	6	120	B
528	Satellite	20	6	120	B
529	Satellite	20	6	120	B
530	Satellite	20	6	120	B
531	Satellite	20	6	120	B
532	Satellite	20	6	120	B
533	Satellite	20	6	120	B
534	Satellite	20	6	120	B
535	Satellite	20	6	120	B
536	Satellite	20	6	120	B
537	Satellite	20	6	120	B
538	Satellite	20	6	120	B
539	Sattadhar	20	6	120	C
540	Sattadhar	20	6	120	C
541	Sattadhar	20	6	120	C
542	Sattadhar	20	6	120	C
543	Sattadhar	20	6	120	C
544	Science City	20	6	120	B
545	Science City	20	6	120	B
546	Science City	20	6	120	B
547	Science City	20	6	120	B
548	Science City	20	6	120	B
549	Science City	20	6	120	B
550	Science City	20	6	120	B
551	Science City	20	6	120	B
552	Science City	20	6	120	B
553	Science City	20	6	120	B
554	Science City	20	6	120	B
555	Science City	20	6	120	B
556	Science City	20	6	120	B
557	Science City	20	6	120	B
558	Science City	20	6	120	B
559	Science City	20	6	120	B
560	Shahibaug	20	6	120	C
561	Shahibaug	20	6	120	C
562	Shahibaug	20	6	120	C
563	Shahibaug	20	6	120	C
564	Shahibaug	20	6	120	C
565	Shahibaug	20	6	120	C
566	Shahibaug	20	6	120	C
567	Shahibaug	20	6	120	C
568	Shahibaug	20	6	120	C
569	Shahibaug	20	6	120	C
570	Shahibaug	20	6	120	C

Corrigendum 2 for the RFP for Selection of Implementation Agency for SITC, Operation, and Maintenance of Surveillance System in Ahmedabad City SASA II

#	Area	Width FT	Height FT	SQFT	Bus Shelter Grade
571	Shahibaug	20	6	120	C
572	Shahibaug	20	6	120	C
573	Shahibaug	20	6	120	C
574	Shahibaug	20	6	120	C
575	Shahibaug	20	6	120	C
576	Shahibaug	20	6	120	C
577	Shahibaug	20	6	120	C
578	Shahibaug	20	6	120	C
579	Shahibaug	20	6	120	C
580	Shahibaug	20	6	120	C
581	Shahibaug	20	6	120	C
582	Shahibaug	20	6	120	C
583	Shahibaug	20	6	120	C
584	Shahibaug	20	6	120	C
585	Shahibaug	20	6	120	C
586	Shahibaug	20	6	120	C
587	Shahpur Darwaja	20	6	120	C
588	Shahpur Darwaja	20	6	120	C
589	Shahpur Darwaja	20	6	120	C
590	Shantipath	20	6	120	C
591	Shantipath	20	6	120	C
592	Shantipath	20	6	120	C
593	Shantipath	20	6	120	C
594	Shastri Nagar	20	6	120	B
595	Shastri Nagar	20	6	120	B
596	Shyamal	20	6	120	B
597	Shyamal	20	6	120	B
598	Shyamal	20	6	120	B
599	Shyamal - Manekbaug	20	6	120	B
600	Shyamal - Manekbaug	20	6	120	B
601	Shyamal - Manekbaug	20	6	120	B
602	Shyamal - Shivranjani	20	6	120	A
603	Shyamal - Shivranjani	20	6	120	A
604	Shyamal - Shivranjani	20	6	120	A
605	Shyamal - Shivranjani	20	6	120	A
606	Sindhubhavan	20	6	120	A
607	Sindhubhavan	20	6	120	A
608	Sindhubhavan	20	6	120	A
609	Sindhubhavan	20	6	120	A
610	Sindhubhavan	20	6	120	A
611	Sindhubhavan	20	6	120	A
612	Sindhubhavan	20	6	120	A
613	Sindhubhavan	20	6	120	A
614	Sindhubhavan	20	6	120	A

Corrigendum 2 for the RFP for Selection of Implementation Agency for SITC, Operation, and Maintenance of Surveillance System in Ahmedabad City SASA II

#	Area	Width FT	Height FT	SQFT	Bus Shelter Grade
615	Sindhubhavan	20	6	120	A
616	Sindhubhavan	20	6	120	A
617	Sindhubhavan	20	6	120	A
618	Sindhubhavan	20	6	120	A
619	Sindhubhavan	20	6	120	A
620	Sindhubhavan	20	6	120	A
621	Sindhubhavan	20	6	120	A
622	Sindhubhavan	20	6	120	A
623	Sindhubhavan	20	6	120	A
624	Sindhubhavan	20	6	120	A
625	Sindhubhavan	20	6	120	A
626	Sola	20	6	120	B
627	Soni Ni Chal	20	6	120	C
628	Soni Ni Chal	20	6	120	C
629	South Bopal	20	6	120	B
630	South Bopal	20	6	120	B
631	South Bopal	20	6	120	B
632	South Bopal	20	6	120	B
633	South Bopal	20	6	120	B
634	Sun & Step Club Road	20	6	120	B
635	Sun & Step Club Road	20	6	120	B
636	Sun & Step Club Road	20	6	120	B
637	Sun & Step Club Road	20	6	120	B
638	Sun & Step Club Road	20	6	120	B
639	Sun & Step Club Road	20	6	120	B
640	Sun & Step Club Road	20	6	120	B
641	Sun & Step Club Road	20	6	120	B
642	Sun & Step Club Road	20	6	120	B
643	Thakkar Nagar	20	6	120	C
644	Thakkar Nagar	20	6	120	C
645	Thaltej - Shilaj Road	20	6	120	C
646	Thaltej - Shilaj Road	20	6	120	C
647	Thaltej - Shilaj Road	20	6	120	C
648	Thaltej - Shilaj Road	20	6	120	C
649	Thaltej - Shilaj Road	20	6	120	C
650	Thaltej - Shilaj Road	20	6	120	C
651	Thaltej - Shilaj Road	20	6	120	C
652	Thaltej - Shilaj Road	20	6	120	C
653	Thaltej - Shilaj Road	20	6	120	C
654	Thaltej - Shilaj Road	20	6	120	C
655	Thol	20	6	120	C
656	University Road	20	6	120	B
657	University Road	20	6	120	B
658	University Road	20	6	120	B

Corrigendum 2 for the RFP for Selection of Implementation Agency for SITC, Operation, and Maintenance of Surveillance System in Ahmedabad City SASA II

#	Area	Width FT	Height FT	SQFT	Bus Shelter Grade
659	University Road	20	6	120	B
660	University Road	20	6	120	B
661	University Road	20	6	120	B
662	University Road	20	6	120	B
663	University Road	20	6	120	B
664	University Road	20	6	120	B
665	University Road	20	6	120	B
666	University Road	20	6	120	B
667	University Road	20	6	120	B
668	University Road	20	6	120	B
669	University Road	20	6	120	B
670	University Road	20	6	120	B
671	University Road	20	6	120	B
672	University Road	20	6	120	B
673	University Road	60	6	360	B
674	Usmanpura	20	6	120	C
675	Usmanpura	20	6	120	C
676	Usmanpura	20	6	120	C
677	Vandematram	20	6	120	C
678	Vandematram	20	6	120	C
679	Vandematram	20	6	120	C
680	Vandematram	20	6	120	C
681	Vandematram	20	6	120	C
682	Vandematram	20	6	120	C
683	Vandematram	20	6	120	C
684	Vandematram	20	6	120	C
685	Vandematram	20	6	120	C
686	Vandematram	20	6	120	C
687	Vandematram	20	6	120	C
688	Vandematram	20	6	120	C
689	Vasna	20	6	120	C
690	Vasna	20	6	120	C
691	Vasna	20	6	120	C
692	Vasna	20	6	120	C
693	Vasna	20	6	120	C
694	Vasna	20	6	120	C
695	Vasna	20	6	120	C
696	Vasna	20	6	120	C
697	Vasna	20	6	120	C
698	Vasna	20	6	120	C
699	Vasna	20	6	120	C
700	Vasna	20	6	120	C
701	Vasna	20	6	120	C
702	Vastrapur	20	6	120	B

Corrigendum 2 for the RFP for Selection of Implementation Agency for SITC, Operation, and Maintenance of Surveillance System in Ahmedabad City SASA II

#	Area	Width FT	Height FT	SQFT	Bus Shelter Grade
703	Vastrapur	20	6	120	B
704	Vastrapur	20	6	120	B
705	Vastrapur	20	6	120	B
706	Vastrapur	20	6	120	B
707	Vastrapur	20	6	120	B
708	Vastrapur	20	6	120	B
709	Vastrapur	20	6	120	B
710	Vastrapur	20	6	120	B
711	Vastrapur	20	6	120	B
712	Vastrapur	20	6	120	B
713	Vastrapur	20	6	120	B
714	Vatva	20	6	120	C
715	Vatva	20	6	120	C
716	Vejalpur	20	6	120	C
717	Vejalpur	20	6	120	C
718	Vejalpur	20	6	120	C
719	Vejalpur	20	6	120	C
720	Vijay Cross Road	20	6	120	B
721	Vijay Cross Road	20	6	120	B
722	Viratnagar	20	6	120	C
723	Visat Circle	20	6	120	C
724	Visat Circle	20	6	120	C
725	Visat To Tapovan Circle	20	6	120	B
726	Visat To Tapovan Circle	20	6	120	B
727	Visat To Tapovan Circle	20	6	120	B
728	Visat To Tapovan Circle	20	6	120	B
729	Visat To Tapovan Circle	20	6	120	B
730	Visat To Tapovan Circle	20	6	120	B
731	Visat To Tapovan Circle	20	6	120	B
732	Visat To Tapovan Circle	20	6	120	B
733	Wadaj - Bhimjipura Road	20	6	120	C
734	Wadaj - Bhimjipura Road	20	6	120	C
735	Wadaj - Bhimjipura Road	20	6	120	C
736	Wadaj - Bhimjipura Road	20	6	120	C
737	Wadaj - Bhimjipura Road	20	6	120	C
738	Wadaj - Bhimjipura Road	20	6	120	C
739	YMCA Club Road	20	6	120	A
740	YMCA Club Road	20	6	120	A
741	YMCA Club Road	20	6	120	A
742	YMCA Club Road	20	6	120	A
743	YMCA Club Road	20	6	120	A
744	YMCA Club Road	20	6	120	A
745	YMCA Club Road	20	6	120	A
746	YMCA Club Road	20	6	120	A

Corrigendum 2 for the RFP for Selection of Implementation Agency for SITC, Operation, and Maintenance of Surveillance System in Ahmedabad City SASA II

#	Area	Width FT	Height FT	SQFT	Bus Shelter Grade
747	YMCA Club Road	20	6	120	A
748	Gollimda	15	4	60	C
749	Gollimda	15	4	60	C
750	Gollimda	15	4	60	C
751	jivraj mehta hospital	15	4	60	C
752	Azad Society	15	4	60	C
753	Astodiya	15	4	60	C
754	Astodiya	15	4	60	C
755	Astodiya	15	4	60	C
756	Girdhar nagar	15	4	60	C
757	Ranip	15	4	60	C
758	Fatehnagar	15	4	60	C
759	Fatehnagar	15	4	60	C