

**Request for Proposal  
For**

**“Selection of Agency for the SITC of Dashcam along with AI based solution for surveillance of Municipal Infrastructure”.**

RFP Notification No: SCADL\_RFP\_25-26\_05

Issued By:

Smart City Ahmedabad Development Limited

December 2025



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## 2. Disclaimer

The information contained in this Request For Proposal (“RFP”) whether subsequently provided to the service providers, (“service provider/System Integrators”) verbally or in documentary form by Smart City Ahmedabad Development Limited (henceforth referred to as “SCADL” in this document) or any of its employees or advisors, is provided to service provider on the terms and conditions set out in this RFP document and any other terms and conditions subject to which such information is provided. This RFP document is not an agreement and is not an offer or invitation to any party. The purpose of this RFP is to provide the service providers or any other person with information to assist the formulation of their operational plan. This RFP includes statements, which reflect various assumptions and assessments arrived at by SCADL in relation to this scope. This RFP document does not purport to contain all the information each service provider may require. This RFP document may not be appropriate for all persons, and it is not possible for the Chief Executive Officer, SCADL and their employees or advisors to consider the objectives, technical expertise and particular needs of each service provider. The assumptions, assessments, statements and information contained in the RFP documents, may not be complete, accurate, adequate or correct. Each service provider must therefore conduct its own analysis of the information contained in this RFP and to seek its own professional advice from appropriate sources. Information provided in this RFP document to the service provider is on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. SCADL accepts no responsibility for the accuracy or otherwise for any interpretation of opinion on law expressed herein. SCADL and their employees and advisors make no representation or warranty and shall incur no liability to any person, including the service provider under law, statute, rules or regulations or tort, the principles of restitution or unjust enrichment or otherwise for any loss, cost, expense or damage which may arise from or be incurred or suffered on account of anything contained in this RFP or otherwise, including the accuracy, reliability or completeness of the RFP, and any assessment, assumption, statement or information contained therein or deemed to form part of this RFP or arising in any way in this Selection Process. SCADL also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any Bidder upon the statements contained in this RFP. SCADL may in its absolute discretion, but without being under any obligation to do so, can amend or supplement the information in this RFP. The issue of this RFP document does not imply that SCADL is bound to select a service provider or to appoint the Selected operator (as defined hereinafter), for implementation and SCADL reserves the right to reject all or any of the service provider or proposals without assigning any reason whatsoever. The service provider shall bear all its costs associated with or relating to the preparation and submission of its RFP proposal including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by SCADL or any other costs incurred in connection with or relating to its Bid. All such costs and expenses will remain with the service provider and SCADL shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a service provider in preparation for submission of the RFP proposal, regardless of the conduct or outcome of the selection process.

## 3. Notice Inviting Proposal and Necessary Instruction

Proposals in prescribed format are invited by SCADL from eligible parties for this RFP.

1.	Scope of Work	SITC of Dashcam along with AI based solution for surveillance of Municipal Infrastructure.
2.	Tender submission Cost	Rs. 18,000 /- (Rs. Eighteen Thousand Only) In the form of Demand Draft in Favor of “Smart City Ahmedabad Development Limited” drawn on any scheduled / nationalized bank and payable at Ahmedabad.

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3.	EMD (bid Security / Security deposit)	Rs.45,00,000/- (Rs. Forty-Five lakh rupees Only) Demand Draft in Favor 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"> <li>• All Nationalized banks including the public sector banks - IDBI Ltd.</li> <li>• Private sector banks - AXIS Bank, ICICI Bank and HDFC Bank</li> </ul>
4.	Office issuing RFP	Chief Executive Officer (CEO), Smart City Ahmedabad Development Limited, Command and Control Centre, Opp. Divan Ballubhai School, Nr. Sanskar kendra, Paldi, Ahmedabad-380007
5.	Contract Period	3 years of Operation & Maintenance period + Implementation Period
6.	Bid validity days	180 days from the last date of submission of bids
7.	Issue of Tender	The tender can be downloaded from below websites. <a href="https://ahmedabadcity.gov.in">https://ahmedabadcity.gov.in</a> , <a href="http://www.smartcityahmedabad.com">www.smartcityahmedabad.com</a> <a href="https://www.nprocure.com/">https://www.nprocure.com/</a>
8.	Queries by email	Bidders shall have to post queries by email to smartcity@ahmedabadcity.gov.in, scadl.amc@gmail.com on or before 25/12/2025 up to time 1600 Hrs
9.	Pre-Bid	Pre-bid will be held on 24/12/2025 at 15:00 PM at Smart City Ahmedabad Development Limited, Command and Control Centre, Opp. Divan Ballubhai School, Nr. Sanskar kendra, Paldi, Ahmedabad-380007
10.	Proposal due date (last date & time of Tender submission)	Tender should be submitted before 09/01/2026 up to 1600 Hrs. Bidder shall upload their bids on <a href="https://www.nprocure.com/">https://www.nprocure.com/</a>
11.	Submission (in Hard Copy)	Complete duly signed RFP & proposal in sealed envelope with relevant details may be submitted to reach at following address before 09/01/2026 up to 1700 Hrs. Smart City Ahmedabad Development Limited, Command and Control Centre, Opp. Divan Ballubhai School, Nr. Sanskar kendra, Paldi, Ahmedabad-380007
12.	Date & Time of opening of Tender	Technical Qualification documents will be opened on 09/01/2026 at 18:00 Hrs in the presence of bidders’ representatives. Qualified bidders would be subsequently informed later about the date, time and venue for price bid opening.

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13.	Contact persons (For any Clarifications)	Chief Executive Officer (CEO), Smart City Ahmedabad Development Limited, Command and Control Centre, Opp. Divan Ballubhai School, Nr. Sanskar kendra, Paldi, Ahmedabad-380007
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**Relaxation to Micro & Small Enterprises:**

1. The firms registered under MSE are exempted from submitting the Earnest Money Deposit (EMD).
2. If a bidder falls under MSE, then a copy of the registration certificate must be provided to SCADL along with the proposal. Further, the bidder must keep SCADL informed of any change in the status of MSE. MSE certificate must clearly mention the products / services asked in this tender, then only MSE exemption shall be accepted. SCADL will have final rights to accept or reject the registration certificate based on mentioned products / services.

#### 4. Introduction and background

Ahmedabad is one among forefront in implementation of smart initiatives for urban development projects. Under Smart City Mission, Ahmedabad has implemented several projects namely, Integrated Transport Management System (ITMS), City Surveillance project, e-Challan, Smart Anganwadi, Smart Public Toilet, Digital Payment and establishment of Integrated City Command and Control Centre with several e-Governance projects.

As per the GoI guidelines, Ahmedabad Municipal Corporation (AMC) has formed a Special Purpose Vehicle (SPV) as Smart City Ahmedabad Development Limited (SCADL) for the implementation of projects under the smart city mission. SCADL executes the task of project design, tender preparation, bid process management, selection, and on-boarding of implementation agency. SCADL work closely with user departments from AMC and other government departments in implementation and operationalization of various smart city projects.

Ahmedabad was selected among the first 20 Smart Cities in India under the Smart Cities Mission of the Ministry of Housing and Urban Affairs considering the proposals submitted by the Ahmedabad Municipal corporation. A Special Purpose Vehicle (SPV) was formed in 2016 under the mission guidelines and was named as Smart City Ahmedabad Development Limited (SCADL). It carries the end-to-end responsibility for vendor selection, implementation, and operationalization of various Smart City Projects.

The objective was to promote sustainable and inclusive cities that provide core infrastructure and give a decent quality of life to its citizens, a clean and sustainable environment and application of Solutions. Most of the ICT initiatives proposed and being implemented by Ahmedabad city have been identified with a predominant objective to improve public safety and surveillance, traffic management, public services quality, emergency response and real time tracking of municipal services.

##### 4.1 About SASA-ICCC project

SASA-ICCC project has various smart solutions like Integrated Command and Control Centre, Smart surveillance system, Smart traffic management system, Public Wi-Fi hotspots, LED/Digital Display panel/boards, and various type of sensors, smart lighting etc. riding on the Pan city ICT infrastructure and city-wide point to point connectivity network.

SCADL, AMC and Ahmedabad Police Department are the major stakeholders of the entire project. Wherein Police department are utilizing video feeds for city surveillance and intelligent traffic management of the entire city and SCADL is utilizing video feeds and other sensor deployed under the project for efficient and effective management of the municipal services and city operations.

##### 4.2 Objective of RFP

Smart City Ahmedabad Development Limited (SCADL) seeks proposals from interested bidders for the implementation of dashcams along with an AI-based software solution to be installed on municipal transport buses for the surveillance of municipal infrastructure. SCADL is looking for an agency to supply, install, test, configure, and maintain dashcams along with the AI-based software solution. With these dashcams, SCADL aims to identify various municipal issues, define use cases, and develop an AI-based software application along with a dashboard, as mentioned in the Scope of Work of this RFP. The successful bidder is expected to operate and maintain the entire system for the duration of the contract.

#### 5. Scope of Work

SCADL/ AMC envisions to identify and monitor its municipal infrastructure for quick action through deployment of dashcams. The Scope of work for this RFP is categorized into following:

- (i) Identification of Use Cases
- (ii) SITC of Dashcams/Camera
- (iii) AI Based software Application and dashboard

- (iv) Manpower
- (v) NMS
- (vi) VMS

### 5.1 Use cases

The use cases mentioned below are to be run in Dashcam by the successful bidder. This section deals with all use cases along with their bucket-wise bifurcation of the use cases and detailed functional requirements. The use cases are categorised into two sections as below:

1. Priority 1 (P1) use cases (To be implemented during Project timeline)
2. Priority 2 (P2) use cases (To be implemented within 12 Months post Project Go-Live)

Minimum of 8 use cases to be run on each Camera. The municipal transport vehicle shall have cameras mounted as per below use case table. Bidder to accordingly design the solution.

Priority 1 use cases shall be available readily with the Bidder and to be shown as part of POC.

Below is the detailed list for uses cases basis priority.

Sr.no	Function	Events
<b>Priority 1 (P1) use cases</b>		
1.	Civic Administration	Detection of garbage on road
2.	Civic Administration	Detection of Illegal Stalls (Stall detection only)
3.	Civic Administration	Cases of Water Logging
4.	Civic Administration	Detection of construction in progress
5.	Civic Administration	Detection of broken speed breaker
6.	Civic Administration	Detection of encroachments
7.	Civic Administration	Detection of Smoke/Fire
8.	Traffic	Detection of Parking rule violation
9.	Traffic	Detection of two-wheelers riding without Helmet
10.	Traffic	Detection of vehicles driving on wrong side.
<b>Priority 2 (P2) use cases</b>		
11.	Civic Administration	Detection of Potholes
12.	Civic Administration	Detection of Faded Road Markings (Zebra crossing, Road median)
13.	Civic Administration	Detection of C&D Waste
14.	Civic Administration	Detection of damaged infrastructure
15.	Civic Administration	Detection of Damaged Manhole Cover
16.	Civic Administration	Detection of Damaged traffic lights
17.	Civic Administration	Detection of Cattle on road
18.	Civic Administration	Detection of road surface damage
19.	Civic Administration	Detection of road crack
20.	Civic Administration	Detection of red and yellow spots (Spitting & Urination Marks on the Road)
21.	Civic Administration	Detection of Damaged Net Surrounds on Trees
22.	Civic Administration	Detection of open drains
23.	Civic Administration	Detection of dirty street road
24.	Civic Administration	Detection of Electrical Wires Jumble
25.	Civic Administration	Detection of open manhole
26.	Civic Administration	Detection of Damaged/ Broken Paver/Pavement
27.	Civic Administration	Detection of Damaged/ Broken Kerb / Kerbstone
28.	Civic Administration	Detection of Damaged/Rusted/Tilted Gantry
29.	Civic Administration	Detection Damaged Bus Shelter
30.	Civic Administration	Detection Damaged Bollards

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Sr.no	Function	Events
31.	Civic Administration	Detection of Missing Plantation / horticulture
32.	Civic Administration	Detection of Unauthorized Posters / Graffiti
33.	Civic Administration	Detection of Broken Street Lights
34.	Civic Administration	Detection of Covered / Uncovered Persons Sleeping on Footpath
35.	Civic Administration	Detection of Damaged / Overflowing Dustbin
36.	Civic Administration	Detection of Damaged Street Furniture
37.	Civic Administration	Detection of Dirty / Damaged Statues
38.	Civic Administration	Detection of Damaged and Hidden Traffic Signages
39.	Civic Administration	Detection of broken road edges
40.	Civic Administration	Detection of missing Bell Mouths on Road Junctions
41.	Civic Administration	Beat Mapping

The priority of use cases has been identified in descending orders where Sr. 1 to 10 are priority 1 and remaining are priority 2.

Please note that these priority categorization of use cases are tentative and will be finalized in consultation with the successful bidder during the kickoff meeting, ensuring alignment with technical feasibility and project objectives.

### **5.1.1: Detection of garbage on road**

1. The AI application should be capable enough to detect from the video feed from dashcam where garbage is dropped on the road / footpath / in grounds where littering is not allowed. The system should detect all the littered areas and should have capability to filter out littered area with size of >1 mtr (any dimension like length / width / diagonal distance between edges of littered area can be considered for sizing).
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in the Section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of garbage detection during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model

### **5.1.2: Detection of Illegal Stalls**

1. The AI application should be capable enough to detect from the video feed captured from dashcam where any stalls are present roadside or on unauthorized places.
2. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.
3. It will be the responsibility of the bidder, to coordinate with AMC to get details on approvals of stalls, authorized places etc.
4. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
5. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% at daytime

### **5.1.3: Cases of Water Logging**

1. The AI application should be capable enough to detect from the video feed captured from dashcam where water logging has happened. The system should detect all the water logging areas and should have capability to filter out water logging area with size of >3 mtr (any dimension like length / width / diagonal distance between edges of water accumulation can be considered for sizing).
2. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.
3. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
4. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% at daytime

### **5.1.4: Detection of construction in progress**

1. The AI application should be capable enough to detect from the video feed captured from dashcam where construction is live and happening to mark the areas wherever construction is going on.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can

- be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.5: Detection of broken speed breaker**

1. The AI application should be capable enough to detect from the video feed captured from dashcam wherever speed breakers are broken or not in proper condition.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.6: Detection of Encroachments**

1. The AI application should be capable enough to detect from the video feed captured from dashcam if any road or street are covered with any kind of illegal encroachment.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during day time, i.e. the cameras cannot miss more than 20% of issues during the daytime.
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.7: Detection of Smoke/Fire**

1. The AI application should be capable enough to detect from the video feed captured from dashcam wherever any fire or smoke is detected.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.8: Detection of Parking rule violation**

1. The system needs to demonstrate expansion functionality that can be added for future proofing by allowing this.
2. The AI application should be capable enough to detect from the video feed captured from Dashcam if the vehicle is parked in a “no parking” zone or parked in obstructive manner for all types of 2-wheelers, 3-wheelers, 4-wheelers & larger vehicles.
3. Above mentioned traffic use case will not be part of this tender, but it needs to be shown at the time of technical evaluation that the system is flexible enough to add more use cases from other departments.

**5.1.9: Detection of two-wheelers riding without Helmet:**

This use case involves identifying traffic safety violations using AI-based video analytics on dashcam footage. The system should Detect two-wheeler riders who are not wearing helmets.

1. The AI application should be capable enough to detect from the video feed captured from Dashcam if there is any 2-W found with more than 2 people.
2. The system needs to demonstrate expansion functionality that can be added for future proofing by allowing this.
3. Above mentioned traffic use cases will not be part of this tender, but it needs to be shown at the time of technical evaluation that the system is flexible enough to add more use cases from other departments.

**5.1.10: Detection of vehicles driving on wrong side.**

1. The AI application should be capable enough to detect from the video feed captured from Dashcam if any vehicle is found driving wrong side of the road.
2. The system needs to demonstrate expansion functionality that can be added for future proofing by allowing this.
3. Above mentioned traffic use cases will not be part of this tender, but it needs to be shown at the time of technical evaluation that the system is flexible enough to add more use cases from other departments.

**5.1.11: Detection of Potholes**

1. The system should be capable enough to detect from the video feed captured from dashcam if any potholes are there on the road. The system should detect all the potholes including situated close to each other and should have capability to filter out potholes with size of >10 inch (any dimension like length / width / diagonal distance between potholes edges can be considered for sizing).
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% at daytime

**5.1.12: Detection of Faded Road Markings**

1. The AI application should be capable enough to detect from the video feed captured from dashcam wherever road markings are not present or have faded.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.13: Detection of C&D Waste Found**

1. The AI application should be capable enough to detect from the video feed captured from dashcam wherever C&D waste found on road or public places.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.14: Detection of damaged infrastructure.**

1. The AI application should be capable enough to detect from the video feed captured from dashcam where civil / other infrastructure is damaged. For ex.: broken speed breaker, damaged traffic lights / poles, broken road edges, broken dividers, broken footpath.
2. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.
3. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
4. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be

posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% at daytime

#### **5.1.15: Detection of damaged Manholes**

1. The AI application should be capable enough to detect from the video feed captured from dashcam where uncovered manholes, drain covers, saucer drains, bell mouths are found in damaged condition.
2. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.
3. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
4. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% at daytime

#### **5.1.16: Detection of Damaged Traffic Lights**

1. The AI Application should be capable enough to detect from the video feed captured from dashcam where damaged traffic lights are detected
2. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.
3. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
4. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 20% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% at daytime

#### **5.1.17: Detection of Cattle on road.**

1. The AI application should be capable enough to detect from the video feed captured from Dashcam if any cattle is present on the road.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. with actual image of the cattle, camera name / ID through which the cattle are detected, timestamp of detection etc. and such report should be stored automatically with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% at daytime

#### **5.1.18: Detection of road surface damage**

1. The AI application should be capable enough to detect from the video feed captured from dashcam wherever the condition of road health is not proper or surface is damaged.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.19: Detection of road crack**

1. The AI application should be capable enough to detect from the video feed captured from dashcam wherever there is a crack on road found.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.20: Detection of red and yellow spots**

1. The AI application should be capable enough to detect from the video feed captured from dashcam wherever any spot of spit or yellow spots is found on walls.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
5. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.21: Detection of Damaged Net Surrounds on Trees**

1. The AI application should be capable enough to detect from the video feed captured from dashcam wherever trees are not surrounded by the nets.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.22: Detection of open drains**

1. The AI application should be capable enough to detect from the video feed captured from dashcam wherever drains are not covered properly.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.23: Detection of dirty street road**

1. The AI application should be capable enough to detect from the video feed captured from dashcam where street roads are found dirty or they are not cleaned properly.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.24: Detection of Electrical Wires Jumble**

1. The AI application should be capable enough to detect from the video feed captured from dashcam wherever wires on streets or roads are found in jumble position and hanging.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.25: Detection of Open Manhole**

1. The AI application should be capable enough to detect from the video feed captured from dashcam if any manhole is not covered or it's cover is damaged.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.26: Detection of Damaged/ Broken Paver/Pavement**

1. The AI application should be capable enough to detect from the video feed captured from dashcam wherever the paver or pavements are broken or damaged.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.27: Detection of Damaged/ Broken Kerb / Kerbstone**

1. The AI application should be capable enough to detect from the video feed captured from dashcam wherever the kerb or kerbstone are broken or damaged.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.28: Detection of Damaged/Rusted/Tilted Gantry**

1. The AI application should be capable enough to detect from the video feed captured from dashcam if any gantry is damaged/tilted or rusted.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.29: Detection of Damaged Bus Shelter**

1. The AI application should be capable enough to detect from the video feed captured from dashcam if any of the bus stop condition is not proper means if shelter is damaged or benches are broken.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.30: Detection of Damaged Bollards**

1. The AI application should be capable enough to detect from the video feed captured from dashcam wherever bollards are broken or damaged.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.31: Detection of Missing Plantation / horticulture**

1. The AI application should be capable enough to detect from the video feed captured from dashcam wherever the plantation or horticulture is missing on the central verge or on the roadside.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.32: Detection of Unauthorized Posters / Graffiti / defacement of walls**

1. The AI application should be capable enough to detect from the video feed captured from dashcam wherever unauthorized posters/graffiti are found on walls or public places.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.33: Detection of Broken Street Lights**

1. The AI application should be capable enough to detect from the video feed captured from dashcam wherever streetlights are not working or broken.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.34: Detection of Covered / Uncovered Persons Sleeping on Footpath**

1. The AI application should be capable enough to detect from the video feed captured from dashcam wherever persons are found sleeping on footpaths, either covered or uncovered.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.35: Detection of Damaged / Overflowing Dustbin**

1. The AI application should be capable enough to detect from the video feed captured from dashcam wherever public dustbins are overflowed or damaged.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.36: Detection of Damaged Street Furniture**

1. The AI application should be capable enough to detect from the video feed captured from dashcam if any street furniture is found damaged or broken.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.37: Detection of Dirty / Damaged Statues**

1. The AI application should be capable enough to detect from the video feed captured from dashcam if any statue on junction or park is found damaged or broken.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.38: Detection of Damaged and Hidden Traffic Signages**

1. The AI application should be capable enough to detect from the video feed captured from dashcam wherever traffic signage is found broken/damaged or not visible properly due to any reason.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.39: Detection of broken road edges**

1. The AI application should be capable enough to detect from the video feed captured from dashcam wherever edges of roads are found broken or damaged.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.40: Detection of missing Bell Mouths on Road Junctions**

1. The AI application should be capable enough to detect from the video feed captured from dashcam if anywhere bell mouths are missing.
2. Every detection should automatically create an event, a report in the format to be provided as mentioned in this section 5.5-point no.26. and such event should be automatically recorded in dashboard with due indexing.
3. The system should detect this event during 24x7 (both day and night) with an accuracy of 80% in case of reporting issues detected. Calculating False Positive to be less than 10% so that nothing wrong can be posted on Dashboard and also for calculating False Negative, a minimum accuracy of 80% should be maintained during daytime, i.e. the cameras cannot miss more than 20% of issues during the daytime
4. It will be the responsibility of the bidder to collect relevant datasets and train the analytics model.

**5.1.41: Beat Mapping Using Dashcams**

1. AMC has supervisors belonging to various wards and zones who have pre-assigned beat (route) to cover and monitor the sanitation work carried out by the field workers on a daily basis.
2. SCADL wishes to track and monitor the number of events or issues related to sanitation (such as piles of garbage on streets, open drains and wastewater, street animals seating around the waste, open urination marks etc.) present or occurring in the city.
3. Hence, when a Senior Sanitary Inspector (SSI) goes about their usual beat, capturing the video of the route, the events related to sanitation are to be identified from the video captured by them and the same are to be mapped on a map depicting the severity of the event occurrences. These events are to be captured on a daily basis. These events are to be related to sanitation.
4. Example of colour coding is given as below. Please note that this is just for illustrative purposes, the final decision will be taken by SCADL at later stage:

#	Severity of Event Occurrences- Sanitation	Colour to be shown
1	>= 10 events identified for sanitation issue in a beat	Red
2	>=5 and < 10 events identified for sanitation issue in a beat	Blue
3	< 5 events identified for sanitation issue in a beat	Yellow
4	No events	Green

5. For Example: An SSI goes on usual beat and records the video of the same, Now the successful bidder is expected to identify events related to Sanitation. Let's say your software identifies 5 events, now this beat to be coloured as Blue on the map. Live video feed captured by mobile should be transmitted in real time and to be stored at CCC for analysis of sanitation alerts in real time.
6. SCADL wishes to know from the map (a) the Severity of event occurrences as per the colours (b) When zoomed in the count of the event.

**5.1.42: Detection of Driver Fatigue and Distraction.**

4. The AI application should be capable enough to detect from the video feed captured from Dashcam if any driver is found to be distracted or fatigued.
5. The system needs to demonstrate expansion functionality that can be added for future proofing by allowing this.
6. Above mentioned traffic use cases will not be part of this tender, but it needs to be shown at the time of technical evaluation that the system is flexible enough to add more use cases from other departments.

**5.1.43: Detection of Illegal Billboards.**

7. The AI application should be capable enough to detect from the video feed captured from Dashcam if any Billboards are found to be illegally placed, expired their license to be hoarded or are of wrong

dimensions as per authorization. The database of the billboards and their locations and required QR codes will be made available to read and verify authenticity / validity of the billboard.

8. The system needs to demonstrate expansion functionality that can be added for future proofing by allowing this.
9. Above mentioned traffic use cases will not be part of this tender, but it needs to be shown at the time of technical evaluation that the system is flexible enough to add more use cases from other departments.

## 5.2 SITC of Dashcams/Camera

The successful bidder will be responsible for installing dashcam across AMTS, BRTS (Bus Rapid Transit System), public transportation, and any corporation vehicles (maximum of three cameras per vehicle). The dashcam viewpoints shall be positioned to capture all 43 use cases from a single vehicle, with one camera focused on the left side of the street, one focused on the road surface, and another focused on the centre of the road. However, we welcome innovations and ideas to maximize the number of use cases that can be accurately covered by a single camera. Additionally, the cameras should be adaptable for use in other vehicles to increase coverage of the city area.

Our observation is that capturing all use cases efficiently is crucial. The dashcam shall have edge computing capabilities or be equipped with a separate Local Processing Unit (LPU) at the edge, along with a software solution to automatically capture events and issues occurring on the road while the vehicle is moving through the city.

1. The successful bidder will be responsible for supply, installation, testing, commissioning, and maintenance of all dashcam that are to be deployed as per this RFP for the entire contract duration period.
2. When these dashcam installed in the public transportation vehicles go about their usual designated routes, the feed captured from dashcam to be further analysed to identify events/use cases.
3. The Dashcam must be accompanied with edge compute capabilities or can have a separate LPU at edge such that the AI Application would be deployed on the edge device itself to minimize Centralized Servers requirements and heavy 4G/5G transmission of continuous videos to centralized servers. The cameras will send alert video of event including pre and post alert video of 30 sec each i.e. total 1 minute video for respective use case, and same will be stored in the centralized servers on cloud for post processing and verification by operator
4. **Sim Cards compatibility:** The dashcam shall be equipped with SIM card compatibility, allowing for the insertion of SIM cards. The bidder will supply the SIM cards at the time of deployment. It is the bidder's responsibility to select and purchase a data plan for the SIM card from the telecom service provider, in order to ensure that events are captured on the centralized server without any interruption.
5. The successful bidder will also be giving android applications to the field Staff SSI and others as required to guide them where to travel and the state of condition of each road for inspection.
6. SIM card registration with usage plan and a memory card that is to be used in Dashcam/Cameras & manpower for SIM card registration etc must be provided by the bidder. Bidder will have to pay for the SIM card registration cost & plan cost. The SIM card to be registered (in name of SCADL) under the number of dashcam/Camera provider itself, and the selected bidder will be required to pay monthly/quarterly/yearly plan cost to the service provider without any additional cost to SCADL.
7. These dashcam transfer the necessary real time video feed on demand basis to centralize server (at bus depot through Wi-Fi)
8. The bidder shall provide a cloud-based solution comprising VMS, NMS, Dashboard, and AI Application. Continuous Video footage from all dashcam will be stored locally on the SD cards installed in the devices for 7 days. The cloud-based VMS must offer functionality to view both real-time video feeds and recorded footage from the local SD card. For recorded video, the VMS should allow users to specify a date and time range for playback. The cloud storage shall store only the event video including pre and post event video of 30 sec each i.e. total 1 minute video. Retention period for these event videos on cloud

shall be 90 days. Retention period should be configurable, with options for 7, 15, 30, 60, or 90 days, as per project requirements.

9. The dashcam installed to have anti-tampering and anti-theft design.
10. The dashcam should be installed with protective covers to avoid against physical damage, to protect against anti-theft and unauthorized access.
11. In case of dashcam/Camera is faulty, it is the responsibility of the Bidder to take important data backup of that device.
12. The SI shall liaise with the light dept. of AMC for integration of power connections for the dashcam and LPU across transportation vehicles. If the power output of the transportation vehicle exceeds the power requirement of the dashcam/Cameras and LPU, then the bidder shall be responsible for arranging appropriate power adjustment or regulation mechanisms to ensure compatibility.
13. The vendor shall furnish all required power cables and accessories (3- pin power socket, car charger etc.) essential for powering the dashcam and LPU. These accessories shall be compliant with relevant safety and quality standards.
14. SI shall coordinate with concerned authorities / municipalities / Bus drivers for installation of Dashcam and LPU.
15. The successful bidder is expected to coordinate with authorities for necessary permissions, approvals, and follow-ups for the installation of dashcam/Cameras and LPU devices in the respective public transport vehicles. However, AMC will provide adequate assistance/support as and when required.
16. The successful bidder to ensure that no damage occurs to the property of Ahmedabad municipal corporation/ public transport vehicles/Police department vehicles during or post installation of the dashcam & LPU. If any damage occurs the concerned charges will be recovered from the bidder.
17. The successful bidder shall have to create a dashboard with features mentioned as per section.5.5 of this RFP.
18. The Public transport vehicles/ AMC /Police department owned vehicles where dashcam & LPU are to be installed will be decided by SCADL/AMC authorities before installation.
19. **Dismantling & Reinstallation of Dashcam/Cameras and LPU:** In case of dismantling and re-installation of dashcam/Cameras and LPU from one vehicle to other vehicle is required due to whatsoever reason, it is the responsibility of successful bidder to execute the task of dismantling and Reinstallation on request of authority. Bidder needs to provide the quotation for re-installation of the hardware to new buses at a minimum lot of 10 buses to be re-commissioned in one go. This will not be included in bid amount and should be defined by bidder at the time of bid.

### 5.3 Data collection

The system should be designed for future integration of dashcam AI solution with our similar platforms such as bridge surveillance, land encroachment monitoring system etc., including remote monitoring capabilities, and this flexibility must be demonstrated during technical evaluation. It should not be restricted to proprietary protocols; instead, it must support open standards for interoperability. Specifically, the system should support ONVIF, RTSP (Real-Time Streaming Protocol), HTTP/HTTPS APIs, and SDKs, while allowing proprietary protocols as an option. Open-source integration must be mandatorily demonstrated with the entire system including dashcam, VMS to ensure scalability and vendor neutrality.

### 5.4 AI Based Application & Storage Solution

1. The successful bidder should develop an AI Based application solution that is to be hosted on cloud server. Cloud service provider shall be MeitY empanelled and hosted based in India.
2. MeitY guideline for Cyber security measures shall be meet while hosting the proposed solutions on cloud.
3. The successful bidder shall procure necessary software licenses and maintain the AI Application for project duration.
4. All licenses supplied by the bidder for the purpose of this project shall be perpetual in nature and shall be in the name of AMC / SCADL and this will be entirely during operation and maintenance for the entire duration of the contract.
20. The storage solution for footage captured through dashcam shall include both local and cloud options. All video footage must be stored locally on the dashcam/Cameras' inbuilt SD card for a minimum of 7

days, after which the data will be overwritten unless flagged by SCADL, AMC, or Police for investigation or other purposes. The cloud storage shall store only the event video including pre and post event video of 30 sec each i.e. total 1 minute video. Retention period for these event videos on cloud shall be 90 days. Retention period should be configurable, with options for 7, 15, 30, 60, or 90 days, as per project requirements.

5. The cloud storage solution should be scalable to accommodate future retention or capacity needs, ensuring flexibility and compliance with operational requirements.
6. The proposed AI application shall seamlessly capture all events detected through dashcam and LPU while maintaining optimal performance, even when the full quantity of dashcam specified in the RFP is deployed and integrated.
7. The system must ensure that performance does not degrade under maximum load conditions. Additionally, it shall support the automatic upload of, snapshots, and event-based clips to the cloud, with secure data transmission through encrypted channels using HTTPS, SSL, and TLS protocols.
8. **Platform & Operations: The AI application shall be an open-architecture, highly scalable platform integrating dashcams/cameras, LPUs, VMS, and other video analytics systems deployed at the edge as per the MSI solution. It will support live viewing, concurrent playback, and multi-view switching with search options by date, time, alert sequence, and bookmarks. Comprehensive logging—including system, audit, alert, and event logs—shall be maintained with export capability. Secure authentication, password policies, and configurable auto-logout functionalities shall be implemented to prevent unauthorized access. Role-based access control will govern user privileges across both web and mobile platforms. Historical transactions for alarms and incidents shall be retained for at least 90 days.**
9. **Alarm Management:** The application shall manage alarms generated automatically by AI detections at edge and device health monitoring and allow manual alarm creation by operators. Alarms will appear in a unified notifications pane, and pop-up alerts. Each alarm shall include pre- and post-event video clips (30 seconds each), with options for live view and recorded playback. Operators can classify alerts as True/False, adjust criticality levels, and initiate incident creation. Alarm de-duplication shall be there to prevent flooding for recurring events. Notifications will be sent via in-app, SMS, and email to concerned officials.
10. **Escalation & Correlation:** The system shall support configurable escalation based on severity and priority, with auto-escalation timers for critical incidents. Event correlation will combine multiple alerts from different sensors based on time, location, and attributes to improve situational awareness.
11. **Incident Management (Pre-defined Workflows)**  
The AI Application shall maintain incident lifecycle with assignment, severity changes, attachments, and closure. Incidents can be created automatically from alarms or manually by operators and will be visible in the Incident pane. Key workflows include (tentative workflow it shall be finalized by department during implementation and before start of commissioning):
  - **Automatic Incident Generation:** Triggered by high-priority alarms such as camera tampering or device health faults. Operators include viewing bookmarked clips, classifying alerts, defining incident type, assigning to field officials, and sending notifications to stakeholders.
  - **Manual Incident Generation:** Operator bookmarks video during live or recorded review, creates incident, defines types, assigns to field officials, and triggers notifications.
  - **Supervisor Actions (as & when escalation / reassignment is required):** Change severity, attach supporting documents/videos, reassign incidents, escalate if required, review field responses, close incidents, and send closure notifications. Reports can be viewed and downloaded.
  - **Field User Actions:** Acknowledge incident, view videos, check live view, forward to On Field First Responder (if required on SMS / messaging app), take input from On Field First Responder, submit field response with evidence, export tamper-proof video, attach evidence, update comments, confirm submission and mark closure.

12. **12. Reporting:** The application shall provide comprehensive reporting for alarms, incidents, logs, and configurations. Reports will support filters by ward, zone, event type, source, and status, and export in PDF, Excel, and CSV formats. Users can customize templates, save favourites, and schedule auto-email delivery. Incident response reports shall include attachments, timestamps, and user actions. **Role-Based Access Control:** Role-based access will apply across web and mobile, with hierarchical privileges for administrators, supervisors, operators, and field users. Location-based scoping (ward/zone) will restrict visibility. All role changes and access logs will be audit-tracked Dashboards & Visualization: Dynamic dashboards (integrated part of Dashboard application) provide real-time heatmaps, beat coverage visualization, and event trend charts. Widgets will be configurable per role, and dashboards will be accessible on web and mobile.
- 13.
14. NMS & SLA Monitoring integration: The application shall integrate with NMS for device health monitoring alerts using SNMP/ICMP protocols. SLA dashboards will display uptime and MTTR, and alerts will respect bus operation hours. Weekly and monthly SLA reports will be exportable.
15. GIS Integration: GIS integration shall enable drill-down by ward, zone, and incident type.
16. Trend Analysis: The system shall analyse historical data to identify patterns, hotspots, and trends in municipal issues and AI accuracy. Insights will be displayed on executive dashboards for decision-making.
17. As part of the roadmap, the AI Application shall evolve to include advanced GIS integration for comprehensive spatial intelligence. This will enable dynamic visualization of municipal events, incidents, and device health on interactive maps with layer-based filtering, heatmaps, and radius-based analytics. Future enhancements will support geo-fencing for alerts, route optimization for field teams, and integration with city-level GIS engines to correlate municipal infrastructure data with real-time dashcam detections. These capabilities will strengthen decision-making, improve resource allocation, and allow predictive analysis of urban issues based on spatial patterns.
18. Selected bidder will have to conduct cyber security assessment every year including VAPT (Vulnerability Assessment and Penetration Testing) through CERT-IN certified agency for entire solution including software application, database, mobile application etc. and will have to resolve identified vulnerabilities. The cost of the assessment will be borne by the Bidder.

## 5.5 Dashboard

1. The successful bidder is expected to create a dashboard with the below mentioned features and functionalities. The dashboard shall be accessible through web-based interface on Desktop/Laptop/Mobile (Android & iOS)
2. The dashboard shall include secure login credentials for authorized users minimum 500 no's and expandable to 1000 no's, which will be provided to various concerned AMC departments. The bidder must ensure that the dashboard supports role-based access control (RBAC), allowing permissions to be assigned based on user roles and responsibilities. Access should be provided to a minimum number of officials as defined by SCADL, with support for up to 100 concurrent sessions. Each role should have clearly defined privileges for viewing, editing, and managing data to maintain security and operational efficiency.
3. The events identified both through dashcam/Camera & LPU are to be recorded in the dashboard in real time
4. The dashboard should be able to show all the violations/detections (mentioned in the above use case list) on the Google map, the view should allow the facility to change the time scale from 1 hr. to 1 year, with daily, weekly, monthly, quarterly, and yearly views available.
5. The reports to display date and time stamp when event has been identified, Location including Lat & Long where event occurs, Navigation links on dashboard against all events, event description, video clipping of identified event of 1 minute (Violation of event) , image of the event detected, captured source of the event (Dashcam/Camera), Status, Seen time.
6. The 1-minute video feed should have multiple tags in same video highlighting in box for every event in the dashboard/Camera. AI Application will run in real time to find and infer everything.

7. The dashboard/Camera shall generate alerts whenever the feed is not received from any dashcam/Camera, along with the date and time stamp. In addition, the system should provide real-time notifications for critical conditions such as device faults, low storage capacity, or connectivity issues, ensuring proactive monitoring and timely resolution. In case of no network connectivity, the dashcam/Camera shall store the event video clip in SD card and upload to central server on cloud as soon as network connectivity is restored.
8. Each department/ward/zone will have designated login credentials. Upon successful login, the dashboard interface will display events specific to the user's department. Events related to other departments will not be visible on the dashboard. A filter option for wards/zones to be provided. For example, CNCD official should be able to see only cattle related events. Dashboard should provide filter option to select a particular ward to see only events pertaining to that ward.
9. Dashboard shall have a feature to notify the admin to transfer the event from one department/ward to another department/ward.
10. The system should provide a user-friendly interface for seamless event browsing within the designated department/ward/zone.
11. SI shall provide dashboard login access to minimum 500 no's users and expandable to 1000 no's users, with 100 concurrent users. Each user shall have own user id/Password for AMC/SCADL and authorized person.
12. The bidder shall implement role-based access control (RBAC) mechanism to manage user permissions.
13. The system administrator access of the dashboard to be provided to SCADL/AMC, where one can view the events generated for all departments.
14. The department heads and employees shall be provided with controlled, role-based access to the dashboard, aligned with the access rights defined by the Authority. Each role should have specific permissions for viewing, editing, and managing data to ensure security and compliance.
15. An edit option shall be available in the dashboard under the Reports section, allowing department heads and employees to update department-specific reports. The system should permit editing of selected fields within generated reports. Each event record shall include a 'Status' column with selectable options such as 'Attended' and 'Resolved,' and a 'Seen Time' column to capture the timestamp when the status is updated by the respective department head or employee.
16. When a certain action is performed on the "Status" column by the department head/employees and the report is saved the current timestamp to be recorded in the "Seen time" column by the system.
17. The dashboard to generate daily/weekly/monthly/yearly reports. The system shall provide export options for all reports, including PDF, Excel, and CSV formats.
18. The event generated in dashboard should be stored in dashboard for at least one year. i.e. SCADL/AMC can see the at least past one-year events report.
19. The successful bidder to ensure that the images stored/displayed on dashboard/reports are not distorted.
20. The reports to have features to filter the events based on wards, zones, event type, department, captured source of the event (Dashcam/Camera) and Status.
21. The dashboard shall display Google Maps integrated view, enabling visualization of use cases based on zone, department, and the source from which the use case was generated."
22. The dashboard should also perform analysis based on weekly reports generated. It should highlight ward and zone wise hotspots and provide insights on major issues occurring in a particular zone.
23. Daily Coverage map, should be created to show day wise route covered by dashcam
24. Daily heatmaps to be created on the dashboard to show zone & ward's status with colour code based on no. of events in that zone / ward.
25. The dashboard shall update reports, Google Maps, coverage maps, and heatmaps in real time rather than on a daily or weekly basis. This ensures that all visualizations and data reflect the latest events and conditions, enabling timely decision-making and proactive response by AMC departments.
26. A sample report to have below mentioned format:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
#	Date & Time	Location Along with Navigation link	Ward - Zone	Event Description	Video Clip	Image	Source	Department	Status	Seen Time

\*Please note that the above table is only for representative and understanding purposes only.

27. The columns C1-C8 shows information on events hence are to be captured/fetched from Dashcams deployed. The column C9 to be automatically filled in by the system based on event captured and department-event mapping. Only the column C10 to be entered by the department head/employees. C11 to be system auto generated based on C10.
28. Department wise events mapping details will be provided by the SCADL before implementation.
29. The Dashboard shall seamlessly capture all events observed through dashcam while ensuring optimal performance, even with the integration of the quantity of dashcam specified in the RFP i.e. the performance of the dashboard should not degrade when all dashcam mentioned as per RFP qty. are installed and integrated
30. The Successful bidder should also ensure that no duplicate events are to be identified by the Application and displayed on the dashboard.
31. The ownership of all hardware/software developed/customized/ configured/ procured as part of the project and related documentation for the project would always lie with the AMC/SCADL. All licenses for software procured related to project have to be in the name of AMC/SCADL. The bidder will be required to produce the warranty and other documents from the respective OEMs clearly mentioning the product name, quantity, duration, type of support, etc.
32. All licenses supplied by the bidder for the purpose of this project shall be perpetual in nature and shall be in the name of AMC / SCADL and this will include during operation and maintenance for the entire duration of the contract.
33. The bidder shall ensure that the system provides published APIs for integration with external systems, including the Command-and-Control Application and Incident Management System. Integration with the existing ICCM for incident management must be supported, enabling secure, real-time data exchange using open standards such as RESTful HTTP/HTTPS APIs.
34. The successful bidder will also have to publish the API for integration with various Applications/ Databases of the e-GujCop application of the Police department, RTO Database (Vahan, Sarathi), one nation one challan application etc. for verification/checking and fetching/providing the required vehicle information.
35. SCADL requires the integration of all municipal events detected on the bidder's dashboard with the SCADL's Comprehensive Complaint Redressal System (CCRS) application. The selected bidder is responsible for developing and publishing an API that facilitates this integration. The expectation is that any events recorded on the dashboard will seamlessly integrate with the CCRS application. Once a field officer resolves an event within the CCRS application, the bidder's dashboard must automatically update the event's status to closed/resolved.
36. The selected bidder will be responsible for coordinating with the NIC team, the Vahan-RTO team, and the CCRS team to ensure the successful integration of events. If required, SCADL will facilitate selected bidder for proper coordination with owners of the third-party systems for required API integration.
37. Selected SI will have to submit entire source code of the Application dashboard to SCADL without any additional cost at the end of contract period. The ownership of the application dashboards (including the source code) will be of SCADL. It is selected SI's responsibility to migrate the entire AI application and dashboard, VMS & EMS from Cloud to SCADL data centre/or the infrastructure proposed by new

SI post O&M and its runs successfully even post contract period without any further requirement of O&M contract with the bidder. Bidder shall have no warranty commitments after the Contract Period, SCADL will sign NDA with selected bidder at the end of contract period and then only selected bidder will have to provide entire source code to SCADL. Also, selected SI will be responsible to provide technical & functional training to SCADL representatives on this matter so that SCADL team can successfully run the application post contract period.

### 5.6 NMS (Network Management system)

1. The Successful bidder shall develop and maintain an Open-source Network Management System (NMS) for measurement of SLA.
2. The bidder will have the base product of the NMS solution on day 1, with the development of additional features as outlined in the SOW of the RFP.
3. The bidder shall customize NMS/ ticket -incident creating and monitoring system hosted on Cloud.
4. The NMS system shall be configured to discover all dashcam and LPU integrated in VMS.
5. The NMS shall be configured to automatically discover and monitor all dashcam and LPU integrated with the Video Management System (VMS). It should poll all dashcam/Cameras and LPU IP addresses at regular intervals to determine their status and functionality. The discovery mechanism must support standard network discovery protocols such as SNMPv2/v3, ICMP, LLDP, and API-based discovery as applicable.
6. NMS will have customizable facilities, for example If SCADL wants to see an alert for a specific time period etc.
7. The NMS tool should provide monitoring for record information, track the progress/status of events and updates from opening through fulfilment to closure.
8. The dashcam/Cameras and LPU should be discovered in NMS and NMS should have the capacity to discover as many dashcams as procured through this RFP as per SoW and successful bidder will have to provide sufficient number of licenses for same.
9. NMS should be able to present the reports through web/NMS and also generate “Pdf/excel/csv” reports of the same.
10. The bidder shall give NMS interface view login access to SCADL/AMC in order to view the dashcam/Camera and LPU status of the number of ups and downs, incident progress status, etc.
11. The NMS software licenses provided by the bidder should be perpetual in nature.
12. Successful bidder shall provide the following reports:
  - I. New dashcam/Camera & LPU Installation –Weekly, Monthly
  - II. Hardware breakdown SLA Report – Weekly, Monthly
  - III. Device level incidence report- Weekly, Monthly

The minimum functional requirements of the NMS system are as follows:

The proposed Network Management System (NMS) shall have comprehensive customization features to enhance report accuracy and relevance according to specific operational needs. One such requirement is the ability to raise alerts based on defined operational hours. For example, if the bus operation hours are from 9:00 AM to 9:00 PM, the NMS should raise alerts of dashcam & LPU (up/down) within this specified timeframe.

#### Alerts and Alarms:

- I. When any dashcam/Camera and LPU goes down or doesn't generate a feed, the system should send out an alert in NMS such as this dashcam/Camera and LPU is to be reported as down since when.
- II. The NMS interface module shall provide a user-friendly interface to view and list all alarms and alerts, with filtering options to display only new alerts. Additionally, the NMS shall support real-time fault detection using SNMP traps and ICMP polls, enable priority-wise alarm classification (Critical, Major, Minor), and provide alert notifications via Email, SMS, and Push Notifications for timely response.

### 5.7 VMS (Video Management system)

1. The Successful bidder shall have to provide cloud base video management system solution.
2. VMS application must be hosted on cloud to monitor live & recorded footage from dashcam on need basis

3. Video footage from all dashcam/cameras will primarily be stored on the local SD card installed in the dashcam/Camera.
4. Cloud based VMS should provide functionality to watch real time video feed as well as video feed recorded in local SD card and for that VMS should provide feature to specify from & to date & time stamp for which recorded video is to be watched.
5. The cloud storage shall store only the event video including pre and post event video of 30 sec each i.e. total 1 minute video. Retention period for these event videos on cloud shall be 90 days. Retention period should be configurable, with options for 7, 15, 30, 60, or 90 days, as per project requirements.
6. The bidder should submit the OEM Authorization for the same along with the technical bid.
7. The dashcam/Camera & LPU shall be capable of integrating with the Video Management System (VMS), and the VMS shall have the capacity to manage as many dashcam and LPU as specified in the RFP scope. Integration shall support standard protocols including ONVIF, RTSP, and HTTP/HTTPS for interoperability. The Cloud VMS shall support bookmarking and tagging of important video events, enabling operators to mark, categorize, and quickly retrieve critical video segments for review, investigation, and reporting. Additionally, the VMS shall provide a mobile application for iOS and Android platforms with features such as live view and playback, event alerts and push notifications, secure user login, and permission-controlled snapshot download.
8. The software licenses provided should be perpetual in nature and bidder shall have to provide unlimited number of user login access for VMS.

### 5.8 Other Important details

a. **Definition of Licenses:**

Where SCADL has used license-related terms in the RFP, bidders shall ensure that AMC/SCADL is granted a perpetual right to use all licensed components, including software solutions (NMS, VMS, mobile app, AI application, and dashboard), for minimum 500 users expandable to 1000 users. The solution shall allow a minimum of 100 concurrent login accesses for internal officers (SCADL, AMC, Police), including administrative access and analytics dashboard, without any additional cost to AMC/SCADL. Considering the scope of the project and involvement of multiple authorities, bidders may propose a higher number of concurrent users to ensure operational efficiency.

b. **Proof of Concept (POC):**

1. For POC, the bidder shall provide and install dashcam/camera and LPU in 1 vehicle and operate along the designated 3 km stretch for the POC.
2. For POC purposes, SCADL will facilitate the required permission to install dashcam/Camera and LPU in 1 vehicle on 3 km stretch.
3. The bidder should install dashcam/Camera in any of the vehicle which will be suggested by SCADL. Once the vehicle starts moving along its usual route, the bidder should record the events for a duration of 1 hour. The bidder is expected to find the use cases as mentioned in TQ-3 of section 8.2 of this RFP. The events captured for that duration are to be shown in form of reports (either on any dashboard, excel, pdf) containing details such as Event identified, location, date & time stamp of the event occurrence, video clipping and image captured.
4. The event reports submitted by the bidder to be created in near real-time manner by the AI based application.
5. For any damages/accidents occur during the time of POC, SCADL to be indemnified and the consequences are to be borne by the bidder.
6. Marks to all bidders for TQ- 4 will be provided through this POC.
7. The bidder will bear the cost of POC testing, SCADL will not reimburse the cost of POC testing to the bidders.

### 6. Manpower deployment

Successful bidder will have to deploy below mentioned minimum manpower for entire contract duration at Ahmedabad location.

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Designation	Qty	Roles & Responsibilities	Desired Qualification
Project Manager (On - site)	1	i) Supervise the entire project/resources on regular basis during implementation & O&M Phase and co-ordinate with the authority nominated by AMC/SCADL. ii) Will ensure that everything is getting implemented as per the agreed plan and SLAs. Preparing MIS Reports, etc. iii) Coordination with their field manpower for fault resolution, project implementation, coordination other stakeholders etc.	· BE /B. Tech with MTech/MBA with Minimum 8 Years of Experience in large scale ICT/IT/ITES infrastructure projects.  Relevant Experience: Minimum 4 Years of experience as a project manager of large-scale CCTV and Analytics Projects.
Field Coordinator (On site)	2	. Act on any critical issues. . Coordinate with various departments and stakeholders for necessary permissions . Should have entire end-end knowledge regarding the dashcams ' status.	. Graduate in Any stream . 4+ years' work experience in similar field.

Note:

1. All resources as mentioned in above table to be available with BIDDER from start of Installation period complete.
2. The Project manager shall be available for discussion, meeting and working jointly with AMC/SCADL team during implementation and O&M phase.
3. Leave of 2 days apart from government leave is allowed in a month during implementation Phase. For absence of more than 2 days in a month, Penalty of INR 1,000 per day will be levied per resources for not keeping required Manpower.

**7. Technical specification for Dashcam/ Camera**

Sr. No	Parameter	Specification	Compliance (Yes/No)	Reference
1	Video Capture Resolution	Resolution: 1920x1080 @ 25 f/s or better, with a minimum of 3 individually configurable video streams available.		
2	Video Compression format	H.265 or better		
3	Compute capability	High-capacity edge processor to enable real-time processing for use cases either embedded within the dashcam/camera or A military-grade rugged LPU installed inside the bus for processing analytics at the edge.		
4	RAM	2GB DDR3 or higher for future proofing		
5	HDR	HDR Compatible		
6	Ports	1 x USB for power and data transfer 1 x microSD slot 1 x SIM card slot		
7	Field of view	110 degrees wide-angle or more basis the coverage as required for use cases implementation		

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<b>8</b>	Connectivity	1) 4G /5G SIM supported for real-time data upload and remote access 2) Wi-Fi 802.11 b/g/n for local connectivity 3) Bluetooth 4.2 or better for pairing with mobile device		
<b>9</b>	Data Transmission	Real-time event video and data upload to the cloud		
<b>10</b>	Mounting	Adhesive mount or Bolted Mount or Suction mount		
<b>11</b>	Power Supply	5-10V DC(USB) or Direct Battery Connection		
<b>12</b>	Operating Temperature	0 to 50°C (temperature), with working humidity up to 95% non-condensing.		
<b>13</b>	GPS	Yes, with integrated G-Sensor module supporting collision detection and incident footage protection including geotagging on event footage		
<b>14</b>	Orientation	As per the use cases defined above		
<b>15</b>	SD Card (MicroSD) for Local Storage	Micro SD Card, minimum 256 GB - local recordings for storage of video feed for at least 7 days. (1 Nos. of card to be provided with each Dashcam/Camera)		
<b>16</b>	Vibration resistance assembly	Camera along with its mounting arrangement should create Vibration resistance assembly in order to accurately create alarms/alerts for the predefined use case.		
<b>17</b>	Electronic image stabilization	Required		
<b>18</b>	Loop recording	Continuous video recording with automatic overwriting		
<b>19</b>	Software	Operating System: Custom Linux-based OS or Android		
<b>20</b>	Compliance and Certifications	ISO 9001, 20000, 27001 BIS certificate, STQC, IS 13252: Part 1 :2010		
<b>21</b>	Warranty	3 years		
<b>22</b>	Additional Features	Night Vision feature which can detect events in low light, with internal IR illuminators for enhanced night vision capability.		
<b>23</b>	Infrared Cut Off Lens	Reduce excessive exposure to the camera sensor to avoid glare and flaring		
<b>24</b>	ANPR capability	the Camera needs to be able to read license plates of Incoming Vehicles with Flash/Headlights ON and in Low Light conditions		
<b>25</b>	Battery Life	3000MAH or better battery with 6 hours backup /standby in case of power loss in the bus. 4 hours of continuous detection operation		
<b>26</b>	Parking Sensor and SoS Button	Camera should have parking sensors to not monitor issues when the bus is stationary or parked. Additional SoS button in case of exigency. SoS feature to trigger alert on dashboard.		
<b>27</b>	Audio Option	Microphone – Supported Speaker – Supported		
<b>28</b>	WDR	Wide Dynamic Range – Supported		

## 8. Eligibility criteria

The bidder must possess the requisite experience, strength and capabilities in providing services necessary to meet the requirements as described in the RFP document. Keeping in view the complexity and volume of the work involved, following criteria are prescribed as the eligibility criteria for the bidder interested in undertaking the project.

The bids must be complete in all respects 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:

The Pre-Qualification Criteria for the selection of the vendor or consortium are given below. For evaluation the total Project value shall be considered as Capex Cost + Operation & Maintenance Cost. OEM experience will not be considered for Pre-Qualification Criteria and Technical Evaluation as bidder's experience unless bidder is also an OEM.

### 2.1 Pre-Qualification Criteria

Sr No	Description	Minimum Requirement	Documentary Proof
PQ 1	Consortium	1.1 Consortium is allowed for participation in this tender. Consortium should be of maximum of two (2) parties. 1.2 Collectively they should meet the aggregate requirement for financial and technical capability for eligibility.	a) Original or Notarized Copy of consortium partnership with clearly defined stake and scope of each partner. b) Undertaking by lead bidder of consortium to be sole responsible for execution of work defined in RFP and meeting the performance criterion.
PQ 2	Legal Entity	2.1 Bidder/consortium partners should be an Indian firm 2.2 Bidder/consortium partners should be registered under the Companies Act 1956 in India or a Limited Liability Partnership Firm under Limited Liability Partnership Firm Act 2008 or a proprietorship at the time of the bidding 2.3 Bidder/consortium partners should have a registered number of, GST, Income Tax / Pan number 2.4 Bidder/consortium partners should be in operation in India for a period of at least 3 years as on publication of this tender.	a) Copy of certification of incorporation issued by competent authority/ Registration Certificate/ Shop & Establishment certificate b) Copy of PAN card c) Copy of GST registration
PQ 3	Financial Capability	3.1 The Bidder should have average annual turnover of Rs. 5 crores from ICT/IT/ITES Projects in the last three (3) financial years (i.e. FY 2022-23, FY 2023-24, FY 2024-25). 3.2 The bidder and consortium partner should have positive net worth or should be profit making as of the last three financial years as on 31st March 2025. 3.3 In case of consortium -: 3.4 The lead bidder and consortium partner together shall meet the aggregate average annual turnover of Rs. 5 Crores in last 3	a) Copy of audited Balance Sheet, audited Profit & Loss statements for each of the last three (3) financial years (i.e. FY 2022-23, FY 2023-24, FY 2024-25). 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

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Sr No	Description	Minimum Requirement	Documentary Proof
		financial years ending 31 March 2025 (i.e. FY 2022-23, FY 2023-24, FY 2024-25).	Notarized Copy should be submitted for evaluation.
PQ 4	Bidder's Experience	<p>The Bidder or Consortium should have experience in supply, installation, testing &amp; commissioning (SITC) and operation of their own COTS based AI based video analytics Application for traffic and Municipal violation detection in the last five years as on bid submission date (WO / go-live certificate must have been issued within last 5 years), in Municipal Corporation/ Central / State/ PWD / M.E.S. / Semi Govt. / Private Organizations / any international project executed or on going for any Government or private entity as below</p> <p>One project with the proposed COTS based AI based video analytics Application Solution value of Rs 5 Cr or Two similar projects with the proposed COTS based AI based video analytics Application Solution value of Rs 3 Cr each or Three similar projects with the proposed COTS based AI based video analytics Application Solution value of Rs 2 Cr each</p> <p>The Bidder or consortium should submit a certificate from client on completion status of on-going project and performance of Bidder.</p> <p>For completed projects If WO date is older than five (5) years from RFP released date (excluding RFP released date), then work completion certificate must not be older than 4 years from RFP released date. If WO date &amp; Work completion date falls within five (5) years from RFP released date (excluding RFP released date), it is ok. For ongoing projects WO date must be earlier than 6 months from RFP released date (excluding RFP released date).</p> <p>In case of consortium -: - The aggregate experience of both consortium partners should meet the similar work and value specified in PQ 4.</p>	<p>The Bidder - In case of Completed project – Copy of work order + Completion Certificates from client mentioning the values for functionalities implemented.</p> <p>In case of ongoing projects - Work order + Certificate from the client mentioning the values for functionalities implemented + Performance certificate of the Bidder from the client</p>
PQ 5	OEM Partnership	5.1 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	Authorization Letter from OEM at company's letter head signed by authorized signatory in format described in RFP

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Sr No	Description	Minimum Requirement	Documentary Proof
		<p>available for use in the proposed contract.</p> <p>5.2 OEM Partnership Certificate – Bidder should submit Authorization letter from OEM (camera, server, storage, networking and others).</p> <p>5.3 Bidder should submit a certificate from OEM ensuring technical support as well as supply of the required product / spares for entire contract duration.</p> <p>5.4 Bidder 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.</p> <p>5.5 Bidder should submit a certificate from OEM confirming compliance with performance criterion described in this tender.</p> <p>5.6 Bidder 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><b>PQ 6</b></p>	<p>Mandatory Undertaking</p>	<p>The bidder and consortium partner should:</p> <p>6.1 Not have been blacklisted by Central Government / Any State Government / PSU in India as on the date of bid submission.</p> <p>6.2 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>6.3 The bidder should have at least one office in Gujarat and preferably support centres/logistics for the entire state. If the Bidder/Bidder or consortium member is not having any office in Gujarat, then bidder 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>6.4 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</p>	<p>Self-declaration by the Bidder duly signed and stamped by the authorized signatory in in format described in RFP.</p>

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Sr No	Description	Minimum Requirement	Documentary Proof
		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.	
		The Bidder and OEM of proposed solution from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with Competent Authority as per OM No. 6/18/2019-PPD dated 23rd July 2020 issued by Department of Expenditure, GoI	Self-certification from Bidder and OEMs on non-judicial stamp of Rs. 300/- in the prescribed format (Annexure – 13.14), separately.

**Note:**

- i. 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. The technical proposal should be submitted in hard copy with soft version stored in pen drive.
- ii. For all cited projects under bidder's experience criteria; the bidders have to submit LoI/work order with full BoQ, contract agreement go-live/amount of work completion certificate and copy of invoice submitted to the client as a supporting document for each project. Sub-contracted projects by bidder will not be considered for evaluation.
- iii. The bidder needs to provide contact detail (email & phone number) of senior official from client.
- iv. 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.
- v. 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.
- vi. 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.
- vii. In case of conditional bid or major deviations from the RFP requirements, SCADL may at its discretion reject the respective bid and will not be considered for further evaluation process.
- viii. 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.
- ix. 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.
- x. Only projects for which the Work Order has been issued before 3 months of the release date of this RFP (supported by copy of Work Order), will be considered for evaluation.
- xi. If the Indian subsidiary of the Parent company fails to perform as per the mentioned Service Level Agreement (SLA), then the parent company will be held responsible and would have to take all the liability.
- xii. The Lead bidder or the Consortium member of a bid 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.
- xiii. 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.

**Note 2: Consortium Clause**

1. The Bidder is allowed to make a consortium with a maximum of two parties: a Lead Bidder and a Consortium Bidder.
2. Companies (parent or child organization) that are part of a leading bidder's group or consortium partner cannot join another consortium as a bidder in this Request for Proposal.
3. In case of consortium, the Lead Bidder must be specified by the bidder.
4. 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 partners.
5. The consortium bid submitted without valid MoU / Consortium Agreement shall be treated as non-responsive.
6. 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.
7. The payments for the said project shall be released only in the name of Lead Bidder.
8. Lead Bidder shall be solely responsible for any failure liable to the Government for the execution of the project in accordance with the terms & conditions of the bid document and a statement of this effect shall be included in the MoU / Consortium Agreement.
9. In case of failure of either party of the consortium in delivering any obligation of the SoW of this RFP, the other party of the consortium will be liable to fulfil all the obligations of the SoW of this RFP irrespective of the terms & conditions of the MoU signed between consortium members. In this case, the remaining payments of the contract shall be released to the functioning party only.

**8.2. Technical Evaluation Criteria**

Sr. No.	Evaluation Criteria	Sub-Criteria	Max. Marks	Marking Guidelines
1	<b>Experience of Bidder - I</b>	The bidder having experience of similar work experience (as defined in PQ 4 of section 8.1) of min. value of Rs. 2 Cr.	15	<ul style="list-style-type: none"> <li>▪ One (1) Project – 3 Marks</li> <li>▪ Three (3) marks for every additional project.</li> </ul>
2	<b>Experience of Bidder - II</b>	<b>Experience in No. of Similar Use Cases</b> Bidder or consortium partner should have experience of similar use cases as asked in section 5.1 of the RFP (i.e. 43. (Performance certificate/Functionalities implementation	20	<ul style="list-style-type: none"> <li>▪ Min. Three (3) Use Cases from section 5.1 – 4 Marks</li> <li>▪ Four (4) marks for every additional use case.</li> </ul>

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Sr. No.	Evaluation Criteria	Sub-Criteria	Max. Marks	Marking Guidelines
		certificate required indicating the number of use cases deployed-From end client only.)		
3	<b>Experience of Bidder - III</b>	Lead Bidder/Sole Bidder shall preferably propose the AI based analytics software deployment on Edge compute embedded within the dashcam/camera.	15	<ul style="list-style-type: none"> <li>▪ Edge compute embedded within dashcam/camera - 10 Marks</li> <li>▪ Edge computed through military-grade rugged LPU - 5 Marks</li> </ul>
2	<b>Financial Capabilities of the Bidder</b>		10	<p>All bidders who are meeting the prior experience Criteria point 2 of section 8.1 of PQ for avg. annual turnover in last three financial years will get 5 marks.</p> <ul style="list-style-type: none"> <li>▪ One (1) mark for every three (3) crores avg. annual turnover in last three financial years.</li> </ul>
3	<b>Proof of Concept (POC)</b>	As part of bid evaluation, the PQ qualified bidders need to undertake a demonstration cum seven-day pilot of Proof of Concept (PoC) & Demonstration of Offered Solution and Products.	30	<ol style="list-style-type: none"> <li>i. Detection of garbage on road – 3 marks</li> <li>ii. Detection of Illegal Stalls (detection only) – 3 marks</li> <li>iii. Cases of Water Logging – 3 marks</li> <li>iv. Detection of construction in progress – 3 marks</li> <li>v. Detection of broken speed breaker – 3 marks</li> <li>vi. Detection of encroachments– 3 marks</li> <li>vii. Detection of Smoke/Fire– 3 marks</li> <li>viii. Detection of Parking rule violation– 3 marks</li> <li>ix. Detection of two-wheelers riding without Helmet– 3 marks</li> <li>x. Detection of vehicles driving on wrong side– 3 marks</li> </ol>
4	<b>Presentation</b>	The bidder 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"> <li>▪ Understanding of Scope of Work– 1 Mark</li> <li>▪ Risk Identification &amp; Mitigation Plan - 2 Marks</li> <li>▪ Proposed Communication Network &amp; data centre - 1 Mark</li> <li>▪ Proposed VMS, dashboard &amp; software– 2 Marks</li> </ul>

Sr. No.	Evaluation Criteria	Sub-Criteria	Max. Marks	Marking Guidelines
				<ul style="list-style-type: none"> <li>▪ Detailed Migration and Execution Plan to New Solution – 1 Mark</li> <li>▪ O&amp;M Plan – 1 Mark</li> <li>▪ Quality of Response against queries raised by Bid Evaluation Committee– 2 Marks</li> </ul>

- i. Minimum qualifying score from TQ to become eligible for next stage of financial bid opening will be **60 marks (out of 100 marks)**.
- ii. Minimum qualifying score from POC (TQ – Point 3) to become eligible for next stage of financial bid opening will be **20 marks (out of 30 Marks)**.

## On-Field Testing

As part of the bid evaluation process the Bid Evaluation Committee (BEC) appointed by AMC/SCADL shall evaluate the proposed solution of bidders as per the Criteria defined in following table. The participating bidders will have to submit testing report subject to the scrutiny by SCADL / AMC officials. The on-site field test shall be carried out 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 the 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.

The bidder is expected to install proposed solutions as suggested by AMC/SCADL. The exact details would be communicated to the bidders during the On-Field testing process. The alert, reports or change in status are 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.

## 3.1 Evaluation Process

### 3.1.1 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 bidder’s eligibility as per the “Pre-Qualification Criteria”. Each of the Pre-Qualification condition mentioned in above Section is MANDATORY. In case, the Bidder does not meet any one of the conditions, the bidder shall be disqualified.
- iii. Technical and Financial bids for those bidders who don’t pre-qualify will not be opened.

### 3.1.2 Stage 2: Technical Evaluation

- i. “Technical bid” will be evaluated only for the bidders who succeed in Stage 1.
- ii. AMC/SCADL will review the technical bids of the short-listed bidders to determine whether the technical bids are substantially responsive. Bids that are not substantially responsive are liable to be disqualified at Authority’s discretion.
- iii. Bidders 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 Bidders who qualify for the Pre-Qualification Stage.
- iv. It is mandatory to participate in pilot & demonstration during bid evaluation, non-compliance may lead to rejection of bid.
- v. The bidders' 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.
- vi. Each Technical Bid will be assigned a technical score out of a maximum of 100 marks. Only the bidders who get an Overall Technical score of 60% or more in the Technical Evaluation Framework as given in above Section will qualify for financial evaluation stage. Minimum qualifying score from POC (TQ – Point 3) to become eligible for next stage of financial bid opening will be 20 marks (out of 30 Marks). Failing to secure minimum marks shall lead to technical rejection of the Bid.
  - vii. Technical bids of the Bidders qualifying in the Pre- Qualification Criteria will be opened and will also be invited to do the technical presentation.

### 3.1.3 Stage 3: Financial Evaluation

- i. The technical score would be normalized on a scale of 100, with the highest score being normalized to 100 and the rest being awarded on a pro-rata basis. Such normalized scores would be considered for the purpose of QCBS based evaluation.
- ii. The individual bidder's technical scores will be normalized as per the formula below:
  - a.  $T_n = T_b / T_{max} * 100$
  - b. Where,  $T_n$  = normalized technical score for the bidder under consideration
  - c.  $T_b$  = absolute technical score for the bidder under consideration
  - d.  $T_{max}$  = maximum absolute technical score obtained by any bidder
- iii. Financial evaluation
- iv. The Bidder with lowest qualifying financial bid (L1) will be awarded 100% score (amongst the Bidders which did not get disqualified on the basis of mandatory technical qualifying score). Financial Scores for other than L1 Bidders will be evaluated using the following formula:
  - a. Financial Score of a Bidder ( $F_n$ ) = (Commercial Bid of L1 ÷ Commercial Bid of the Bidder) × 100} (Adjusted up to two decimal places)
- v. Final Evaluation - The bids will be evaluated on a Quality and Cost Based Selection [QCBS] basis. The QCBS is a system enumerated in clause Number 192 of General Financial Rules 2017, Ministry of Finance, Government of India.
- vi. Proposals will be ranked according to their combined technical and financial scores using the weights ( $T=0.70$  the weight given to the technical bid and  $P=0.30$ , the weight given to the Financial Proposal. The final evaluation will be based on Final Score which shall be calculated as shown below:
- vii. Final Score ( $S$ ) =  $T_n \times T + F_n \times P$
- viii. The bidder achieving the highest combined technical and financial score will be invited for negotiations for awarding the contract. In case of a tie where two or more bidders achieve the same highest combined technical and financial score, the bidder with the higher normalized technical score will be invited first for negotiations for awarding the contract.
- ix. The bid should clearly indicate the price to be charged without any qualifications whatsoever and should exclude all taxes, duties, fees, levies and other charges as may be applicable in relation to the activities proposed to be carried out. SCADL reserves the right to ask the Bidder to submit proof of payment against any of the taxes, duties, levies indicated.
- x. The taxes quoted in the offer should be as per the prevailing tax rates. Any subsequent increase in the tax rates or introduction of new tax will be paid by SCADL. Similarly, any benefits arising due to downward revision in tax rates, or any exemptions availed by the Bidders organization should be passed on to SCADL.
- xi. Commercial bid to be entered online only.
- xii. An adjustable price quotation or conditional proposal shall be treated as non-responsive, and the bid may be rejected.
- xiii. Bidders are advised to exercise adequate care in quoting the prices. No excuse for corrections in the quoted figures will be entertained after the commercial proposals are received.
- xiv. Errors & Rectification: Arithmetical errors will be rectified on the following basis:
  - xv. 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.
  - xvi. If there is a discrepancy between words and figures, the amount in words will prevail.
- xvii. Bidders shall indicate the unit rates and total Bid Prices of the equipment/ services, it proposes to provide

- under the Contract. Prices should be shown separately for each item as required in the tender.
- xviii. Bidder should not leave any field blank. In case the field is not applicable, Bidder must indicate “o” (Zero) in all such fields.
  - xix. If there is no price quoted for certain material or service, the bid shall be declared as disqualified. The bidder has to bid for total products and solutions.
  - xx. The Bidder needs to account for all Out-of-Pocket expenses related to Boarding, Lodging and other related items in the commercial bids. Any additional charges must be borne by the bidder. For evaluation of Commercial Bids, SCADL shall make appropriate assumptions to arrive at a common bid price for all the Bidders. This however shall have no co-relation with the Contract value or actual payment to be made to the Bidder.
  - xxi. It is mandatory to provide break up of all taxes, duties and levies wherever applicable and/or payable. The taxes quoted in the offer should be as per the prevailing tax rates. Any subsequent increase in the tax rates or introduction of new tax will be paid by SCADL. Similarly, any benefits arising due to downward revision in tax rates, or any exemptions availed by the Bidders organization should be passed on to SCADL. The bid amount shall be inclusive of packing, forwarding, transportation, insurance, delivery charges and any other charges as applicable. Any other charges as applicable shall be borne by the bidder.

### **3.1.4 Rights to Accept/Reject any or all Proposals**

SCADL reserves the right to accept or reject any proposal, and to annul the bidding process and reject all Bids at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected bidder or bidders of the grounds for SCADL’s action.

### **3.1.5 Notifications of Award and Signing of Contract**

- i. Prior to the expiration of the period of proposal validity, the bidders will be notified in writing through FAX or email or letter that its proposal has been accepted.
- ii. SCADL shall facilitate signing of the contract within the period of 30 days of the notification of award. However, it is to be noted that the date of commencement of the project and all contractual obligations shall commence from the date of issuance of Purchase Order/Letter of Acceptance (LOA)/Letter of Intent (LOI), whichever is earlier. All reference timelines as regards the execution of the project and the payments to the Implementation Bidder shall be considered as beginning from the date of issuance of the Purchase Order/Letter of Acceptance, whichever is earlier.
- iii. The notification of award (LOI/LOA/Purchase Order) will constitute the formation of the Contract. Upon the Bidder’s executing the contract with SCADL, it will promptly notify each unsuccessful bidder and return their EMDs.
- iv. At the time SCADL notifies the successful Bidder that its bid has been accepted, SCADL will send the Bidders the Pro forma for Contract, incorporating all clauses/agreements between the parties. Within 15 days of receipt of the Contract, the successful Bidder shall sign and date the Contract and return it to SCADL.

#### **Note**

- i. Any conditional bid would be rejected.
- ii. Errors & Rectification: Arithmetical errors will be rectified on the following basis:
  - a. “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.
  - b. If there is a discrepancy between words and figures, the amount in words will prevail.”
- iii. If the Bidder does not accept the error correction, its Bid will be rejected and EMD may be forfeited.
- iv. Bidder must attach valid documents in support to their Pre-Qualification and Financial, Technical capabilities/strength, as mentioned above. Without proper supporting documents, the Bid proposals are liable to be rejected.
- v. 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.

- vi. All the proposed equipment should not be declared End-of-Support by the OEMs for next 6 years from the date of bid submission.
- vii. The Manufacturer's Authorization Form (MAF) is required for any hardware or software component being supplied as part of this project.
- viii. Kindly note that the indicative/estimated quantity provided in the RFP would be used for evaluation purposes; however, the payment would be made on actual usage basis

## 9. Service Level Agreement (SLA) & Penalties

### 9.1. Implementation Phase SLA

"Ti" – **Installation order issued date:** SCADL will issue an installation order containing specific location details.

#### Implementation Phase SLA Table

Sr. No.	Milestone Description	Timeline	Penalty for Delay	Documents Required
1	Contract Signing & PBG Submission	Ti → Ti + 2 weeks		Signed Contract; PBG copy
2	AI App & Dashboard Deployment	T1 + 4 weeks	₹20,000/week beyond timeline; termination after +6 weeks	UAT sign-off; Dashboard screenshot
3	Batch Delivery & Warehouse Inspection All units	T1+4 weeks	₹10,000/day	Delivery challans; Inspection photos
4	Batch Installation & Integration	Ti + 10 weeks per batch – Based on the Batch delivery timelines	₹10,000/Day per batch; ₹10,000/event-type/day if events not generated	Installation reports; Integration proof
5	P1 Use Cases Go-Live (Mandatory)	≤ 3 months from project start	₹5,000/use-case/week if accuracy <80%	Dashboard report; Accuracy validation
6	P2 Use Cases Go-Live	≤ 12 months after P1 Go-Live	₹5,000/use-case/week if accuracy <80%	Dashboard report; Accuracy validation

#### O&M SLA Table

Type of Issue	Resolution Time	Penalty
<b>Hardware Breakdown</b>	>72 hrs	₹1,000 per dashcam/Camera/LPU per 48 hrs
<b>Dashboard/AI Use cases /VMS/NMS Uptime</b>	<95% per quarter	10% of quarterly payment; <80% may lead to termination
<b>Backup Missing</b>	—	₹500 per dashcam/camera per day
<b>AI Accuracy &lt;80%</b>	—	₹1,000 per use-case per monthly
<b>False Positives</b>	—	₹1,000 per event
<b>Manpower Shortage</b>	—	₹1,000/day per resource

## Software/Application Support SLA

Priority	Resolution Time	Penalty
#1 Critical Outage	24 hrs	₹10,000/day
#2 Partial Impact	48 hrs	₹5,000/day
#3 Minor Issues	96 hrs	₹2,000/day

## Penalty Caps

- **Implementation penalties:** Max 10% of CAPEX (Xo).
- **O&M penalties:** Max 25% of quarterly OPEX; termination if breached for 3 consecutive quarters.

The purpose of this Service Level Agreement (hereinafter called SLA) is to clearly define the levels of service which shall be provided by the successful Bidder to End Customer and SCADL for the duration of the contract. The SLA is intended to establish a clear set of measurable parameters against which the performance of the Implementation Bidder can be measured.

- The bidder needs to maintain a reliable database to monitor the project progress and their performance against the SLAs.
- Bidders need to report the compliance/non-compliance to SLAs on weekly and monthly basis.
- Bidder needs to deploy a system (web based or portal or mobile app or project management software) for monitoring the SLA (CAPEX and OPEX phase), real time project progress monitoring and should share access with designated officials from AMC/SCADL.
- Maximum penalty is restricted to 10% of the CAPEX for project implementation phase and 10% of the OPEX for O&M phase. Non-compliance to SLA beyond the penalty limit defined for CAPEX & OPEX phase may lead to termination of contract on discretion of AMC/SCADL.
- Penalties shall be levied only for the reasons attributable to the implementing Bidder. Any risks/ issues foreseen by the implementing Bidder shall be brought to the notice of the SCADL immediately. If no such issues/risks are highlighted by the implementing IA, then it is expected that no delays will be there in the implementation schedule

## Partial/Full damage to hardware

- Hardware installed through this Project would become an important public asset. During the contract period of the Project the BIDDER shall be required to repair / replace any equipment if stolen / damaged/faulty. Appropriate insurance cover must be provided to all the equipment supplied under this project
- In case of Partial/ Full damage or loss of the equipment due to reasons beyond the control like Theft, intentional damage by mishandling, Fire etc., the BIDDER should be in a position to supply working standby equipment with same configuration or higher with all services restored, as if it is a normal breakdown.
- In such a case the BIDDER will have to make provision for the supply of the new hardware against the lost/ damaged equipment/ component. Monthly rental of 5% of basic Hardware cost may be payable to the BIDDER for the equipment supplied as standby or SCADL may choose to procure new equipment at the same rates as is mentioned in the price bid. If the BIDDER does not provide standby equipment, the penalties for breakdown as per SLAs will be imposed.
- Service Engineers/ Representatives of BIDDER shall invariably carry their identity cards with them, without which they will not be allowed to access department Systems. Service Engineers of the BIDDER shall have access to the Computer Systems/ Backup Solution only after obtaining clearance from department authorized officials. No component of the System/ data/ log information will be taken out of department premises without clearance from authorized Officials of the department

## 9.2. Approach for Validating the Accuracy of Use Cases.

1. SCADL / any authorized agency from SCADL will randomly check the detection accuracy of AI application for all use cases by viewing video feed recorded in local SD card through VMS and comparing the number

of generated events (only true positives) manually in the dashboard with the actual number of the events as per video feed.

2. For ex.: Let's say there are 10 cases of "cattle" in a video feed of 1 hour that is manually watched / checked by representatives of SCADL. Let's say proposed AI application has generated total 7 event of "cattle" during this 1 hour. So that will prove 70% detection accuracy.
3. No milestone will be approved during implementation phase till the time accuracy is achieved as per RFP. The Milestone Approval Date is the date when the final (Last) use case accuracy is achieved and approved by SCADL.

### **9.3. Operation & Maintenance**

During the contract period as per this RFP, the below penalties will be applicable.

The operation and maintenance activities shall commence on day-1 following the completion of Supply, Installation, Testing, and Commissioning (SITC) of the dashcam. Throughout the duration of the operation and management period, the implementing bidder is obligated to maintain the technology and performance levels of the installed system above the specified benchmarks as outlined in this RFP. The implementing bidder shall be responsible for designing the software in a manner that ensures the application's uptime and performance are measurable and can be consistently monitored.

Availability of required application hardware & software:

## 10. Payment Terms

### Proposed Milestones & Payment Terms

Milestone No.	Description	Timeline	Deliverables / Evidence	Payment %
<b>M1</b>	Contract Signing & PBG Submission	To → To + 2 weeks	Signed Contract; Performance Bank Guarantee	
<b>M2</b>	Cloud AI App & Dashboard along with relevant licenses, Installation, Configuration and Testing	M1 + 4 weeks	UAT sign-off; Base dashboard features; 1 use-case showcased	10% of CAPEX
<b>M3</b>	Delivery & Warehouse Inspection (all the units)	M1 + 4 weeks	Delivery challans; Inspection photos	15% of the CAPEX
<b>M4</b>	Batch Installation, testing and commissioning & Integration with VMS/NMS/Dashboard (250 units per batch) B1	Ti + 4 weeks per batch	Installation reports; Integration proof, Invoices, and Department Approval note.	10% of the CAPEX
	Batch Installation, testing and commissioning & Integration with VMS/NMS/Dashboard (250 units per batch) B2	Ti + 6 weeks per batch	Installation reports; Integration proof, Department Approval note.	10% of the CAPEX
	Batch Installation, testing and commissioning & Integration with VMS/NMS/Dashboard (250 units per batch) B3	Ti + 8 weeks per batch	Installation reports; Integration proof, Department Approval note.	10% of the CAPEX
	Batch Installation, testing and commissioning & Integration with VMS/NMS/Dashboard (250 units per batch) B4	Ti + 10 weeks per batch	Installation reports; Integration proof, Department Approval note.	10% of the CAPEX
<b>M5</b>	P1 Use Cases Go-Live (Mandatory) along with Cloud VMS Licenses and Open-source NMS Licenses (A3)	≤ Ti+3 months from project start	P1 use-cases live; Accuracy ≥80%; Reports from ≥80% cameras	Included in M6
<b>M6</b>	Project Go-Live (All 1,000 devices installed & P1 operational)	On completion of M4 & M5	Consolidated Go-Live report; Events & heatmaps	10% of CAPEX
<b>M7</b>	P2 Use Cases Go-Live	M6 + 6 months	P2 use-cases live; Accuracy ≥80%	25% of CAPEX

### OPEX Payment Terms Table

Component	Frequency	Payment %	Conditions & Evidence
<b>Project Manager (1 No.)</b>	Monthly	100%	Biometric attendance report; SLA compliance report; Dashboard event report
<b>Field Coordinators (2 Nos.)</b>	Monthly	100%	Biometric attendance report; SLA compliance report
<b>Cloud Hosting &amp; Application Support</b>	Monthly	100%	Uptime report (≥95%); SLA compliance
<b>Dismantling &amp; Reinstallation of Dashcams</b>	As needed	100% per job	Work order and completion report

- The payment will be made as per the quantities defined in the financial bid of this RFP.
- AMC/SCADL at its discretion may or may not give work order for any or all items quoted by the selected IA. The contract value, PBG, Scope of Work and other associated terms will be revised

accordingly.

- AMC/SCADL may issue commissioning and Go-Live approval in parts for allotted work.
- Part commissioning and Go-Live will be based on recommendations of AMC/SCADL for purpose of better use of deployed software and hardware solutions. In such cases the bidder will have to initiate the services for O&M phase and may raise the request of payment on quarterly basis.
- In case of delay in project implementation phase, AMC/SCADL at its discretion may or may not increase the total duration of the project.
- The payment will be made as per the quantities defined in the financial bid of this RFP.

**Payment for additional items**

Based on the final project plan or during the project duration if there is need for additional items and there is variation in the quantities (limited to thirty percent of quantity discovered in financial bid) as defined in the financial bid, implementation BIDDER will be required to arrange additional items.

Payment for such additional items will be made separately by SCADL.

In such case of any additional requirement, payment will be done based on the rate provided in the financial bid of the Implementation IA.

Payment mechanism to be followed for additional items is given below:

**CAPEX COMPONENT**

- 50% CAPEX payment on the successful delivery of additional item, post approval from SCADL
- 50% CAPEX payment on the successful installation of the additional item, post approval on the installation report.

**OPEX COMPONENT**

- OPEX part will be equally divided in remaining part of the quarterly payment during O&M.
- OPEX payment will be prorated based on the duration left in O&M. That is, if additional item is procured in 4th Quarter, then OPEX will be paid for 17 quarters only (starting from 4th Quarter till 20th Quarter).

**11. Licenses & Warranty / Support**

The selected bidder shall be fully responsible for complying with all terms and conditions of this RFP, including supplying all necessary software licenses—perpetual or subscription-based, as applicable—required for the full and uninterrupted operation of the proposed solution. All licenses must be valid, genuine, and include updates, patches, upgrades, and security fixes for the entire contract period.

The bidder shall also provide comprehensive warranty and technical support for all supplied hardware and software for the minimum duration specified in the RFP and ensure adherence to SLA and uptime requirements. Failure to meet these obligations will attract penalties as defined in the RFP

**12. Instructions to the bidder**

The AMC/SCADL invites reputed firms to submit their proposals in accordance with conditions and manner prescribed in this Request for Proposal (RFP) document.

**12.1 Availing RFP Documents**

RFP document can be downloaded from the web site (n)Procure (<https://www.nprocure.com/>) up to the date and time mentioned in the RFP Notice.

**12.2 Completeness of the RFP Response**

Bidders are advised to study all instructions, forms, terms, requirements, and other information in the RFP documents carefully. Submission of bid shall be deemed to have been done after careful study and examination of the RFP document with full understanding of its implications. The response to this RFP should be full and complete in all respects. Failure to furnish all information required by the RFP document or submission of a proposal not substantially responsive to the RFP documents in every respect will be at the bidder's risk and may result in rejection of their proposal.

### 12.3 Tender Fee

Bidder should submit the tender fee (INR 18,000) in the form of Demand Draft in Favor of “Smart City Ahmedabad Development Limited” drawn on any scheduled / nationalized bank and payable at Ahmedabad.

### 12.4 Bid Validity Period

The bid validity period shall be 180 days from the date of submission of bids. In exceptional circumstances, the AMC/SCADL may solicit the Bidder’s consent for an extension of the period of bid validity. Any such request by the AMC/SCADL and the response thereto shall be made in writing and such extension of Bid validity period by the Bidder should be unconditional. A Bidder may refuse AMC/SCADL’s request for such extension. A Bidder accepting the request of AMC/SCADL shall not be permitted to modify its Bid.

### 12.5 Proposal Preparation Cost

The bidder is responsible for all costs incurred in connection with participation in this process, including, but not limited to, costs incurred in conduct of informative and other diligence activities, participation in meetings/discussions/presentations, preparation of proposal, in providing any additional information required by AMC/SCADL to facilitate the evaluation process. AMC/SCADL will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process. All materials submitted by the bidder shall become the property of the AMC/SCADL and may be returned at its sole discretion.

### 12.6 Submission of RFP Queries

A prospective Bidder requiring any clarification on the RFP Document may submit their queries, via email, to the following e-mail id.

Email Id for submission of queries: smartcity@ahmedabadcity.gov.in, scadl.amc@gmail.com

The queries must be submitted in the following format only, queries deviating from this format will not be considered:

Request for Clarification			
Name and Address of the Organization submitting request		Name and Position of Person submitting request	Contact Details of the Organization / Authorized Representative
			Tel: Mobile: Fax: Email:
Sr No	RFP Reference(s) (Section, Page)	Content of RFP requiring clarification	Points of clarification required
1			
2			

### 12.7 Amendment of RFP Document

At any time before the deadline for submission of bids, the AMC/SCADL, may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the RFP Document by an amendment, which will form the part of the original bid documents and shall override any contradicting effects in the original bid document.

In order to provide prospective bidders reasonable time in which to take the amendment into account in preparing their bids, the AMC/SCADL may, at its discretion, extend the last date for the receipt of bids.

The bidders are advised to visit the website (n)Procure website (<https://www.nprocure.com/>) on regular basis for checking necessary updates. AMC/SCADL also reserves the rights to amend the dates mentioned in this RFP for bid process.

### 12.8 AMC/SCADL's rights to terminate the Process

AMC/SCADL may terminate the RFP process at any time and without assigning any reason. AMC/SCADL makes no commitments, express or implied, that this process will result in a business transaction with anyone. This RFP does not constitute an offer by AMC/SCADL.

### 12.9 Right to Accept or Reject Any Bid or All Bids

AMC/SCADL reserves the right to accept or reject any bid and annul the bidding process and reject all bids at any time prior to award of contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the ground for AMC/SCADL's action.

### 12.10 Sealing, marking and submission of Proposal

The proposal documents shall be put in a large envelop having two separate envelopes containing

1. **1st Envelop:** Duly signed RFP documents, Addenda & Corrigendum if any along with all necessary supporting documents (prequalification checklist & related documents, technical proposal) super scribed as "Proposal Documents."
2. **2nd Envelop:** Tender Fee & EMD shall be super scribed as "Tender Fee & EMD"

The large envelope / outer envelope containing above envelopes must be sealed and super scribed and shall be sent as under:

Details to be mentioned exactly on sealed envelop	
<b>RFP Details</b> <ul style="list-style-type: none"><li>• <b>Notice No.:</b> SCADL_RFP_24-25_05</li><li>• RFP for Selection of Agency for the SITC of Dashcam along with AI based solution for surveillance of Municipal Infrastructure</li><li>• <b>Last date of Submission:</b> 09/01/2026 at 17:00 Hrs</li></ul>	To, The Chief Executive Officer, Smart City Ahmedabad Development Ltd., Command and Control Centre, Opp. Divan Ballubhai School, Nr. Sanskar Kendra, Paldi, Ahmedabad: 380007

The Bid must be sent strictly by **Postal Speed Post or Registered Post AD or in person by the representative of the bidder only** on or before the due date. Documents received in any other manner or mode (like courier, email etc.) will not be considered. SCADL won't be responsible for any postal delays.

AMC/SCADL will not accept submission of a proposal in any manner other than that specified in the RFP document. Proposals submitted in any other manner shall be treated as defective, invalid and rejected.

If the envelopes are not sealed and marked as instructed above, the AMC/SCADL assumes no responsibility for the misplacement or premature opening of the contents of the application and consequent losses, if any suffered by the Bidder.

Each Bidder shall submit only one RFP proposal containing documents as below. A bidder who submits more than one RFP under this contract will be disqualified

- (i) Original copy of the tender fee & EMD
- (ii) Pre-qualification criteria related documents
- (iii) Duly signed RFP, Addenda & Corrigendum
- (iv) Technical proposal related documents
- (v) The Bidder shall prepare original set of the Application (together with originals /copies of documents required to be submitted along therewith pursuant to this RFP document) and applicant shall also provide a soft copy on a Pen Drive / USB stick. In the event of any discrepancy between the original and Pen Drive/USB stick, the original shall prevail.
- (vi) Each page of the above should bear the initials of the Applicant along with the seal of the Applicant in token of confirmation of having understood the contents.

- (vii) No physical copy of the commercial bid to be submitted along with the other bid documents, Commercial bid needs to be submitted online only. If any bidder submits a hard/physical copy of commercial bid, the bidder will be disqualified.

Pre-qualification and technical proposal should be signed by an authorized person of the bidder. The pre-qualification proposal should be submitted along with a certified true copy of a board resolution/power of attorney empowering authorized signatory to sign/act/execute documents binding the bidder organization to the terms and conditions detailed in this proposal.

Proposals must be direct, concise, and complete. AMC/SCADL will evaluate bidder's proposal based on its clarity and completeness of its response to the requirements of the project as outlined in this RFP. The Chairman, AMC/SCADL reserves the right to accept or reject any or all the proposals without assigning any reason.

#### **12.11 Late Proposal for RFP**

Proposal not reaching on or before the specified time limit will not be accepted.

#### **12.12 Language of Bids**

The responses prepared by the bidder and all correspondence and documents relating to the bids exchanged by the bidder and AMC/SCADL, shall be written in English language. Any printed literature furnished by the bidder in another language shall be accompanied by an English translation, in which case, for purposes of interpretation of the bid, the English translation shall govern.

If any supporting documents submitted are in any language other than English, translation of the same in English language is to be duly attested by the bidder.

#### **12.13 Proposal Submission Format**

The entire proposal shall be strictly as per the format specified in this RFP. Bids with deviation from this format shall be liable for rejection.

#### **12.14 Acceptance of Terms & Conditions**

The bidder will, by taking participation in the bidding process and submitting the bid documents, be deemed to have thoroughly read, studied and understood the bid documents including scope of work, the terms and conditions, instructions, etc. referred there in and the same are acceptable to the bidder.

#### **12.15 Documents to be submitted**

Following list is provided as the guideline for submitting various important documents along with the bid.

- (i) Cover Letter
- (ii) Board Resolution / Power of Attorney executed by the bidder authorizing the signing authority to sign/execute the proposal as a binding document and also execute all relevant agreements forming part of RFP
- (iii) Bidders' Particulars as per format given in RFP
- (iv) Certificate of Registration/Certificate of Incorporation
- (v) Audited Financial statements and relevant certificates
- (vi) Copy of Work Order/Work Completion Certificate & Self Declaration
- (vii) GST Registration and Income Tax Certificate
- (viii) MAF
- (ix) Declaration regarding blacklisting in the given format
- (x) Signed & Stamped RFP document along with Addenda & Corrigendum if any
- (xi) Any other document necessary for the bid proposal

#### **12.16 Bid Evaluation Process**

##### **12.16.1 Opening of Bids**

1. The bids that are submitted online & physically shall be opened online & offline as per date and time given in Proposal Data Sheet, through proper procedure only in the presence of bidders.

2. Financial bid will only be submitted in online mode.
3. Bids shall be opened either in the presence of bidders or its duly authorized representatives. The bidder representatives who are present shall sign a register evidencing their attendance. Two representatives per applicant shall be permitted to be present at the time of opening the tender.
4. Total transparency will be observed and ensured while opening the Proposals/Bids.
5. SCADL always reserves the rights to postpone or cancel a scheduled Bid opening.
6. Bid opening will be conducted in three stages
  - (i) In the first stage, Pre-qualification Proposals would be opened. The EMD & tender fee of the Bidders will be opened on the same day and time, on which the Pre-qualification Proposal is opened.
  - (ii) In the second stage, Technical Proposals of Bidders who pass the Pre-qualification criteria will be opened.
  - (iii) In the third stage, Commercial Proposal of those Bidders whose Technical Proposals qualify, would be opened.
  - (iv) In the event of the specified date of Bid opening being declared a holiday for SCADL, the bids shall be opened at the same time and location on the next working day. In addition to that, if their representative of the Bidder remains absent, SCADL will continue process and open the bids of all Bidders.

#### **12.16.2 Selection Process for Bidders**

1. SCADL will appoint a Technical Evaluation Committee (TEC) to scrutinize and evaluate the prequalification of bidders, technical and commercial bids received. The TEC will examine the Bids to determine whether they are complete and whether the Bid format conforms to the Bid Document requirements. SCADL may waive off any informality or nonconformity in a Bid which does not constitute a material deviation according to SCADL.
2. The evaluation process of the RFP proposed to be adopted by SCADL is indicated under RFP section 12.16.3 below. The purpose of this clause is only to provide the Bidder(s) an idea of the evaluation process that the SCADL may adopt. However, SCADL reserves the right to modify the evaluation process at any time during the Tender process, without assigning any reason, whatsoever, and without any requirement of intimating the Bidder(s) of any such change.

#### **12.16.3 Evaluation of Bids**

1. SCADL shall constitute a Tender Evaluation Committee to evaluate the responses of the bidders. The Tender Evaluation Committee shall evaluate the responses to the RFP and all supporting documents/documentary evidence. Inability to submit requisite supporting documents/documentary evidence by bidders may lead to rejection of their bids.
2. The Committee may seek inputs from their professional and technical experts in the evaluation process.
3. SCADL reserves the right to do a reference check of the experience stated by the Bidder. Any feedback received during the reference check shall be considered during the technical evaluation process.
4. The decision of the Tender Evaluation Committee in the evaluation of bids shall be final. No correspondence will be entertained outside the process of evaluation with the Committee. The Tender Evaluation Committee may ask for meetings or presentation with the Bidders to seek clarifications or conformations on their bids.
5. The Tender Evaluation Committee reserves the right to reject any or all bids. Each of the responses shall be evaluated as per the criteria and requirements specified in this RFP.
6. Proposal Presentations: The Tender Evaluation Committee will invite each pre-qualified Bidder to make a presentation to SCADL at a date, time and venue decided by SCADL. The purpose of such presentations

would be to allow the Bidders to present their proposed solutions to the Committee and orchestrate the key points in their Proposals.

7. During the bid evaluation, SCADL may at its discretion, ask the bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the price or substance of the bid shall be sought, offered, or permitted. SCADL is entitled to ask for clarifications as many times as possible from the bidders to the satisfaction of the Technical Evaluation committee.
8. If the bidder fails to provide the clarification or additional information sought in the stipulated time, the information provided in the technical proposal only will be used for evaluation. It is clearly understood that the additional information or clarification on the technical proposal provided by the bidders will not be the basis for affecting any changes in the Commercial Proposal already submitted by the bidders.
9. There should be no discrepancy between the online submitted documents & physical bid submission documents. If any discrepancy found than SCADL will consider the details submitted in physical bid documents for further evaluation. Here note that commercial bid needs to be submitted online only.
10. The steps for evaluation are as follows:

### **Stage 1: Pre-Qualification**

1. SCADL will examine the bids to determine whether they are complete, responsive, whether required Tender Fee and EMD has been furnished, whether the letters/certificates have been properly signed, and whether the bids are generally in order. Any bids found to be non-responsive for any reason or not meeting any criteria specified in the tender, will be rejected by SCADL and shall not be included for further consideration. Any deviations in proposal response may make the bid liable for rejection.
2. All eligible bids will be considered for further evaluation by an Evaluation Committee according to the evaluation process defined in this Bidding document.
3. Each of the Pre-Qualification condition mentioned in Pre-qualification criteria Section is MANDATORY. In case, the Bidder does not meet any one of the conditions, the bidder shall be disqualified.
4. Bidders would be informed of their qualification/disqualification based on the Pre-Qualification criteria through email and/or Phone and subsequently, the Bid Security amount shall be returned to the respective disqualified Bidders after the submission of Performance Bank Guarantee by the successful Bidder.

### **Stage 2: Technical Evaluation**

1. Technical bid will be evaluated only for the bidders who succeed in Stage 1.
2. SCADL will review the technical bids of the short-listed bidders to determine whether the technical bids are responsive. Bids that are not responsive are liable to be disqualified.
3. The bidders' 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 RFP.
4. Each Technical Bid will be assigned a technical score (T) out of a maximum of 100 marks. **Only the bidders who get total of minimum 60 marks will qualify for commercial evaluation stage.** Failing to secure minimum marks shall lead to technical rejection of the Bid. It is mandatory for bidders to obtain min passing marks in the POC.

### **Stage 3: Commercial Evaluation**

The bidder shall be required to get at least 60% marks to qualify for the next stage i.e. opening of the financial bids.

The technical score would be normalized on a scale of 100, with the highest score being normalized to 100 and the rest being awarded on a pro-rata basis. Such normalized scores would be considered for the purpose of QCBS based evaluation.

The individual bidder's technical scores will be normalized as per the formula below:

$$T_n = T_b / T_{max} * 100$$

Where,  $T_n$  = normalized technical score for the bidder under consideration

$T_b$  = absolute technical score for the bidder under consideration

$T_{max}$  = maximum absolute technical score obtained by any bidder

Financial evaluation

The financial bids of all the bidder who get 60% marks in the technical evaluation stage will be Opened.

The Bidder with lowest qualifying financial bid ( $L_1$ ) will be awarded 100% score (amongst the Bidders which did not get disqualified on the basis of mandatory technical qualifying score). Financial Scores for other than  $L_1$  Bidders will be evaluated using the following formula:

$$\text{Financial Score of a Bidder (Fn)} = \left\{ \left( \frac{\text{Commercial Bid of } L_1}{\text{Commercial Bid of the Bidder}} \right) \times 100 \right\}$$

(Adjusted up to two decimal places)

Final Evaluation

The bids will be evaluated on a Quality and Cost Based Selection [QCBS] basis. The QCBS is a system enumerated in clause Number 192 of General Financial Rules 2017, Ministry of Finance, Government of India. Proposals will be ranked according to their combined technical and financial scores using the weights ( $T=0.70$  the weight given to the technical bid and  $P=0.30$ , the weight given to the Financial Proposal. The final evaluation will be based on Final Score which shall be calculated as shown below:

$$\text{Final Score (S)} = T_n \times T + F_n \times P$$

The bidder achieving the highest combined technical and financial score will be invited for negotiations for awarding the contract. In case of a tie where two or more bidders achieve the same highest combined technical and financial score, the bidder with the higher normalized technical score will be invited first for negotiations for awarding the contract.

1. The bid should clearly indicate the price to be charged without any qualifications whatsoever and should exclude all taxes, duties, fees, levies and other charges as may be applicable in relation to the activities proposed to be carried out. SCADL reserves the right to ask the Bidder to submit proof of payment against any of the taxes, duties, levies indicated.
2. The taxes quoted in the offer should be as per the prevailing tax rates. Any subsequent increase in the tax rates or introduction of new tax will be paid by SCADL. Similarly, any benefits arising due to downward revision in tax rates, or any exemptions availed by the Bidders organization should be passed on to SCADL.
3. Commercial bid to be entered online only.
4. An adjustable price quotation or conditional proposal shall be treated as non-responsive, and the bid may be rejected.
5. Bidders are advised to exercise adequate care in quoting the prices. No excuse for corrections in the quoted figures will be entertained after the commercial proposals are received.
6. Errors & Rectification: Arithmetical errors will be rectified on the following basis:
  - (i) 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.
7. If there is a discrepancy between words and figures, the amount in words will prevail.
8. Bidders shall indicate the unit rates and total Bid Prices of the equipment/ services, it proposes to provide under the Contract. Prices should be shown separately for each item as required in the tender.
9. Bidder should not leave any field blank. In case the field is not applicable, Bidder must indicate "0" (Zero) in all such fields.

10. If there is no price quoted for certain material or service, the bid shall be declared as disqualified. The bidder has to bid for total products and solutions.
11. The Bidder needs to account for all Out-of-Pocket expenses related to Boarding, Lodging and other related items in the commercial bids. Any additional charges must be borne by the bidder. For evaluation of Commercial Bids, SCADL shall make appropriate assumptions to arrive at a common bid price for all the Bidders. This however shall have no co-relation with the Contract value or actual payment to be made to the Bidder.
12. It is mandatory to provide break up of all taxes, duties and levies wherever applicable and/or payable. The taxes quoted in the offer should be as per the prevailing tax rates. Any subsequent increase in the tax rates or introduction of new tax will be paid by SCADL. Similarly, any benefits arising due to downward revision in tax rates, or any exemptions availed by the Bidders organization should be passed on to SCADL. The bid amount shall be inclusive of packing, forwarding, transportation, insurance, delivery charges and any other charges as applicable. Any other charges as applicable shall be borne by the bidder.

#### **12.17 AMC/SCADLs' Rights to Accept/Reject any or all Proposals**

AMC/SCADL reserves the right to accept or reject any proposal, and to annul the bidding process and reject all bids, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for AMC/SCADLs' action.

#### **12.18 Notifications of consideration for next level**

Prior to the expiration of the period of proposal validity, the bidder will be notified in writing or by email that it has been considered for the next round.

#### **12.19 Failure to agree with the Terms & Conditions of the RFP**

Failure of the bidder to agree with the Terms & Conditions of the RFP shall constitute sufficient grounds for the annulment of selection.

#### **12.20 Naming Convention for files**

The bidders need to strictly follow the below mentioned File Nomenclature rules while uploading the documents in the bidding portal. For documents mentioned under Eligibility Criteria, the file naming should be Eligibility Criteria\_ [Document \_Name] For example:

- Eligibility Criteria\_ Copy\_of\_Certification\_of\_Incorporation
- Eligibility Criteria\_PAN\_Card
- Eligibility Criteria\_GST Registration
- Eligibility Criteria\_Financial\_Statement\_Turnover
- Eligibility Criteria\_Financial\_Statement\_Networth
- Eligibility Criteria\_OEM\_PO Copy
- Eligibility Criteria\_OEM\_Undertaking Letter
- Eligibility Criteria\_Self\_Declaration\_Blacklisting

For the documents in Annexures, the file naming should be: Anx\_ [S.no of Annexure] \_ [Annexure Name]  
For example:

- Anx\_I\_CoverLetter
- Anx\_II\_Bidder Information Sheet

In case of any large file (exceeding 3MB) which need to be split in two parts or more, the naming should be:

- Anx\_I\_CoverLetter\_Part\_1
- Anx\_I\_CoverLetter\_Part\_2

For any other file not covered under this, should be named appropriately as per its contents. All files should be in pdf formats and should not be password protected or encrypted. The files should not be zipped. Any other format of the file other than pdf shall not be considered as part of the submitted bid.

### **12.21 Confidentiality**

1. The SI shall not use Confidential Information, the name or the logo of the Tenderer except for the purposes of providing the Service as specified under this RFP.
2. The SI shall not, either during the term or 6 months after expiration of this Contract, disclose any proprietary or confidential information relating to the Services, Contract or the network architecture, Tenderer's business plan or operations without the prior written consent of the Tenderer.
3. The SI may only disclose Confidential Information in the following circumstances to a member of the SI's Team ("Authorized Person") with the prior written consent of the Tenderer if:
  - a. the Authorized Person needs the Confidential Information for the performance of obligations under this contract.
  - b. the Authorized Person is aware of the confidentiality of the Confidential Information and is obliged to use it only for the performance of obligations under this contract
4. The SI shall do everything reasonably possible to preserve the confidentiality of the Confidential Information including execution of a confidential agreement with the members of the subcontractors and other service provider's team members to the satisfaction of the Tenderer.
5. The SI shall be responsible for any breach of the confidentiality clause by its antecedents or delegates or its subcontractors.
6. The SI shall notify the Tenderer promptly if it is aware of any disclosure of the Confidential Information otherwise than as permitted by this Contract or with the authority of the Tenderer.
7. The Tenderer reserves the right to adopt legal proceedings, civil or criminal, against the SI in relation to a dispute arising out of breach of obligation by the SI under this clause.

### **12.22 Severance**

1. In the event any provision of this Contract is held to be invalid or unenforceable under the applicable law, the remaining provisions of this Contract shall remain in full force and effect.

### **12.23 Compliance of laws**

1. SI shall perform their duties in strict compliance with all applicable laws in India along with rules & regulations of the duly constituted Government authorities in India and shall obtain all licenses and necessary approvals, if any, required by laws in India in connection with the services to be rendered hereunder.
2. SI shall be responsible for monitoring of data traffic from users w.r.to unlawful activities.

### **12.24 Indemnity**

1. The SI shall indemnify and defend SCADL and its representatives & employees and hold SCADL, its representatives, employees harmless from:
  - a) Damages and losses caused by its negligent or intentional act or omission or any damages and losses caused by the negligent act of any third party or sub-contractor or agency engaged by the SI.
  - b) Damages and losses resulting from the non-compliance with the established obligations; Third Party claim against SCADL or its nominated agency that any Deliverables/Services/Equipment provided by the SI infringes a copyright, trade secret, patents or other intellectual property rights of any third party in which case the SI shall defend such claim at its expense and shall pay any costs or damages that may be finally awarded against SCADL or its nominated agency.
  - c) Any environmental damages caused by SI and/or its representatives or employees or employees of any third party or sub-contractor or agency engaged by the SI.
  - d) Breach (either directly by SI or through its representatives and/or employees) of any representation and guarantee declared herein by SI.
  - e) Any and all claims, actions, suits, proceedings, taxes, duties, levies, costs, expenses, damages and liabilities, including attorneys' fees, arising out of, connected with, or resulting from or arising in connections with the services provided due to neglect, omission or intentional act.

### **12.25 Resolution of disputes**

1. If any dispute arises between the Parties hereto during the subsistence or thereafter, in connection with the validity, interpretation, implementation or alleged material breach of any provision of the Agreement or regarding a question, including the questions as to whether the termination of the Contract Agreement by one Party hereto has been legitimate, both Parties hereto shall endeavour to settle such dispute amicably.
2. The attempt to bring about an amicable settlement is considered to have failed as soon as one of the Parties hereto, after reasonable attempts [which attempt shall continue for not less than 30 (thirty) days], give 15 days' notice thereof to the other Party in writing.
3. In the case of such failure, the dispute shall be referred to the Chairman, SCADL as a first level of arbitration. The place of the arbitration shall be Ahmedabad, Gujarat.
4. The Arbitration proceeding shall be governed by the Arbitration and Conciliation Act of 1996 as amended. The proceedings of arbitration shall be in English language. The arbitrator's award shall be substantiated in writing. The arbitration tribunal shall also decide on the costs of the arbitration procedure.

### **12.26. Force Majeure & Vandalism**

1. In the event that any Damages to items due to Vandalism (physical Majeure attack by public, tampering of equipment by SCADL staff or traffic police staff and damage due to accidents) or due to Force Majeure events (such as earthquake, fire, flood, natural calamities, acts of the public enemy, civil commotion, sabotage, explosions, epidemics, quarantine restrictions, strikes, lockouts, war or hostility, act of God) of any kind during Warranty Period and Maintenance Period shall be the liability of SCADL. In such case, SCADL/Authority shall request the System Integrator to repair/replace the damaged unit and reinstall the same. All costs towards the same shall be reimbursed by SCADL/Authority to the System Integrator less of insurance proceeds if need of replacement so arise then replacement shall be on tender rates only.
2. The System Integrator shall not be liable for forfeiture of its Performance Guarantee, imposition of liquidated damages or termination for default, if and to the extent that it's delays in performance or other failure to perform its obligations under the contract is the result of an event of Force Majeure. For purposes of this Clause, "Force Majeure" means an event beyond the "reasonable" control of the System Integrator, not involving the System Integrator's fault or negligence and not foreseeable. Such events may include Acts of God & acts of Government of India in their sovereign capacity.
3. For the SI to take benefit of this clause it is a condition precedent that the SI must promptly notify the SCADL, in writing of such conditions and the cause thereof within 7 calendar days of the Force Majeure event arising. SCADL, or the consultant / committee appointed by the SCADL shall study the submission of the SI and inform whether the situation can be qualified one of Force Majeure. Unless otherwise directed by the SCADL in writing, the SI shall continue to perform its obligations under the resultant Agreement as far as it is reasonably practical and shall seek all reasonable alternative means for performance of services not prevented by the existence of a Force Majeure event.
4. In the event of delay in performance attributable to the presence of a force majeure event, the time for performance shall be extended by a period(s) equivalent to the duration of such delay. If the duration of delay continues beyond a period of 30 days, SCADL and the SI shall hold consultations with each other in an endeavour to find a solution to the problem. Notwithstanding anything to the contrary mentioned above, the decision of the SCADL shall be final and binding on the SI.

### **12.27 Insurance**

1. The bidder during the term of this contract undertakes to ensure that they have taken or shall take up all appropriate insurances & shall pay all premium in relation thereto and shall ensure that nothing is done to make such insurance policies void or voidable at the Tenderer's request, shall provide certificate of insurance to the Tenderer showing that such insurance has been taken out and maintained. Insurance will include employer's liability and workers' compensation insurance in respect of the Personnel of the bidder / bidder's Team, in accordance with the relevant provisions of

the Applicable Law, as well as, with respect to such Personnel, any such life, health, accident, travel or other insurance as may be appropriate.

2. The bidder shall submit to the SCADL, certificate of insurance issued by the insurance company, indicating that such insurances have been taken & certificate has to be submitted by bidder to SCADL. Bidder shall be designated as the 'loss payee' in such insurance policies; bidder shall be liable to pay premium for the insurance policy & shall ensure that each & every policy shall keep updated from time to time till end of contract period. In case of delayed procurement of insurance from selected bidder, all responsibilities will be on bidder before taking the insurance.

### **12.28 Risk Purchase**

1. Purchaser on identifying any material breach of contract by Bidder, shall give Bidder a cure period of 90 days to correct the breach. If Bidder fails to cure the breach in the said time duration and accept its inability to correct, purchaser may terminate the part of the contract that is breached and employ a third party to do the work on behalf of purchaser.
2. Bidder shall not be liable for any compensation for the work executed this way. This procurement from a third party will be done at the selected bidder's (who has failed to perform its obligations & thus defaulted) risk, cost and responsibility. Any incremental cost borne by the Tenderer in procuring such Hardware / Services / Deliverables shall be borne by the selected bidder (who has failed to perform its obligations & thus defaulted). Any such incremental cost incurred in the procurement of such Hardware / Services / Deliverables from other source will be recovered from the pending due and payable Payments / Security Deposit / Bank Guarantee provided by the selected bidder (defaulted bidder) under this scope of this RFP and if the value of the Hardware / Services / Deliverables under risk purchase exceeds the amount of pending payable payments / Security Deposit and / or Bank Guarantee, the same may be recovered, if necessary, by due legal process.
3. Bidder shall execute the balance part of work as agreed under the contract.

### **12.29 Termination**

1. The Tenderer may, terminate this Contract in full or in part by giving the SELECTED BIDDER a prior and written notice indicating its intention to terminate the Contract under the following circumstances:
  - a) Where the Tenderer is of the opinion that there has been such Event of Default on the part of the SELECTED BIDDER which would make it proper and necessary to terminate this Contract and may include failure on the part of the SELECTED BIDDER to respect any of its commitments with regard to any part of its obligations under its Bid, the RFP or under this Contract including the following:
    - i. failure to perform the obligations under the Contract.
    - ii. the SELECTED BIDDER and its team have failed to conform with any of the service specifications as set out in the RFP and the Contract.
    - iii. the SELECTED BIDDER has failed to demonstrate or sustain any representation or warranty made by it in this Contract, with respect to any of the terms of its Proposal, the RFP and this Contract.
    - iv. The SELECTED BIDDER has failed to comply with any terms and conditions of this RFP & the Contract.
    - v. There is an undue delay in achieving the agreed timelines for delivering the services under this Contract due to reasons solely attributable to the SELECTED BIDDER.
    - vi. If it comes to knowledge of the Tenderer that the SELECTED BIDDER or any of their personnel have been involved in any fraudulent or corrupt practices or any other practice of similar nature.
    - vii. Where it comes to the Tenderer's attention that the SELECTED BIDDER (or the SELECTED Bidders' Team) is in a position of actual conflict of interest with the interests of the Tenderer, in relation to any of the terms of the SELECTED BIDDER's Bid, the RFP or this Contract.
    - viii. Where the SELECTED BIDDER's ability to survive as an independent corporate entity is

threatened or is lost owing to any reason whatsoever, including inter-alia the filing of any bankruptcy proceedings against the SELECTED BIDDER, any failure by the SELECTED BIDDER to pay any of its dues to its creditors, the institution of any winding up proceedings against the SELECTED BIDDER or the happening of any such events that are adverse to the commercial viability of the SELECTED BIDDER. In the event of the happening of any events of the above nature, the Tenderer shall reserve the right to take any steps as are necessary, to ensure the effective transition of the project to a successor SELECTED BIDDER and to ensure business continuity.

- b) Where there has been an occurrence of such Event of Defaults, inter alia, as stated above, the SCADL shall issue a notice of default to the SELECTED BIDDER, setting out specific defaults / deviances / omissions and providing a period of fifteen (15) days to enable the SELECTED BIDDER to remedy the default/ deviances / omissions committed. It shall be the responsibility of the SELECTED BIDDER to maintain the agreed Quality of Service, even during the period when the notice for termination of agreement is pending and if the Quality of Performance of Solution is not maintained, during the said notice period, it shall be treated as material breach liable for termination at risk and consequent of SELECTED BIDDER and Performance Bank Guarantee shall be forfeited, without any further notice.
  - c) **Termination for Insolvency:** The Tenderer may at any time terminate the Contract by giving written notice to the SELECTED BIDDER, without compensation to the SELECTED BIDDER, if the SELECTED BIDDER becomes bankrupt or otherwise insolvent, provided that such termination shall not prejudice or affect any right of action or remedy which has accrued or shall accrue thereafter to the Tenderer.
  - d) **Termination for Convenience:** The Tenderer, may, by prior written notice sent to the SELECTED BIDDER at least 2 months in advance, terminate the Contract, in whole or in part at any time for its convenience. The notice of termination shall specify that termination is for the Tenderer's convenience, the extent to which performance of work under the Contract is terminated, and the date upon which such termination becomes effective.
2. The SELECTED BIDDER may, subject to approval by the Tenderer, terminate this Contract before the expiry of the term by giving the Tenderer a prior and written notice at least 6 months in advance indicating its intention to terminate the Contract.

### 12.30 Consequences of termination

1. In the event of termination of this contract due to any cause whatsoever, the contract with stand cancelled effective from the date of termination of this contract.
2. In case of exigency, if the Tenderer gets the work done from elsewhere, the difference in the cost of getting the work done shall be borne by the SELECTED BIDDER as mentioned in clause – 12.28 (Risk Purchase) unless the Termination is due to any act and/or omission by the reason solely attributable to Tenderer.
3. Where the termination of the Contract is prior to its stipulated term on account of a Default on the part of the SELECTED BIDDER or due to the fact that the survival of the SELECTED BIDDER as an independent corporate entity is threatened/has ceased, or for any other reason, whatsoever, the Tenderer through re-determination of the consideration payable to the SELECTED BIDDER as agreed mutually by the Tenderer and the SELECTED BIDDER or through a third party acceptable to both the parties may pay the SELECTED BIDDER for that part of the Services which have been authorized by the Tenderer and satisfactorily performed by the SELECTED BIDDER up to the date of termination. Without prejudice to any other rights, the Tenderer may retain such amounts from the payment due and payable by the Tenderer to the SELECTED BIDDER as may be required to offset any losses caused to the Tenderer as a result of any act/omissions of the SELECTED BIDDER. In case of any loss or damage due to default on the part of the SELECTED BIDDER in performing any of its obligations with regard to the execution of the scope of work under this Contract, the SELECTED BIDDER shall compensate the Tenderer for any such loss, damages or other costs, incurred by the Tenderer. Additionally, other members of its team shall perform all its obligations and responsibilities under

this Contract in an identical manner as were being performed before the collapse of the SELECTED BIDDER as described above in order to execute an effective transition and to maintain business continuity. All third parties shall continue to perform all/any functions as stipulated by the Tenderer and as may be proper and necessary to execute the scope of work under the Contract in terms of the SELECTED BIDDER's Bid, the RFP and this Contract.

4. Nothing herein shall restrict the right of the Tenderer to invoke the Bank Guarantee and other Guarantees furnished hereunder, enforce the Deed of Indemnity and pursue such other rights and/or remedies that may be available to the Tenderer under law.
5. The termination hereof shall not affect any accrued right or liability of either Party nor affect the operation of the provisions of this Contract that are expressly or by implication intended to come into or continue in force on or after such termination.
6. Actions pursuant to Termination of Agreement:
7. Notwithstanding any other rights and remedies provided elsewhere in the agreement, upon termination of this agreement.
  - a) Neither Party shall represent the Other Party in any of its dealings.
  - b) Neither Party shall intentionally nor otherwise commit any act(s) as would keep a third party to believe that the other Party is still the former Party's service provider, as the case may be.
  - c) Each party shall stop using the other Party's name, trademark, etc., in any audio or visual form.

### **12.31 Exit Management**

- a) This sets out the provisions, which will apply on expiry or termination of the Master Service Agreement, the Project Implementation, Operation and Management SLA.
- b) In the case of termination of the Project Implementation and/or Operation and Management, the Parties shall agree at that time whether and if so during what period, the provisions of this Schedule shall apply.
- c) The Parties shall ensure that their respective associated entities carry out their respective obligations set out in this Exit Management Schedule.
  1. Cooperation and provision of Information  
During the exit management period:
    - a) The SI will allow the purchaser or its nominated agency access to information reasonably required to define the then current mode of operation associated with the provision of the services to enable the purchaser to assess the existing services being delivered.
    - b) Promptly on reasonable request by the purchaser, the SI shall provide access to, and copies of all information held or controlled by them which they have prepared or maintained in accordance with this agreement relating to any material aspect of the services (whether provided by the System integrator or sub-contractors appointed by the SI). The purchaser shall be entitled to copy of all such information. Such information shall include details pertaining to the services rendered and other performance data. The SI shall permit the purchaser or its nominated agencies to have reasonable access to its employees and facilities, to understand the methods of delivery of the services employed by the SI and to assist appropriate knowledge transfer.
  2. Confidential Information, Security and data
    - a) The SI will promptly on the commencement of the exit management period supply to the purchaser or its nominated agency the following:
      - Information relating to the current services rendered and customer and performance data relating to the performance of sub-contractors in relation to the services.
      - Documentation relating to Intellectual Property Rights.
      - Documentation relating to sub-contractors.
      - All current and updated data as is reasonably required for purposes of purchaser or its nominated agencies transitioning the services to its Replacement *SI* in a readily available format nominated by the purchaser, its nominated agency.
      - All other information (including but not limited to documents, records and agreements) relating to the services reasonably necessary to enable purchaser or its nominated agencies, or its Replacement

*SI* to carry out due diligence in order to transition the provision of the Services to purchaser or its nominated agencies, or its Replacement *System integrator* (as the case may be).

- b) Before the expiry of the exit management period, the *SI* shall deliver to the purchaser or its nominated agency all new or up-dated materials from the categories set out in schedule above and shall not retain any copies thereof, except that the *SI* shall be permitted to retain one copy of such materials for archival purposes only.
3. Transfer of certain Agreements
    - a) On request by the purchaser or its nominated agency the *SI* shall effect such assignments, transfers, licenses and sub-licenses purchaser, or its Replacement *SI* in relation to any equipment lease, maintenance or service provision agreement between *SI* and third-party lessors, vendors, and which are related to the services and reasonably necessary for the carrying out of replacement services by the purchaser or its nominated agency or its Replacement *SI*.
4. General obligations of the *SI*
    - a) The *SI* shall provide all such information as may reasonably be necessary to effect as seamless a handover as practicable in the circumstances to the purchaser or its nominated agency or its Replacement *SI* and which the *SI* has in its possession or control at any time during the exit management period.
    - b) For the purposes of this Schedule, anything in the possession or control of any *SI*, associated entity, or sub-contractor is deemed to be in the possession or control of the *SI*.
    - c) The *SI* shall commit adequate resources to comply with its obligations under this Exit Management Schedule.
5. Exit Management Plan
    - a) The *SI* shall provide the purchaser or its nominated agency with a recommended exit management plan ("Exit Management Plan") which shall deal with at least the following aspects of exit management in relation to the MSA as a whole and in relation to the Project Implementation, and the Operation and Management SLA.
      - A detailed program of the transfer process that could be used in conjunction with a Replacement *SI* including details of the means to be used to ensure continuing provision of the services throughout the transfer process or until the cessation of the services and of the management structure to be used during the transfer.
      - Plans for the communication with such of the *SI*'s sub-contractors, staff, suppliers, customers and any related third party as are necessary to avoid any material detrimental impact on the purchaser's operations as a result of undertaking the transfer.
      - (If applicable) proposed arrangements for the segregation of the *SI*'s networks from the networks employed by purchaser and identification of specific security tasks necessary at termination.
      - Plans for provision of contingent support to purchaser, and Replacement *SI* for a reasonable period after transfer.
    - b) The *SI* shall re-draft the Exit Management Plan annually thereafter to ensure that it is kept relevant and up to date.
    - c) Each Exit Management Plan shall be presented by the *SI* to and approved by the Purchaser or its nominated agencies.
    - d) The terms of payment as stated in the Terms of Payment Schedule include the costs of the *SI* complying with its obligations under this Schedule.
    - e) In the event of termination or expiry of MSA, and Project Implementation, each Party shall comply with the Exit Management Plan.
    - f) During the exit management period, the *SI* shall use its best efforts to deliver the services.
    - g) Payments during the Exit Management period shall be made in accordance with the Terms of Payment Schedule.
    - h) This Exit Management plan shall be furnished in writing to the purchaser or its nominated agencies within 90 days from the Effective Date of this Agreement.

### 12.32 Limitation of liability

1. Successful bidder's cumulative liability for its obligations under the contract shall not exceed the contract value.
2. If the contract is partially completed, then in such case successful bidder's cumulative liability will not exceed the contract value of remaining/pending work of the contract

### 12.33 General Instructions for the Technical Proposal

Bidders have to submit a structured and organized technical proposal, which will be analysed by SCADL/AMC for different compliances with regards to the requirements of the project. Each point listed below must be provided in detail with the necessary supporting documents and assumptions. Information to be included by the bidders in their Technical Proposal is as follows:

1. Understanding of Project Scope – Bidders may also propose any additional scope which they deem necessary to achieve objectives set out for the project
2. Approach & Methodology for successfully implementing SoW.
3. Approach to further train video analytics software / application for achieving incremental % accuracy.
4. Detailing of Project Risks & Mitigation Plan
5. Details on functional aspects of various algorithms used by video analytics software.
6. The EMD may be forfeited:
  - a) If a bidder withdraws their bid or increases their quoted prices during the period of bid validity or its extended period, if any; or
  - b) In the case of a successful bidder, if the bidder fails to sign the Contract or to furnish Performance Bank Guarantee within specified time.
  - c) During the bid process, if a bidder indulges in any such deliberate act as would jeopardize or unnecessarily delay the process of bid evaluation and finalization.
  - d) During the bid process, if any information found wrong/manipulated/hidden in the bid
7. The successful bidder who is awarded the Work Order shall be required to deposit a Performance bank guarantee @ 10% of the total contract value (the Value of Zo (from table – C of financial bid) in the form of unconditional Bank Guarantee from any scheduled bank in Favor of “Smart City Ahmedabad Development Limited, Ahmedabad (from all Nationalized banks including the Public sector banks - IDBI Ltd. Or Private sector banks - AXIS Bank, ICICI Bank and HDFC Bank) within 7 days of award of work, covering the period of contract and 180 days beyond the contract period. In case, the contract is further extended beyond the initial period, the Bank Guarantee will have to be accordingly extended/renewed by the successful agency/bidder. All incidental charges whatsoever such as premium, commission etc. with respect to the Bank Guarantee shall be borne by the successful bidder. Non-deposit of PBG within the stipulated time shall render the award of contract invalid at the discretion of SCADL.

## 13. Formats & Checklist to be used for the Proposal Submission

### 13.1 RFP Cover Letter

*(To be submitted on Bidder's letterhead duly signed by Authorized signatory)*

Date: DD/MM/YYYY

To,  
The Chief Executive Officer  
Smart City Ahmedabad Development Limited  
Command and Control Centre,  
Opp. Divan Ballubhai School,  
Nr. Sanskar Kendra, Paldi,  
Ahmedabad: 380007.

**Sub :** “SITC of Dashcam along with AI based solution for surveillance of Municipal Infrastructure”

**Ref :**

RFP for Selection of Agency for the SITC of Dashcam along with AI based solution for surveillance of Municipal Infrastructure

Dear Sir,

Having examined the RFP, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to provide the professional services as required and outlined in the RFP for “**Selection of Agency for SITC of Dashcam along with AI based solution for surveillance of Municipal Infrastructure**”.

We attach hereto our responses to pre-qualification requirements and technical proposals as required by the RFP. We confirm that the information contained in these responses or any part thereof, including the exhibits, and other documents and instruments delivered or to be delivered to AMC/SCADL, is true, accurate, verifiable and complete. This response includes all information necessary to ensure that the statements therein do not in whole or in part mislead the department in its short-listing process.

We fully understand and agree to comply that on verification, if any of the information provided here is found to be misleading the selection process, we are liable to be dismissed from the selection process and legal action.

We agree for unconditional acceptance of all the terms and conditions set out in the RFP document and also agree to abide by this RFP response.

We agree that you are not bound to accept any RFP response you may receive. We also agree that you reserve the right in absolute sense to reject all or any of the products/ services specified in the RFP response.

It is hereby confirmed that I/We are entitled to act on behalf of our company/ corporation/ firm/ organization and empowered to sign this document as well as such other documents, which may be required in this connection.

---

Signature of Authorized Signatory (with official seal)

Name :  
Designation :  
Address :  
Telephone & Fax :  
E-mail address :

**13.2 Checklist for the documents to be submitted in Pre-Qualification Bid**

#	Documents to be submitted	Submitted (Y / N)	Documentary Proof (Page No.)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			

**13.3 Document checklist for technical Bid**

#	Documents to be submitted	Submitted (Y / N)	(Page No.)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			

**13.4 Format to share Bidder's Particulars**

Sr. No	Description	Details (to be filled by the responder to the RFP)
1.	Name of the company	
2.	Official address	
3.	Phone No. and Fax No.	
4.	Corporate Headquarters Address	
5.	Phone No. and Fax No.	
6.	Web Site Address	
7.	Details of Company's Registration (Please enclose copy of the company registration document)	
8.	Name of Registration Authority	
9.	Registration Number and Year of Registration	
10.	Sales GST registration No.	
11.	Permanent Account Number (PAN)	
12.	Company's Revenue for last 3 years (Year wise)	
13.	Company's Profitability for the last 3 years (Year wise)	

Please submit the relevant proofs for all the details mentioned above along with your Bid response.  
Contact Details of officials for future correspondence regarding the bid process:

Details	Authorized Signatory	Contact Person
Name		
Title		
Company Address		
Phone		
Mobile		
Fax		
E-mail		

**13.5 Format to share Bidder details**

Information about responding firm / Company		
a.	Registration details under the Companies Act 1956	
b.	No. of years of operation in India in case Indian firms/ No. of years of operation in case of foreign firms	
c.	Location, address and contact details of Network Operating Centre (NOC) if any	
d.	Locations and addresses of offices in Gujarat if any	
e.	Locations, addresses and contact details of offices in Ahmedabad if any	
f.	Turnover (figures as pre last three audited balance sheets are to be provided)	Year-1
		Year-2
		Year-3

Note: Please submit CA Certification for Turnover and Net Worth. Also attach the Auditor Certified financial statements for the last three financial years.

**13.6 PQ: Format for Declaration by the bidder for not being Blacklisted / Debarred**

(To be submitted on a 300-rupee stamp paper)

Date: DD/MM/YYYY

To  
The Chief Executive Officer  
Smart City Ahmedabad Development Limited  
Command and Control Centre,  
Opp. Divan Ballubhai School,  
Nr. Sanskar Kendra, Paldi,  
Ahmedabad: 380007.

**Sub :** Declaration for not being debarred / black-listed by Central / any State Government department in India as on the date of submission of the bid

Dear Sir,

I/We, the undersigned, herewith declare that my/our company ( name of the firm ) has not been debarred / black-listed by Central / any State Government department in India as on the date of submission of the RFP.

Thanking you,  
Yours faithfully,

---

Signature of Authorized Signatory (with official seal)

Date :  
Name :  
Designation :  
Address :  
Telephone & Fax :  
E-mail address :

**13.7 PQ and TQ: Financial Capability Statement**

(On Statutory Auditor's letterhead)

To  
The Chief Executive Officer  
Smart City Ahmedabad Development Limited  
Command and Control Centre,  
Opp. Divan Ballubhai School,  
Nr. Sanskar Kendra, Paldi,  
Ahmedabad: 380007.

I hereby declare that I have scrutinized and audited the financial statement of M/s\_\_\_\_\_.  
The Net worth and the Turnover of the bidder for last three financial year as per audited statement is as under:

Financial year	Net worth (INR Crore)	Turnover (INR Crore)
FY 2023 – 2024		
FY 2022 - 2023		
FY 2021 - 2022		

(Signed and sealed by the statutory auditor)

Date :  
Name :  
Designation :  
Address :  
Telephone & Fax :  
E-mail address :

**13.8 PQ and TQ: Similar work experience**

Note: Bidder will have to provide all required details in supporting documents for.

To,  
 The Chief Executive Officer  
 Smart City Ahmedabad Development Limited  
 Command and Control Centre,  
 Opp. Divan Ballubhai School,  
 Nr. Sanskar Kendra, Paldi,  
 Ahmedabad: 380007.

Sir/Madam,  
 In response to the Tender Ref. No. \_\_\_\_\_ dated \_\_\_\_\_ for RFP for Selection of agency for SITC of Dashcam along with AI based solution for surveillance of Municipal Infrastructure, as an owner/ partner/ Director of \_\_\_\_\_, I/ We hereby declare that presently our Company/ firm \_\_\_\_\_ has below mentioned similar work experience as required to qualify for this RFP process.

Sr. No.	Project Name	WO issue date	Supporting documents provided
1			
2			
3			

If this declaration is found to be incorrect then without prejudice to any other action that may be taken, my/ our security may be forfeited in full and the tender if any to the extent accepted may be cancelled.

Name of the SI :  
 Authorized Signatory :  
 Seal of the Organization :  
 Business Address :  
 Date :  
 Place :

Please fill one separate form for each project according to pre-qualification criteria/eligibility criteria.

Sr. No.	Criteria	Details
1.	Implementer Company	
2.	Customer's Name	
3.	Scope of the Project	Please provide scope of the project in detail, highlight Key Result Areas expected and achieved
4.	Value of Project	
5.	Did the project involve implementation and maintenance	Please provide as much details as possible
6.	Completion certificate	Yes / No
7.	Customer Contact Person's detail	
8.	Name	

RFP for Selection of Agency for the SITC of Dashcam along with AI based solution for surveillance of Municipal Infrastructure

9.	Designation	
10.	Email	
11.	Phone	
12.	Fax	
13.	Mailing address	

**13.9 PQ : Self-Declaration – Not insolvent**

<<To be printed on company's letterhead and signed by Authorized signatory>>

Date: dd/mm/yyyy

To,  
The Chief Executive Officer  
Smart City Ahmedabad Development Limited  
Command and Control Centre,  
Opp. Divan Ballubhai School,  
Nr. Sanskar Kendra, Paldi,  
Ahmedabad: 380007.

Sir/Madam,  
In response to the Tender Ref. No. \_\_\_\_\_ dated \_\_\_\_\_ for RFP Selection of Agency for SITC of Dashcam along with AI based solution for surveillance of Municipal Infrastructure, as an owner/ partner/ Director of \_\_\_\_\_, I/ We hereby declare that presently our Company/ firm \_\_\_\_\_ is having unblemished record and is 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 either indefinitely or for a particular period of time by any State/ Central Government/ PSU. If this declaration is found to be incorrect then without prejudice to any other action that may be taken, my/ our security may be forfeited in full and the tender if any to the extent accepted may be cancelled.

Name of the SI :  
Authorized Signatory :  
Seal of the Organization :  
Business Address :  
Date :  
Place :

**13.10 PQ: Self-Declaration – Not convicted in any criminal offense**

<<To be printed on company's letterhead and signed by Authorized signatory>>

Date: dd/mm/yyyy

To,

The Chief Executive Officer

Smart City Ahmedabad Development Limited

Command and Control Centre,

Opp. Divan Ballubhai School,

Nr. Sanskar Kendra, Paldi,

Ahmedabad: 380007.

Sir/Madam,

In response to the Tender Ref. No. \_\_\_\_\_ dated \_\_\_\_\_ RFP for Selection of agency for SITC of Dashcam along with AI based solution for surveillance of Municipal Infrastructure, as an owner/ partner/ Director of \_\_\_\_\_, I/ We hereby declare that presently our Company/ firm \_\_\_\_\_ is having unblemished record and does not have our 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 a procurement contract within a period of three years preceding the commencement of the procurement process, or not have been otherwise disqualified either indefinitely or for a particular period of time by any State/ Central Government/ PSU. Also, there is not any criminal case booked by any Government authority against the bidder in any court in last 5 years as on bid submission date.

If this declaration is found to be incorrect then without prejudice to any other action that may be taken, my/ our security may be forfeited in full and the tender if any to the extent accepted may be cancelled.

Name of the SI :  
Authorized Signatory :  
Seal of the Organization :  
Business Address :  
Date :  
Place :

**13.11 PQ-6: MAF**

Manufacturer's Authorization Format (MAF) From OEM

Ref:     Date:  
To

.....,  
.....,  
.....

Subject: Manufacturer Authorization Letter for RFP No. ....

Sir,

We, <OEM Name> having our registered office at <OEM address>, hereinafter referred to as OEM are an established manufacturer of the following items quoted by <Bidder Name> having their registered office at <Bidder address>, hereinafter referred to as Bidder.

Item – 1: \_\_\_\_\_

We <OEM Name> authorize <Bidder's name> to quote our above-mentioned product for above mentioned tender.

We confirm that we have understood the delivery & installation timelines defined in the tender. We confirm that we have worked out all necessary logistics and pricing agreement with <Bidder name>, and there won't be any delay in delivery, installation and support due to any delay from our side. Our full support is extended in all respects for supply, warranty, and maintenance of our products. We also ensure to provide the required spares and service support as pre-purchased for the supplied equipment for a period of 3 years for the supplied equipment and may get extend for more 2 years as per tender terms. In case of any difficulties in logging complaint at bidder end, user shall have option to log complaint at our call support Centre.

We hereby declare that the proposed product complies with all the specifications defined and desired in this RFP and subsequent corrigenda.

If any product is declared end of sale, we shall proactively ensure that a suitable equivalent or higher roll over product is offered through the existing bidder <(Bidder)> to SCADL/AMC for due approval, contract, and order executions thereafter without any additional cost to the SCADL/AMC.

Thanking You

For <OEM/ Manufacturer name>  
< (Authorized Signatory)>

Name:

Designation:

Contact Details:

Seal of the Company

NOTE:

1. The letter should be submitted on the letter head of the manufacturer / OEM and should be signed by the authorized signatory.

**13.12 Affidavit**

(The affidavit format as indicated below to be furnished on non-judicial stamp paper of Rs: 300 and duly notarized)

Name of work: RFP for selection of SITC of Dashcam along with AI based solution for surveillance of Municipal Infrastructure

1. I, the undersigned, do hereby certify that all the statements made in the required attachments are true and correct.

2. The undersigned also hereby certifies that neither our firm M/s ..... nor any of its constituent partners have abandoned any work in India nor any contract awarded to us for such works has been rescinded during last five years, from the date of this bid submission.

3. The undersigned hereby authorize(s) and request(s) any bank, person, authorities, government or public limited institutions, firm or corporation to furnish pertinent information deemed necessary and requested by the SCADL to verify our statements or our competence and general reputation.

4. The undersigned understands and agreed that further qualifying information may be requested and agrees to furnish any such information at the request of the SCADL.

5. The SCADL and its authorized representative are hereby authorized to conduct any inquiries or investigations to verify the statements, documents, and information submitted in connection with this application and to seek clarification from our bankers and clients regarding any financial and technical aspects. This Affidavit will also serve as authorization to any individual or authorized representative of any institution referred to in the supporting information, to provide such information deemed necessary and requested by you to verify statements and information provided in the tender or with regard to the resources, experience and competence of the Applicant.

6. My/ our offer shall not be considered in case of fake/ forged document(s) found during verification at any stage or at any stage of contract. I/ We are agreed to whatever action (s) taken by competent authority of corporation in the aforesaid circumstances such as forfeiture of security deposit and debarring from participation in future tenders for the period/ years as deemed fit by the corporation and informing the same to all other state/ central level Government/ semi government organizations.

Signed by the Authorized Signatory of the firm

Title of the office:

Name of the firm:

Date:

**1.13 Financial Bid format**

Note: Bidder is expected to quote unit rate and total amount including supply, installation, testing & commissioning charges.

**Table: A**

Sr.	Item Description	Unit	Quantity	Price	Notes
<b>A1.1</b>	AI-capable Dashcam/Camera (Edge compute embedded within the dashcam/camera or A military-grade rugged LPU installed inside the bus for processing analytics at the edge, 1080p, HDR, GPS, IR Night Vision, 4G/5G, Wi-Fi)	No.	1000		Includes 3-year warranty
<b>A1.2</b>	MicroSD Card 256 GB	No.	1000		Minimum 7-day local recording
<b>A1.3</b>	Protective Anti-tamper Cover	No.	1000		Anti-theft protection
<b>A1.4</b>	Mounting Kit	No.	1000		Vehicle-specific brackets
<b>A1.5</b>	Power Cabling & Adapters	Set	1000		Includes fuses and regulators
<b>A1.6</b>	SIM Card & Provisioning	No.	1000		Data plan by SI
<b>A2.1</b>	AI Application Platform Licenses- No of devices	Per Dashcam/Cameras	1000		Perpetual licenses
<b>A2.2</b>	AI Application Platform Licenses - Dashboard 100 concurrent users for alarm/alert management, RBAC, Maps, Reports	Lot	1		100 concurrent sessions
<b>A3.1</b>	Cloud VMS Licenses	Per Dashcam/Camera	1000		Live & playback
<b>A4.1</b>	NMS Licenses	Per Dashcam/Camera	1000		SNMP monitoring
<b>A5</b>	Server, storage, networking, smart racks including all the passive cabling etc for On-premises hosting of all software applications including AI application, Dashboard, VMS & NMS after completion of O&M.	Lot	1		
	<b>Total Capex(A)</b>				

RFP for Selection of Agency for the SITC of Dashcam along with AI based solution for surveillance of Municipal Infrastructure

**Table: Y: OPEX for 3 Years**

Sr.	Description	Unit	Quantity	Unit Price	Total Amount	Taxes (%)
1.	AI-capable Dashcam/Camera (Edge compute embedded within the dashcam/camera or A military-grade rugged LPU installed inside the bus for processing analytics at the edge, 1080p, HDR, GPS, IR Night Vision, 4G/5G, Wi-Fi)	No.	1000			
2.	MicroSD Card 256 GB	No.	1000			
3.	Protective Anti-tamper Cover	No.	1000			
4.	Mounting Kit	No.	1000			
5.	Power Cabling & Adapters	Set	1000			
6.	SIM Card & Provisioning	No.	1000			
7.	AI Application Platform Licenses-No of devices	Per Dashcam / Cameras	1000			
8.	AI Application Platform Licenses - Dashboard 100 concurrent users for alarm/alert management, RBAC, Maps, Reports	Lot	1			
9.						
10.	Cloud VMS Licenses	Per Dashcam / Cameras	1000			
11.	NMS Licenses	Per Dashcam / Cameras	1000			
12.	Project Manager (1)	Man-Month	36			
13.	Field Coordinators (2)	Man-Month	72			
14.	Server, Storage Hosting on cloud for AI software, Dashboard, VMS & NMS (1)	Month	36			
15.	Data plan charges for SIM card	Month	36			
16.	Dismantling Dashcams	No.	100			
17.	Reinstallation Dashcams	No.	100			
<b>Total OPEX (Y)</b>						

**Table: Z**

Sr.	Summary	Total Excl. GST	Total Incl. GST
1	CAPEX (A)		
2	OPEX (Y)		
<b>Total Project Cost (Z)</b>			

**Note for Table:**

- All the above-mentioned line items should comply with technical specifications and Scope of work including all applicable Licenses, Cabling and Accessories, Supply, Installation, Commissioning and Configuration with 3-year warranty support during entire contract duration.

2. SCADL will issue subsequent installation work orders in batches of 250 dashcams only following the successful installation and implementation of the previous installation order.
3. The sum of total price quoted in Sr.2 (A1), Sr.3 (A2) and Sr.4 (A3) must be minimum 40% of the total value of Table A (Value of XO). For example, if the total value in Table A (Value of XO) is 10,000 INR, the minimum price that the bidder must quote is 4,000 INR (the sum of Sr. 3 and Sr. 4). **If this requirement is not met, the bid will be rejected.**
4. SITC and maintenance cost for dashcam quoted in the Sr.no 1 of the above table will include Successful SITC, O&M for 3 years of all hardware components related to dashcam as per technical specifications, Scope of work mentioned in this RFP.
5. VMS and NMS software application quoted in Sr.no 3 and 4 of the above table will include O&M for 3 years along with scope of work mentioned in this RFP.
6. Quantities mentioned in above table is only for bid evaluation purpose. Payment to selected SI will be done only for the executed quantities as approved by SCADL.
7. Above mentioned quantities are indicative and for evaluation purpose only. Payment to selected SI will be done only for the executed quantities as approved by SCADL. The Quoted rates remain valid throughout the project contract period.
8. The Bidder needs to account for all Out-of-Pocket expenses due to Boarding, Lodging and other related items. No additional/separate payment shall be made regarding the same.
9. Bidder should provide all prices as per the prescribed format under this Annexure. Bidder should not leave any field blank.
10. The Contract Price shall be firm and not subject to any alteration. No escalations of prices will be considered under any circumstance.
11. Upon successful completion of 1,000 units under AMC, a repeat order of up to an additional 2,000 units may be provided. The bidder must supply these at the discovered rate only.
12. The value mentioned in the price bid for A2 will be divided among all the use case per dashcam per year and payments will be made quarterly for the use cases that achieve the desired accuracy for that quarter.

**Note for financial bid:**

1. The taxes prevailing at the time of raising the invoice shall be applicable.
2. SCADL shall deduct appropriate tax as applicable at source from the payment against the delivery & services.
3. The Financial bid will only be submitted in online mode.

**13.14 PQ: Self Certification by Bidder and OEM**

(This shall be provided on Rs.300/- non-judicial stamp paper.)

Date: DD/MM/YYYY

Tender Ref No.

To,

The Chief Executive Officer  
Smart City Ahmedabad Development Limited  
Command and Control Centre,  
Opp. Divan Ballubhai School,  
Nr. Sanskar Kendra, Paldi,  
Ahmedabad: 380007.

With reference to above referred tender, I, undersigned <<Name of Signatory>>, in the capacity of <<Designation of Signatory>>, is authorized to give the undertaking on behalf of <<Name of the bidder/OEM>>.

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I certify that <<Name of Bidder/OEM>> is not from such a country or, if from such a country, has been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I hereby certify that <<Name of Bidder/OEM>> fulfils all requirements in this regard and eligible to be considered. [Where applicable, evidence of valid registration by Competent Authority shall be attached.]

If given information is found to be false, this would be ground for immediate termination and further legal action in accordance with law.

Authorized Signatory:

Name:

Designation:

Name of the Bidder/OEM:

Address:

Company Seal:

**13.15 TQ: Curriculum Vitae of Project Team**

Sr. No.	Details	Response
1	Proposed Position & Skill Set	
2	Name of Firm	
3	Name of Staff [Insert full name]	
4	Date of Birth	
5	Education [Indicate college/university and other specialized education of staff member, giving names of institutions, degrees obtained, and dates of obtainment]	
6	Membership of Professional Associations / Societies	
7	Summary of key Training and Certifications	
8	Countries of Work Experience: [List countries where staff has worked in the last ten years]	
9	Language Proficiency	(Read/Write/Speak) - (Excellent/Good/Fair)
10	Number of years of experience	
11	Employment Record [Starting with present position, list in reverse order every employment held by staff member since graduation, giving for each employment as per format provided]	From [Year]: _____ To [Year]: _____ Employer: Positions held:
12	Detailed Tasks Assigned [List all tasks to be performed under this assignment]	
13	Highlights of assignments handled and significant accomplishments. [Among the assignments in which the staff has been involved, indicate the following information for those assignments that best illustrate staff capability to handle the tasks listed under point 12.]	Name of assignment or project: Year: Location: Client: Main project features: Positions held: Activities performed:

**13.16 Commercial Bid Cover Letter**

<<**To be printed on letter head of SI and signed by Authorized signatory**>>

Date: dd/mm/yyyy

To,  
The Chief Executive Officer  
Smart City Ahmedabad Development Limited  
Command and Control Centre,  
Opp. Divan Ballubhai School,  
Nr. Sanskar Kendra, Paldi,  
Ahmedabad: 380007.

Subject: RFP for Selection of Agency for the SITC of Dashcam along with AI based solution for surveillance of Municipal Infrastructure

Reference: Tender No :< No> Dated<DD/MM/YYYY>

Dear Sir/ Madam,

We, the undersigned Implementation Agency, having read and examined in detail all the bidding documents in respect of “RFP for Selection of Agency for the SITC of Dashcam along with AI based solution for surveillance of Municipal Infrastructure” do hereby propose to provide services as specified in the Bid Document referred above.

**PRICE AND VALIDITY**

All the prices mentioned in our Tender are in accordance with the terms as specified in the Tender documents. All the prices and other terms and conditions of this Tender are valid for entire contract duration.

We hereby confirm that our Tender prices include all taxes. Taxes are quoted separately under relevant sections, as specified in the Bid Document formats.

RFP for Selection of Agency for the SITC of Dashcam along with AI based solution for surveillance of Municipal Infrastructure

We have studied the clause relating to Indian Income Tax and hereby declare that if any income tax, surcharge on Income Tax, Professional and any other corporate Tax in altercated under the law, we shall pay the same.

**DEVIATIONS**

We declare that all the services shall be performed strictly in accordance with the Bid Documents and there are no deviations

Further we agree that additional conditions, if any, found in our bid documents, shall not be given effect to.

**QUALIFYING DATA**

We confirm having submitted the information as required by you in your Instruction to Implementation Agency. In case you require any other further information/documentary proof in this regard before evaluation of our Tender, we agree to furnish the same in time to your satisfaction.

**BID PRICE**

We declare that our Bid Price is for the entire scope of the work as specified in the Bid Document. The bid price at which the contract is awarded shall hold good for entire tenure of the contract. These prices are indicated in the subsequent sub-sections of this Section.

**CONTRACT PERFORMANCE GUARANTEE BOND**

We hereby declare that in case the contract is awarded to us, we shall submit the contract Performance Bank Guarantee in the form prescribed in the Bid Document.

We hereby declare that our Tender is made in good faith, without collusion or fraud and the information contained in the Tender is true and correct to the best of our knowledge and belief.

We understand that our Tender is binding on us and that you are not bound to accept a Tender you receive. We confirm that no technical deviations are attached here with this commercial offer.

Thanking you,  
Yours faithfully,

(Signature of the Authorized Signatory)

Name

Designation

Seal.

Date:

Place:

Business Address:

**13.17 Bank Guarantee format for EMD**

**FORMAT OF THE UNCONDITIONAL AND IRREVOCABLE BANK GUARANTEE FOR EARNEST MONEY DEPOSIT**

(To be submitted on Rs. 300/- non-judicial stamp paper)

In consideration of the ..... (*Insert name of the Bidder*) submitting the Bid *inter alia* for “RFP for Selection of Agency for the SITC of Dashcam along with AI based solution for surveillance of Municipal Infrastructure”, for meeting the terms and conditions in response to the RFP DOCUMENT----- dated ----- issued by **Smart City Ahmedabad Development Limited** (“SCADL”), and SCADL agreeing to consider the Bid of ..... [*Insert the name of the Bidder*] in accordance with the terms of the E-BID DOCUMENT, the ..... (Insert name and address of the bank issuing the Bid Bond, and address of the head office) (Here in after referred to as “Guarantor Bank”) hereby agrees unequivocally, irrevocably and unconditionally to pay to SCADL or its authorized representative at ..... [*Insert Name of the Place from the address of SCADL*] forthwith on demand in writing from SCADL or any representative authorized by it in this behalf an amount not exceeding Rupees .....on behalf of M/s. ....Insert name of the Bidder].

This guarantee shall be valid and binding on the Guarantor Bank up to and including ..... (*Insert date of validity of Earnest Money Deposit in accordance with the terms of reference of the E-BID DOCUMENT*) and shall not be terminable by notice or any change in the constitution of the Guarantor Bank or by any other reasons whatsoever and our liability hereunder shall not be impaired or discharged by any extension of time or variations or alternations made, given, or agreed with or without our knowledge or consent, by or between concerned parties.

Our liability under this Guarantee is restricted to Rupees ..... (Rs... ..). SCADL or its authorized representative shall be entitled to invoke this Guarantee until ..... [*Insert Date, which is six months after the date in the preceding sentence*]. The Guarantor Bank hereby expressly agrees that it shall not require any proof in addition to the written demand from SCADL or its authorized representative, made in any format, raised at the above-mentioned address of the Guarantor Bank, in order to make the said payment to SCADL or its authorized representative.

The Guarantor Bank shall make payment hereunder on first demand without restriction or conditions and notwithstanding any objection, disputes, or disparities raised by the Bidder or any other person. The Guarantor Bank shall not require SCADL or its authorized representative to justify the invocation of this BANK GUARANTEE, nor shall the Guarantor Bank have any recourse against SCADL or its authorized representative in respect of any payment made hereunder.

This BANK GUARANTEE shall be payable at Ahmedabad.

This BANK GUARANTEE shall be interpreted in accordance with the laws of India and the courts at ..... shall have exclusive jurisdiction.

The Guarantor Bank represents that this BANK GUARANTEE has been established in such form and with such content that it is fully enforceable in accordance with its terms as against the Guarantor Bank in the manner provided herein.

This BANK GUARANTEE shall not be affected in any manner by reason of merger, amalgamation, restructuring, liquidation, winding up, dissolution or any other change in the constitution of the Guarantor Bank.

This BANK GUARANTEE shall be a primary obligation of the Guarantor Bank and accordingly, SCADL or its authorized representative shall not be obliged before enforcing this BANK GUARANTEE to take any action in any court or arbitral proceedings against the Bidder, to make any claim against or any demand on the Bidder or

RFP for Selection of Agency for the SITC of Dashcam along with AI based solution for surveillance of Municipal Infrastructure

to give any notice to the Bidder to enforce any security held by SCADL or its authorized representative or to exercise, levy or enforce any distress, diligence or other process against the Bidder.

The Guarantor Bank hereby agrees and acknowledges that SCADL shall have a right to invoke this Bank Guarantee either in part or in full, as it may deem fit.

Notwithstanding anything contained hereinabove, our liability under this Guarantee is restricted to Rupees ..... and it shall remain in force until ..... [Date to be inserted on the basis of Terms of Reference of the E-BID DOCUMENT], with an additional claim period of 6 (six) months thereafter. We are liable to pay the guaranteed amount or any part thereof under this BANK GUARANTEE only if SCADL or its authorized representative serves upon us a written claim or demand.

In witness whereof the Bank, through its authorized officer, has set its hand and stamp on this ..... day of ..... at .....

**Witness:**

Signature	Signature
Name	Name
Address	Address
Designation with Bank Stamp Signature	Designation with Bank Stamp Signature

Name and address

Attorney as per power of attorney No. ....

For..... [Insert Name of the Bank]

**Banker's Stamp and Full Address:**

Dated this ..... day of ..... 2023.

Note: The Stamp Paper should be in the name of the Executing Bank

### 13.18 Format for Performance Bank Guarantee

<< To be printed on Rs. 300/- Stamp Paper >>

IN CONSIDERATION OF ..... Through .....  
SCADL, Ahmedabad (Smart City Ahmedabad Development Limited) for “RFP for Selection of Agency for the SITC of Dashcam along with AI based solution for surveillance of Municipal Infrastructure” (hereinafter referred to as the “said work”) on the terms and conditions of the AGREEMENT dated the ..... day of ..... 2023 executed between SCADL on the one part and the Company (Name of the Company) on the other part (hereinafter referred to as “the said AGREEMENT”) and on the terms and conditions specified in the Contract, Form of Offer and Form of acceptance of Offer, true and complete copies of the offer submitted by the Company, the said Acceptance of Offer and the said AGREEMENT are annexed hereto.  
The Company has agreed to furnish SCADL in Guarantee of the Nationalized Bank for the sum of Rs ..... (Agreement in Words and Figures) only which shall be the Security Deposit for the due performance of the term’s covenants and conditions of the said AGREEMENT. We..... Bank Registered in India under Act and having one of our Local Head Office at ..... do hereby guarantee to SCADL in ..... Department.

- i. Due performance and observances by the Company of the term’s covenants and conditions on the part of the Company contained in the said AGREEMENT, AND
- ii. Due and punctual payment by the Company to SCADL of all sum of money, losses, damages, costs, charges, penalties and expenses that may become due or payable to SCADL by or from the Company by reason of or in consequence of any breach, non-performance or default on the part of the Company of the terms covenants and conditions under or in respect of the said AGREEMENT.

AND FOR THE consideration aforesaid, we do hereby undertake to pay to SCADL on demand without delay demur the said sum of Rs. .... (Rupees ..... only) together with interest thereon at the rate prescribed under ..... from the date of demand till payment or such lesser sum, as may be demanded by SCADL from us as and by way of indemnity on account of any loss or damage caused to or suffered by SCADL by reason of any breach, non-performance or default by the Company of the terms, covenants and conditions contained in the said AGREEMENT or in the due and punctual payment of the moneys payable by the Company to SCADL thereunder and notwithstanding any dispute or disputes raised by the Company in any suit or proceeding filed before the Court relating thereto our liability hereunder being absolute and unequivocal and irrevocable AND WE do hereby agree that –

- a) The guarantee herein contained shall remain in full force and effect during the subsistence of the said AGREEMENT and that the same will continue to be enforceable till all the claims of SCADL are fully paid under or by virtue of the said AGREEMENT and its claims satisfied or discharged and till SCADL certifies that the terms and conditions of the said AGREEMENT have fully and properly carried out by the Company.
- b) We shall not be discharged or released from liability under this Guarantee by reason of
  - a. any change in the Constitution of the Bank or
  - b. any arrangement entered into between SCADL and the Company with or without our consent.
  - c. any forbearance or indulgence shown to the Company,
  - d. any variation in the terms, covenants or conditions contained in the said AGREEMENT.
  - e. any time given to the Company, OR
  - f. any other conditions or circumstances under which in a law a surety would be discharged.
- c) Our liability hereunder shall be joint and several with that of the Company as if we were the principal debtors in respect of the said sum of Rs..... (Rupees ..... Only).
- d) We shall not revoke this guarantee during its currency except with the previous consent of SCADL in ..... department in writing.
- e) Provided always that notwithstanding anything herein contained our liabilities under this guarantee shall be limited to the sum of Rs..... (Rupees..... only) and shall remain in force

until SCADL certifies that the terms and conditions of the said AGREEMENT have been fully and properly carried out by the Company.

- f) Bank hereby agrees and covenants that if at any stage default is made in payment of any instalment or any portion thereof due to SCADL under the said AGREEMENT or if the Company fails to perform the said AGREEMENT or default shall be made in fulfilling any of the terms and conditions contained in the said AGREEMENT by the Company, the Bank shall pay to SCADL demand without any demur, such sum as may be demanded, not exceeding Rs..... (Rupees.....) and that the Bank will indemnify and keep SCADL indemnified against all the losses pursuant to the said AGREEMENT and default on the part of the Company. The decision of SCADL that the default has been committed by the Company shall be conclusive and final and shall be binding on the Bank/Guarantor. Similarly, the decision of SCADL as regards the Agreement due and payable by the Company shall be final and conclusive and binding on the Bank /Guarantor.
- g) SCADL shall have the fullest liberty and the Bank hereby gives its consent without any way affecting this guarantee and discharging the Bank/Guarantor from its liability hereunder, to vary or modify the said AGREEMENT or any terms thereof or grant any extension of time or any facility or indulgence to the Company and Guarantee shall not be released by reason of any time facility or indulgence being given to the Company or any forbearance act or omission on the part of SCADL or by any other matter or think whatsoever which under the law, relating to sureties so releasing the guarantor and the Guarantor hereby waives all suretyship and other rights which it might otherwise be entitled to enforce.
- h) That the absence of powers on the part of the Company or SCADL to enter into or execute the said AGREEMENT or any irregularity in the exercise of such power or invalidity of the said AGREEMENT for any reason whatsoever shall not affect the liability of the Guarantor/Bank and binding on the bank notwithstanding any abnormality or irregularity.
- i) The Guarantor agrees and declares that for enforcing this Guarantee by..... against it, the Courts at Ahmedabad only shall have exclusive jurisdiction and the Guarantor hereby submits to the same

1.....  
2.....

Being respectively the Director of the Company, who in token thereof, has hereto set his respective hands in the presence of –

1.....  
2.....

**14. Abbreviations**

ICCC- Integrated Command & Control Centre  
SASA – Safe and Secure Ahmedabad  
C&D – Construction & Demolition