

Answer to Pre-Bid Queries

#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
1	Use case 5: 5.1.5: Detection of use of mobile phone while driving Pg 16	<p>1. The system should be capable enough to detect from the raw video feed if the vehicle driver in all types of 2-wheeler, 3 wheeler, 4 wheeler & larger vehicles is using the mobile phone (for viewing the mobile screen as well as talking by holding mobile phone in hand) while driving.</p> <p>2. Every violation should automatically create a challan, a report in the format to be provided and created image / video snippets of duration to be specified and such report should be stored automatically with due indexing.</p> <p>3. The system should detect this violation during 24x7 (both day and Night) with minimum 70% accuracy for implementation milestone approval & till end of 1st year of O&M. Accuracy is to be increased by 10% every year after 1st year of O&M. Maximum accuracy of 90% is to be achieved (above 90% accuracy</p>	<p>a) Need to understand if mobile phones with hands free is to be tracked?</p> <p>B) Blue tooth devices in car would be hard to track.</p> <p>What is the expectation?</p>	<p>a) Not required - Only talking on mobile phone instrument directly with holding the phone in either one of hands or by holding the phone between face & shoulder while driving is to be detected. This is only applicable for driver of the vehicle & not co-passenger i.e. if co-passenger is talking on phone while driving, challan will not be generated.</p> <p>(b)Not required.</p> <p>Additionally, the vehicle owners standing at junction while signal is red & if they are talking on phone, in such case challan should not be generated.</p>

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		is desirable but will not be liable for penalty if not achieved.).		
2	Use case 6: 5.1.6: View count of vehicles bifurcation Pg 16	1. The system should be capable enough to View ambient volume count of all types of vehicles with bifurcation of types of vehicle in at least defined categories of 2W, 3W, car, Bus, LCV, HCV, MPV, HGV, HPV, LGV and LMV across all junctions in the city with a facility to drill down volume count on each arm.	What is the drilldown required in the bifurcation of types of vehicles to those mentioned here ?	Drilldown on each arm means system should count total no. of vehicles passing through one arm i.e. count of all vehicles passing through 3/4 (whatever number in a particular arm) ANPR cameras and show it on a dashboard while maintaining vehicle numbers of all vehicles in a database. Similarly, junction level filtering should also be made available on dashboard so that by selecting one junction name in dropdown menu, we can get count of all vehicles passed through that junction in any particular time period. For this, time selection option should also be given on a dashboard

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3	Use case 8 : 5.1.8 : Detection of violation of entry prohibition notification by heavy goods / passenger vehicles. Pg 17	3. Every violation should automatically create a challan, a report in the format to be provided and created image / video snippets of duration to be specified and such report should be stored automatically with due indexing.	a) What is the report format with contents required? B) How is the video snippets to be described?	(a) The report to be accessible on the e-challan system dashboard with details such as images (images of RLVD & ANPR cameras) snipped of the violation, description of violation, vehicle number, location, time captured etc. Detailed report format will be discussed & finalized with selected bidder during project implementation. The report should be in PDF and Excel format with an option to download from the dashboard. (b) Video snippets to be stored in a database for each violation with indexing. How many seconds before & after of the violation incident should be captured in a video snippet will be decided during project implementation.

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4	Use case 11: 5.1.11: Detection of unattended objects, baggage, vehicle in camera feed with the help of analytics. Pg 18	3. Once the object is identified, the picture/video snippet of the object along with location/junction name to be sent to authorities via email and an alert to be generated on application	a) Where should the unattended baggage be identified? On the road or on the footpath? B) How will the challan be made for this ?	(a) As mentioned in the RFP,the unattended baggage should be identified using PTZ cameras in the city. Given the coverage range of these cameras, the unidentified baggage needs to be identified if and when it is placed anywhere (road and footpath) within the range of PTZ cameras. (b) Once the object is identified, the picture/video snippet of the object along with the location/junction’s name to be sent to authorities via email and an alert to be generated on application. This will enable the authorities to take necessary action. This usecase aims to identify the objects and alert the authorities. Challan will not be generated for this.
5	Use case 12: 5.1.12 : Spitting detection Pg 18	1. The system should be capable enough to detect from the raw video feed if the vehicle driver / co-passenger in all types of 2 wheeler, 3 wheeler, 4 wheeler & larger vehicles is spitting on the road.	Who will be the person responsible for paying the fine is a passenger from a bus spits on the road ?	Please refer to Corrigendum

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6	Use case 18 : 5.1.18: Detection of potholes on the road Pg 21	1. The system should be capable enough to detect from the raw video feed 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).	a) Do pothole detection also include bad road shapes? B) Do the measurement of the potholes need to be accurate?	(a) Only potholes of given or larger size to be detected. If system can detect smaller potholes, it is well accepted but not a mandate. (b) Potholes of given or larger size to be detected, but system will not have to measure its dimension.
7	5.2.4 Detection of wrong number on vehicle number plate Pg 26	<ul style="list-style-type: none"> The system should be capable enough to detect from the raw video feed if any vehicle is intentionally having wrong number on the number plate. It will give an early alert to Police team. For ex.: if a thief has stolen a vehicle & changed the original number plate with dummy number plate with wrong number (that has never been issued). The system should fetch the number from all the vehicles' number plate and execute the API with Vahan database to get the details of whether the number is correct & vehicle's registered make & model. 	a) How are wrong number plate detected? Will the captured image would search the database to come up with the number plate genuine ness? B) If the vehicle belongs to another state then will the system have access to the central database?	(a) The clause is self-explanatory. The system should have the ability to fetch the number plate details, make, and model from all the vehicles and execute an API with the Vahan database to get the details of whether the number is correct and matches with the vehicle's registered make & model. Any mismatch in these details should trigger an alert. (b) If the vehicle belongs to another state, first 2 bullet points of clause - 5.2.4 will be applicable & third bullet point will not be applicable / possible.

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		In this case, the API will return the false value i.e. the number on the vehicle number plate is wrong. That will give an early alert to police team that activity with some mala fide intention is going on.		
8	5.3 Mobile Application Pg 27	<ul style="list-style-type: none"> Bidder should develop mobile application for generating e-challans. The mobile application should be made available to the field traffic officials so that whenever they find any person driving vehicle in a drunk condition, then they will open the app on their mobile phone and take the video / photo of the vehicle number plate. The mobile app will also provide a drop-down menu / facility to mention that the incidence / detection is of drunk driving. The mobile app will automatically send the video / photo to backend application at ICCV through internet connectivity available on officer's mobile phone & generate e-Challan for such vehicles. As an alternative option, the mobile app should also have an option to manually generate 	Should mobile app be used for RLVD also ?	No

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		e-Challan for such vehicles.		
9	5.3 Mobile Application Pg 27	11. The system should have a GUI interface & dashboard wherein all the generated challans will be visible and will also have an option of manually approving / rejecting the challans. The system should be able to generate MIS reports based on the type/ Date /time/Location of offences for multiple time duration like daily, weekly, monthly, quarterly etc., as may be required for the day to day activity.	a) What are the levels of approval needed ? B) What are the conditions for next level escalation/approval ? C) Should there be reason for rejection ?	There are no levels / hierarchy for approving / rejecting the challan. The approval / rejection will be done by police team. The GUI interface of the system / dashboard should list the challans for each violation with details like date & time of violation, camera name, number plate image from ANPR, vehicle number, address of the junction, vehicle attribute, challan number, challan creation date & time, action buttons (for approval, rejection / discard, regenerate and download individual challan and also one click button for approving / rejecting / regenerating / downloading all the challans on any particular page or time period), dropdown for rejection reason etc.

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10	8. Service Level Agreement (SLA) & Penalties Pg 39	4 Successful functioning of 6 use cases out of remaining 10 use cases and mobile application ((Mobile Application – Parking violation, drunk driving), water logging, garbage, potholes, uncovered debris, damaged infrastructure, cattle) T3 = T2 + 2 months	a) Need to understand if prototype would be required ? B) In case it is required then the time line of 2 months is less. It should be 4 months.	<p>The bidder is expected to implement successfully the functioning of 6 use cases (water logging, garbage, potholes, uncovered debris, damaged infrastructure, cattle) and deploy the mobile app. These use cases are expected to generate necessary challans and alerts for each violations when deployed in the live system.</p> <p>Once the successful bidder will develop the functionality required to successfully detect any particular use case and the bidder team is confident that the functionality on the live system is achieving required % of accuracy, they will have to inform the authority to check it. Authority team members will check the accuracy .For accuracy calculation, only those incidents will be considered which are possible to detect through naked human eye. The accuracy calculation process</p>

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				<p>will be taken up by the authority manually. In this fashion, when all required number of use cases under any particular milestone will be checked & considered ok, that particular milestone will be declared as completed. The successful bidder's technical team may work in agile fashion to develop the functionality & keep improving the accuracy %, but you will have to inform the authority once you are confident of proving the required accuracy % in live system.</p> <p>Milestone time period stands as per original RFP clause.</p>

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11	7.1. Eligibility Pre-Qualification Criteria, sr. no. 4 (PQ-4) and Page no. 34	<p>Similar Work: The Bidder should have demonstrable experience in supply, installation, testing & commissioning (SITC) and operation of their own / any OEM’s COTS e-Challan application for at least 2 completed / on going projects 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.</p> <p>i. The e-Challan application must have basic functionalities of detecting Red Light Violation (RLVD) along with Automatic Number Plate Recognition (ANPR) and generating e-Challan for same at Day – 0.</p> <p>ii. The cited project will only be considered if the eChallan application implemented in that</p>	<p>Requesting to modify the clause for wider bidder participation as "Similar Work: The Bidder/OEM should have demonstrable experience in supply, installation, testing & commissioning (SITC) and operation of their own / any OEM’s COTS e-Challan application for at least 2 completed / on going projects 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.</p> <p>i. The e-Challan application must have basic functionalities of detecting Red Light Violation (RLVD) along with Automatic Number Plate Recognition (ANPR) and generating e-Challan for same at Day – 0.</p> <p>ii. The cited project will only be considered if the eChallan application implemented in that project has automatically generated >10K e-Challans for RLVD. The bidder should submit a certificate</p>	No change

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		project has automatically generated >10K e-Challans for RLVD. The bidder should submit a certificate from client on completion status of on-going project and performance of bidder.	from client on completion status of on-going project and performance of bidder.	

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12	7.2. Technical Evaluation Criteria,sr. no. 2 (TQ-2) and Page no. 37	<p>TQ-2</p> <p>Bidder Competence –</p> <p>Work Experience</p> <p>No. of projects completed / ongoing for SITC and operation of their own / any</p> <p>OEM’s COTS e-Challan application as per PQ - 4</p> <p>>= 6 nos.=10 Marks</p> <p>>= 4 nos. and < 6 nos. = 9 Marks</p> <p>>= 2 nos. and < 4 nos. = 8 Marks</p>	<p>Requesting to modify the clause for wider bidder participation as</p> <p>Bidder Competence –</p> <p>Work Experience from Bidder/OEM</p> <p>No. of projects completed / ongoing for SITC and operation of their own / any</p> <p>OEM’s COTS e-Challan application as per PQ - 4</p> <p>>= 6 nos.=10 Marks</p> <p>>= 4 nos. and < 6 nos. = 9 Marks</p> <p>>= 2 nos. and < 4 nos. = 8 Marks</p>	No change

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13	New RFP_ICCC_SASA_e-Challan_Final - 37510, Page Nos. 12	<p>5.1 Use cases: This section deals with 20 Use cases along with their bucket wise bifurcation of the Use cases and detailed functional requirements.</p> <p>2. Traffic- Wrong Side Driving detection- RLVD cameras installed at junctions.</p> <p>3. Traffic- Not wearing seat belt detection- RLVD cameras installed at junctions.</p> <p>4. Traffic- Not wearing helmet detection- RLVD cameras installed at junctions.</p> <p>5. Traffic- Use of Mobile Phone while driving- RLVD cameras installed at junctions.</p> <p>6. Traffic- View ambient volume count of all types of vehicles- RLVD cameras installed at junctions.</p> <p>7. Traffic- Detection of more than two passenger on two-wheeler- RLVD cameras installed at junctions.</p> <p>8. Traffic- Detection of violation of entry prohibitory notification by heavy goods / passenger vehicles-</p>	<p>2. Wrong Side Driving detection</p> <p>3. Not wearing seat belt detection</p> <p>4. Not wearing helmet detection</p> <p>5. Use of Mobile Phone while driving</p> <p>6. View ambient volume count of all types of vehicles</p> <p>7. Detection of more than two passenger on two-wheeler</p> <p>8. Detection of violation of entry prohibitory notification by heavy goods / passenger vehicles</p> <p>9. Detection of lane violation blocking free left traffic by entering wrong lane</p> <p>12. Spitting Detection</p> <p>14. Detection of uncovered debris in truck & extended metallic elements outsideof heavy vehicles.</p> <p>As per the Scope of Work outlined in the RFP, the mentioned Vehicle Analytics (VA) use cases will run on RLVD cameras installed at junctions. However, it is crucial to note that the aforementioned VA analytics are designed to operate specifically on ANPR cameras/ lanes, rather than RLVD cameras. This distinction is</p>	<p>Yes, it is very much obvious that successful implementation of use cases will require correlation between RLVD and ANPR data wherein evidence that violence has been committed will be found through RLVD and who has committed violence i.e. vehicle number plate will be found through ANPR.</p> <p>And therefore, to provide same understanding to all the bidders about the scope of work and how license consumption will be considered w.r.to financial bid format, clear count has been defined against each use case. For ex.: in case of "Not wearing helmet detection" use case, when it will be enabled on one arm of the junction, 1 no. license consumption of RLVD (who is providing evidence) and X nos. license consumption of ANPR ("X" nos. of ANPR cameras of that particular arm are providing</p>

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		<p>RLVD cameras installed at junctions.</p> <p>9. Traffic- Detection of lane violation blocking free left traffic by entering wrong lane- RLVD cameras installed at junctions.</p> <p>12. Civic Administration-Spitting Detection - RLVD cameras installed at junctions.</p> <p>14. Civic Administration-Detection of uncovered debris in truck & extended metallic elements outsideof heavy vehicles- RLVD cameras installed at junctions.</p>	<p>important as capturing number plate data is essential for challaning purposes. RLVD/Evidence cameras are reserved solely for evidentiary purposes.</p> <p>It is also emphasized that these Vehicle Analytics use cases will require correlation between RLVD and ANPR data.</p> <p>Hence, we request you to kindly amend the clause as mentioned below for fair & wider participation.</p> <p>" The above mentioned VA Use-cases Run on ANPR Cameras installaed at Junctions".</p>	<p>number plates) will be considered.</p> <p>Now with this, in case of implementation of "Detection of more than two passenger on two-wheeler" use case on the same arm, 1 no. more / additional license consumption of RLVD (as per financial table line item) will be considered, but ANPR liense consumption will not be considered again because the functionality of extracting vehicle number is already considered once.</p> <p>Therefore, all the bidders have to consider above logic while preparing their strategy of financial bid. This understanding explained in detail with example will give fair & equal opportunity & same platform for all the bidders.</p>

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14	New RFP_ICCC_SASA_e-Challan_Final - 37510, Page Nos. 13	<p>Scope of Work:</p> <p>The scope of work under this RFP covers below mentioned 20 Use cases, additional features & Mobile application along with functional requirements to be implemented in e-Challan application / solution:</p> <ol style="list-style-type: none"> 1. ANPR cameras at junctions - 1542 Nos. 2. RLVD cameras at junctions- 457 Nos. 3. ANPR Cameras at BRTS- 249 Nos. 4. PTZ - 304 Nos <p>This section deals with 20 Use cases along with their bucket wise bifurcation of the Use cases and detailed functional requirements:</p> <ol style="list-style-type: none"> 1. Red Light Violation Detection / Stop Line Violation Detection 2. Wrong Side Driving detection 3. Not wearing seat belt detection 4. Not wearing helmet detection 	<p>The standard life cycle of any electronic device is 6-7 years, during which the quality of the feed keeps degrading continuously.</p> <p>As per the RFP, the cameras and external IR illuminators have been functional in the project for the past 5–6 years. The accuracy level as desired in the RFP is also dependent on the quality of the video feed coming from existing cameras and the IR illumination from an external illuminator during night time and the same shall be ensured by SCADL.</p>	<p>All the bidders are requested to refer to the make, model and specifications of all types of cameras installed in the Ahmedabad SASA network in O&M RFP document for which link is already provided in this RFP.</p> <p>SCADL understands the ageing of camera infrastructure and therefore, only 60% / 70% accuracy is demanded in many of the use cases initially.</p> <p>So, it will be successful bidder's responsibility to achieve the desired accuracy % as mentioned in RFP.</p>

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		<p>5. Use of Mobile Phone while driving</p> <p>6. View ambient volume count of all types of vehicles with bifurcation of types of vehicle in at least defined categories of 2W, 3W, car, Bus, LCV, HCV, MPV, HGV, HPV, LGV and LMV across all junctions in the city with a facility to drill down volume count on each arm.</p> <p>7. Detection of more than two passenger on two-wheeler.</p> <p>8. Detection of violation of entry prohibitory notification by heavy goods / passenger vehicles</p> <p>9. Detection of lane violation blocking free left traffic by entering wrong lane</p> <p>10. Detection of faded stop lines & zebra crossings</p> <p>11. Identify unattended objects, baggage, vehicle in a given camera feed with help of analytics.</p> <p>12. Spitting Detection</p> <p>13. Detection of cattle on road</p> <p>14. Detection of uncovered debris in truck & extended metallic elements</p>		

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		<p>outside of heavy vehicles.</p> <p>15. Detection of garbage on road.</p> <p>16. Detection of damaged infrastructure.</p> <p>17. Parking rule violation detection.</p> <p>18. Detection of potholes on the road.</p> <p>19. Detection of Water Logging areas.</p> <p>20. Unauthorized vehicle in BRTS lane (249 ANPR cameras positioned at BRTS Stations).</p> <p>5. 4. e-Challan System</p> <p>5.5 Automatic Number Plate Recognition (ANPR) System</p>		

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15	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 14	8. The RLVD system should have both the options, one for integration with the Red Light Signaling System controller and second it should be able to sense the Red-light sign using pixel based change detection and identify violators based on it.	<p>In the RFP it is mentioned that RLVD system should have both provision of detecting RLVD by using pixel based change detection(VA method) and integration with Red light controller method.</p> <p>Our RLVD system have provision to detect red light having both system but detecting Red light by integration with Red light signalling system will additionally required NO/NC device and there will be commercial impact of this on MSI/bidder and it is also a old technology.</p> <p>Therefore we request you to kindly amend the clause as mentioned below-</p> <p>The RLVD system should have both the options, one for integration with the Red Light Signaling System controller and second it should be able to sense the Red-light sign using pixel based change detection and identify violators based on it. Bidder have to propose RLVD solution as per their OEM solution architecture.</p>	Please refer to Corrigendum

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16	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 18	5.1 Use cases: Use case 12: 5.1.12 : Spitting detection	<p>Spitting detection with challan feature is required in RFP but to implement this in actual scenario is a difficult task there are several challenges while deploying in real scenario, here are some challenges that we may face while deploying Spitting detection-</p> <p>It may generate lots of the false events because of lighting conditions, weather (e.g., rain), and obstructions in the camera's field of view, These factors can lead to false positives or negative alert, Different camera perspectives and angles can make it difficult to capture and analyze spitting behaviors accurately and also Achieving a balance between minimizing false positives (identifying non-spitting actions as spitting) and false negatives (failing to detect actual spitting incidents) is challenging.</p> <p>Continuous video monitoring to detect spitting could raise privacy concerns as well, as it involves capturing individuals' actions in public spaces.</p> <p>Therefore we request you to kindly remove this Video analytics use case</p>	<p>For calculation of accuracy % for all usecases, only those usecases will be considered which can be detected through naked human eye. The authorities will calculate the accuracy manually.</p> <p>For entire 21 usecases the bidder can chose any 2 usecases, that they feel are most difficult . For these 2 choosen usecases false positive penalty will not be applicable till the completion of 2 quaters from the Go-Live of that particular use case.</p>

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17	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 18	5.1 Use cases: Use case 10: 5.1.10: Detection of faded stop lines & zebra crossings	As per VA techniques,machine learning algorithms and modules, Detection of faded stop lines & zebra crossings are possible over a period of time. Already faded stop lines & zebra crossings are difficult to detect in Video Analytics. Kindly confirm if our understanding is correct	This is already covered in existing RFP clause - 5.1.10, point - 2 as reiterated below. "For already faded stop lines & zebra crossings, the new paint work will be first carried out by authority & then selected bidder's scope of detection will start."
18	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 19	5.1 Use cases: Use case 14 : 5.1.14 : Detection of uncovered debris in truck & extended metallic elements outside of heavy vehicles	In a moving truck, which can be detected through an IP camera for a few microseconds or milliseconds.Detection weather the material inside the truck is debris or something has been very difficult to detect. Hence, we request you to kindly remove this VA use case from the Scope of work.	Please refer to Sr.No : 16
19	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 20	5.1 Use cases: Use case 16 : 5.1.16 : Detection of damaged infrastructure	For detection of damaged infrastructure we request authorities to provide some datasets to learn and train our VA module as per site actual conditions	Collecting the necessary datasets would be the responsibility of the bidder.

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20	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 21	5.1 Use cases: Use case 18 : 5.1.18: Detection of potholes on the road	As per industry standard video analytics works on camera pixels data. Hence we request you to kindly define the size of the object of potholes in terms of pixels as 200x200 PPM.	No change
21	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 26	5.2.2 Perform people search based on description: Perform people search based on description - application should provide options to input details like man, woman, boy, girl, child, old age people, age, height, body width etc.	Through AI system we can get valuable visual information but AI system is unable to measure physical dimensions. Therefore it is not possible to detect age, height, body width etc from AI system. Therefore we request to kindly remove the clause as mention below- Perform people search based on description - application should provide options to input details like man, woman, boy, girl, child and also confirm the no. of licenses require for these use cases. Also Confirm the this use case will runs on how many cameras and incorporate the same in Financial Bid format.	Please refer to Corrigendum

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
22	New RFP_ICCC_SASA_e-Challan_Final - 37510, 5.5 Automatic Number Plate Recognition (ANPR) System, Page no. 29	7. The Accuracy of ANPR system should be more than 90% in case of standard English Iphanumeric Font and High Security Registration plates and 75% for Hindi Devnagari and Gujarati scripts, the system should be able to capture the Registration Plate of a vehicle moving at a speed of up to 120 Km/hour with the same level of accuracy.	ANPR is the backbone of any ITMS system, and the provenance of ANPR accuracy Hence, we request that you kindly add an accuracy certificate from any police or traffic police department for meeting 90% ANPR accuracy satisfactory certificate/document required	No change
23	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 30	5.6. Other important details: 5. There is no GPU available in existing server setup. It is bidder's responsibility to arrange GPU for their software requirement. Successful bidder will be free to augment the existing hardware/software at their own cost as per their requirement to ensure the achievability of the SLA's.	We request that you kindly confirm how many GPU slots are available per server for the provision of GPU cards.	Internal GPU slot is not available in existing server. It is bidder's responsibility to check with OEM about the compatibility and connecting options if bidder needs to go for external GPU.

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
24	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 30	<p>5.6. Other important details:</p> <p>6. SCADL will provide below mentioned IT resources to selected bidder to install e-Challan application and associated database.</p> <p>If bidder requires any additional IT resources to successfully deploy & operate eChallan application & its associated database, then SI will have to arrange resources on public cloud on their own cost (including all types of cost elements of public cloud like IT infrastructure / IT resources, bandwidth cost etc.). Bidder may plan the architecture of the application wherein some of the modules of the overall application suit is run on SCADL IT infrastructure and other may be run on public cloud. Bidder will have to clearly mention proposed technical architecture of their application suit along with internet connectivity / data consumption requirement for</p>	<p>Private cloud provides advantages of Scalability, High Availability, Security and natively running Advanced services. Major projects and customers run their applications on private Cloud.</p> <p>Hence, we request you to kindly amend the clause as mentioned below for fair & wider participation.</p> <p>If bidder requires any additional IT resources to successfully deploy & operate Challan application & its associated database, then SI will have to arrange resources on public cloud on their own cost (including all types of cost elements of public cloud or private cloud like IT infrastructure / IT resources, bandwidth cost etc.). Bidder may plan the architecture of the application wherein some of the modules of the overall application suit is run on SCADL IT infrastructure and other may be run on public cloud or private cloud. Bidder will have to clearly mention proposed technical architecture of their application suit along with internet connectivity /</p>	The Bidder will have to arrange resources with cloud service provider who is empaneled with MeitY.

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
		communication between SCADL IT infrastructure and public cloud in their proposal & presentation.	data consumption requirement for communication between SCADL IT infrastructure and public cloud in their proposal & presentation.	

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
25	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 31	9. Selected SI will have to submit entire source code of the application to SCADL without any additional cost at the end of contract period. The ownership of the application (including the source code) will be of SCADL. It is selected SI's responsibility to ensure that with the source code provided to SCADL, the entire e-challan analytics application runs successfully even post contract period without any further requirement of O&M contract with the bidder. 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.	<p>Source code is Intellectual property rights of any Software OEM and it can't be shared. We will provide API to integrate with any 3rd party Application if required. Hence we request you to please remove source code.</p> <p>Hence, we request that you amend the clause as mentioned below for fair and larger participation.</p> <p>Selected SI will have to submit API, backup data to SCADL without any additional cost at the end of contract period.</p>	No Change

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
26	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 41	<p>8.1. Implementation phase SLA:</p> <p>8.2.Accuracy of e-Challan application</p> <p>8.3.Software support – for which SI is responsible</p>	<p>As per Tender document, clause no. 8. Service Level Agreement (SLA) & Penalties, Maximum penalty ceiling for this penalty clause will be 10% of total capex (A0) as per financial bid.However in clause 8.2.Accuracy of e-Challan application & 8.3.Software support – for which SI is responsible, it is mentioned different penalty.</p> <p>As per the best practices in the government tender, overall penalties attributing to multiple factors should be capped at the maximum of 10% of the contract value.</p> <p>Hence, we request you to kindly amend the clause as mentioned below for fair & wider participation.</p> <p>Maximum penalty ceiling for this penalty clause will be 10% of total capex (A0) as per financial bid for Implementation phase SLA, Accuracy of e-Challan application & Software support.</p>	<p>Relaxation in false positive penalty is already provided in sr no. - 16 and Corrigendum. Therefore, no further change is considered in this clause.</p>

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
27	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 41	<p>8.2. Accuracy of e-Challan application:</p> <p>4.2.3. For all wrongly identified numbers (false positives), penalty of Rs. 10,000/- per each false positive will be levied to selected SI.</p>	<p>We request you to kindly amend the clause as mentioned below for fair & wider participation.</p> <p>4.2.3. For all wrongly identified numbers (false positives), penalty of Rs. 10,000/- per each false positive use case per quarter will be levied to selected SI.</p>	Please refer to Corrigendum

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
28	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 76	<p>A: SITC and O&M of e-Challan application & related database:</p> <p>2. License cost for one license for Wrong Side Driving detection- 457 Nos.</p> <p>3. License cost for one license for Not wearing seat belt detection- 457 Nos.</p> <p>4. License cost for one license for Not wearing helmet detection- 457 Nos.</p> <p>5. License cost for one license for Use of Mobile Phone while driving- 457 Nos.</p> <p>6. License cost for one license for ambient volume count of all types of vehicles with bifurcation of types of vehicle- 457 Nos.</p> <p>7. License cost for one license for Detection of more than two passenger on two-wheeler- 457 Nos.</p>	<p>> Wrong Side Driving,</p> <p>> Not wearing seat belt,</p> <p>> Not wearing helmet, Use of Mobile Phone while driving,</p> <p>> Ambient volume count of all types of vehicles with bifurcation of types of vehicle</p> <p>> Detection of more than two passenger on two-wheeler,</p> <p>> Detection of violation of entry prohibitory notification by heavy goods / passenger vehicles,</p> <p>> Detection of lane violation blocking free left traffic by entering wrong lane,</p> <p>> Detection of faded stop lines & zebra crossings, Spitting Detection,</p> <p>> Detection of uncovered debris in truck & extended metallic elements outside of heavy vehicles etc.</p> <p>The Above Traffic VA license quantity is 457 Nos, which is equivalent to the quantity of Red Light Violation Detection / Stop Line Violation Detection System 457 Nos. However, it is important to note that these above mentioned Analytics operate on ANPR Cameras/Lanes rather than RLVD Cameras/Arm. This is because capturing</p>	Please refer to Sr.No : 13

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
		<p>8. License cost for one license for Detection of violation of entry prohibitory notification by heavy goods / passenger vehicles- 457 Nos.</p> <p>9. License cost for one license for Detection of lane violation blocking free left traffic by entering wrong lane- 457 Nos.</p> <p>10. License cost for one license for Detection of faded stop lines & zebra crossings- 457 Nos.</p> <p>12. License cost for one license for Spitting Detection - 457 Nos.</p> <p>14. License cost for one license for Detection of uncovered debris in truck & extended metallic elements outside of heavy vehicles- 457 Nos.</p>	<p>number plate data is essential for challaning purposes. RLVD/Evidence cameras can only be used for evidentiary purposes.</p> <p>According to the industry standard, our understanding is that the above mentioned Traffic Analytics will runs on ANPR Camera/ANPR Lanes and the Quantity of these anaytics shall be count on 1542 ANPR Lanes.</p> <p>Hence, we request you to kindly confirm.</p>	

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
29	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 76	12.12 Financial Bid format: 3) Not wearing seat belt detection 5) Use of Mobile Phone while driving	Out of mentioned use cases, No seat belts / safety belts & Use of mobile phone while driving requires to capture the vehicle from front side. Whereas other use cases like RLVD/SVD (for capturing evidence), Not wearing helmet (bike plates are better readable from rear side), etc. requires to capture the scene from rear side. Please clarify the count of such analytics which may require separate cameras to capture the vehicle from front. Also let us know whether these camera count are considered in the RFP or MSI has to separately considered these cameras along with required accessories.	3) Please refer to Corrigendum 5) No Change
30	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 76	12.12 Financial Bid format: 11. License cost for one license for Identify unattended objects, baggage, vehicle in a given camera feed with help of analytics- 304 Nos. 13. License cost for one license for Detection of cattle on road- 304 Nos.	As per best industry practice, video analytics will perform only on fixed camera with fixed field of view. Therefore we request you to kindly confirm that the camera field of view for the PTZ camera will be fixed for running analytics.	PTZ camera is generally used by Police team for safety surveillance. Therefore, it is not possible to operate PTZ camera in fixed position. Whenever required, police team will operate its functions of pan, tilt & zoom. But after configured time period, camera will come to its base location.

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
31	Pg no 12	6:Traffic : View ambient volume count of all types of vehicles with bifurcation of types of vehicle in at least defined categories of 2W, 3W, car, Bus, LCV, HCV, MPV, HGV, HPV, LGV and LMV across all junctions in the city with a facility to drill down volume count on each arm.	We understand the objective here is to have volumetric details of the vehicles detected along with classification of vehicle such as 2W ,3W , Car ,Bus across all junctions in the city with a facility to drill down volume count on each arm. The system should have capability to further classify the vehicles such as LCV, HCV, MPV, HGV, HPV, LGV and LMV by integrating with Vahan/SAARATHI/RTO Database. Kindly confirm the understanding.	Yes Also refer Sr.No. : 2.
32	Pg no 13	Safety : 11) Identify unattended objects, baggage, vehicle in a given camera feed with help of analytics.	Kindly elaborate the functional requirement.	Based on the video feed received from the PTZ Cameras, (i) The e-challan system should be capable of identifying any object / baggage left unattended and stationary for more than 1 hour. Once the baggage is identified, raise an alert and send an email to concerned authorities along with the video/picture snippet and location. (ii) The e-challan system should be capable of identifying any 2-wheeler, 3-wheeler, 4-wheeler or larger vehicle

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
				parked/stationary/unattended on the road (with vehicles passing by on the road) for more than 1 hour. Once such vehicle is identified, an alert to be raised along with an email sent to concerned authorities with video/picture snippet and location.
33	Pg no 14	2. The RLVD system Including ANPR capabilities should be integrated with the various application and Databases like e-GujCop, RTO Database (Vahan, Sarathi), one nation one challan application and e-Challan application (to be developed under this project) etc. such that e-Challans can be generated by the system through an automated process.	We understand that the objective is indeed to automate challan generation without the need for operator intervention. The system should automatically create challans for vehicles with an ANPR confidence level exceeding 95%. Additionally, it should provide a feature for operators to manually review and verify challans to ensure their accuracy. Please confirm if this understanding is correct.	<p>The system should automatically create challans for vehicles with an ANPR accuracy of more than 90%.</p> <p>The system should have a GUI interface & dashboard wherein all the generated challans will be visible and will also have an option of manually approving / rejecting the challans. The police authorities will access this dashboard to approve the challans.</p> <p>Also refer to Sr.No : 9.</p>

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
34	Pg no 15 ,16,17,18,19,20,21 & 22	Every violation should automatically create a challan, a report in the format to be provided and created image / video snippets of duration to be specified and such report should be stored automatically with due indexing.	We understand that the objective is indeed to automate challan generation without the need for operator intervention. The system should automatically create challans for vehicles with an ANPR confidence level exceeding 95%. Additionally, it should provide a feature for operators to manually review and verify challans to ensure their accuracy. Please confirm if this understanding is correct.	Please refer to Sr No : 3 & 33.
35	Pg no 18	Use case 12: 5.1.12 : Spitting detection	From video analytics perspective, detecting spitting through video can be quite challenging due to its nature. This type of behavior is often small and may not have distinctive visual characteristics, making it difficult for automated systems to reliably identify. We request to kindly remove the spitting detection functionality from project scope.	Please refer to Sr No : 16.

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
36	Pg no 16 & 22	The system should be capable enough to detect from the raw video feed if any unauthorized vehicle is being driven in BRTS lane along with bifurcation of vehicles in at least defined categories of 2W, 3W, car, Bus, LCV, HCV, MPV, HGV, HPV, LGV and LMV.	<p>From a video analytics perspective, categorizing vehicles into types like LCV, HCV, MPV, HGV, HPV, LGV, and LMV can be extremely challenging and often not practically feasible due to the complexities involved in accurately identifying these distinctions solely from video data. A more reliable approach for obtaining precise vehicle classification data is through integration with authoritative databases like Vahan, SAARATHI, and RTO. These databases can provide accurate information about the types and classifications of vehicles, ensuring the reliability of the data used for analysis and decision-making.</p> <p>Kindly amend the clause as: " All vehicles violating traffic rule must be bifurcated in types of vehicle in at least defined categories of 2W, 3W, car, Bus. The system should have capability to further classify the vehicles such as LCV, HCV, MPV, HGV, HPV, LGV and LMV by integrating with Vahan/SAARATHI/RTO Database. "</p>	Please refer to Sr No : 31.

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
37	Pg no 21	<p>Use case 18 : 5.1.18: Detection of potholes on the road</p> <p>The system should be capable enough to detect from the raw video feed 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).</p>		Query is not mentioned by the bidder.
38	Pg no 20	<p>Use case 16 : 5.1.16 : Detection of damaged infrastructure</p> <p>1. The system should be capable enough to detect from the raw video feed the locations where civil / other infrastructure is damaged. For ex.: broken speed breaker, damaged traffic lights / poles, broken road edges, broken dividers and broken footpath.</p>		Query is not mentioned by the bidder.

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
39	Pg no 21	Use case 17: 5.1.17 : Parking rule violation detection 3. The system should be capable of detecting violator’s vehicle number utilizing OCR functionality. 4. Every detected violation should automatically create a challan, a report in the format to be provided with created image / video snippets of duration to be specified and such report should be stored automatically with due indexing.	We understand requirement here is to detect the parking violation & generate alert along with image snapshot. Operator will manually feed the vehicle number plate details from the image captured to generate the challans. Kindly confirm.	No, the e-challan system should be capable enough to detect parking violations and automatically generate a challan (for ex.: through detecting "No Parking" sign in the photo / video). The generated challans are to be displayed on the GUI interface and dashboard and have an option of manually approving/rejecting the challans. The police authorities will access this dashboard to approve and send the challans to respective violators.
40	Pg no 21	Use case 19 : 5.1.19 : Detection of water logging 1. The system should be capable enough to detect from the raw video feed the locations 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).		Query is not mentioned by the bidder.

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
41	Pg no 22	2.24. Detection of garbage on road 1. The system should be capable enough to detect from the raw video feed the locations 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).		Query is not mentioned by the bidder.
42	Pg no 24	2.28. Detection of uncovered debris in truck & extended metallic elements outside of heavy vehicles		Query is not mentioned by the bidder.

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
43	Pg no 26	<p>5.2.2 Perform people search based on description.</p> <ul style="list-style-type: none"> Perform people search based on description - application should provide options to input details like man, woman, boy, girl, child, old age people, age, height, body width etc. 	Kindly elaborate the functional requirement.	<p>Please refer to Sr No : 21</p> <p>A search form should be provided in GUI interface / dashboard with options / dropdown menus / fields to select / enter values like "man / woman / boy / girl / child" along with "junction name / camera name" and with options of "Search real time / Search in recorded video". If "man" is selected along with "junction name" for "real time search", then system should detect all men in the live video feeds of all PTZ cameras tagged to that junction name. To search people in recorded video feed, fields to enter "from" & "to" date & time along with buttons like "search for last 24 hours", "search for last week", "search for last quarter", "search for last year" etc. to be provided.</p> <p>There should also be a facility to enter / select multiple values simultaneously like "man" & "girl"</p>

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
				<p>for simultaneous search for both parameters.</p> <p>During 2nd year, there should also be a facility available to enter / select values like "old age people, age, height and body width".</p>

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
44	Pg no 26	5.2.3 Retrieve data points from camera feed Auto identify a specific camera and show the feed based on data / threshold from traffic/ display/ sensor subsystems.	Kindly elaborate the functional requirement.	<p>There should be a facility to define that if total count of passed vehicles for RLVD camera for present day crosses X number, then all those cameras complying to this condition will be listed.</p> <p>If any photo of any person is feeded in the system, then system should highlight the camera name when that person is discovered either in live video feed or recorded video feed of any particular time duration as defined in the form.</p> <p>Above mentioned are 2 examples to elaborate the functional requirement.</p>
45	Pg no 26	5.2.4 Detection of wrong number on vehicle number plate	We understand that Vehicle database such as Vahan/Sarathi/RTO database credentials will be available & these database are capable to support the data requests concurrently using API calls. Kindly confirm.	The Successful bidder will have to publish the API's for the integration of Violation information with RTO Database (Vahan, Sarathi) / e- Gujcop application / one nation one challan application which are capable of supporting API Calls.

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
46	Pg no 29	12. The Successful bidder will also have to publish the API's for the integration of Violation information with RTO Database (Vahan, Sarathi) / e- Gujcop application / one nation one challan application.	<p>Kindly clarify whether bidders to propose E-challan software or customer/NIC will provide One Nation One challan application.</p> <p>Also, incase on NIC E-challan system , Mobile application will be provided by NIC.</p> <p>Kindly confirm the understanding.</p>	<p>Successful bidder will provide e-Challan software / application to SCADL and integrate required APIs with application like one nation one challan.</p> <p>"Also, incase on NIC E-challan system , Mobile application will be provided by NIC." - Query is not clear.</p>
47	Pg no 30	There are ANPR, RLVD & PTZ cameras installed in smart city network. Proposed e-Challan application / solution will have to generate all types of e-Challan from the live video feed of these cameras as per SoW of this RFP. These cameras are equipped with Night vision capabilities with IR.	Kindly clarify whether existing cameras are ONVIF compliant & supports basic features like HLC , BLC , IRCorrected lens , No motion blur , Varifocal lens preferably 4-40/5-50mm lens etc.	Please refer to Sr No : 14.

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
48	Pg no 41	<p>4.2.2. No milestone will be approved during implementation phase till the time accuracy is achieved as per RFP. During O&M phase also, accuracy as mentioned in each use case will have to be achieved, otherwise penalty of Rs. 15,000/- per each defaulted use case per quarter will be levied to selected SI.</p> <p>4.2.3. For all wrongly identified numbers (false positives), penalty of Rs. 10,000/- per each false positive will be levied to selected SI.</p>	<p>Achieving 100% accuracy in any system, especially in complex tasks like video analytics, can be extremely challenging. Depending on the specific use case and the quality of input data, there will always be some margin of error or false positives and false negatives.</p> <p>It's essential for project stakeholders to strike a balance between the desired accuracy and the associated costs and feasibility. Penalizing heavily for false positives can indeed lead to inflated project costs and may not be practical. We request to establish realistic performance metrics and expectations for the system, which should include an acceptable level of false positives and false negatives.</p>	Please refer Sr. No : 26
49	Pre qualification Criteria Page no. 35 Clause no.4	ii. The cited project will only be considered if the e-Challan application implemented in that project has automatically generated >10K e-Challans for RLVD.	We request you to remove this clause as the end customers (Police Dept.) refused to share the data. "Certificate from the client clearly mentioning the number of RLVD e-Challans generated automatically by the quoted e-Challan application"	No change

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
50	Page no.29 - (5.5 Automatic Number Plate Recognition (ANPR) System)	The proposed ANPR system has to be integrated 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.	Please confirm customer will provide APIs of third party systems to be integrated	SCADL will facilitate selected bidder for proper coordination with owners of the third party systems for required API integration. Whatever software code to be developed for API integration will be selected bidder's responsibility.
51			Please confirm One Nation One Challan is an existing application to be integrated with proposed system	Yes, One Nation One Challan is an existing application.
52	Page no. 30-(5.6. Other important details)	SCADL will provide below mentioned IT resources to selected bidder to install e-Challan application and associated database.	Please confirm NON IT Infrastructure for the existing Infrastructure will also be provided and maintained by Customer	As per RFP scope of work.
53			Please confirm Operation & Maintenance of existing IT infrastructure will be in the scope of customer	Yes
54			Please confirm whether licenses like Virtualisation, OS, DB etc. will be provisioned by Bidder or Customer	If virtualisation environment is required, it will be successful bidder's responsibility to purchase compatible software & licenses. SCADL will provide CPU physical cores as per RFP clause - 5.6, point -6.OS & Database purchase is in

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
				successful bidder's scope.
55			Please confirm networking infrastructure among existing servers will be provided by customer	Yes
56	Page no. 30-(5.6. Other important details)	If bidder requires any additional IT resources to successfully deploy & operate eChallan application & its associated database, then SI will have to arrange resources on public cloud on their own cost	Please confirm connectivity from Customer Data Centre to proposed Public cloud will be provided by Customer or it is required to be considered by Bidder	It will be provided by SCADL. However, as per RFP clause - 5.6, point - 6, Bidder will have to clearly mention proposed technical architecture of their application suit along with internet connectivity / data consumption requirement for communication between SCADL IT infrastructure and public cloud in their proposal & presentation.
57	Page no. 31-(5.6. Other important details)	Selected SI will have to submit entire source code of the application to SCADL without any additional cost at the end of contract period.	It will be difficult for us to provide source code of the application, therefore request you to delete the clause	Please refer to Sr No : 25
58	Pg. No.14 - (Red Light Violation Detection / Stop Line Violation Detection System)	The system should be capable of identifying & capturing of vehicles traveling through a signaled intersection during the 'red' signal phase during 24x7 (both day and Night) and recording a series of violation images that track the whole violation event.	Please confirm there is no requirement to store video clip.	Video clip for committed violation is to be stored.

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
59	General	General	Please confirm SMS Gateway will be provided by Customer.	SMS Gateway is not in successful bidder's scope.
60	Page No : 34	<p>Similar Work:</p> <p>The Bidder should have demonstrable experience in supply, installation, testing & commissioning (SITC) and operation of their own / any OEM's COTS e-Challan application for at least 2 completed / on going projects in the last five years as on bid submission date (WO / go-live certificate must have been issued within last 5 years)</p>	<p>We would like to express concerns regarding the eligibility criteria for the tender, specifically the emphasis on similar projects. This might limit the participation of many companies. This, may leads to only specific companies may participate. To ensure fairness and competitiveness in the bidding process and to encourage the participation of a maximum number of companies, we request the consideration of other development projects. The department should assess technical expertise based on presentations rather than the similarity of projects. Consequently, we kindly request you to consider the work order for other software development projects.</p>	No change

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
61	Page No : 44	Licenses & Warranty / Support The selected bidder will be fully responsible to comply to all the terms & conditions of this RFP including providing required licenses as mentioned in SoW of this RFP and support for entire contract duration and maintaining the SLA / uptime failing which the required penalties will be levied.	<p>"During the development phase, if a licensed operating system is needed for security purposes or if licensed software is required for runtime upgrades in the developed software, our request is that the technical process and implementation for acquiring the license should be the responsibility of the vendor. The license should be obtained in the name of the department, and its cost should also be borne by the department.</p> <p>If this responsibility falls on the vendor, the vendor may not be able to determine the cost at this stage. This could potentially result in the vendor quoting a higher price, leading to the department not receiving a fair price for the actual development work."</p>	Please refer to Sr No : 54. Also note that any requirement of other type of software to ensure e-Challan application runs successfully is in successful bidder's scope. Bidder will have to accordingly quote their financial bid.
62	37	Successful implementation of various use cases (Bidder will have to successfully implement these use cases and generate e-Challan for each type of violation during POC to get the marks	We request that if the department considers work orders for other projects for eligible criteria, the marking criteria should also be revised, as the current criteria are based solely on similar projects	No change

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
63	8 & 48	Submission (in Hard Copy) 11.16.1 Opening of Bids 1. The bids that are submitted online & Physical successfully shall be opened online & offline as per date and time given in Proposal Data Sheet, through proper procedure only in the presence of bidders.	We request you to clarify whether the tender submission is Offline or Online of Technical evaluation documents mentioned in the eligible criteria.	PQ, TQ and technical proposal related documents and tender fee & EMD will be submitted both online & offline. Financial bid will only be submitted online.

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
64	New RFP_ICCC_SASA_e-Challan_Final - 37510, Page Nos. 12	<p>5.1 Use cases: This section deals with 20 Use cases along with their bucket wise bifurcation of the Use cases and detailed functional requirements.</p> <p>2. Traffic- Wrong Side Driving detection- RLVD cameras installed at junctions.</p> <p>3. Traffic- Not wearing seat belt detection- RLVD cameras installed at junctions.</p> <p>4. Traffic- Not wearing helmet detection- RLVD cameras installed at junctions.</p> <p>5. Traffic- Use of Mobile Phone while driving- RLVD cameras installed at junctions.</p> <p>6. Traffic- View ambient volume count of all types of vehicles- RLVD cameras installed at junctions.</p> <p>7. Traffic- Detection of more than two passenger on two-wheeler- RLVD cameras installed at junctions.</p> <p>8. Traffic- Detection of violation of entry prohibitory notification by heavy goods / passenger vehicles-</p>	<p>2. Wrong Side Driving detection</p> <p>3. Not wearing seat belt detection</p> <p>4. Not wearing helmet detection</p> <p>5. Use of Mobile Phone while driving</p> <p>6. View ambient volume count of all types of vehicles</p> <p>7. Detection of more than two passenger on two-wheeler</p> <p>8. Detection of violation of entry prohibitory notification by heavy goods / passenger vehicles</p> <p>9. Detection of lane violation blocking free left traffic by entering wrong lane</p> <p>12. Spitting Detection</p> <p>14. Detection of uncovered debris in truck & extended metallic elements outsideof heavy vehicles.</p> <p>As per the Scope of Work outlined in the RFP, the mentioned Vehicle Analytics (VA) use cases will run on RLVD cameras installed at junctions. However, it is crucial to note that the aforementioned VA analytics are designed to operate specifically on ANPR cameras/ lanes, rather than RLVD cameras. This distinction is important as capturing number plate data is essential for challaning purposes.</p>	Please refer to Sr.No : 13

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
		<p>RLVD cameras installed at junctions.</p> <p>9. Traffic- Detection of lane violation blocking free left traffic by entering wrong lane- RLVD cameras installed at junctions.</p> <p>12. Civic Administration-Spitting Detection - RLVD cameras installed at junctions.</p> <p>14. Civic Administration-Detection of uncovered debris in truck & extended metallic elements outsideof heavy vehicles- RLVD cameras installed at junctions.</p>	<p>RLVD/Evidence cameras are reserved solely for evidentiary purposes. It is also emphasized that these Vehicle Analytics use cases will require correlation between RLVD and ANPR data. Hence, we request you to kindly amend the clause as mentioned below for fair & wider participation.</p> <p>" The above mentioned VA Use-cases Run on ANPR Cameras installaed at Junctions".</p> <p>Requested to clarify above mentioned analytics use cases functionality to be achieved fully automatic via software analytics or manually for challaning</p>	

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
65	New RFP_ICCC_SASA_e-Challan_Final - 37510, Page Nos. 13	<p>Scope of Work:</p> <p>The scope of work under this RFP covers below mentioned 20 Use cases, additional features & Mobile application along with functional requirements to be implemented in e-Challan application / solution:</p> <ol style="list-style-type: none"> 1. ANPR cameras at junctions - 1542 Nos. 2. RLVD cameras at junctions- 457 Nos. 3. ANPR Cameras at BRTS- 249 Nos. 4. PTZ - 304 Nos <p>This section deals with 20 Use cases along with their bucket wise bifurcation of the Use cases and detailed functional requirements:</p> <ol style="list-style-type: none"> 1. Red Light Violation Detection / Stop Line Violation Detection 2. Wrong Side Driving detection 3. Not wearing seat belt detection 4. Not wearing helmet detection 	<p>The standard life cycle of any electronic device is 6-7 years, during which the quality of the feed keeps degrading continuously.</p> <p>As per the RFP, the cameras and external IR illuminators have been functional in the project for the past 5–6 years. The accuracy level as desired in the RFP is also dependent on the quality of the video feed coming from existing cameras and the IR illumination from an external illuminator during night time and the same shall be ensured by SCADL.</p>	Please refer to Sr No : 14

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
		<p>5. Use of Mobile Phone while driving</p> <p>6. View ambient volume count of all types of vehicles with bifurcation of types of vehicle in at least defined categories of 2W, 3W, car, Bus, LCV, HCV, MPV, HGV, HPV, LGV and LMV across all junctions in the city with a facility to drill down volume count on each arm.</p> <p>7. Detection of more than two passenger on two-wheeler.</p> <p>8. Detection of violation of entry prohibitory notification by heavy goods / passenger vehicles</p> <p>9. Detection of lane violation blocking free left traffic by entering wrong lane</p> <p>10. Detection of faded stop lines & zebra crossings</p> <p>11. Identify unattended objects, baggage, vehicle in a given camera feed with help of analytics.</p> <p>12. Spitting Detection</p> <p>13. Detection of cattle on road</p> <p>14. Detection of uncovered debris in truck & extended metallic elements</p>		

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
		<p>outside of heavy vehicles.</p> <p>15. Detection of garbage on road.</p> <p>16. Detection of damaged infrastructure.</p> <p>17. Parking rule violation detection.</p> <p>18. Detection of potholes on the road.</p> <p>19. Detection of Water Logging areas.</p> <p>20. Unauthorized vehicle in BRTS lane (249 ANPR cameras positioned at BRTS Stations).</p> <p>5. 4. e-Challan System</p> <p>5.5 Automatic Number Plate Recognition (ANPR) System</p>		

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
66	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 14	8. The RLVD system should have both the options, one for integration with the Red Light Signaling System controller and second it should be able to sense the Red-light sign using pixel based change detection and identify violators based on it.	<p>In the RFP it is mentioned that RLVD system should have both provision of detecting RLVD by using pixel based change detection(VA method) and integration with Red light controller method.</p> <p>Our RLVD system have provision to detect red light having both system but detecting Red light by integration with Red light signalling system will additionally required NO/NC device and there will be commercial impact of this on MSI/bidder and it is also a old technology.</p> <p>Therefore we request you to kindly amend the clause as mentioned below- The RLVD system should have both the options, one for integration with the Red Light Signaling System controller and second it should be able to sense the Red-light sign using pixel based change detection and identify violators based on it. Bidder have to propose RLVD solution as per their OEM solution architecture.</p>	Please refer to Sr No : 15

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
67	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 18	5.1 Use cases: Use case 12: 5.1.12 : Spitting detection	<p>Spitting detection with challan feature is required in RFP but to implement this in actual scenario is a difficult task there are several challenges while deploying in real scenario, here are some challenges that we may face while deploying Spitting detection-</p> <p>It may generate lots of the false events because of lighting conditions, weather (e.g., rain), and obstructions in the camera's field of view, These factors can lead to false positives or negative alert, Different camera perspectives and angles can make it difficult to capture and analyze spitting behaviors accurately and also Achieving a balance between minimizing false positives (identifying non-spitting actions as spitting) and false negatives (failing to detect actual spitting incidents) is challenging.</p> <p>Continuous video monitoring to detect spitting could raise privacy concerns as well, as it involves capturing individuals' actions in public spaces.</p> <p>Therefore we request you to kindly remove this Video analytics use case</p>	Please refer to Sr No: 16

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
68	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 18	5.1 Use cases: Use case 10: 5.1.10: Detection of faded stop lines & zebra crossings	As per VA techniques,machine learning algorithms and modules, Detection of faded stop lines & zebra crossings are possible over a period of time. Already faded stop lines & zebra crossings are difficult to detect in Video Analytics. Kindly confirm if our understanding is correct Requested to clarify above mentioned analytics use cases functionality to be achieved fully automatic via software analytics or manually for challaning	Please refer to Sr No : 17
69	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 19	5.1 Use cases: Use case 14 : 5.1.14 : Detection of uncovered debris in truck & extended metallic elements outside of heavy vehicles	In a moving truck, which can be detected through an IP camera for a few microseconds or miliseconds.Detection weather the material inside the truck is debris or something has been very difficult to detect. Hence, we request you to kindly remove this VA use case from the Scope of work. Requested to clarify above mentioned analytics use cases functionality to be achieved fully automatic via software analytics or manually for challaning	Please refer to Sr No : 18 The mentioned usecase to be executed in fully automatic mode in e-challan system via software analytics without any manual intervention.

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
70	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 20	5.1 Use cases: Use case 16 : 5.1.16 : Detection of damaged infrastructure	For detection of damaged infrastructure we request authorities to provide some datasets to learn and train our VA module as per site actual conditions	Please refer to Sr No : 19
71	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 21	5.1 Use cases: Use case 18 : 5.1.18: Detection of potholes on the road	As per industry standard video analytics works on camera pixels data. Hence we request you to kindly define the size of the object of potholes in terms of pixels as 200x200 PPM.	Please refer to Sr No : 20
72	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 26	5.2.2 Perform people search based on description: Perform people search based on description - application should provide options to input details like man, woman, boy, girl, child, old age people, age, height, body width etc.	Through AI system we can get valuable visual information but AI system is unable to measure physical dimensions. Therefore it is not possible to detect age, height, body width etc from AI system. Therefore we request to kindly remove the clause as mention below- Perform people search based on description - application should provide options to input details like man, woman, boy, girl, child and also confirm the no. of licenses require for these use cases. Also Confirm the this use case will runs on how many cameras and incorporate the	Please refer to Sr No : 21

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
			same in Financial Bid format.	
73	New RFP_ICCC_SASA_e-Challan_Final - 37510, 5.5 Automatic Number Plate Recognition (ANPR) System, Page no. 29	7. The Accuracy of ANPR system should be more than 90% in case of standard English Iphanumeric Font and High Security Registration plates and 75% for Hindi Devnagari and Gujarati scripts, the system should be able to capture the Registration Plate of a vehicle moving at a speed of up to 120 Km/hour with the same level of accuracy.	ANPR is the backbone of any ITMS system, and the provenance of ANPR accuracy Hence, we request that you kindly add an accuracy certificate from any police or traffic police department for meeting 90% ANPR accuracy satisfactory certificate/document required	Please refer to Sr No : 22
74	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 30	5.6. Other important details: 5. There is no GPU available in existing server setup. It is bidder's responsibility to arrange GPU for their software requirement. Successful bidder will be free to augment the existing hardware/software at their own cost as per their requirement to ensure the achievability of the SLA's.	We request that you kindly confirm how many GPU slots are available per server for the provision of GPU cards.	Please refer to Sr No : 23

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
75	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 30	<p>5.6. Other important details:</p> <p>6. SCADL will provide below mentioned IT resources to selected bidder to install e-Challan application and associated database.</p> <p>If bidder requires any additional IT resources to successfully deploy & operate eChallan application & its associated database, then SI will have to arrange resources on public cloud on their own cost (including all types of cost elements of public cloud like IT infrastructure / IT resources, bandwidth cost etc.). Bidder may plan the architecture of the application wherein some of the modules of the overall application suit is run on SCADL IT infrastructure and other may be run on public cloud. Bidder will have to clearly mention proposed technical architecture of their application suit along with internet connectivity / data consumption requirement for</p>	<p>Private cloud provides advantages of Scalability, High Availability, Security and natively running Advanced services. Major projects and customers run their applications on private Cloud.</p> <p>Hence, we request you to kindly amend the clause as mentioned below for fair & wider participation.</p> <p>If bidder requires any additional IT resources to successfully deploy & operatee Challan application & its associated database, then SI will have to arrange resources on public cloud on their own cost (including all types of cost elements of public cloud or private cloud like IT infrastructure / IT resources, bandwidth cost etc.). Bidder may plan the architecture of the application wherein some of the modules of the overall application suit is run on SCADL IT infrastructure and other may be run on public cloud or private cloud. Bidder will have to clearly mention proposed technical architecture of their application suit along with internet connectivity /</p>	Please refer to Sr No : 24

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
		communication between SCADL IT infrastructure and public cloud in their proposal & presentation.	data consumption requirement for communication between SCADL IT infrastructure and public cloud in their proposal & presentation.	

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
76	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 31	9. Selected SI will have to submit entire source code of the application to SCADL without any additional cost at the end of contract period. The ownership of the application (including the source code) will be of SCADL. It is selected SI's responsibility to ensure that with the source code provided to SCADL, the entire e-challan analytics application runs successfully even post contract period without any further requirement of O&M contract with the bidder. 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.	<p>Source code is Intellectual property rights of any Software OEM and it can't be shared. We will provide API to integrate with any 3rd party Application if required. Hence we request you to please remove source code.</p> <p>Hence, we request that you amend the clause as mentioned below for fair and larger participation.</p> <p>Selected SI will have to submit API, backup data to SCADL without any additional cost at the end of contract period.</p>	Please refer to Sr No : 25

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
77	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 41	<p>8.1. Implementation phase SLA:</p> <p>8.2.Accuracy of e-Challan application</p> <p>8.3.Software support – for which SI is responsible</p>	<p>As per Tender document, clause no. 8. Service Level Agreement (SLA) & Penalties, Maximum penalty ceiling for this penalty clause will be 10% of total capex (A0) as per financial bid.However in clause 8.2.Accuracy of e-Challan application & 8.3.Software support – for which SI is responsible, it is mentioned different penalty.</p> <p>As per the best practices in the government tender, overall penalties attributing to multiple factors should be capped at the maximum of 10% of the contract value.</p> <p>Hence, we request you to kindly amend the clause as mentioned below for fair & wider participation.</p> <p>Maximum penalty ceiling for this penalty clause will be 10% of total capex (A0) as per financial bid for Implementation phase SLA, Accuracy of e-Challan application & Software support.</p>	Please refer to Sr No : 26

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
78	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 41	<p>8.2. Accuracy of e-Challan application:</p> <p>4.2.3. For all wrongly identified numbers (false positives), penalty of Rs. 10,000/- per each false positive will be levied to selected SI.</p>	<p>We request you to kindly amend the clause as mentioned below for fair & wider participation.</p> <p>4.2.3. For all wrongly identified numbers (false positives), penalty of Rs. 10,000/- per each false positive use case per quarter will be levied to selected SI.</p>	Please refer to Sr No : 27

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
79	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 76	<p>A: SITC and O&M of e-Challan application & related database:</p> <p>2. License cost for one license for Wrong Side Driving detection- 457 Nos.</p> <p>3. License cost for one license for Not wearing seat belt detection- 457 Nos.</p> <p>4. License cost for one license for Not wearing helmet detection- 457 Nos.</p> <p>5. License cost for one license for Use of Mobile Phone while driving- 457 Nos.</p> <p>6. License cost for one license for ambient volume count of all types of vehicles with bifurcation of types of vehicle- 457 Nos.</p> <p>7. License cost for one license for Detection of more than two passenger on two-wheeler- 457 Nos.</p> <p>8. License cost for one license for Detection of violation of entry prohibitory notification by heavy goods / passenger vehicles- 457 Nos.</p>	<p>> Wrong Side Driving,</p> <p>> Not wearing seat belt,</p> <p>> Not wearing helmet, Use of Mobile Phone while driving,</p> <p>> Ambient volume count of all types of vehicles with bifurcation of types of vehicle</p> <p>> Detection of more than two passenger on two-wheeler,</p> <p>> Detection of violation of entry prohibitory notification by heavy goods / passenger vehicles,</p> <p>> Detection of lane violation blocking free left traffic by entering wrong lane,</p> <p>> Detection of faded stop lines & zebra crossings, Spitting Detection,</p> <p>> Detection of uncovered debris in truck & extended metallic elements outside of heavy vehicles etc.</p> <p>The Above Traffic VA license quantity is 457 Nos, which is equivalent to the quantity of Red Light Violation Detection / Stop Line Violation Detection System 457 Nos. However, it is important to note that these above mentioned Analytics operate on ANPR Cameras/Lanes rather than RLVD Cameras/Arm. This is because capturing</p>	Please refer to Sr No : 13

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
		<p>9. License cost for one license for Detection of lane violation blocking free left traffic by entering wrong lane- 457 Nos.</p> <p>10. License cost for one license for Detection of faded stop lines & zebra crossings- 457 Nos.</p> <p>12. License cost for one license for Spitting Detection - 457 Nos.</p> <p>14. License cost for one license for Detection of uncovered debris in truck & extended metallic elements outside of heavy vehicles- 457 Nos.</p>	<p>number plate data is essential for challaning purposes. RLVD/Evidence cameras can only be used for evidentiary purposes.</p> <p>According to the industry standard, our understanding is that the above mentioned Traffic Analytics will runs on ANPR Camera/ANPR Lanes and the Quantity of these anaytics shall be count on 1542 ANPR Lanes. Hence, we request you to kindly confirm.</p>	

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
80	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 76	12.12 Financial Bid format: 3) Not wearing seat belt detection 5) Use of Mobile Phone while driving	Out of mentioned use cases, No seat belts / safety belts & Use of mobile phone while driving requires to capture the vehicle from front side. Whereas other use cases like RLVD/SVD (for capturing evidence), Not wearing helmet (bike plates are better readable from rear side), etc. requires to capture the scene from rear side. Please clarify the count of such analytics which may require separate cameras to capture the vehicle from front. Also let us know whether these camera count are considered in the RFP or MSI has to separately considered these cameras along with required accessories.	Please refer to Sr No : 29
81	New RFP_ICCC_SASA_e-Challan_Final - 37510, page No. 76	12.12 Financial Bid format: 11. License cost for one license for Identify unattended objects, baggage, vehicle in a given camera feed with help of analytics- 304 Nos. 13. License cost for one license for Detection of cattle on road- 304 Nos.	As per best industry practice, video analytics will perform only on fixed camera with fixed field of view. Therefore we request you to kindly confirm that the camera field of view for the PTZ camera will be fixed for running analytics.	Please refer to Sr No : 30

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
82	7.1. Eligibility Pre-Qualification Criteria, sr. no. 2 (PQ-2) and Page no. 34	<p>The bidder should have a minimum cumulative turnover of Rs. 3 crores from ICT/IT/ITES Projects in last three (3) financial years (i.e. FY 2019-20, 2020-21 and 2021-22 or FY 2020-21, 2021-22 and 2022-23 (non-audited))</p> <p>If the bidder is MSME registered company, than bidder should have a minimum cumulative turnover of Rs. 1 crore from ICT/IT/ITES Projects in last three (3) financial years (i.e. FY 2019-20, 2020-21 and 2021-22 or FY 2020-21, 2021-22 and 2022-23 (non-audited))</p>	<p>Here in RFP, the EMD asked is 50 Lacs. As per the government norms, the EMD should be 2 to 5 % of the estimated value of the project. Here if we consider highest value 5%, than the estimated value of project is 10 Crore. For the project valued 10 Crore minimum, the turnover of average 3 crore for last 3 financial years may create risk for Ahmedabad Smart city. Because Ahmedabad Smart city must not take risk of giving minimum 10 crore worth of project to the party who does business of only 9 crore cumulatively in last 3 years. This is a suggestion. We request Ahmedabad smart city to increase the average annual turnover for last 3 years to minimum 10 Crore.</p>	Please refer to Corrigendum
83	Use case 3: 5.1.3, Use case 3: 5.1.3 - 15 & 16	24*7 Monitoring for seatbelt, mobile phone violations (among others)	Based on typical lighting conditions, night observation of these violations may be less accurate than day.	No change

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#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
84	Use case 11: 5.1.11	Detection of unattended objects, baggage, vehicle in camera feed with the help of analytics	For baggage, objects and vehicles is there a set time period of unactivity which is considered as an "unattended" state? Also, will this criteria be different for baggage/objects vs vehicles	Please refer to Sr No : 32
85	Point 3, Sub Point 2	Rs. 18,000 /- (Rs. Eighteen Thousand Only) In the form of Demand Draft / Banker's Cheque in favor of “Smart City Ahmedabad Development Limited” drawn on anyscheduled / nationalized bank and payable at Ahmedabad.	Please clarify if this amount is to be paid by MSME and Startups as well	Yes
86	Clause 7.1, Point 2	The bidder should have a minimum cumulative turnover of Rs. 3 crores from ICT/IT/ITES Projects in last three (3) financial years (i.e. FY 2019-20, 2020-21 and 2021-22 or FY 2020-21, 2021-22 and 2022-23 (non-audited))	The bidder should have a minimum cumulative turnover of Rs. 3 crores Rs. 2.5 crores from ICT/IT/ITES Projects in last three (3) financial years (i.e. FY 2019-20, 2020-21 and 2021-22 or FY 2020-21, 2021-22 and 2022-23 (nonaudited))	Please refer to Corrigendum

RFP for “Selection of System Integrator (SI) for implementation of e-Challan system with advanced analytics for Ahmedabad City”

#	RFP Document Clause/ Section No.	Content of the RFP Requiring Clarification	Clarification Sought	Response /Revised Clause
87	Clause 7.1, Point 4	<p>i. The e-Challan application must have basic functionalities of detecting Red Light Violation (RLVD) along with Automatic Number Plate Recognition (ANPR) and generating e-Challan for same at Day – 0.</p> <p>ii. The cited project will only be considered if the e-Challan the application implemented in that project has automatically generated >10K e-Challans for RLVD.</p>	<p>i. The e-Challan application must have basic functionalities of detecting traffic violations including Red Light Violation (RLVD) along with Automatic Number Plate Recognition (ANPR) and generating e-Challan for same at Day – 0. Day 1.</p> <p>ii. The cited project will only be considered if the e-Challan application implemented in that project has automatically generated a total of 10K e-Challans for RLVD.</p>	No change
88		Is Joint Venture or Consortium is allowed?	Kindly clarify if Joint Venture or Consortium is allowed	Please refer to Corrigendum