

Responses to Pre-bid Queries / Suggestion

Request for proposal (RFP) for selection of Implementing agency for Supply, Installation and Operations & Maintenance of State Wide Surveillance and ITMS project across the State of Gujarat (RFP No: GIL/Home Dept./SASGUJ Project/2017-18)

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
1	12/Section No. 2.3/9	<p>OEMs of proposed equipment/components should have their own registered office in India as per the prevalent/ applicable laws of India and be in operation in India for last five years as on the bid issuance date. Registered offices by way of Joint ventures, Franchise, agency, distribution partners will not be considered.</p> <p>a.) OEMs for networking devices at aggregation layer and data centre layer should be one of the top five from the GARTNER list of top five companies for data centre networking b.) OEM for other networking equipment's should be in the top Five positions in terms of market share in India as per latest available IDC report or should be present in latest Gartner magic Quadrant. c.) OEM for storage and servers should be from companies featuring in Gartner magic quadrant in leadership position.</p>	<p>"OEMs of proposed equipment/components should have their own registered office in India as per the prevalent / applicable laws of India and be in operation in India for last five years as on the bid issuance date".</p> <p>Suggestion/Observations: We would like to hereby bring this to your notice that our OEM in Video management and Security Middle ware spare are among the Top 3 vendors in the world wide Video management system space and are there in India for the last many years through their strong & established Technology alliance partner network as a global business model adopted. Hence we sincerely request with you to kindly consider to revise this clause for VMS as "OEM' s proposed for VMS shall be a part of IMS Top 3 vendors worldwide and if selected for this project must establish a setup in India within 3 months of issuance of the order" This amendment would give a fair opportunity to international software firms whose business model might be different from a hardware equipment vendor, to be a part of this prestigious project and serve this requirement</p>	No Change
2	37/section 4.1/k	<p>The VMS should support digital zoom on the workstation or external monitors (analog or digital). The user shall be able to perform digital zoom magnification up to 20 times, digitally zooming in up to 672% of the original size. a.) The zoom feature shall be available on monitor and playback modes. b) The zoom feature shall provide Digital PTZ functionality, allowing the user to Pan and Tilt within the zoomed image</p>	<p>The VMS should support digital zoom on the workstation or external monitors (analog or digital). The user shall be able to perform digital zoom magnification up to 20 times, digitally zooming in up to 672% of the original size Suggestion/Observations: The proposed Digital zooming mentioned is proprietary to a single OEM , kindly consider to delete the digital zooming % as each VMS provider has different way of approaching this requirement.</p>	Please Refer Revised RFP Document
3		additional suggestion/ Request	<p>H.265 as a compression technique is an emerging and promising technology which can bring in significant benefits in optimizing bandwidth which also significantly reduces the overall TCO by providing a platform to optimize the Hardware in the areas of Servers and Storage. It is important to have such compression technique being supported in the VMS software chosen in such State wide video surveillance infrastructure. Kindly consider to include H.265 as</p>	Please Refer Revised RFP Document
4	11/section 2.3/ 3	<p>The bidder must have annual turnover of at least Rs. 500 Crores for each of the last three financial years as on 31st March, 2017. Average Annual Turnover of the bidder generated solely from supply/service for (active and passive) Networking (setting up or O&M) and Data Centre (setting up or O&M) during the last three financial years, should be at least Rs. 250 crores. In case Bidder is a wholly owned / 100 % subsidiary, the turnover of Parent company would be considered for eligibility</p>	<p>We request to revise the clause with Annual turnover of Rs. 150 Crores for each of the last three financial years as on 31st March, 2017. of the last three financial years as on 31st March, 2017. Average Annual Turnover of the bidder generated solely from supply/service for (active and passive) Networking (setting up or O&M) and Data Centre (setting up or O&M) during the last three financial years, should be at least Rs. 75 considered for eligibility.</p>	Please Refer Revised RFP Document
5	32/ section 3.2/ 7	Installation and Commissioning and FAT of hardware/software at end point Locations	<p>By observing scope of work we request to revise the time line from 150 calendar days to 750 Calendar Days. Based on given scope of work 150 days of time line seems very difficult.</p>	Please Refer Revised RFP Document
6	33/section 3.2/ 6	<p>6.) Please note that if the successful bidder fails to complete Proof of concept or perform as per the requirement of the TENDERER even after the second attempt, then his EMD will be forfeited, contract terminated, and the work will be assigned to L2 bidder, subjected to his acceptance, at cost to the successful bidder.</p>	<p>We request to remove the clause for EMD to be forfeited. Tenderer can reject the Bid of the Bidder. We request to elaborate in some detail that "and the work will be assigned to L2 bidder, subjected to his acceptance, at Cost to the successful bidder". This remark is not very clear.</p>	Please Refer Revised RFP Document

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7	44/ Section 4.2/ 6	The System should be able to capture license plates for vehicle moving up to the speed of 120 Km/Hours at: <ul style="list-style-type: none"> • 9g0 % accuracy for Standard English alpha-numeric fonts and HSRP for both day and night • 75% accuracy for non-standard fonts for both day and night 	We request to revise the clause 'a' of 90% accuracy to 75-80%. This is due to reason that at least 20% of vehicles in the state may from other states of India that would have non standard number plates which are difficult to recognize. Also, we request to revise the clause 'b', from 75% to 50%. This is due to non surity of recognizing non standard fonts, non english apha-numeric numbers.	No Change
8		additional suggestion/ Request	In entire RFP document there is no mention of consotium Suggestion: We request to allow consortium of at least 3-4 partners include lead bidder in interest to provide best commercial proposal in-line with optimized technological solution	Please Refer Revised RFP Document
9		additional suggestion/ Request	In entire RFP document there is no mention about central location address and area wise distributed locations for the material delivery. Also, no mention about receiving receipts for the delivery of material to the Tenderer Suggestion: We request to elaborat on the mechanism for the delivery of materials & equipment to authorised person from the Tenderer and receiving of signed delivery challan/receipts	The Bidder will have to deliver all the required items under the project at its own central ware house (in ahemdabad or gandhinagar), where as the intallation has to be done at the end locations as proided as Annexure D of this Document , The custody and responsibility of such delivered equipments/ items will remian with the bidder , Although the Inspections shall be done by the TENDERER or its nominated agency and the payment shall be released as per payment terms
10	84/section 5.33.2 / 1	Availability/Uptime of End Points like CCTV camera, switches, routers, IR Illuminators etc. Target: 99.00% Penalties: 99.00% or Better= NIL 98.50% to 98.99%=0.50% of QP 98.00 to 99.49% = 1.00% of QP less than 98% = 1.50% of QP	Request to revise the SLA with Below. 1. 98.00 % or Better = NIL 2. 97.50% to 97.99% = 0.25% of QP 3. 97.00 to 97.49% = 0.50% of QP 4. Less than 97% = 1.00 % of QP	Please Refer Revised RFP Document
11	84/section 5.33.2 / 3	Latency (Device only) Less than 50ms • Rs. 2000 per hour, per instance or part thereof. • Successful bidder has to analyse, report, escalate and get the issue resolved within 24 hours	We request to revise with below 1. Rs. 1000 per two hour, per instance or part thereof	Please Refer Revised RFP Document
12	84/section 5.33.2 / 2	Not keeping required Manpower As per SLA • Management level staffs like PM/ Manager: 5000/- per day per person for un-sanctioned/ non-reporting • All other staffs other than computer operator: 1000/- per day per person for un-sanctioned/ non-reporting • Computer operator: Rs. 500/- per day per person for un-sanctioned/ non-reporting • Above charges are in addition to deduction of actual wages for the period of absence based on the rate schedule	-	No Change
13	84/section 5.33.2 / 4	Packet Loss (Device only) <=0.5% • Rs. 2000 per hour, per instance or part thereof. • Successful bidder has to analyse report, escalate and get the issue resolved within 6 hours.	We request to revise with below 1. Rs. 1000 per two hour, per instance or part thereof.	Please Refer Revised RFP Document

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14	85/section 5.33.2 / 5	Accuracy of ANPR/RLVD As per SLA • Rs. 500,000/- per month • Any continuing default extending beyond 4 months will be a reasonable ground for termination of this contract.	We request to revise with blow 1. Rs. 1,00,000 /- Per Month	Please Refer Revised RFP Document
15	85/section 5.33.2 / 6	Delay in resolution of support/incidents for the devices installed by the bidder As per SLA • Level 1: 0.25% of QP for every 2 Hours Delay in resolution, capped to 3% of QP every incident • Level 2: 0.10% of QP for every 2 Hours delay in resolution, capped to 1% of QP every incident • Level 3: 0.10% of QP for every 6 Hours delay in resolution, capped to 1% of QP every incident • Level 4: 0.10% of QP for every 12 Hours delay in resolution, capped to 1% of QP every incident	We request to revise the same with below resolution, capped to 3% of QP every incident resolution, capped to 1% of QP every incident resolution, capped to 1% of QP every incident resolution, capped to 1% of QP every incident Level 1: 0.25% of Qp every 4 hours Delay in Level 2: 0.10% of Qp every 4 hours Delay in Level 3: 0.25% of Qp every 10 hours Delay in Level 4: 0.25% of Qp every 16 hours Delay in	No Change
16	85/section 5.33.2 / 7	Time Line for Retrieval from the Storage Maximum 30 Minute for per request is allowed • Rs. 500 for every instance of late retrieval beyond 30 minutes • Note: Data Retrieval Request Through a Request Log Mechanism	We request to revise the same with below. 1. Rs. 250/- for every instance of late retrieval beyond 30 minutes	Please Refer Revised RFP Document
17	85/section 5.33.2 / 8	Uptime of all IT components & services under scope 99.741% (at each individual component level) • For each component 99.241-99.741 - 1.0% of QP; 98.741-99.241 - 2.0% of QP And so on If the uptime goes below 96.741, additional penalty of 1% will be charged on QP for each slab 1% downtime.	We request to revise SLA up time at each individual component level from 99.741% to 98%	Please Refer Revised RFP Document
18	85/section 5.33.2 / 9	Uptime of all non-IT Components & services under scope 99.741% (at each individual component level) • 99.249-99.749 - 0.5% of QP; 98.749-99.249 - 1.0% of QP And so on If the uptime goes below 96.749%, additional penalty of 0.5% will be charged on QP for a slab of 1%.	We request to revise the SLA up time at each individual component level from 99.741% to 98%	Please Refer Revised RFP Document
19	85/section 5.33.2 / 10	Security Breach As per SLA • 3% Of QP for every 30 Minutes delay in detection and additional 1% for every 1 hour. delay in the mitigation of security breach	We request to revise the same with below 2% of QP for every 1 hour delay in detection and additional 1% for every 1 hour delay in the mitigation of security breach	Please Refer Revised RFP Document
20	10/ Section 2.1/	Home Department, Government of Gujarat envisage to implement SASGUJ as a State-wide surveillance project across the state covering approximately 165 Cities spread across the state in a phased manner. Phase-I of the project will cover around 44 major cities and phase-II of the project will cover remaining 120 cities of the state.	RFP states that 6500 cameras are to be installed in phase I where as in Annexure A the total number of cameras to be installed at specified cities adds up to 4410 cameras. Please clarify the difference in the two quantities given in the RFP.	Please Refer Revised RFP Document
21	15/Section 3.1.1/	Bidder is required to consider total sizing of the project (Phase I & II) to the tune of around 20,000 cameras out of which approx. 6500 cameras will be installed under the phase-I of the project.		Please Refer Revised RFP Document
22	16/ Section 3.1.1.2/E	Detailed list of locations along with the required no. of cameras is mentioned in Annexure-A. However, while doing detailed feasibility study and site survey activity bidder is required to include type and quantities of camera required at each location		As per RFP
23	104/ Section 7/ Annexure A	Annexure A		Please Refer Revised RFP Document
24	59/ SECTION-IV/TECHNICAL SPECIFICATIONS/ 4.25 Managed Outdoor L2 Switch, PoE with Fibre Port	Temperature: Ambient temperature range of 0 ° C to 55 ° C. The bidder has to take into consideration of the internal temperature adjustment of the junction box	Ambient temperature should be -40 °C to 75 °C. For outdoor harsh environment higher temperature support is required. For outdoor products, this is the standard temperature rating.	Please Refer Revised RFP Document

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25	58/ SECTION-IV TECHNICAL SPECIFICATIONS/4.25 Managed Outdoor L2 Switch, PoE with Fibre Port	Minimum 8 No's of 10/100/1000 Base-Tx PoE ports (Duplex, Full, Half) and 2 x 1G SFP Uplink port.	Minimum 8 ports of 10/100/1000 Base Tx PoE+ ports supporting power budget of minimum 240 Watt and 2x 1GE SFP uplink port,"In city wide networks fiber backbone will be used for long distance uplink connectivity. Most Cameras require at least 22 W or higher to operate in High resolution mode with clarity for detailed analytics. This can only be met with PoE+ standard of 30 Watt per port delivery. For 8 port switch to support 30 watt simultaneously the required power budget should be minimum 8 x 30 W = 240 W.	The Technical specifications mentioned in the RFP are the minimum required Specifications and the bidder is free to propose the equipment's with better features/capabilities in order to meet the functional outcome asked under the project
26	58/ SECTION-IV TECHNICAL SPECIFICATIONS/4.25 Managed Outdoor L2 Switch, PoE with Fibre Port	Should have IGMP snooping v1,2 & 3 supporting min 100 multicast groups	Switch should support minimum 1K Multicast group,"In a IP surveillance, each camera is a multicast source which consumes at least 2x hardware entries. In a ring the multicast sources gets cascaded which demands high number of multicast group support in hardware for efficient streaming of surveillance Data. If the switch does not have enough SGV entries then the entire data gets handled by the CPU which results in packets drops, sluggish networks and high latency. In smart city environments since there could be multiple utilities running in same ring it is highly recommended to ensure scalability of multicast group support per switch	This is the minimum mentioned Specification, the bidder is free to proposed better or higher features as a part of its proposed solution
27		additional	Switch should support IP 30 rating,"IP 30 rating ensures protection of electronic circuitry from Falling Dirt and accidental contact with tools / equipment. This is highly recommended in outdoor / city environment where skilled/trained workforce is always an issue.	No Change
28	59/ SECTION-IV TECHNICAL SPECIFICATIONS/4.25 Managed Outdoor L2 Switch, PoE with Fibre Port	Duplicate address detection (DAD)	PLs remove this feature,DAD feature is used with IPV6 which is not the protocol of choice over the internet and we have long way before it is adopted. Configuring and managing IPV6 requires highly skilled engineers which adds to the overall cost.	No Change
29	57/SECTION-IV TECHNICAL SPECIFICATIONS/4.23 Managed L3 Switch	Should have redundant power supply and FAN in N+1 formation	Should have redundant PSU in 1+1 configuration and FAN tray with two or more FANs. PSU and FAN TRAY should be field swappable,N+1 FAN is specific to certain OEMs. For majority of premium OEMs the FANs come integrated in a single tray unit with multiple individual FANs inside. This is an widely adopted engineering design to minimize hardware spares and power consumption. The actual need in the network is to ensure the device does not go down even if one of the FAN in the FAN tray fails. The hotswappability ensures that even if one FAN unit fails the switch does not go down and the entire tray can be replaced without any outage.	This is the minimum mentioned Specification, the bidder is free to proposed better or higher features as a part of its proposed solution
30		additional for L3 switch	Switch should support minimum 1GB RAM and 4 GB FLASH,"The L3 gateway switch being the central point will need to run several protocols simultaneously and store synchronized configuration and status events. While one or two features can run in a low memory environment for high density deployment and critical areas minimum 1GB RAM and 4 GB flash is recommended for optimum performance. Without sufficient memory, the switch may start showing sluggish response causing packet drops or the OS may crash due to buffer depletion when several protocols are getting configured simultaneously.	The sizing as part of solution design has to be done by bidder to meet the functional outcome
31		additional for L3 switch	Should support Multitenancy for secure traffic isolation with Virtual Router/ Device context or equivalent that allows multiple instances of user created control plane to co-exist within the same switch & router at the same time without overlap, enabling sharing of virtual Router/ switch across business units as individual entity. Each Virtual Router / Device Context will be isolated entity and should not be able to talk to each other within the same box,"In a surveillance network, there would many sections of the city and multiple zone in each section which will all converge in the same CORE / L3. For any protocol crash in one section / zone or any misconfigured traffic the impact may destabilize the entire L3 gateway and thus causing an outage for the entire city wide surveillance. It is hence recommended to isolate each zone in to individual virtual containers at Layer 7 level within same switch so that OS crash or traffic anomalies of one zone does not spill over to other zones.	No Change
32		additional for L3 switch	Switch should support minimum 25K L3 Multicast group,"In a IP surveillance, each camera is a multicast source which consumes at least 2x SGV hardware entries (Source, Group, Vlan) in the L3. In a ring the multicast sources gets cascaded which demands high number of multicast group support in hardware for efficient streaming of surveillance Data. If the switch does not have enough SGV entries then the entire data gets handled by the CPU which results in packets drops, sluggish networks and high latency. In smart city environments since there could be multiple utilities running in same ring it is highly recommended to ensure scalability of multicast group support per switch. The entire network will converge in the L3 switch and hence high number of entries in the hardware is a must.	Please Refer Revised RFP Document

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
33		additional for L2 switch	Switch should support minimum 1GB RAM and 4 GB FLASH,"The L2 switch being the aggregation of the multiple camera poles will need to run several protocols simultaneously and store synchronized configuration and status events. While one or two features can run in a low memory environment for high density deployment and critical areas minimum 1GB RAM and 4 GB flash is recommended for optimum performance. Without sufficient memory, the switch may start showing sluggish response causing packet drops or the OS may crash due to buffer depletion when several protocols are getting configured simultaneously. "	Please refer Sr.No. 30
34		additional for L2 switch	Switch should support minimum 5K L2 Multicast entries,"In a IP surveillance, each camera is a multicast source which consumes at least 2x hardware entries. in the L2 aggregation In a ring the multicast sources gets cascaded which demands high number of multicast group support in hardware for efficient streaming of surveillance Data. If the switch does not have enough SGV entries then the entire data gets handled by the CPU which results in packets drops, sluggish networks and high latency. In smart city environments since there could be multiple utilities running in same ring it is highly recommended to ensure scalability of multicast group support per switch. The L2 switch being the aggregation of the multiple camera pole high number of entries in the hardware is a must."	Please Refer Revised RFP Document
35		additional common criteria	All types of switches should be from the same OEM,The city surveillance network will be vast and availability of skilled resources will be a challenge. Single OEM for all switches will ensures seamless integration and single point of support contact. It will also ensure protocol interoperability for the applications and uniform traffic behavior	No Change
36			The Network should be protected by an open standard based Network Access Control and Policy solution deployed in redundant architecture at the central location. The NAC should be able to detect, validate and provision all type of switches and IP endpoints (camera, Digital signage, printers or any other IP devices). It must be able to track user/device identity across the network and show port level connection for each individual user in an Interactive GUI based topology map. It should also ensure role based access control to each network device to prevent tampering of configuration and software. Must be able to schedule routine device configuration back-ups and control rolling out of firmware in batches. It should be possible to deploy network wide access policies, rate limits and VLANs centrally from this solution. Must be able to generate 24/7 alerting in email and SMS formats to key personnel of status updates and network events. "The city wide network will be vast and will be deployed in outdoors which may not always have physical / human surveillance 24/7. The network will carry sensitive security data which can be misused for various criminal activities or may be spoofed by adding man in the middle devices. Rogue cameras may be installed to misdirect surveillance data or the surveillance data can be copied by hacking into the fiber backbone by simple act of digging and splicing the fiber. The NAC solution will ensure 27/7 automated alerting. It will ensure to prevent human error in provisioning of security policies at each network node in a vast network. It will also ensure pin pointing of intrusion and breaches and also ensure continuous audit reports and asset tracking."	Please Refer Revised RFP Document
37	12/SECTION-II INTRODUCTION & ELIGIBILITY CRITERIA/2.3 Eligibility Criteria	"OEMs for networking devices at aggregation layer and datacentre layer should be one of the top five from the GARTNER list of top five companies for data centre networking"	"Pls amend this to should be present in latest Gartner magic Quadrant.",This would give a fair chance to all the competing OEM's	Please Refer Revised RFP Document
38	106/SECTION-VII Formats & Annexures /Annexure C Category wise Item details	6. The Managed L3 switch is 16 ports with combination of 8x10G +8x1G or 6x10G + 10x1G	Pls amend this to 24x 1G + 6x10G ports,Pls advice why this port count is required. this is not industry standard port count on a switch	Please Refer Revised Annexure C
39	106/SECTION-VII Formats & Annexures /Annexure C Category wise Item details	7. Category 3, Managed L2 switch is 6x10G + 42x 1G	Pls amend this to 48x 1G + 4x 10G,Pls advice why this port count is required. this is not industry standard port count on a switch	Please Refer Revised Annexure C
40	Additional	Additional	Is consortium allowed for bidder? If yes, please specify the number of consortium members allowed excluding the Lead bidder.	Please Refer Revised RFP Document
41	Section 2.3, Page No 11	Bidder should be an established IT /Telecom System Integrator and should have been engaged in setting-up and Operations & Maintenance Services of Network (Active or Passive) and Data Centres for a period of at least five years as on bid issuance date.	Bidder should be an established IT /Telecom System Integrator and should have been engaged in setting-up and Operations & Maintenance Services of Network (Active or Passive) and/or Data Centres for a period of at least five years as on bid issuance date.	Please Refer Revised RFP Document

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
42	Section 2.3, Page No 11	The bidder must have annual turnover of at least Rs. 500 Crores for each of the last three financial years as on 31st March, 2017. Average Annual Turnover of the bidder generated solely from supply/service for (active and passive) Networking (setting up or O&M) and Data Centre (setting up or O&M) during the last three financial years, should be at least Rs. 250 crores. In case Bidder is a wholly owned / 100 % subsidiary, the turnover of Parent company would be considered for eligibility.	The bidder must have annual turnover of at least Rs. 500 Crores for each of the last three financial years as on 31st March, 2017. Average Annual Turnover of the bidder generated solely from supply/service for (active and passive) Networking (setting up or O&M) and/or Data Centre (setting up or O&M) during the last three financial years, should be at least Rs. 250 crores. In case Bidder is a subsidiary company then the turnover/experience of the Parent company would be considered for eligibility as long as Parent Company has more than 75% stake in the subsidiary company. Similarly if the bidder is a parent company then the turnover / experience of the subsidiary company will be considered as the turnover/ experience of the parent company if the parent company has more than 75% stake in the subsidiary company.	Please Refer Revised RFP Document
43	Section 2.3, Page No 11	Bidder should have demonstrable expertise and experience of setting up or O&M of integrated control room/city wide control room/emergency response centre with One such Project having minimum 20 seating capacity Or Data Centre (minimum 400 core computing capacity)/ 2000 Plus WAN Node during last three years as on bid issuance date. Note: In-house projects for their own corporations executed by the bidder shall not be considered for above purpose. Note: In case Bidder is a wholly owned subsidiary, the experience of Parent company would be considered for eligibility	Expertise and experience in the field of Surveillance, command and control Center , ITMS projects is more relevant and need be asked instead of Network and data Center Experience only. Data Center is anyways part of Command and control center. Just asking for DC and Network Experience will be unfair for experienced bidders in this domain and also put the project on high risk. Experience of DC (minimum 400 core computing capacity)/ 2000 Plus WAN Node is not relevant for this project. Need to be removed.	Please Refer Revised RFP Document
44	3.1.1.1.h / Page No 16	E-Challan payment system including hardware will be centrally hosted. Challan generation activity will be at district/city CCC.	We assume that printers & its stationary will be provided by customer for generation of challans at district / city CC (as it is not the part of Price bid format) & all the responsibility of delivery of these challans will be responsibility of customer. Is our assumption correct?	The Printing and dispatch of the challans is out of the scope of work of the bidder
45	Section 3.1.1.1.h / Page No 16	E-Challan payment system including hardware will be centrally hosted. Challan generation activity will be at district/city CCC.	"The actual challan generation and printing shall take place at the district/ city Control room".The licenses are asked for only central CCC but since the challan generation is being asked at district/city control room as well and that requires licenses as well. Hence,we request you to kindly mention the licenses detail of e-challan, Speed ANPR and RLVD system for district/city control room as well.	Please Refer Revised RFP Document
46	Section 3.1.1.2.i / Page No 17	Identification of Face	Kindly clarify the scope of the requirement of identification of face. Facial recognition is not a part of Video Analytics suite. Neither it is a part of ANPR / RLVD solution. It is a separate solution and require separate cameras for facial recognition. Request you to kindly add the same in the price bid sheet.	Identification of face here refers to the quality of the video feed being viewed/captured such that the face visible in the video should be identifiable manually and not by any face recognition system.
47	Section 3.1.1.3.b.i / Page No 19	Speed Detection System - This system shall be taken up at multiple cities with cameras installed at identified locations on the freeways/ Junctions covering entire road.	Speed ANPR cameras (Type A) cover approx. 3.5m lane in width, Hence, We request you to mention the list of locations along with exact number of lanes where ANPR, RLVD and Speed system needs to be deployed.	Please Refer Revised RFP Document
48	Section 3.1.1.3.b.viii / Page No 19	The System should be able to detect the speed of the vehicles with an accuracy of +/- 5 Kmph, the bidder will have to get its system tested and certified by the competent certifying body for the acceptance as an evidence in the court of law.	Detection & reading accuracies are highly dependent upon various external factors such as Licence Plate condition (type, size, broken, dirty etc), environmental conditions , reflective or non-reflective nature, calibration of the camera mounted etc. In such scenario we request to allow for atleast +/- 10 Kmph variance in the accuracy. At the same time, we understand that the system tested & certified by any Global Agency shall be applicable in your requirements. Please confirm.	Please Refer Revised RFP Document
49	Section 3.1.1.3.c.ii / Page No 19	The proposed ANPR system has to be integrated with various Applications/ Databases of the e-GujCop application of the Police department, e- challan etc. for verification/checking and fetching the required vehicle information.	Request you to provide details of other application/ Database, Database format etc. alongwith the Scope of Integration.	Please Refer Revised RFP Document
50	Section 3.1.1.3.c.x / Page No 20	Mobile ANPR	Kindly clarify on the Exact Requirement and how the system will link with the central database along with Scope of Integration. We also request you to mention the quantity for Mobile ANPR System and update the Price Bid format	Please refer Sr. No. 486

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51	Section 3.1.1.7.j / Page No 22	The system should also have the provision for integration of the e-challan system with an SMS gateway for Intimating the offenders/violators at the various steps such as at the time of generation of challan, Payment due, payment made etc.	We assume that the SMS Gateway will be provided by the customer. Is our assumption correct?	Yes the understanding is correct
52	Section 3.2 / Page No 32	Delivery of the IT and Non-IT Equipment of central Infrastructure as defined in BoQ (hardware and software) at a central location/Vendors Warehouse - Within 45 calendar days from the date of Approval of the PoC	Lead time for IT Equipmet for Control Room like Servers, Firewall etc is minimum 6-8 weeks. Request you to modify the clause as under: Within 90 calendar days from the date of Approval of the PoC	Please Refer Revised RFP Document
53	Section 3.2 / Page No 32	Delivery of Edge Location Infrastructure like Cameras, Switches, Junction Boxes, UPS etc. at central location /Vendors Warehouse of respective City/Locations - 1st Lot: 25% of the Work order – within 45 calendar days 2nd Lot: 50% of the Work order -within 60 calendar days** Final Lot: Remaining 25% of the work order- within 90 calendar days** **from the date of approval of PoC	Lead time foredge level equipment like CCTV is minimum 6-8 weeks. Request you to modify the clause as under: 1st Lot: 25% of the Work order – within 90 calendar days 2nd Lot: 50% of the Work order -within 120 calendar days** Final Lot: Remaining 25% of the work order- within 150 calendar days** **from the date of approval of PoC	Please Refer Revised RFP Document
54	Section 3.2 PoC / Page No 33	The Bidder is free to choose make and model (3 different OEM's) for the PoC of the CCTV. However out of these 3 OEMs one make and model must be the same which is proposed/quoted in the Technical and price bid by the bidder.	Request you to kindly allow only quoted Make & model to be demonstrated during PoC as the bidder will have to buy remaining two brands which the bidder has not quoted and may not get the technical support for PoC	No Change
55	Section 3.2 Implementation Timelines. Proof of Concept (PoC)(6) Page No. 33	Please note that if the successful bidder fails to complete Proof of concept or perform as per the requirement of the TENDERER even after the second attempt, then his EMD will be forfeited, contract terminated, and the work will be assigned to L2 bidder, subjected to his acceptance, at cost to the successful bidder.	Request to remove this clause completely or otherwise modify this clause to "Please note that if the successful bidder fails to complete Proof of concept or perform as per the requirement of the TENDERER even after the second attempt, then his Lol will be cancelled and the contract will be awarded to the L2 Bidder, subject to L2 Bidder's acceptance, after conducting the successful PoC by L2 Bidder and matching the L1 Price.	Please Refer Revised RFP Document
56	Section 3.3 / Page No 34	Roles and Responsibilities of Tenderer	Kindly add the connectivity for operation centres of SHQ/DHQ/City & edge level devices will be in scope of tenderer	Connectivity for the locations shall not be under the scope of work of
57	Section 4.1.2.k / Page No 37	The VMS should support digital zoom on the workstation or external monitors (analog or digital). The user shall be able to perform digital zoom magnification up to 20 times, digitally zooming in up to 672% of the original size.	We understand the zoom magnification up to 20 time. But, what is the significance of digitally zooming in up to 672% of original size? Kindly clarify.	Please refer Sr. No. 2
58	Section 4.2.6 / Page No 44	The System should be able to capture license plates for vehicle moving up to the speed of 120 Km/Hours at: - 90 % accuracy for Standard English alpha-numeric fonts and HSRP for both day and night - 75% accuracy for non-standard fonts for both day and night	Detection & reading accuracies are highly dependent upon various external factors such as Licence Plate condition (type, size, broken, dirty etc), environmental conditions , reflective or non-reflective nature, calibration of the camera mounted etc. In such scenario we request to allow to capture the license plates for vehicle moving up to the speed of 120 Km/ Hour at: - 85% accuracy for Standard English alpha-numeric fonts and HSRP for day. - 75% accuracy for Standard English alpha-numeric fonts and HSRP for night. - 65% accuracy for Non Standard English alpha-numeric fonts for day. - 50% accuracy for Non Standard English alpha-numeric fonts for night. Moreover, we understand that the Instantaneous/ Spot Speed capturing is the requirements for vehicle moving up to the speed of 120 Km/ Hour. Please confirm.	No Change
59	Section 4.32 / Firewall for CCC, Page no. 61	Device should have Minimum firewall throughput of 20 Gbps	Request you to revisit the firewall's performance as all Next Generation firewall support Real world traffic/Imix traffic. As 80% of production traffic comprise of TCP & HTTP traffic. It is highly suggested that firewall performance benchmarking criteria must be production throughput not lab throughput Kindly consider the same and accordingly defined the performance of Firewall.	Please Refer Revised RFP Document
60	Section 4.31 / Firewall for District Control Centres, Category 1,2 & 3 Page no. 61	Minimum firewall throughput and port details : As per Annexure C	Request you to revisit the firewall's performance as all Next Generation firewall support Real world traffic/Imix traffic. As 80% of production traffic comprise of TCP & HTTP traffic. It is highly suggested that firewall performance benchmarking criteria must be production throughput not lab throughput Kindly consider the same and accordingly defined the performance of Firewall.	Please Refer Revised Annexure C
61	Section 4.34 Enterprise Management System, Page no. 63	IT Helpdesk – ITIL v3 Aligned	As per our understanding ITIL v3 aligned refers to a ITIL v3 compliant or certified. Kindly confirm.	No Change
62	Price Bid, Schedule-I, Page no 90	UTM with centralized Management for CCC	Technical specs for UTM are not available, however they have asked in price bid format. Kindly provide the same.	Please Refer Revised RFP Document

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
63	Price Bid, Schedule, For District Control Room's, Page no. 92	Firewall with IPS for District Control Centre- Category 1,2 & 3	Technical specs for IPS are not available, however they have asked in price bid format. Kindly provide the same.	Please Refer Revised Price Bid
64	Price Bid :SCHEDULE – I : For End Point Items / Page No 93	66. IP Camera Type A: ANPR and Speed Detection: 454 & 67. IP Camera Type A: with 8MP for RLVD :: 105	RLVD System comprises of ANPR camera and RLVD/Overview Camera and each ANPR camera covers the lane of width 3.5m approximately and RLVD/Overview camera covers the overall picture of the approach. Kindly clarify whether the mentioned qty. of Camera for ANPR & Speed Detection is part of RLVD System or these two system are different.	The mentioned quantities are for the Cameras as per the specifications and not the Analytics system. The RLVD system should have ANPR capabilities and Speed detection system should be a part
65	4.5 Video Analytics Application, Page 46	The software/ system should be capable to identify Unattended Objects, Baggage's, Persons, vehicles etc. through video analytics Techniques / Algorithms.	The software/ system should be capable to identify Unattended Objects, Baggage's, Persons, vehicles etc. through video analytics Techniques / Algorithms. <i>The technology should also have a capability to stabilize and optimize the video feeds and then create a three-dimensional reconstruction from a two dimensional video image.</i> <i>Analytics is all about accuracy. Hence, instead of just running analytics on the feeds received as it is from VMS or Camera, it is always advisable to first optimize the image quality and then run analytics on the same. Thus the feature added here would enable the video feeds to be enhanced for significantly better analytics results</i>	Please Refer Revised RFP
66	4.5 Video Analytics Application, Page 46	The System Should be capable to do the analytics on Live Video Cameras as well as Stored Video records from such cameras	The System Should be capable to do the analytics on Live Video Cameras as well as Stored Video records from such cameras. <i>The video analytics software system should be comprised of distinct analytical engine for each of the analytics features / modules being asked for, in the solution.</i> <i>Running multiple analytics on a single analytical engine results in compromised analytical performance and effectiveness of the result since the processing power gets shared. To avoid such limitation, it is better to have an efficient system with multiple analytics engine running simultaneously for distinct analytics modules for more accurate analytical results</i>	Please refer Sr. No. 65
67	4.5 Video Analytics Application, Page 46	The applications should also be able to do People search based on a given description/ attributed / Sketch / Full length photograph	The applications should be able to do <i>Live face match of more than 50 face per second as well as post incidence People search of atleast 3 million faces per second, in a face database</i> based on a given description / attributed / Sketch / Full length photograph. This feature change will ensure high speed and high accuracy live facial recognition at critical locations as well as post incidence search with significantly high performance search from a large set of videos / pictures accumulated for a given incidence. This is because Post incidence video feeds results in huge database size to be analysed to narrow down the search aspects in a relatively smaller time frame and thus faster search capability would ensure faster result	Please refer Sr. No. 65
68	4.5 Video Analytics Application, Page 46	Should have an interface to Create sketches, Composite (Human like Figure) of the suspect based on description. There Shall be different options available for describing hair color and style, Facial Attributes, shirts, trousers, patterns, etc.	Should have an interface to <i>integrate third party technologies</i> to Create sketches, Composite (Human like Figure) of the suspect based on description. There Shall be different options available for describing hair color and style, Facial Attributes, shirts, trousers, patterns, <i>ageing factors</i> , etc. All Analytics technologies may not have this feature as standard built-in and hence should have atleast provision to integrate third party solutions to provide the desired functionality	Please refer Sr. No. 65
69	4.5 Video Analytics Application, Page 46	Able to produce reliable analytics at lower resolutions like 4CIF resolution in order to save the computation	Able to produce reliable analytics at lower resolutions, <i>bad light and bad weather conditions</i> through application of environmental filters as well as <i>image stabilization and optimization on all video feeds and should use particles analytics and not just pixel movement to distinguish between animals, and moving backgrounds (shadows etc.)</i> <i>The efficiency of analytics is dependent on the picture quality / resolution etc. captured by cameras/ VMS and hence should have functionality to optimize the poor video feeds and then run analytics on them for enhanced outputs. Also the system should have the distinguishing capabilities to avoid false alarms due to animals, shadow etc.</i>	Please refer Sr. No. 65

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
70	4.5 Video Analytics Application, Page 46	New Clause	<p>The analytics software system shall also provide other video analytics functionalities / modules as follows: These analytics features are required to enhance public safety against eventualities.</p> <p>Video Enhancer: This analytics feature would ensure that in case of capture of bad videos due to bad weather conditions, camera movement etc. the quality of th video is enhanced to ensure better analytics results</p> <p>Fight Detector: Fight detector would raise alarm during any street fights or attacks etc. based on irregular movement detections</p> <p>People Counter, Queue detector, People / Mass movement :People counter is significant at locations such as halls or closed area to enable rescue operations by identifying how many persons have gone in versus how many have come out.</p> <p>Noise level detection (gunshot, explosion, shattering of glass etc.) This analytics feature would ensure that alarms are raised in situations arising out of unwanted noises that can further result in safety issues</p> <p>Vandalism and tamper detection : Vandalism and tamper detection analytics would raise alarms if the camera detects movements resulting in attack / destruction of public properties et</p>	Please refer Sr. No. 65
71	4.5 Video Analytics Application, Page 46	New Clause	<p>Video analytics shall be capable of pixelization, colorization or blur in real-time for privacy-protected video monitoring for public places and certified for highest global standards such as European Privacy Seal</p> <p>This would ensure that the Analytics application complies to global standards and adhere to evolving requirements such as protection of privacy of captured public images to avoid any misuse.</p>	Please refer Sr. No. 65
72	4.11 Video Wall Solution, Page 49 1. Configuration	Full HD IPS LED Display, Direct LED Backlight, Display suitable for use in video wall with bezel to bezel distance not more than 4mm	<p>RGB Laser single chip rear-projection technology Display suitable for use in video wall with bezel to bezel distance not more than 0.1 mm (No Gap Video Wall)</p> <p>Min. 100,000 hours of rated life for the video wall as it is expected to be operational 24X7</p> <p>Considering the Video Wall to be viewed by Ministers & very senior officials apart from the operators, the requested change will ensure state of the art solution without any impact of environmental (daylight) lighting conditions and a seamless video wall with absolutely no gaps visible by naked eyes, while projecting large videos, maps etc.</p> <p>Also from an investment protection perspective, no one would like to replace the video wall modules frequently and hence it is important that the video wall have longer life, which is around 10 Years of operations with the added specification, while the Video Wall is expected to be operational 24 x 7.</p>	No Change
73	4.11 Video Wall Solution, Page 49 4. Contrast Ratio	2000 :1 or better	<p>5000:1 or better</p> <p>Is in line with Ahmedabad Smart City Specs. Ensures better video quality</p>	No Change
74	4.11 Video Wall Solution, Page 49 5. Brightness	500 Cd/m2 or better	<p>1000 Cd/m2 or better with Uniformity of 95%</p> <p>Is in line with Ahmedabad Smart City Specs. Ensures better video quality projected uniformly across all the units forming a single video wall</p>	No Change
75	4.11 Video Wall Solution, Page 49 6. Refresh Rate	>120Hz	<p>>800 Hz</p> <p>Is in line with Ahmedabad Smart City Specs. Ensures better performance</p>	No Change
76	4.11 Video Wall Solution, Page 49 8. Viewing Angle	160 degrees	<p>H : 178°, V : 178° or better</p> <p>Is in line with Ahmedabad Smart City Specs. Ensures better viewing</p>	No Change
77	4.11 Video Wall Solution, Page 49 10. Standard Outputs	1x Digital DVI-D ; 1x CVBS BNC	<p>1x Digital DVI-D ; 1x CVBS BNC, 2 X HDMI</p> <p>Is in line with Ahmedabad Smart City Specs. Ensures latest / better throughput interface</p>	No Change
78	4.11 Video Wall Solution, Page 49 11. Control	RS-232/RS-422/IR	<p>RS-232/RS-422/IR or any industry standard</p> <p>only Certain Video Walls supports RS-232 and hence the request for change</p>	No Change
79	4.11 Video Wall Solution, Page 49 12. Consumption	Not more than 4000 Watt	<p>Not more than 2000 Watt</p> <p>Lower power consumption would save on electricity bills as well as reduce the heating up of the video wall components</p>	Please Refer Revised RFP Document

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
80	4.11 Video Wall Solution, Page 49 16. Cables & Accessories	Dual Link DVI-D cable, power cable for daisy chain, AC cable, IR Remote Controller	Dual Link DVI-D cable, power cable for daisy chain, AC cable, Remote Controller, <i>On Screen Display (OSD)</i> <i>Provides ease of management of the video wall. Further IR has distance & direction (pointing) limitation and it is better to have the control through the designated consoles which are already part of the solution</i>	No Change
81	4.11 Video Wall Solution, Page 50 17. Display Controller	HDD: Min 500 GB Hard Disk (Hard disk Capacity should be upgradable)	HDD: Min 2 x 500 GB (<i>in RAID 1</i>) Hard Disk (Hard disk Capacity should be upgradable) RAID will ensure that no data is lost that is being stored in the Hard Disks	No Change
82	4.11 Video Wall Solution, Page 50 Integration & Certification	New Clause	Video Wall Display, Video Wall Controller and Video Wall Management Software should be from the same OEM and serve as an integrated Video Wall solution and should be certified by the OEM of the Command Control Centre (CCC) and Video Management System Applications for a seamless view This feature will ensure seamless functioning and ease of operations and management since all the components from same OEM shall be tightly coupled / integrated and tested to deliver proven outputs. Also certification from the CCC & VMS OEMs shall ensure that the projections of the maps / video feeds etc. on the video wall are better controlled while toggling between various views.	No Change
83	4.34 Enterprise Management System, Page 63	New Clause	Proposed solution should provide integrated performance management view as a part of deliverable which adds critical end device, end user desktop, application, network & Server infrastructure, bandwidth data and analysis. This would ensure complete end-to-end performance management of surveillance equipment and network with ease trouble shooting in case of drop in video quality, jitters etc.	No Change
84	4.34 Enterprise Management System, Page 63	New Clause	Integrated display from dashboard view to packet capture-based root-cause analysis, "Single Click" integration from high-level monitoring to in-depth analysis, Correlated performance data from the individual components and Deep integration with other data sources including Network flow, packet, SNMP, WMI, synthetic testing, end user device. This feature would help in SLA management with single view across all the equipment and network engaged in proving the video/audio feeds	No Change
85	4.34 Enterprise Management System, Page 63	New Clause	Provide visibility everywhere: from the LAN, Wireless hot spot, across the WAN, and deep into the datacenter/ private cloud — across physical, virtual, and load balanced environments Provides deep insight in to all the components of the network and edge equipment for ease of operations and trouble shooting	No Change
86	4.34 Enterprise Management System, Page 63	New Clause	Ability to take captured network data and predict response time under new conditions including changes to: Network Bandwidth (incl. asymmetric conditions), Network latency, Network congestion, TCP configuration and packet loss Enable pro-active analysis of the network to take necessary measures in improving performance and avoiding future issues	No Change
87	4.39 Storage (For Applications) Page 67	Front End: Minimum 8 x 10Gbps FC/FCoE ports for host connectivity scalable to 16 ports	Front End: Minimum 8 x <i>16Gbps</i> FC/FCoE ports for host connectivity scalable to 16 ports The industry standard Port speed is 16Gbps abd is always in multiples of 8, and ensure better front end throughput. So why compromise by reducing the speed?	Please Refer Revised RFP Document
88	4.39 Storage (For Applications) Page 68	The controllers / Storage nodes should be upgradable without any disruptions / downtime	The controllers / Storage nodes should be upgradable without any disruptions / downtime, <i>with the help of external storage virtualization</i> <i>This additional feature would ensure that storage can not only be upgraded but future data migrations as well are non-disruptive</i>	No Change
89	4.40 Storage (for Video's) Page 68	The controllers / Storage nodes should be upgradable without any disruptions / downtime	The controllers / Storage nodes should be upgradable without any disruptions / downtime, <i>with the help of external storage virtualization</i> <i>This additional feature would ensure that storage can not only be upgraded but future data migrations as well are non-disruptive</i>	No Change
90	4.40 Storage (for Video's) Page 68	The storage should have no single point of failure on components like controllers, disks, cache memory, I/O Ports, Power supply, Fan, etc.	The storage should have no single point of failure on components like controllers, disks, cache memory, I/O Ports, Power supply, Fan, etc. <i>and certified for zero data loss</i> <i>Considering the criticality of the data availability, this feature is crucial</i>	No Change
91	4.40 Storage (for Video's) Page 69	The Storage should be based on IP address and the time stamp of the feed for video data, images received from camera.	Request the clause to be removed This is specific to NAS technology while the requirement is for technology agnostic storage. Also the required feature is already taken care of by the VMS and VA software	Please Refer Revised RFP Document

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
92	New Component 4.41 Command & Control Centre (CCC)	New Clause	<p>Request to add the below mentioned CCC clauses</p> <p>Command Control Centre (CCC) provides seamless integration to multi-vendor devices and disparate systems and Single Pane of Glass for the decision makers. CCC provides real-time communication, collaboration and constructive decision making amongst different agencies by envisaging potential threats, challenges and facilitating effective response mechanisms. The CCC provides visualization of various events in real-time on an integrated platform with the means to make better decisions, anticipate problems to resolve them proactively, and coordinate resources to operate effectively. To effectively manage large amounts of critical assets and incidents, all systems must be integrated so that they can provide meaningful information. By making use of the public safety assets, both private and public and by applying analytics and visualization, CCC is the platform standard for the Safe & Smart City. In fact the CCC can be integrated with the -</p> <ul style="list-style-type: none"> o Security initiatives: Dial 100, Disaster Management, Emergency response System Surveillance, CCTNS, FIR etc. o Smart IoT Initiatives : Smart Waste Management, Smart Lighting, Weather Sensors, Smart Transport / Transit management <p>And thus there could be a City level CCC for city specific requirement and all such CCC can converge in to a State CCC for very specific information and decisions.</p>	No Change
93	New Component 4.41 Command & Control Centre (CCC)	Situational Awareness	<p>CCC will be designed to provide complete situational awareness to ensure that incident response policies are implemented without technical restrictions. It will address the need to rapidly change and adapt these security process and policies, especially when managing disparate security systems, sensors and devices. To ensure a holistic Police management system, CCC will have:</p> <ul style="list-style-type: none"> o Seamless integration to multi-vendor devices o Seamless integration into multi-vendor systems o Hybrid with option of Cloud-based and/or On-Premise solutions o Single view of incidents and events (via dashboards and role-specific graphical user interfaces). o Pre-plan process event management (via customized alarm, GUI workflow tools and response plans). o Predictive Analytics o Video Analytics o Correlation Intelligence (display cross referenced data from disparate systems) o Information management <p>Thus, the CCC will be able to provide complete situational awareness on ground, covering a set percentage of the overall surveillance cameras, readiness Status, vehicle movements, open incidents etc.</p>	No Change
94	New Component 4.41 Command & Control Centre (CCC)	Decision making	The CCC will be designed to enable decision making, Planning, allocation of resources and after action review.	No Change
95	New Component 4.41 Command & Control Centre (CCC)	Command Control	<p>The CCC will monitor, manage and disseminate alerts (email etc.) and information from all of the disparate video and security systems. The operations center will also conduct intelligent video analytics processing and third party data mining analysis. The CCC software will provide the following capabilities in order to support the operator.</p> <ul style="list-style-type: none"> o Alarm Management – Should be able to provide the captured image, archive and live video feed from the VMS player for the alarm that is generated by the video analytics system. o Data Mining – The system will be integrated with the data mining services that connect to CCTNS, Prisons, Courts or any similar database available from the State Government. The data mining services running at the standard will provide information on: <ul style="list-style-type: none"> - Match a suspect/criminal photograph with these databases - Match a suspected Criminal face with Video Feeds of specific camera locations or with the feed received from private or other public organisation's video feeds 	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
96	New Component 4.41 Command & Control Centre (CCC)	Integration	<ul style="list-style-type: none"> o Social Media Analytics : CCC should be capable to integrate open social media platforms and carry detailed cloud based social media analytics (e.g. sentiment analysis) to enable Police Department to track and monitor certain trending incident or crime (only at the central location /HQ). o Digital Evidence Management (DEM) : CCC shall provide Digital Evidence Management for critical events and incidences with provision for long term tamper proof data preservation so as to make it admissible in the court of law. System thus should be able to package related evidence documents, video clips, audio clips and create CDs or other storage media for submission to Judiciary, which can be treated evidence for legal matters. Such evidence data should be preserved in storage systems that are tamper proof with hardware WORM and self-healing in a SAIN architecture for performance based growth requirement as well as to ensure that integrity and quality of evidence is maintained as per requirements of the judiciary. Considering the criticality of this functionality, it is important that the DEM software and hardware and the CCC shall be from the same OEM to ensure fault free functioning and data integrity, and to be provisioned as a part of the solution. o Network Video Recorder (NVR) : The NVRs used as part of the community surveillance system will capture images and videos from the community surveillance cameras and the same must be accessible from the Command and Control Center. Videos relating to such physical security alert could be tagged and stored for future use. 	No Change
97	New Component 4.41 Command & Control Centre (CCC)	Access & Analytics	<ul style="list-style-type: none"> o A standardized web browser based access to the complete CCC on smart phones and tablets / smart phones shall be available to the designated Police Personnel. CCC shall ensure that all the necessary access is given to these mobile users for complete role based access to all the relevant functionalities of the command centre with 2-way communication in a secure manner o The command and control is thus envisaged to help communicate, dispatch resources, coordinate response and carry out the complete incident management. o CCC application should be capable to generate data analytics based reports for use cases required by police department / other departments on need basis and hence should comprise a common big data integration and analytics tool capable of three key functionalities viz. data integration, visualization and advanced analytics (embedded analytics, business analytics, IoT analytics etc.). 	No Change
98	New Component 4.41 Command & Control Centre (CCC)	Device Status and Notification	<ul style="list-style-type: none"> o Should provide icon based user interface on the GIS map to report non-functional device. o Should also provide a single tabular view to list all devices along with their availability status in real time. 	No Change
99	New Component 4.41 Command & Control Centre (CCC)	Event Correlation	<p>CCC Software should be able to view two or more events coming from different subsystems based on time, place, custom attribute and provide notifications to the operators. Such notifications will be triggered by the events captured in the downstream (south bound) applications that are integrated to the command center through APIs.</p>	No Change
100	New Component 4.41 Command & Control Centre (CCC)	Integrated User Specific & Customizable Dashboard	<ul style="list-style-type: none"> o Should provide integrated dashboard with an easy to navigate user interface for managing profiles, groups, message templates, communications, tracking receipts and compliance o Multi-displays configurations o Use of, GIS tool which allows ex'asy map editing for wide area monitoring o Should provide historical reports, event data & activity log. The reports can be exported to pdf or html formats. o Should provide dashboard filtering capabilities that enable end-users to dynamically filter the data in their dashboard based upon criteria, such as region, dates etc. 	No Change
101	New Component 4.41 Command & Control Centre (CCC)	Standard Operating Procedures & Rule Engines	<ul style="list-style-type: none"> o Shall provide for authoring and invoking required number of configurable and customizable standard operating procedures through graphical, easy to use interface. o Standard Operating Procedures will be established and approved sets of actions to be considered for the best practices for responding to a situation or carrying out an operation. o SOP tool should have capability to display a notification window that contains an email template for the activity owner to complete, and then sends an email notification. o Should have ability to respond to real-time data with intelligent & automated decisions. o Should provide an environment for designing, developing, and deploying business rule applications and event applications. o The ability to deal with change in operational systems is directly related to the decisions that operators are able to make. o Should have at-least two complementary decision management strategies: business rules and event rules. o Should provide an integrated development environment to develop the Object Model (OM) which defines the elements and relationships. 	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
102	New Component 4.41 Command & Control Centre (CCC)	APIs and Interfacing	The CCC System must provide a comprehensive API (Application Program Interface) or SDK (Software Development's Kit) to allow interfacing and integration and is recommended to have a complete integration with the following: 1. ONVIF compliant CCTV System from different global manufactures; 2. Biometrics; 3. GIS Mapping; 4. Emergency Call Systems (Computer Aided Dispatch); 5. SMS Gateway- Unidirectional SMS support, for Alarm notifications.; 6. Intelligent Directory Gateway – CCC shall integrate with the supplied Intelligent Directory Server.; 7. Centralized helpdesk Gateway; 8. Video Wall Gateway; 9. ANPR Gateway; 10. RLVD Gateway 11. Third party database integration Gateway; 12. GPS Gateway; 13. Face Recognition Gateway for Live Face search; 14. Face Recognition Gateway for post incidence Face search; 15. Data Mining – Dashboard Gateway; 16. Video Analytics integration ; 17. Private & Public VMS Integration ; 18. Digital Evidence Management Integration; 19. Cloud based Social Media Analytics integration; 20. Integration with Intelligent Traffic Management Systems; 21. Automatic Identification System (AIS)	No Change
103	56/4.21 Internet Router	Router should have IPV4 and IPV6, IGMP V1/V2/V3, MLD, PIM(V1,V2), GPE and 6VPE mode for IPV6 transport over IPV4, IPV4 Multicast, VPN V4 multicast ECMP, LDP, BGP Prefix independent control (EDGE and Core) for IPV4 and IPV6, BGP,MBGP, IS-IS, OSPF v2 and v3,NAT, MPLS (L2 & L3), RSVP, VRRP, Loop free alternate FRR and traffic engineering	Request to remove NAT as this functionality will be done on Dedicated firewall as per design	Please Refer Revised RFP Document
104	56/4.21 Internet Router New clause	Router shall support sync any configurations from previous modules to new modules with hot-swap event occurred	This functionality will ensure that during the SUP/controller card failover from one to the other, network traffic is not impacted & the standby SUP/controller card can get the exact config downloaded to it from the active SUP/controller card even in hot-swap mode.	Please Refer Revised RFP Document
105	56/4.21 Internet Router New clause	Fan tray should be hot-swappable, and should be a Field Replaceable Unit (FRU). The node can run indefinitely with a single fan failure. Shall Support hot-swappable for all modules. And secure normal operations when hot-swap event occurred	FRU is a must for such higher end devices as this will ensure that power supply & fan trays are hot swappable & does not bring down the entire chassis.	Please Refer Revised RFP Document
106	56/4.21 Internet Router New clause	Router should support RFC 3107 of Carrying Label Information in BGP-4	When you enable RFC 3107 on both BGP routers, the routers advertise to each other that they can then send MPLS labels with the routes. If the routers successfully negotiate their ability to send MPLS labels, the routers add MPLS labels to all outgoing BGP updates.	Please Refer Revised RFP Document
107	56/4.21 Internet Router New clause	Shall support Ingress classification, marking and policing on physical interfaces and logical interfaces using source/destination IP subnet, protocol types (IP/TCP/UDP), source/destination ports, IP Precedence, MPLS EXP, DSCP,802.1p	These features will ensure that QoS mechanism is in place from day one & no other hardware/software is required to enable QoS on MPLS network.	Please Refer Revised RFP Document
108	56/4.22 Router Existing clause	Router should support all standard routing protocols like BGP, MBGP, OSPF v2/v3, IS-IS, RIP/RIPv2, static routes, MPLS (L2 & L3), PIM(v1, v2), IGMP(v1, v2, v3), , Ipv6 tunneling, NAT, NTP, etc.	As this is WAN Router and does not require NAT functionality	No Change
109	56/4.22 Router New clause	Router should be CE2.0 & MEF14.0 certified.	Carrier Ethernet 2.0 (CE 2.0) is a ubiquitous, standardized, carrier-class Service and Network defined by five attributes that distinguish it from familiar LAN-based Ethernet. Carrier Ethernet 2.0 networks and services enable multiple classes of service (Multi-CoS) and manageability over interconnected provider networks. The MEF is a combination of a technical and a marketing forum to promote the adoption of Metro Ethernet. This contrasts with standard bodies such as the Internet Engineering Task Force and the Institute of Electrical and Electronics Engineers (IEEE). The forum makes recommendations to existing standards bodies and creates specifications that are not being developed by (or fall within the scope of) other standards bodies. "MEF 14 Abstract Test Suite for Traffic Management Phase 1". Both CE2.0 & MEF 14.0 standard ensure that the OEM supplied products are meant to be a true carrier class in nature that can handle traffic with MPLS enabled on it & can provide a seamless connectivity experience.	No Change
110	56/4.22 Router New clause	Router shall support sync any configurations from previous modules to new modules with hot-swap event occurred	This functionality will ensure that during the SUP/controller card failover from one to the other, network traffic is not impacted & the standby SUP/controller card can get the exact config downloaded to it from the active SUP/controller card even in hot-swap mode.	No Change
111	56/4.22 Router New clause	Fan tray should be hot-swappable, and should be a Field Replaceable Unit (FRU). The node can run indefinitely with a single fan failure. Shall Support hot-swappable for all modules. And secure normal operations when hot-swap event occurred	FRU is a must for such higher end devices as this will ensure that power supply & fan trays are hot swappable & does not bring down the entire chassis.	No Change
112	56/4.22 Router New clause	Router should support RFC 3107 of Carrying Label Information in BGP-4	When you enable RFC 3107 on both BGP routers, the routers advertise to each other that they can then send MPLS labels with the routes. If the routers successfully negotiate their ability to send MPLS labels, the routers add MPLS labels to all outgoing BGP updates.	Please refer Sr. No. 106
113	56/4.22 Router New clause	Shall support Ingress classification, marking and policing on physical interfaces and logical interfaces using source/destination IP subnet, protocol types (IP/TCP/UDP), source/destination ports, IP Precedence, MPLS EXP, DSCP,802.1p	These features will ensure that QoS mechanism is in place from day one & no other hardware/software is required to enable QoS on MPLS network.	Please refer Sr. No. 107

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
114	57/4.23 Managed L3 Switch New Clause	Switch hardware must be capable to support 802.1AE / MACsec wire-rate Layer 2 encryption.	802.1AE IEEE industry-standard security technology that provides secure communication for all traffic on Ethernet links ensure that traffic is not tampered or sniffed inbetween	No change
115	57/4.23 Managed L3 Switch Existing clause	Should have features like port-security, auto-negotiate, flow control, MAC filtering, IP ACL, IPv6 RA guard	These features will ensure that switch software security is in place for both IPv4 & IPv6 packets.	No Change
116	58/4.24 Managed L2 Switch New Clause	Switch hardware must be capable to support 802.1AE / MACsec wire-rate Layer 2 encryption.	802.1AE IEEE industry-standard security technology that provides secure communication for all traffic on Ethernet links ensure that traffic is not tampered or sniffed inbetween	No change
117	58/4.24 Managed L2 Switch Existing clause	Should have features like port-security, auto-negotiate, flow control, MAC filtering, IP ACL, IPv6 RA guard	These features will ensure that switch software security is in place for both IPv4 & IPv6 packets.	No Change
118	59/4.25 Managed Outdoor L2 Switch. PoE with Fibre Port- Existing Clause	Temperature: Ambient temperature range of 0 ° C to 55 ° C. The bidder has to take into consideration of the internal temperature adjustment of the junction box	As this will be placed inside rack, due to solar loading temperature inside outdoor rack can easily reach 65 Degree. Request to change to 0 to 65 ° C to ensure right devices are positioned for high uptime	No Change
119	59/4.25 Managed Outdoor L2 Switch. PoE with Fibre Port- Existing Clause	Web/SSL, Telnet server/SSH, ping, traceroute. Simple Network Time Protocol (SNTP), Trivial File Transfer Protocol (TFTP), SNMP, RADIUS, syslog, DNS client, protocol-based VLANs	Request to allow SNTP / NTP, As each OEM either follows SNTP of full featured NTP	Please Refer Revised RFP Document
120	58/4.25 Managed Outdoor L2 Switch. PoE with Fibre Port- New Clause	Switch should support static ARP, Proxy ARP, UDP forwarding and IP source guard, DHCP Snooping, DHCP Option 82, Dynamic ARP Inspection (DAI), PTP, Profinet, IP Source Guard, Network Address Translation, BPDU Guard, Port-Security, DHCP Snooping, 802.1x, 802.1AE, MAC Authentication Bypass, 802.1x Multi-Domain Authentication, Storm Control	As this switch is going to be installed on the field, providing security to the switch IOS/image is a key feature so that nobody can tamper with the switch ports or with software on the field.	No Change
121	58/4.25 Managed Outdoor L2 Switch. PoE with Fibre Port- New Clause	Switch should be IP30 & NEMA TS-2 certified	IP30 & NEMA TS-2 are a basic certification need for an outdoor switch specifically for CCTV surveillance deployment. NEMA TS-2 will ensure that switch is certified to be deployed on a traffic signal & can withstand to constant vibration etc.	No Change
122	58/4.25 Managed Outdoor L2 Switch. PoE with Fibre Port- New Clause	The switch should support backup storage drives, which will store the last known configuration of the switch, in case of hardware failure and replacement, reinserting the storage drive should restore the switch to original working condition without any manual intervention.	As these switches will be deployed in the field, reconfiguration of these switches will be the most difficult job in case of any breakdown. This proposed feature will ensure that in a memory chip the entire config can be backed up & restored within few mins rather than taking too much of time.	No Change
123	58/4.25 Managed Outdoor L2 Switch. PoE with Fibre Port- New Clause	Switch should be EN55024, EN 61000-4-2 Electro Static Discharge, EN 61000-4-5 Surge, EN 61000-4-8 Power Frequency Magnetic Field, EN 61000-4-11 AC Power Voltage	These are all standard ESD, Surge certification standards that are required for any outdoor switch so that it can work without sudden surge or ESD scenarios on the field.	No Change
124	59/4.26 Managed Outdoor L2 Switch with PoE - 8-port Existing Clause	Temperature: Ambient temperature range of 0 ° C to 55 ° C. The bidder has to take into consideration of the internal temperature adjustment of the junction box	As this will be placed inside rack, due to solar loading temperature inside outdoor rack can easily reach 65 Degree. Request to change to 0 to 65 ° C to ensure right devices are positioned for high uptime	Please Refer Revised RFP Document
125	59/4.26 Managed Outdoor L2 Switch with PoE - 8-port Existing Clause	Web/SSL, Telnet server/SSH, ping, traceroute. Simple Network Time Protocol (SNTP), Trivial File Transfer Protocol (TFTP), SNMP, RADIUS, syslog, DNS client, protocol-based VLANs	Request to allow SNTP / NTP, As each OEM either follows SNTP of full featured NTP	Please refer Sr.No. 119
126	59/4.25 Managed Outdoor L2 Switch. PoE with Fibre Port- New Clause	Switch should support static ARP, Proxy ARP, UDP forwarding and IP source guard, DHCP Snooping, DHCP Option 82, Dynamic ARP Inspection (DAI), PTP, Profinet, IP Source Guard, Network Address Translation, BPDU Guard, Port-Security, DHCP Snooping, 802.1x, 802.1AE, MAC Authentication Bypass, 802.1x Multi-Domain Authentication, Storm Control	As this switch is going to be installed on the field, providing security to the switch IOS/image is a key feature so that nobody can tamper with the switch ports or with software on the field.	No Change
127	59/4.25 Managed Outdoor L2 Switch. PoE with Fibre Port- New Clause	Switch should be IP30 & NEMA TS-2 certified	IP30 & NEMA TS-2 are a basic certification need for an outdoor switch specifically for CCTV surveillance deployment. NEMA TS-2 will ensure that switch is certified to be deployed on a traffic signal & can withstand to constant vibration etc.	No Change
128	59/4.25 Managed Outdoor L2 Switch. PoE with Fibre Port- New Clause	The switch should support backup storage drives, which will store the last known configuration of the switch, in case of hardware failure and replacement, reinserting the storage drive should restore the switch to original working condition without any manual intervention.	As these switches will be deployed in the field, reconfiguration of these switches will be the most difficult job in case of any breakdown. This proposed feature will ensure that in a memory chip the entire config can be backed up & restored within few mins rather than taking too much of time.	Please refer Sr. No. 122

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
129	59/4.25 Managed Outdoor L2 Switch. PoE with Fibre Port-New Clause	Switch should be EN55024, EN 61000-4-2 Electro Static Discharge, EN 61000-4-5 Surge, EN 61000-4-8 Power Frequency Magnetic Field, EN 61000-4-11 AC Power Voltage	These are all standard ESD, Surge certification standards that are required for any outdoor switch so that it can work without sudden surge or ESD scenarios on the field.	No Change
130	60/4.27 Server	2 X 10Gbps ports for providing Ethernet connectivity 2 X Dual-port 10Gbps FC/FCoE/HBA for providing FC connectivity	FCoE or converged technology provides both the Ethernet & Fiber connectivity hence we understand that customer requires 2 x Dual port 10Gbps FCoE / converged adapters each server. Is our understanding correct ?	As per RFP
131	61/4.31 Firewall for District Control Centres	Proposed device should also perform activities like Intrusion prevention, IP Reputation, Antivirus & Anti-BOT control from day one with required perpetual Licenses and 24*7 support for 5 years	Please change the clause to " Proposed device should also perform activities like Intrusion prevention, IP Reputation, Antivirus/Anti-Maware & Anti-BOT control from day one with required perpetual/subscription Licenses and 24*7 support for 5 years" Antivirus is deprecating technology and in order to protect advance threats, we request bidder to allow either Antivirus or Anti-Malware technology which is asked in "Firewall for CCC" Since NGFW is asked with 5 year support, we request to include the license for required period only. None of the OEM provide perpetual license in industry	Please Refer Revised RFP
132	61/4.31 Firewall for District Control Centres	Device should support IPv4 & IPv6 dual stack functionality	Please change the clause to "Device should support IPv4 & IPv6 dual stack functionality simultaneously in access policy"	No Change
133	61/4.31 Firewall for District Control Centres	Firewall should support user authentication via captive portal & should be integrate with LDAP, RADIUS, AD for SSO	Please change it to "Firewall should support user authentication via captive portal & should be integrate with LDAP, RADIUS/Oracle Directory/OPenLDAP, AD for SSO There are various mechanism used most prominent are LDAP, AD and hence requested change	No Change
134	61/4.31 Firewall for District Control Centres	The device should be manageable using standard protocols HTTP, HTTPS, SSL, telnet, SSH, SNMP etc.	Please change it to "The device should be manageable using standard protocols HTTPS, SSL, SSH, SNMP etc." Requesting to delete HTTP and Telnet, as they are not secure way of communication	No Change
135	61/4.31 Firewall for District Control Centres	Minimum firewall throughput and port details : As per Annexure C	Please mention performance as real world NGFW (7 Gbps or 12 Gbps or 15 Gbps or 20 Gbps) considering FW, AVC and IPS. To ensure that device deliver the expected capabilities ie FW, AVC and IPS simultaneously with above mention throughput, it is necessary to mention the performance considering NGFW	Please Refer Revised RFP Document
136	61/4.31 Firewall for District Control Centres	New Clause	To ensure that solution should be able to block the traffic on the basis of source or destination country, we request to add the below clause: NGFW should allow the creation of access policy to allow or deny traffic on the basis of source or destination geo-location.	No Change
137	61/4.32 Firewall for CCC	Device must have support for IPsec, VPN & SSL VPN with 500 user support from day 1 in any kind of mode (office/routed/tunnel/web, etc.) & must have capacity to expand up to 1000 users in same unit	Please change this clause to "Solution (Internal/External) must have support for IPsec, VPN & SSL VPN with 500 user support from day 1 in any kind of mode (office/routed/tunnel/web, etc.) & must have capacity to expand up to 1000 users" CCC NGFW is core FW and it is suggested to have VPN functionality to be done on separate device	No Change
138	61/4.32 Firewall for CCC	Device should support IPv4 & IPv6 dual stack functionality	Please change the clause to "Device should support IPv4 & IPv6 dual stack functionality simultaneously in access policy"	No Change
139	61/4.32 Firewall for CCC	Device should have Minimum firewall throughput of 20 Gbps	Please change it to "Device should have Minimum real world NGFW throughput of 20 Gbps, considering FW, AVC and IPS. To ensure bidder does not quote raw Firewall throughput, which is considered to 1st generation. To ensure that device deliver the expected capabilities, it is necessary to mention the performance considering NGFW	Please Refer Revised RFP Document
140	62/4.32 Firewall for CCC	Firewall should support user authentication via captive portal & should be integrate with LDAP, RADIUS, AD for SSO	Please change it to "Firewall should support user authentication via captive portal & should be integrate with LDAP, RADIUS/Oracle Directory/OPenLDAP, AD for SSO There are various mechanism used most prominent are LDAP, AD and hence requested change	No Change
141	62/4.32 Firewall for CCC	The device should be manageable using standard protocols HTTP, HTTPS, SSL, telnet, SSH, SNMP etc.	Please change it to "The device should be manageable using standard protocols HTTPS, SSL, SSH, SNMP etc." Requesting to delete HTTP and Telnet, as they are not secure way of communication	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
142	62/4.32 Firewall for CCC	It Should be supplied with additional Hard disk of suitable storage capacity for storing the daily Logs	Please change this clause to "Solution Should be supplied with additional Hard disk of suitable storage capacity for storing the daily Logs" Most of management solution are appliance based which support fixed amount of factory fitted HDD. As these mgmt appliance support forwarding logs to syslog or event manager, we request to change it to solution, so that bidder can consider required amount of external storage for storing logs	Please Refer Revised RFP Document
143	4.32 Firewall for CCC	New Clause	To ensure that solution should be able to block the traffic on the basis of sourc or destination country, we request to add the below clause: NGFW should allow the creation of access policy to allow or deny traffic on the basis of source or destination geo-location.	No Change
144	106	Minimum firewall throughput and port details : As per Annexure C	Please mention performance as real world NGFW (7 Gbps or 12 Gbps or 15 Gbps or 20 Gbps) considering FW, AVC and IPS. To ensure that device deliver the expected capabilities ie FW, AVC and IPS simultaneously with above mention throughput, it is necessary to mention the performance considering NGFW	Please Refer Revised Annexure C
145	103/compliance statement, point no. 4	SI should ensure that only one make and model is proposed for one component (for each line item) in Technical Bid	We request as per the clause, if bidder quote multiple make and model than its bid should stand rejected	Please Refer Revised RFP Document
146	General Obligation under the System Integration OEM Support - Point no.3.1.1.1 (I) page no. 16	The bidder should submit authorization certificate of Original Equipment Manufacturer (OEM) (or multiple OEMs) specific to the bid.	" we understand that as per the clause Bidders are allowed to submit the MAF of multiple OEM and also allowed to quote the price of multiple OEM" Kindly clarify	Bidders are required to submit OEM authorization specific to this bid for various product/solution asked in the bid. However, bidder are only allowed to quote one Make and Model for each item to be quoted under the project
147	Page 67 of 106/4.39 Storage (For Applications)	Front End: Minimum 8 x 10Gbps FC/FCoE ports for host connectivity scalable to 16 ports	Request you to Modify the Existing Clause to read as follows : " Front End : Minimum 8 x 10Gbps FC/FCoE ports for host connectivity . The Storage Solution should allow ports to be scalable to 16 ports This shall not only enable Govt of Gujarat to optimise the upfront investment but also provide option to Govt of Gujarat to Scale/Upgrade leveraging the latest technology available at the time of Scale/Upgrade .The same shall provide protection against technology Obsolescence	Please Refer Revised RFP Document
148	Page 67 of 106/4.39 Storage (For Applications)	Storage should support all industry standard RAID type	Request you to Modify the Existing Clause to read as follows : Storage should be configured with dual party protection (RAID 6 or equivalent) This amendment shall ensure that all vendors propose there solution with same level of protection thus bringing all solutions at par.	Please Refer Revised RFP Document
149	Page 68 of 106/4.40 Storage (For Video)	Storage should support all industry standard RAID type	Request you to Modify the Existing Clause to read as follows : Storage should be configured with dual party protection (RAID 6 or equivalent) This amendment shall ensure that all vendors propose there solution with same level of protection thus bringing all solutions at par.	Please Refer Revised RFP Document
150	Page 69 of 106/4.40 Storage (for Video's)	The Storage should be based on IP address and the time stamp of the feed for video data, images received from camera.	This clause is not Applicable & hence request you to delete this clause	Please Refer Revised RFP Document
151	Page 69 of 106/4.40 Storage (for Video's)	The solution should allow to transfer and store the data, on need basis, to any other storage irrespective of Make/Model across LAN/WAN within the state.	This clause is not Applicable & hence request you to delete this clause	Clarifications: Proposed Storage should allow this functionality. However, required software/hardware for the same is
152	54/Camera Type C-4.17	Focal Length 5.2 to 104mm	This Lens is not standard lens which is available with most of OEM so request you to accept 20X Optical and 16X Digital instead of specifying the value	No Change
153	4.15 Camera Type A (Box Cameras for ANPR, RLVD, Speed Detection)	8. Multi Focal Lens : ≤6 mm to ≤50 mm Lens or better, For RLVD Camera "Lower End of Focal length less than 4.1 mm (3, 3.5 etc. allowed), Higher End of Focal Length more than 9 mm (10, 11, 20 etc. Allowed)	Change Requested: ≤6 mm to ≤50 mm Lens or better, For RLVD Camera "Lower End of Focal length less than 4.6 mm (3, 3.5 etc. allowed), Higher End of Focal Length more than 9 mm (10, 11, 20 etc. Allowed) Panasonic has better camera to tender specs (integrated bullet 12 MP camera that has 4.5-25mm True 4K motorised lens), a small relaxation of 0.4mm will help us to quote for the same.	Please Refer Revised RFP
154	4.16 Camera Type B (Box Camera for Surveillance)	7. Codec : H.264/H.265, MIPEG or better	Change : H.265, H.264 and MIPEG to save storage and bandwidth.	Please Refer Revised RFP

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
155	4.16 Camera Type B (Box Camera for Surveillance)	13. WDR : True WDR 100 dB or better	Change : True WDR 140 dB or better to get best quality in	No Change
156	4.17 Camera Type C: PTZ	16. Compression : H.264/H.265/ MJPEG or better	Change : H.265, H.264 and MJPEG	Please Refer Revised RFP
157	4.17 Camera Type C: PTZ	24.Region of Interest Required	Change Requested : Please remove as this is ambiguous feature.	No Change
158	4.17 Camera Type C: PTZ	35. IP Rating : Vandal Proof IK10 or above rated, NEMA 4X /IP66 rated Housing	Change : NEMA 4X /IP66 rated Housing (remove IK10)	No Change
159	67/100/4.39 Storage(For Application)	Storage solution should comprise of Active-Active Load Balancing Storage Controllers with 64GB Cache from day one and the storage solution should be scalable up to 128GB Cache without replacing existing Controllers	Since the capacity asked in max of 10 TB the cache memory asked is way too high and this will necessarily force to quote High model and escalate the overall Cost of the Project. Hence request GIL to revise it to 32GB cache memory which will be a balanced architecture for a capacity upto 50TB or more.	Please Refer Revised RFP Document
160	67/100/4.39 Storage(For Application)	Front End: Minimum 8 x 10Gbps FC/FCoE ports for host connectivity scalable to 16 ports	There seems to be a typo error,we request GIL to the Port speed to 16Gbps FC and 10/8/16Gbps Gbps CNA(Converge Network Adaptor) supporting both SFP+ and IP connectivity. FCoE is and old and outdated technology with NO Development happening , It also requiries Dedicated FCoE Switch for connectivity which will add to the cost and Management of the infrastrucure .	Please Refer Revised RFP Document
161	67/100/4.39 Storage(For Application)	The proposed Storage should have 6 Gbps Drives (it should support SSD, SAS & NL-SAS types) or higher.	We request GIL to modify the minimum speed to 12Gbps of backend connectivity as this is the latest and will help GIL to have latest products as part of solution. With Longer support Life and best TCO/ROI for the project.	No Change
162	68/106/4.40 Storage for Video	Storage Type & Consolidated storage for Application and Video data.	There no type of connectivity mentioned in the Video Storage as VMS works of NAS as well as SAN. Hence we request GIL to specify the Unified Storage . This will help us to propsoe right model for the requiriment. This will help bidders to consolidate capacity for application storage and Video storage for Category 1,2,3 as stated in RFP.	No Change
163	67/106/4.39 Storage for Applications and Video)	RAID Type Specification for capacity asked	While capcity as disk types are being specified but which RAID to be used for configruation is missing and the RAID type requiriment for Applications and Video is different, Hence we request GIL to specify the same for Application(RAID 5) and Video Storage (RAID 6)	Please Refer Revised RFP Document
164	57/106/4.23 Managed L3 Switch	As per Annexure "C" page no 106, the Switching capacity mentioned for Managed Layer-3 switch is 25 Gbps	Request to consider minimum 1 Tbps as the switching capacity.	Please Refer Revised Annexure C
165	57/106/4.23 Managed L3 Switch	As per Annexure "C" page no 106, the Port density mentioned for Managed Layer-3 switch, 16Ports	Request to consider Port density of 48 x SFP+ and 6 x 40G QSFP+ from Day one populated as per the Ask.	Please Refer Revised Annexure C
166	57/106/4.23 Managed L3 Switch	As per Annexure "C" page no 106, the Port Required mentioned for Managed Layer-3 switch, 8 x 10G and 8 x 1G	Need to understand the Port Type, Copper RJ45 or Fiber Single mode/Multimode required.	Please Refer Revised Annexure C

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
167	57/106/4.23 Managed L3 Switch	Should support minimum 8000 MAC address entries	Request to consider minimum 128K considering this as Layer-3 switch, with the next generation hardware.	This is the minimum mentioned Specification, the bidder is free to proposed better or higher features as a part of its proposed solution
168	57/106/4.23 Managed L3 Switch	Should support dynamic routing protocols like static route, OSPF, RIP, BGP, Multicast, PIM(v1, v2), IGMP(v1, v2, v3) from day one for both IPv4 and IPv6.	Request to factor for the Licenses from Day one for the features supports asked for	Please Refer Revised RFP Document
169	57/106/4.23 Managed L3 Switch	Should have a dedicated OOB Management port using CLI(SSH), WebUI(SSL), SNMP (V1, V2, V3), TFTP, etc.	Request to Remove WebUI(SSL) for security compliance prespective, most of the Datacenter and Layer-3 switches don't support Web based access as this can be a security threat to the setup.	No Change
170	57/106/4.23 Managed L3 Switch	Should have a dedicated OOB Management port using CLI(SSH), WebUI(SSL), SNMP (V1, V2, V3), TFTP, etc.	Is 1Gbps Dedicated Ethernet port required for OOB	As per RFP
171	57/106/4.23 Managed L3 Switch	Should be NDPP or EAL3 certified at the time of Bidding	Request to make it NDPP/EAL3/PCI or equivalent Compliance, Also accept the OEM who have the products in process of getting the same approved, as such approval take around an year to be approved. Such OEM already have the Operating system certified for the EAL Certifications. this will allow more Serious Global OEM to participate	No Change
172	57/106/4.23 Managed L3 Switch	Should have redundant power supply and FAN in N+1 formation	Request to mention Internal Dual Hotswappable PSU. This will offer easy servicing and high availability of the setup.	Please Refer Revised RFP Document
173	57/106/4.23 Managed L3 Switch	Should have redundant power supply and FAN in N+1 formation	Request for Front to Back Aircooling mechanism for effective cooling	No Change
174	58/106/4.23 Managed L3 Switch	Additional Points	The switch should support Front to back Aircooling	No Change
175	58/106/4.23 Managed L3 Switch	Additional Points	The switch should support SDN / Equivalent features using Openflow	No Change
176	58/106/4.23 Managed L3 Switch	Additional Points	The switch should support 6 x 40G uplink ports	Please Refer Revised Annexure C
177	58/106/4.23 Managed L3 Switch	Additional Points	The switch should support 10G Copper RJ45 Ports as an when required	Please Refer Revised Annexure C
178	58/106/4.23 Managed L3 Switch	Additional Points	All licenses to support Layer-3, port interface bandwidth for 10G and 40G to be provisioned from day one	Please Refer Revised RFP Document
179	58/106/4.23 Managed L3 Switch	Additional Points	The switch should have option to support internal hot swap PSU for primary as well redundant PSU	No Change
180	58/106/4.23 Managed L3 Switch	Additional Points	The switch should support minimum 80Gbps of stacking	No Change
181	58/106/4.23 Managed L3 Switch	Additional Points	The switch should support 4K VLAN ID and minimum 4K VLAN 802.1Q Tags	No Change
182	58/106/4.23 Managed L3 Switch	Additional Points	Need inputs on the Uplink Optics, Type, and Bandwidth and Qty per switch	Please Refer Revised Annexure C
183	58/106/4.24 Managed L2 Switch - Command Center	As per Annexure "C" page no 106, the Switching capacity mentioned for Managed Layer-2 switch is 25 Gbps	Request to consider minimum 128 Gbps as the switching capacity.	This is the minimum mentioned Specification, the bidder is free to proposed better or higher features
184	58/106/4.24 Managed L2 Switch - Command Center	As per Annexure "C" page no 106, the Port density mentioned for Managed Layer-2 switch, 16Ports	Request to consider Port density of 24 x SFP+ and 6 x 40G QSFP+ from Day one populated as per the Ask.	Please Refer Revised Annexure C
185	58/106/4.24 Managed L2 Switch - Command Center	As per Annexure "C" page no 106, the Port Required mentioned for Managed Layer-2 switch, 8 x 10G and 8 x 1G	Need to understand the Port Type, Copper RJ45 or Fiber Single mode/Multimode required.	Please Refer Revised Annexure C
186	58/106/4.24 Managed L2 Switch - Command Center	Should support minimum 8000 MAC address entries	Request to consider minimum 16K considering this as Layer-2 switch, with the next generation hardware.	This is the minimum mentioned Specification, the bidder is free to proposed better or higher features
187	58/106/4.24 Managed L2 Switch - Command Center	Should have a dedicated OOB Management port using CLI(SSH), WebUI(SSL), SNMP (V1, V2, V3), TFTP, etc.	Is 1Gbps Dedicated Ethernet port required for OOB	As per RFP
188	58/106/4.24 Managed L2 Switch - Command Center	Should have a dedicated OOB Management port using CLI(SSH), WebUI(SSL), SNMP (V1, V2, V3), TFTP, etc.	Request to consider Virtual/Dedicated OOB Management ports, as most Layer-2 class switches support Virtual OOB Management.	No Change
189	58/106/4.24 Managed L2 Switch - Command Center	Should be NDPP or EAL3 certified at the time of Bidding	Request to make it NDPP/EAL3/PCI or equivalent Compliance, Also accept the OEM who have the products in process of getting the same approved, as such approval take around an year to be approved. Such OEM already have the Operating system certified for the	No Change
190	58/106/4.24 Managed L2 Switch - Command Center	Additional Points	The switch should support Front to back Aircooling	No Change
191	58/106/4.24 Managed L2 Switch - Command Center	Additional Points	The switch should support SDN / Equivalent features using Openflow	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
192	58/106/4.24 Managed L2 Switch - Command Center	Additional Points	The switch should support 2 x 40G uplink ports	No Change
193	58/106/4.24 Managed L2 Switch - Command Center	Additional Points	The switch should support 10G Copper RJ45 Ports as an when required	No Change
194	58/106/4.24 Managed L2 Switch - Command Center	Additional Points	All licenses to support Layer-3, port interface bandwidth for 10G and 40G to be provisioned from day one	No Change
195	58/106/4.24 Managed L2 Switch - Command Center	Additional Points	The switch should have option to support internal hot swap PSU for primary as well redundant PSU	No Change
196	58/106/4.24 Managed L2 Switch - Command Center	Additional Points	The switch should support minimum 80Gbps of stacking	No Change
197	58/106/4.24 Managed L2 Switch - Command Center	Additional Points	The switch should support 4K VLAN ID and minimum 4K VLAN 802.1Q Tags	No Change
198	58/106/4.24 Managed L2 Switch - Command Center	Additional Points	Energy-Efficient Ethernet	No Change
199	58/106/4.24 Managed L2 Switch - Command Center	Additional Points	Need inputs on the Uplink Optics, Type, and Bandwidth and Qty per switch	Please Refer Revised Annexure C
200	58/106/ 4.24 Managed L2 Switch - District Category 1 and 2 and 3 (48 port switch)	As per Annexure "C" page no 106, the Switching capacity mentioned for Managed Layer-2 switch is 25 Gbps	Request to consider minimum 260 Gbps as the switching capacity.	This is the minimum mentioned Specification, the bidder is free to proposed better or higher features as a part of its proposed solution
201	58/106/ 4.24 Managed L2 Switch - District Category 1 and 2 and 3 (48 port switch)	As per Annexure "C" page no 106, the Port density mentioned for Managed Layer-2 switch, 48 Ports	Request to consider Port density of 48 x 10/100/1000baseT and 4 x 10G SFP+ from Day one populated as per the Ask. This is the standard template supported by most OEM	Please Refer Revised Annexure C
202	58/106/ 4.24 Managed L2 Switch - District Category 1 and 2 and 3 (48 port switch)	As per Annexure "C" page no 106, the Port Required mentioned for Managed Layer-2 switch, 4 x 10G	Need to understand the Port Type, Copper RJ45 or Fiber Single mode/Multimode required.	Please Refer Revised Annexure C
203	58/106/ 4.24 Managed L2 Switch - District Category 1 and 2 and 3 (48 port switch)	Should support minimum 8000 MAC address entries	Request to consider minimum 16K considering this as Layer-2 switch, with the next generation hardware.	This is the minimum mentioned Specification, the bidder is free to proposed better or higher features as a part of its proposed solution
204	58/106/ 4.24 Managed L2 Switch - District Category 1 and 2 and 3 (48 port switch)	Should have a dedicated OOB Management port using CLI(SSH), WebUI(SSL), SNMP (V1, V2, V3), TFTP, etc.	Is 1Gbps Dedicated Ethernet port required for OOB	As per RFP
205	58/106/ 4.24 Managed L2 Switch - District Category 1 and 2 and 3 (48 port switch)	Should have a dedicated OOB Management port using CLI(SSH), WebUI(SSL), SNMP (V1, V2, V3), TFTP, etc.	Request to consider Virtual/Dedicated OOB Management ports, as most Layer-2 class switches support Virtual OOB Management.	No Change
206	58/106/ 4.24 Managed L2 Switch - District Category 1 and 2 and 3 (48 port switch)	Should be NDPP or EAL3 certified at the time of Bidding	Request to make it NDPP/EAL3/PCI or equivalent Compliance, Also accept the OEM who have the products in process of getting the same approved, as such approval take around an year to be approved. Such OEM already have the Operating system certified for the	No Change
207	58/106/ 4.24 Managed L2 Switch - District Category 1 and 2 and 3 (48 port switch)	Additional Points	The switch should support Front to back Aircooling	No Change
208	58/106/ 4.24 Managed L2 Switch - District Category 1 and 2 and 3 (48 port switch)	Additional Points	The switch should support SDN / Equivalent features using Openflow	No Change
209	58/106/ 4.24 Managed L2 Switch - District Category 1 and 2 and 3 (48 port switch)	Additional Points	The switch should support 10G Copper RJ45 Ports as an when required	No Change
210	58/106/ 4.24 Managed L2 Switch - District Category 1 and 2 and 3 (48 port switch)	Additional Points	All licenses to support Layer-3, port interface bandwidth for 10G and 40G to be provisioned from day one	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
211	58/106/ 4.24 Managed L2 Switch - District Category 1 and 2 and 3 (48 port switch)	Additional Points	The switch should have option to support internal hot swap PSU for primary as well redundant PSU	No Change
212	58/106/ 4.24 Managed L2 Switch - District Category 1 and 2 and 3 (48 port switch)	Additional Points	The switch should support minimum 80Gbps of stacking	No Change
213	58/106/ 4.24 Managed L2 Switch - District Category 1 and 2 and 3 (48 port switch)	Additional Points	Energy-Efficient Ethernet	No Change
214	58/106/ 4.24 Managed L2 Switch - District Category 1 and 2 and 3 (48 port switch)	Additional Points	The switch should support 4K VLAN ID and minimum 4K VLAN 802.1Q Tags	No Change
215	58/106/ 4.24 Managed L2 Switch - District Category 1 and 2 and 3 (48 port switch)	Additional Points	Need inputs on the Uplink Optics, Type, and Bandwidth and Qty per switch	Please Refer Revised Annexure C
216	58/ 106/4.25 Managed Outdoor L2 Switch, PoE with Fibre Port	Minimum Switching capacity of 8 Gbps or more	To offer Linerate wirespeed operation in Full Duplex request to change the fabric capacity from 2 Gbps as per the Annexure C to 24 Gbps	This is the minimum mentioned Specification, the bidder is free to proposed better or higher features as a part of its proposed solution
217	58/ 106/4.25 Managed Outdoor L2 Switch, PoE with Fibre Port	Temperature: Ambient temperature range of 0 ° C to 55 ° C. The bidder has to take into consideration of the internal temperature adjustment of the junction box	Request to make the temperature from 0 ° C to 45 ° C	No Change
218	58/ 106/4.25 Managed Outdoor L2 Switch, PoE with Fibre Port	Additional Points	Energy-Efficient Ethernet	No Change
219	58/ 106/4.25 Managed Outdoor L2 Switch, PoE with Fibre Port	Additional Points	The switch should support 16K MAC address	No Change
220	58/ 106/4.25 Managed Outdoor L2 Switch, PoE with Fibre Port	Additional Points	The switch should support 4K VLAN ID and minimum 254 VLAN 802.1Q tags	No Change
221	58/ 106/4.25 Managed Outdoor L2 Switch, PoE with Fibre Port	Additional Points	Need inputs on the Uplink Optics, Type, and Bandwidth and Qty per switch	Please Refer Revised Annexure C
222	58/106/4.26 Managed Outdoor L2 Switch with PoE - 8-port	Minimum Switching capacity of 8 Gbps or more	To offer Linerate wirespeed operation in Full Duplex request to change the fabric capacity from 2 Gbps as per the Annexure C to 24 Gbps	Please Refer Revised Annexure C
223	58/106/4.26 Managed Outdoor L2 Switch with PoE - 8-port	Temperature: Ambient temperature range of 0 ° C to 55 ° C. The bidder has to take into consideration of the internal temperature adjustment of the junction box	Request to make the temperature from 0 ° C to 45 ° C	No Change
224	58/106/4.26 Managed Outdoor L2 Switch with PoE - 8-port	Additional Points	Energy-Efficient Ethernet	No Change
225	58/106/4.26 Managed Outdoor L2 Switch with PoE - 8-port	Additional Points	The switch should support 16K MAC address	No Change
226	58/106/4.26 Managed Outdoor L2 Switch with PoE - 8-port	Additional Points	The switch should support 4K VLAN ID and minimum 254 VLAN 802.1Q tags	No Change
227	58/106/4.26 Managed Outdoor L2 Switch with PoE - 8-port	Additional Points	Need inputs on the Uplink Optics, Type, and Bandwidth and Qty per switch	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
228	24/ 3.1.2.3	The bidder shall be responsible for performing various day to day activities like discovery of network devices, monitoring of network health, generation of various MIS reports, pertaining to the network management through NMS tools supplied him under this RFP. Bidder is also responsible for adhering to the Service level agreements and maintaining entire system with the minimum required uptime defined in this RFP document.	Request to add the point for the NMS capabilities as, the Proposed NMS should be able to support and Manage Multi OEM Product, Should support multiple dashboard to Discover, Configure, Manage, Monitor, Troubleshoot and Reporting windows.	No Change
229	24/ 3.1.2.4	Additional Points	The NMS should support multiple Operating Systems and Explorers	No Change
230	24/ 3.1.2.5	Additional Points	Server hardware, VM, and software required to install the NMS to be provisioned	No Change
231	51/106/ 4.13 (Desktop PC)	Intel Core i5 with min 2.8 GHz with 4MB cache or higher AMD A10 with min 3.2 GHz, 4MB cache or higher	we request GIL to mention processor as 3.0 GHz, quad core with 6 MB cache or better or equivalent. Latest generation Intel processor comes with min 3.0 ghz and 6MB cache and hence request GIL to mention 6MB cache in processor.	This is the minimum mentioned Specification, the bidder is free to proposed better or higher features
232	51/106/ 4.13 (Desktop PC)	Minimum 4 GB DDR3/DDR4 or higher expandable up to 16 GB or more	Latest technology in Memory is DDR4 and hence request GIL to keep only DDR4 memory only	No Change
233	51/106/ 4.13 (Desktop PC)	19.5 Inches or Higher, Wide LED Screen , Resolution- 1920x1080, Aspect Ratio-16:9	19.5" standard resolution is 1600x900 and not 1920x1080.	Please Refer Revised RFP Document
234	51/106/ 4.13 (Desktop PC)	Windows 10	Please confirm which OS is required. Professional or Single language/Home	Please Refer Revised RFP Document
235	50/106/ 4.12 (Workstations)	Latest Quad Core i7 with min 3 GHz or higher	The latest generation on i7 is the 7th generation. We request GIL to mention the specs as " Latest 7th generation i7 processor with min 3.5GHz or higher"	Please Refer Revised RFP Document
236	50/106/ 4.12 (Workstations)	Integrated Graphic controller with minimum 2 GB video memory (non- shared), NVIDIA GeForce/AMD Radeon/Intel, it should support 3 monitors simultaneously without degrading the quality of the HD video Quality	The professional graphics from NVIDIA is Quadro and from AMD is Firepro. We request this change to feature in the specs. This will bring the specs in to the arena of workstations. Else, desktops would compete on these specs	Please Refer Revised RFP Document
237	50/106/ 4.12 (Workstations)	6 Nos. or Higher USB (min 2 USB3.0), 1X HDMI / 1 VGA Port.	Is there a specific requirement for a VGA port? Else, we request the VGA port requirement to be dropped in favour of newer technologies like DP and HDMI	VGA Port is optional
238	50/106/ 4.12 (Workstations)	Pre-Loaded Windows 10 with recovery disc	For a workstation to operate optimally, we will need Windows 10 Professional. Kindly incorporate this in the requirement.	Please Refer Revised RFP Document
239	60/106/ 4.27 Server	Network Interface : 2 X 10Gbps ports for providing Ethernet connectivity 2 X Dual-port 10Gbps FC/FCoE/HBA for providing FC connectivity without replacing existing Controllers	We observe that average throughput of camera is in the range of 4-8MB and these will terminate onto these server/VMS and hence we must ensure that there is enough bandwidth available at server end to handle the live CCTV recording. Hence request GIL to modify the Ports as 4x10Gbps for Ethernet connectivity and 2*8/16Gbps FC/FCoE/HBA.	Please Refer Revised RFP Document
240	62/4.33	Should provide controls to prevent identity theft, financial fraud and corporate espionage.	These re capabilities of a Fraud Prevention Solution. Imperva, although integrates with FPs solutions like Iovation and Threatmatrix.	No Change
241	62/4.33	Should continuously track the availability of the Server(s) being protected.	This is feature of a load balancer solution. Request to remove this requirement from WAF	No Change
242	62/4.33	Should have a Web Vulnerability Scanner to detect existing vulnerabilities in the protected web applications.	WAF solution integrates with 3rd party vulnerability scanners and don't have scanning capability inbuilt. The point should be changed to, "Should have capability to integrate with 3th party Web Vulnerability Scanner to detect existing vulnerabilities in the protected web applications. List all the scanners that can be integrated by proposed solution"	No Change
243	63/4.33	Should be in High Availability in active mode and load-balancing engine	Load balancing is delivered via separate solution. Request to remove this requirement from WAF since this is a security RFP	No Change
244	63/4.33	Should have in built capability for Web Application Vulnerability Scanning	WAF solution integrates with 3rd party vulnerability scanners and don't have scanning capability inbuilt. The point should be changed to, "Should have capability to integrate with 3th party Web Vulnerability Scanner to detect existing vulnerabilities in the protected web applications. List all the scanners that can be integrated by proposed solution"	Please refer Sr. No. 241
245	21/3.1.1.4	Mobile application should allow MAC/IMEI No. binding, role based user access over secured VPN client on users mobile/smart phone.	Server Load Balancer specifications for Central CCC Server Load Balancer for District/City Control Centre Server Load Balancer appliance should support user authentication and restrict user access based on Hard disk ID, MAC ID and CPU ID combinations and custom smartphone checks. RFP has asked the bidders to develop a mobile application and support for MAC/IMEI No. binding and role based user access on mobile/smart phone while accessing the mobile application. Server Load Balancer devices can support role based access of end users and restrict user access based on MAC/IMEI No. hence we suggest to include this point in the Server Load Balancer Specifications	Please Refer Revised RFP Document
246	66/4.37 & 4.38	Server Load Balancer for Central CCC Server Load Balancer for District/City Control Centre	Should support Global Server Load balancing, Server Load Balancer should support full DNS bind function & Capable of handling complete DNS bind records including A, MX, AAAA etc. Full DNS bind support is required to add MX and CNAME record and to get full fledged GSLB functionality	Please Refer Revised RFP Document

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
247	66/4.38	Server Load Balancer for District/City Control Centre	Device should provide 4x1G ports scalable to additional 4x1G ports Device should provide 2x1G ports scalable to additional 2x1G ports We can create Multiple sub-interfaces on single physical interface hence maximum two 1G Interfaces would be sufficient for SLB deployment at District / City center, hence request you to change this point	Please Refer Revised RFP Document
248	56/4.21 Internet Router	Router should have IPv4 and IPv6, IGMP V1/V2/V3, MLD, PIM(V1,V2), 6PE and 6VPE mode for IPv6 transport over IPv4, IPv4 Multicast, VPN V4 multicast ECMP, LDP, BGP Prefix independent control (EDGE and Core) for IPv4 and IPv6, BGP,MBGP, IS-IS, OSPF v2 and v3,NAT, MPLS (L2 & L3), RSVP,VRRP, Loop free alternate FRR and traffic engineering	Request to remove NAT as this functionality will be done on Dedicated firewall as per design	Please Refer Revised RFP Document
249	56/4.21 Internet Router	Router shall support sync any configurations from previous modules to new modules with hot-swap event occurred	This frctionality will ensure that during the SUP/controller card failover from one to the other, network traffic is not impacted & the standby SUP/controller card can get the exact config downloaded to it from the active SUP/controller card even in hot-swap mode.	Please Refer Revised RFP Document
250	56/4.21 Internet Router	Fan tray should be hot-swappable, and should be a Field Replaceable Unit (FRU). The node can run indefinitely with a single fan failure. Shall Support hot-swappable for all modules. And secure normal operations when hot-swap event occurred	FRU is a must for such higher end devices as this will ensure that power supply & fan trays are hot swappable & does not bring down the enire chassis.	Please Refer Revised RFP Document
251	56/4.21 Internet Router	Router should support RFC 3107 of Carrying Label Information in BGP-4	When you enable RFC 3107 on both BGP routers, the routers advertise to each other that they can then send MPLS labels with the routes. If the routers successfully negotiate their ability to send MPLS labels, the routers add MPLS labels to all outgoing BGP updates.	Please Refer Revised RFP Document
252	56/4.21 Internet Router	Shall support Ingress classification, marking and policing on physical interfaces and logical interfaces using source/destination IP subnet, protocol types (IP/TCP/UDP), source/destination ports, IP Precedence, MPLS EXP, DSCP,802.1p	These features will ensure that QoS mechanism is in place form day one & no other hardware/software is required to enable QoS on MPLS network.	Please Refer Revised RFP Document
253	57/ 4.22 Router	Router should support all standard routing protocols like BGP, MBGP, OSPF v2/v3, IS-IS, RIP/RIPv2, static routes, MPLS (L2 & L3), PIM(v1, v2), IGMP(v1, v2, v3), , Ipv6 tunneling, NAT, NTP, etc.	As this is WAN Router and does not require NAT functionality	Please Refer Revised RFP Document
254	56/ 4.22 Router	Router should be CE2.0 & MEF14.0 certified.	Carrier Ethernet 2.0 (CE 2.0) is a ubiquitous, standardized, carrier-class Service and Network defined by five attributes that distinguish it from familiar LAN-based Ethernet. Carrier Ethernet 2.0 networks and services enable multiple classes of service (Multi-CoS) and manageability over interconnected provider networks. The MEF is a combination of a technical and a marketing forum to promote the adoption of Metro Ethernet. This contrasts with standard bodies such as the Internet Engineering Task Force and the Institute of Electrical and Electronics Engineers (IEEE). The forum makes recommendations to existing standards bodies and creates specifications that are not being developed by (or fall within the scope of) other standards bodies. "MEF 14 Abstract Test Suite for Traffic Management Phase 1". Both CE2.0 & MEF 14.0 standard ensure that the OEM supplied products are meant to be a true carrier class in nature that can handle traffic with MPLS enabled on it & can provide a seamless connectivity experience.	No Change
255	56/ 4.22 Router	Router shall support sync any configurations from previous modules to new modules with hot-swap event occurred	This frctionality will ensure that during the SUP/controller card failover from one to the other, network traffic is not impacted & the standby SUP/controller card can get the exact config downloaded to it from the active SUP/controller card even in hot-swap mode.	No Change
256	56/ 4.22 Router	Fan tray should be hot-swappable, and should be a Field Replaceable Unit (FRU). The node can run indefinitely with a single fan failure. Shall Support hot-swappable for all modules. And secure normal operations when hot-swap event occurred	FRU is a must for such higher end devices as this will ensure that power supply & fan trays are hot swappable & does not bring down the enire chassis.	No Change
257	56/ 4.22 Router	Router should support RFC 3107 of Carrying Label Information in BGP-4	When you enable RFC 3107 on both BGP routers, the routers advertise to each other that they can then send MPLS labels with the routes. If the routers successfully negotiate their ability to send MPLS labels, the routers add MPLS labels to all outgoing BGP updates.	No change
258	56/ 4.22 Router	Shall support Ingress classification, marking and policing on physical interfaces and logical interfaces using source/destination IP subnet, protocol types (IP/TCP/UDP), source/destination ports, IP Precedence, MPLS EXP, DSCP,802.1p	These features will ensure that QoS mechanism is in place form day one & no other hardware/software is required to enable QoS on MPLS network.	No Change
259	57/ 4.23 Managed L3 Switch	Switch hardware must be capable to support 802.1AE / MACsec wire-rate Layer 2 encryption.	802.1AE IEEE industry-standard security technology that provides secure communication for all traffic on Ethernet links ensure that traffic is not tampered or sniffed inbetween	No Change
260	57/ 4.23 Managed L3 Switch	Should have features like port-security, auto-negotiate, flow control, MAC filtering, IP ACL, IPv6 RA guard	These features will ensure that switch software security is in place for both IPv4 & IPv6 packets.	Please refer Sr. No. 117
261	58/ 4.24 Managed L2 Switch	Switch hardware must be capable to support 802.1AE / MACsec wire-rate Layer 2 encryption.	802.1AE IEEE industry-standard security technology that provides secure communication for all traffic on Ethernet links ensure that traffic is not tampered or sniffed inbetween	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
262	58/ 4.24 Managed L2 Switch	Should have features like port-security, auto-negotiate, flow control, MAC filtering, IP ACL, IPv6 RA guard	These features will ensure that switch software security is in place for both IPv4 & IPv6 packets.	No Change
263	59/ 4.25 Managed Outdoor L2 Switch. PoE with Fibre Port-	Temperature: Ambient temperature range of 0 ° C to 55 ° C. The bidder has to take into consideration of the internal temperature adjustment of the junction box	As this will be placed inside rack, due to solar loading temperature inside outdoor rack can easily reach 65 Degree. Request to change to 0 to 65 ° C to ensure right devices are positioned for high uptime	No Change
264	59/ 4.25 Managed Outdoor L2 Switch. PoE with Fibre Port-	Web/SSL, Telnet server/SSH, ping, traceroute. Simple Network Time Protocol (SNTP), Trivial File Transfer Protocol (TFTP), SNMP, RADIUS, syslog, DNS client, protocol-based VLANs	Request to allow SNTP / NTP, As each OEM either follows SNTP of full featured NTP	Please Refer Revised RFP Document
265	58/ 4.25 Managed Outdoor L2 Switch. PoE with Fibre Port-	Switch should support static ARP, Proxy ARP, UDP forwarding and IP source guard, DHCP Snooping, DHCP Option 82, Dynamic ARP Inspection (DAI), PTP, Profinet,IP Source Guard, Network Address Translation, BPDU Guard, Port-Security, DHCP Snooping, 802.1x, 802.1AE, MAC Authentication Bypass, 802.1x Multi-Domain Authentication, Storm Control	As this switch is going to be installed on the field, providing security to the switch IOS/image is a key feature so that nobody can tamper with the switch ports or with software on the field.	Please Refer Revised RFP Document
266	58/ 4.25 Managed Outdoor L2 Switch. PoE with Fibre Port-	Switch should be IP30 & NEMA TS-2 certified	IP30 & NEMA TS-2 are a basic certification need for an outdoor switch specifically for CCTV surveillance deployment. NEMA TS-2 will ensure that switch is certified to be deployed on a traffic signal & can withstand to constant vibration etc.	No Change
267	58/ 4.25 Managed Outdoor L2 Switch. PoE with Fibre Port-	The switch should support backup storage drives, which will store the last known configuration of the switch, in case of hardware failure and replacement, reinserting the storage drive should restore the switch to original working condition without any manual intervention.	As these switches will be deployed in the field, reconfiguration of these switches will be the most difficult job in case of any breakdown. This proposed feature will ensure that in a memory chip the entire config can be backed up & restored within few mins rather than taking too much of time.	No Change
268	58/ 4.25 Managed Outdoor L2 Switch. PoE with Fibre Port-	Switch should be EN55024, EN 61000-4-2 Electro Static Discharge, EN 61000-4-5 Surge, EN 61000-4-8 Power Frequency Magnetic Field, EN 61000-4-11 AC Power Voltage	These are all standard ESD, Surge certification standards that are required for any outdoor switch so that it can work without sudden surge or ESD scenarios on the field.	No Change
269	59/ 4.26 Managed Outdoor L2 Switch with PoE - 8-port Existing Clause	Temperature: Ambient temperature range of 0 ° C to 55 ° C. The bidder has to take into consideration of the internal temperature adjustment of the junction box	As this will be placed inside rack, due to solar loading temperature inside outdoor rack can easily reach 65 Degree. Request to change to 0 to 65 ° C to ensure right devices are positioned for high uptime	No Change
270	59/ 4.26 Managed Outdoor L2 Switch with PoE - 8-port Existing Clause	Web/SSL, Telnet server/SSH, ping, traceroute. Simple Network Time Protocol (SNTP), Trivial File Transfer Protocol (TFTP), SNMP, RADIUS, syslog, DNS client, protocol-based VLANs	Request to allow SNTP / NTP, As each OEM either follows SNTP of full featured NTP	Please Refer Revised RFP Document
271	59/ 4.26 Managed Outdoor L2 Switch with PoE - 8-port Existing Clause	Switch should support static ARP, Proxy ARP, UDP forwarding and IP source guard, DHCP Snooping, DHCP Option 82, Dynamic ARP Inspection (DAI), PTP, Profinet,IP Source Guard, Network Address Translation, BPDU Guard, Port-Security, DHCP Snooping, 802.1x, 802.1AE, MAC Authentication Bypass, 802.1x Multi-Domain Authentication, Storm Control	As this switch is going to be installed on the field, providing security to the switch IOS/image is a key feature so that nobody can tamper with the switch ports or with software on the field.	No Change
272	59/ 4.26 Managed Outdoor L2 Switch with PoE - 8-port Existing Clause	Switch should be IP30 & NEMA TS-2 certified	IP30 & NEMA TS-2 are a basic certification need for an outdoor switch specifically for CCTV surveillance deployment. NEMA TS-2 will ensure that switch is certified to be deployed on a traffic signal & can withstand to constant vibration etc.	No Change
273	59/ 4.26 Managed Outdoor L2 Switch with PoE - 8-port Existing Clause	The switch should support backup storage drives, which will store the last known configuration of the switch, in case of hardware failure and replacement, reinserting the storage drive should restore the switch to original working condition without any manual intervention.	As these switches will be deployed in the field, reconfiguration of these switches will be the most difficult job in case of any breakdown. This proposed feature will ensure that in a memory chip the entire config can be backed up & restored within few mins rather than taking too much of time.	No Change
274	59/ 4.26 Managed Outdoor L2 Switch with PoE - 8-port Existing Clause	Switch should be EN55024, EN 61000-4-2 Electro Static Discharge, EN 61000-4-5 Surge, EN 61000-4-8 Power Frequency Magnetic Field, EN 61000-4-11 AC Power Voltage	These are all standard ESD, Surge certification standards that are required for any outdoor switch so that it can work without sudden surge or ESD scenarios on the field.	No Change
275	60/4.27 Server	2 X 10Gbps ports for providing Ethernet connectivity 2 X Dual-port 10Gbps FC/FCoE/HBA for providing FC connectivity	FCoE or converged technology provides both the Ethernet & Fiber connectivity hence we understand that customer requires 2 x Dual port 10Gbps FCoE / converged adapters each server. Is our understanding correct ?	As per RFP

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
276	61/4.31 Firewall for District Control Centres	Proposed device should also perform activities like Intrusion prevention, IP Reputation, Antivirus & Anti-BOT control from day one with required perpetual Licenses and 24*7 support for 5 years	Please change the clause to " Proposed device should also perform activities like Intrusion prevention, IP Reputation, Antivirus/Anti-Maware & Anti-BOT control from day one with required perpetual/subscription Licenses and 24*7 support for 5 years" Antivirus is deprecating technology and in order to protect advace threats, we request bidder to allow either Antivirus or Anti-Malware technology which is asked in "Firewall for CCC" Since NGFW is asked with 5 year support, we request to include the license for required period only. None of the OEM provide perpetual license in industry	Please refer Sr. 131
277	61/4.31 Firewall for District Control Centres	Device should support IPv4 & IPv6 dual stack functionality	Please change the clause to "Device should support IPv4 & IPv6 dual stack functionality simultaneously in access policy"	Please refer Sr. 132
278	61/4.31 Firewall for District Control Centres	Firewall should support user authentication via captive portal & should be integrate with LDAP, RADIUS, AD for SSO	Please change it to "Firewall should support user authentication via captive portal & should be integrate with LDAP, RADIUS/Oracle Directory/OpenLDAP, AD for SSO There are various mechanism used most prominent are LDAP, AD and hence requested change	Please refer Sr. 133
279	61/4.31 Firewall for District Control Centres	The device should be manageable using standard protocols HTTP, HTTPS, SSL, telnet, SSH, SNMP etc.	Please change it to "The device should be manageable using standard protocols HTTPS, SSL, SSH, SNMP etc." Requesting to delete HTTP and Telnet, as they are not secure way of communication	Please refer Sr. 134
280	61/4.31 Firewall for District Control Centres	Minimum firewall throughput and port details : As per Annexure C	Please mention performance as real world NGFW (7 Gbps or 12 Gbps or 15 Gbps or 20 Gbps) considering FW, AVC and IPS. To ensure that device deliver the expected capabilities ie FW, AVC and IPS simultaneously with above mention throughput, it is necessary to mention the performance considering NGFW	Please refer Sr. 135
281	61/4.31 Firewall for District Control Centres	New Clause	To ensure that solution should be able to block the traffic on the basis of sourc or destination country, we request to add the below clause: NGFW should allow the creation of access policy to allow or deny traffic on the basis of source or destination geo-location.	Please refer Sr. 136
282	61/4.32 Firewall for CCC	Device must have support for IPsec, VPN & SSL VPN with 500 user support from day 1 in any kind of mode (office/routed/tunnel/web, etc.) & must have capacity to expand up to 1000 users in same unit	Please change this clause to "Solution (Internal/External)must have support for IPsec, VPN & SSL VPN with 500 user support from day 1 in any kind of mode (office/routed/tunnel/web, etc.) & must have capacity to expand up to 1000 users" CCC NGFW is core FW and it is suggested to have VPN functionality to be done on separate device	Please Refer Revised RFP Document
283	61/4.32 Firewall for CCC	Device should support IPv4 & IPv6 dual stack functionality	Please change the clause to "Device should support IPv4 & IPv6 dual stack functionality simultaneously in access policy"	Please refer Sr. 138
284	62/4.32 Firewall for CCC	Device should have Minimum firewall throughput of 20 Gbps	Please change it to "Device should have Minimum real world NGFW throughput of 20 Gbps, considering FW, AVC and IPS. To ensure bidder does not quote raw Firewall throughput, which is considered to 1st generation. To ensure that device deliver the expected capabilities, it is necessary to mention the performance considering NGFW	Please refer Sr. 139
285	62/4.32 Firewall for CCC	Firewall should support user authentication via captive portal & should be integrate with LDAP, RADIUS, AD for SSO	Please change it to "Firewall should support user authentication via captive portal & should be integrate with LDAP, RADIUS/Oracle Directory/OpenLDAP, AD for SSO There are various mechanism used most prominent are LDAP, AD and hence requested change	Please refer Sr. 140
286	62/4.32 Firewall for CCC	The device should be manageable using standard protocols HTTP, HTTPS, SSL, telnet, SSH, SNMP etc.	Please change it to "The device should be manageable using standard protocols HTTPS, SSL, SSH, SNMP etc." Requesting to delete HTTP and Telnet, as they are not secure way of communication	Please refer Sr. 141
287	61/ 4.32 Firewall for CCC	It Should be supplied with additional Hard disk of suitable storage capacity for storing the daily Logs	Please change this clause to "Solution Should be supplied with additional Hard disk of suitable storage capacity for storing the daily Logs" Most of management solution are appliance based which support fixed amount of factory fitted HDD. As these mgmt appliance support forwarding logs to syslog or event manager, we request to change it to solution, so that bidder can consider required amount of external storage for storing logs	Please refer Sr. 142
288	61/4.32 Firewall for CCC	New Clause	To ensure that solution should be able to block the traffic on the basis of sourc or destination country, we request to add the below clause: NGFW should allow the creation of access policy to allow or deny traffic on the basis of source or destination geo-location.	Please refer Sr. 143

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
289		Minimum firewall throughput and port details : As per Annexure C	Please mention performance as real world NGFW (7 Gbps or 12 Gbps or 15 Gbps or 20 Gbps) considering FW, AVC and IPS. To ensure that device deliver the expected capabilities ie FW, AVC and IPS simultaneously with above mention throughput, it is necessary to mention the performance considering NGFW	Please Refer Revised RFP Document
290		Additional Points	Under Make in India, GoI Policy, We would like to bring to your notice that Government of India has come up with a Gazette Preferential Market Access Policy vide notification no.8(78)/2010/IPHW dated 10th Feb,2012 which clearly mandates vide clause 2.2.2 that all central government funded projects would have to come under PMA policy. In addition, the policy dated 23rd December,2013 vide clause 4.3.4 states that the tender conditions would ensure that domestically manufactured electronic products are encouraged and are not subjected to restrictive product specifications or mandatory requirement of prior experience. All smart City projects are funded by Central Govt. In view of above, we request you for Implementation GOI Preferential Market Access Policy to promote domestic manufacturing under Make in India- as per the following notifications - a. Notification No.8(78)/2010-IPHW dated 10 Feb 2012; b. DoT notification No.18-07/2010-IPdated 05 Oct 2012 c. Guidelines issued by DeitY vide No.8(78)/2010-IPHW dated 12Jun 2013.; d. Notification issued by DeitY vide No.33(3)/2013-IPHW dated 23Dec 2013.; e. Guidelines issued by DeitY vide No.33(7)/2015-IPHW dated 16th November,2015. Below are some Tender references Documents/clarifications reference mentions PMA policy:- 1. RailTel Corporation of India Limited - Tender No. RailTel/Tender/OT/CO/Project/2012- 13/211 - Clause 23 (Page-50) for Surveillance applications 2. BSNL Indian Navy Tender - CA/CNP/NCN-EQPT/T-464/2014 DATED 31 JAN 2014 - Clause 4.1.6 (Page-6) 3. Railtel Corporation of India Limited - RailTel/Tender/OT/CO/OP/2016-17/VSS-ER/365 4. Railtel Corporation of India Limited - RailTel/Tender/OT/CO/OP/2016-17/VSS-WR/364 5. Railtel Corporation of India Limited - RailTel/Tender/OT/CO/OP/2016-17/VSS-NR/359 6. Railtel Corporation of India Limited - RailTel/Tender/OT/CO/OP/2016-17/VSS-WR/364	No Change
291	12-106/section 2.3/	OEMs of proposed equipment/components should have their own registered office in India as per the prevalent/ applicable laws of India and be in operation in India for last five years as on the bid issuance date. Registered offices by way of Joint ventures, Franchise, agency, distribution partners will not be considered. a.) OEMs for networking devices at aggregation layer and data centre layer should be one of the top five from the GARTNER list of top five companies for data centre networking b.) OEM for other networking equipment's should be in the top Five positions in terms of market share in India as per latest available IDC report or should be present in latest Gartner magic Quadrant. c.) OEM for storage and servers should be from companies featuring in Gartner magic quadrant in leadership position.	"Gartner's reports have the following disclaimer in all its reports which is mentioned below: Gartner, Inc. "Magic Quadrant for Network Services. Global" by Neil Rickard, Bjarne Munch, January 14th 2016 "Gartner doesn't endorse any vendor, product or service depicted in its research publications and does not advise technology users to select only those vendors with the highest ratings or other designation. Gartner research publications consist of the opinions of Gartner's research organisation and should not be construed as statements of fact. Gartner disclaims all warranties, expressed or implied, with respect to this research, including any warranties of merchantability or fitness for a particular purpose." In view of the above, we request you to either delete the requirement of OEMs having its name in Gartner/IDC OR include one of the CVC guidelines as mentioned below to allow for a fair competition. Any OEM qualifying in any of these two conditions (either CVC or Gartner/IDC) should be allowed to participate. CVC guidelines are mentioned below: I) Average Annual financial turnover during the last 3 years, ending 31st March of the previous financial year, should be at least 30% of the estimated cost. ii) Experience of having successfully completed similar works during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following:- a. Three similar completed works costing not less than the amount equal to 40% of the estimated cost. OR b. Two similar completed works costing not less than the amount equal to 50% of the estimated cost. OR c. One similar completed work costing not less than the amount equal to 80% of the estimated cost. iii) Definition of "similar work" should be clearly defined. In addition to above, the criteria regarding satisfactory performance of works, personnel, establishment, plant, equipment etc. may be incorporated according to the requirement of the Project. B) For Store/Purchase Contract Prequalification/Post Qualification shall be based entirely upon the capability and resources of prospective bidders to perform the particular contract satisfactorily, taking into account their (I) experience and past performance on similar contracts for last 2 years (ii) capabilities with respect to personnel, equipment and manufacturing facilities (iii) financial standing through latest I.T.C.C., Annual report (balance sheet and Profit & Loss Account) of last 3 years. The quantity, delivery and value requirement shall be kept in view, while fixing the PQ criteria. No bidder should be denied prequalification/post qualification for reasons unrelated to its capability and resources to successfully perform the contract."	No Change
292		Additional clarification	District and City Category The requirement of ports have been laid out in respect to the district and city category. However there is no clear definition on what basis the same has been done. PI confirm the difference between the city and district classification.	Please Refer Revised RFP Document
293		Additional Clarification	CCTV Network Architecture The RFP mentions that the project will be executed in phases and multiple projects will also be centrally managed in the command and control centre envisaged in the tender. However, there are no architecture details of the same provided in the RFP. Port densities have been mentioned in ANNEXURE-C, please confirm the calculation and Logic behind the same.	Please Refer Revised RFP Document
294	56/section 4.22 router	s	Routers of multiple types have been specified in ANNEXURE C. Respective router will carry respective MAC table capability. Currently there are 6 types of router sought in the ANNEXURE. PI confirm the respective MAC table capabilities of the router.	Please Refer Revised RFP Document

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
295	56/section 4.22 router	5. Router must support TCP/IP, PPP, Frame Relay, HDLC	We would request to remove the PPP, Frame Relay capability requirement as they have become obsolete considering the next generation network requirements. PPP is used in case of dial up connections and Frame Relay is used for T1 connections. Today's all the connections are Ethernet frame based. Pl confirm.	No Change
296	57/section 4.22 router	14. Router should be NDPP or EAL3 certified at the time of bidding	We request you to accept compliances against the EAL3 or NDPP specifications as these certifications are US certifications and even the registries for such certifications are not available in India. It is important to mention that compliance against EAL specifications was even acceptable in the most strategic and secure Network for Spectrum tender for the Tri Services. Hence request you to confirm that compliance against the EAL3 or NDPP specifications is acceptable for domestic manufacturers.	No Change
297	57/section 4.22 router	4. Should support minimum 8000 MAC address entries	There are three types of switches being specified in the RFP carrying different ports and capacities. Please clarify if different switches will require different MAC table sizing as they have different placing in the architecture. Also, Please clarify if 8K MAC size is minimum for all the switches.	This is the minimum mentioned Specification, the bidder is free to proposed better or higher features as a part of its proposed solution
298	57/section 4.22 router	10. Should be NDPP or EAL3 certified at the time of Bidding	We request you to accept compliances against the EAL3 or NDPP specifications as these certifications are US certifications and even the registries for such certifications are not available in India. It is important to mention that compliance against EAL specifications was even acceptable in the most strategic and secure Network for Spectrum tender for the Tri Services. Hence request you to confirm that compliance against the EAL3 or NDPP specifications is acceptable for domestic manufacturers.	No Change
299	58/4.24 Managed L2 Switch	13. The Switch should be Rack mountable & the switch should be supplied with Indian standard AC power cord.	Please confirm if the power supplies are redundant or non redundant.	As per RFP
300	58/Additional Recommendation	4.25 Managed Outdoor L2 Switch, PoE with Fibre Port-	There are two types of PoE switches in the requirement with different types of uplink port requirement. Now a days, switches come with combo ports which offer the flexibility to use either of the ports (Optical/ Electrical). There is hardly any cost difference. The advantage we would like to highlight is not just a single type of switch will cater to the requirement, it will also help in deployment flexibility and reduce the spare management since only one model will be required to be managed. We would recommend to reiterate the clause as PoE switch with combo uplink ports.	The Technical specifications mentioned in the RFP are the minimum required Specifications and the bidder is free to propose the equipment's with better features/capabilities in order to meet the functional outcome asked under the project
301	58/4.25 Managed Outdoor L2 Switch, PoE with Fibre Port-	14. Temperature: Ambient temperature range of 0 ° C to 55 ° C. The bidder has to take into consideration of the internal temperature adjustment of the junction box	Generally it has been observed to have a extended temperature range of outdoor switches for field location. We would request to reiterate the temperature range of 0 ° C to 65 ° C. Please confirm.	No Change
302	59/Additional Recommendation	4.26 Managed Outdoor L2 Switch with PoE - 8-port	There are two types of PoE switches in the requirement with different types of uplink port requirement. Now a days, switches come with combo ports which offer the flexibility to use either of the ports (Optical/ Electrical). There is hardly any cost difference. The advantage we would like to highlight is not just a single type of switch will cater to the requirement, it will also help in deployment flexibility and reduce the spare management since only one model will be required to be managed. We would recommend to reiterate the clause as PoE switch with combo uplink ports.	The Technical specifications mentioned in the RFP are the minimum required Specifications and the bidder is free to propose the equipment's with better features/capabilities in order to meet the functional outcome asked under the project
303	59/4.26 Managed Outdoor L2 Switch with PoE - 8-port	14. Temperature: Ambient temperature range of 0 ° C to 55 ° C. The bidder has to take into consideration of the internal temperature adjustment of the junction box	Generally it has been observed to have a extended temperature range of outdoor switches for field location. We would request to reiterate the temperature range of 0 ° C to 65 ° C. Please confirm.	No Change
304	106/ANNEXURE C, Product Capacities	Min Throughput of Router/ Managed L3 and L2 switch	We would like to highlight the fact that minimum capacity should be inline to the port requirement placed for a particular switch to support line-rate, non-blocking forwarding as mentioned in the RFP. In full duplex mode the logic is min 2 Gbps capacity per 1G port and 20Gbps per 10G port excluding the stacking bandwidth if any. Following the same logic, for example, considering a District Category 1 switch - min capacity shall be 140Gbps (120G of 6*10G + 20G of 10*1G) and not 7Gbps. Pl confirm the same for the various requirements.	Please Refer Revised Annexure C
305	106/ANNEXURE C, Product Capacities	Port Capacity Requirements of Switches and Routers (Electrical/ Optical/ SFP Distances)	The routers and switches ports have a flexibility to be used as either electrical or optical and they come with different distance capability bearing different costs. Please do specify the ratio of electrical and optical ports required per switch/ router along with the distance SFP shall support.	Please Refer Revised Annexure C
306	106/ANNEXURE C, Product Capacities	Port Capacity Requirements of Switches and Routers	Currently there are no architecture details present in the tender. We would like to understand the calculation beneath the no of ports specified in the requirement. There are discrepancies in the port requirements for example, 16 port switch for city doesn't have details about the uplink port requirement. Please elaborate and confirm.	Please Refer Revised Annexure C

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
307	—	Additional Points	Sir, Bidder must be given more time to study complete RFP aspects and to conduct feasibility as per Phase – I scope. A given time would not be sufficient to even comprehend the enormity of the project and submit pre-bid queries. We therefore request to your good office to consider our request to give more time to submit queries and extend timeline for 30 days.	Please Refer Revised RFP Document
308	61/4.32/Firewall for DCCC	The device should support at least 4x10 G and 4x 1 G ports from day one and should be scalable to additional 2x10 G and 2X1 G ports	The device should support at least 8x1 G and 4x 1 G SFP ports from day one and should be scalable to additional 2x10 G and 2X1 G ports Just for 20Gbps firewall with 2Gbps VPNthroughput, asked ports are very much on a higher side. If required more throughput, LACP of multiple ports is an option. This will reduce the cost & also provide performance which is required.	Please Refer Revised Annexure C
309	62/4.2/Firewall for District CCC	It Should be supplied with additional Hard disk of suitable storage capacity for storing the daily Logs	It Should be supplied with additional Hard disk in the box or external solution with atleast 12TB storage with atleast 70GB logs/day from the day 1 for storage capacity for storing the daily Logs & Reporting For higher log rate, external logging & reporting solution is recommended. Also request you to include atleast 12TB disk for long storage capacity of logging with atleast 70GB logs per day capacity	Please Refer Sr. No. 142
310	106/Annexure C/Firewall for District Cat 1	Interfaces 8x10G SFP+ (2 scalable) & 6xGE SFP (2 scalable)	Interfaces 8x1G (4 scalable) & 2x1G SFP Just for 7Gbps firewall, asked ports are very much on a higher side. This will increase cost of the model but performance might become bottle neck moving further. If required more throughput, LACP of multiple ports is an option. This will reduce the cost & also provide performance which is required	Please Refer Revised Annexure C
311	106/Annexure C/Firewall for District Cat 2	Interfaces 4x10G SFP+ (2 scalable) & 6xGE SFP (2 scalable)	Interfaces 8x1G (4 scalable) & 2x1G SFP Just for 12Gbps firewall, asked ports are very much on a higher side. This will increase cost of the model but performance might become bottle neck moving further. If required more throughput, LACP of multiple ports is an option. This will reduce the cost & also provide performance which is required.	Please Refer Revised Annexure C
312	106/Annexure C/Firewall for District Cat 3	Interfaces 8x10G SFP+ (2 scalable) & 6xGE SFP (2 scalable)	Interfaces 12x1G (4 scalable) & 2x1G SFP Just for 15Gbps firewall, asked ports are very much on a higher side. This will increase cost of the model but performance might become bottle neck moving further. If required more throughput, LACP of multiple ports is an option. This will reduce the cost & also provide performance which is required.	Please Refer Revised Annexure C
313	Firewall	Additional Point	Proposed Firewall must be in Gartner Leader/Challenger quadrant of Enterprise Firewall report since last 3 years. There are around 20 brands of UTM/Firewall in gartner report. For better reliability & stability of the product. Request to consider only leader/challenger products.	Please Refer Revised RFP Document
314	Firewall	Additional Point	Proposed Firewall at District, SDC & Management solution must be hardware based from the same OEM to avoid any integration complexity. Management for different OEM's are tricky & integration might be a problem. Request you to consider only single OEM for all types of firewall.	No Change
315	Firewall	Additional Point	Proposed OEM must have TAC centre & RMA centre in India for quick resolution & support Having a TAC centre & RMA centre improves response time, understanding of issue & quick resolution also in Indian languages. Request you to consider this point.	No Change
316	Firewall	Additional Point	Firewall must support atleast 5Virtual firewall from day 1 Virtual firewall is very useful case to separate network traffic of different domains & admins. This will help to manage their own virtual firewall as required by firewall admin without seeing/editing other admin firewall configurations.	No Change
317	Firewall	Additional Point	Solution must provide 2FA soft token based with 100 soft tokens for Android/iOS (any OS) to secure VPN users. It must be expandable 1000 token with additional license. If firewall don't have said feature, than it can provide separate solution with seamless integration for said usage. Username/pass are easy to compromise now a days. To make sure correct user is connected to VPN network, 1 additional layer of security is required. 2FA will add that dynamic layer in authentication & secure network by allowing correct user in the network.	No Change
318	66/4.37/SLB for CCC	s	Device should provide 2x10G ports & 4xGE ports & scalable to additional 2x10G ports Just for 10G SLB throughput, asked values are on higher side. Request you to consider said interfaces so that better sizing unit with required performance can be quoted.	Please Refer Revised Annexure C
319	66/4.37/SLB for CCC	Should support multiple instances having dedicated CPU, memory, SSL & I/O for guaranteed performance.	Should support multiple instances & allocate resources automatically for guaranteed performance. Assigning manual resources is not a good option as sometimes it happens like few resources are ideal due to low traffic. Resources must be managed centrally & it will be allocated automatically so whatever resources required at specific time can be assigned.	Please Refer Revised RFP Document
320	67/4.38SLB for Distrit	Should support multiple instances having dedicated CPU, memory, SSL & I/O for guaranteed performance.	Should support multiple instances & allocate resources automatically for guaranteed performance. Assigning manual resources is not a good option as sometimes it happens like few resources are ideal due to low traffic. Resources must be managed centrally & it will be allocated automatically so whatever resources required at specific time can be assigned.	Please Refer Revised RFP Document
321	12/9/Eligibility criteria	Is Gartner/IDC is asked for SLB?	Clarification required. As there are networking & DC gartner report mentioned so just want to clarify on SLB part.	As per RFP
322	Pg 51 / 4.14 Point 3	Field of View : 35-38°~100-104°(horizontal), 20-22° ~ 55-72° (vertical), 42°~112° (diagonal)	The specification of lens varies from manufacturer to manufacturer. Hence to allow health competition and level playing feild, please allow horizontal angle from 35-38°~99-104° Field of View : 35-38°~99-104°(horizontal), 20-22° ~ 55-72° (vertical), 42°~112° (diagonal)	Please Refer Revised RFP Document
323	Pg 51 / 4.14 Point 5	Min. Illumination / Light Sensitivity : Color mode: F1.2 @ 0.5 lux Black and white mode: F1.2@ 0.05 lux	F-Stop value is property of lens which depends from manufacturer to manufacturer. Our lens has F-Stop value of F1.4 and hence the minimum illumination is measured at F1.4. Request you to change the min. illumination value to 0.5 lux @ F1.4 Min. Illumination / Light Sensitivity : Color mode: F1.4 @ 0.5 lux Black and white mode: F1.4@ 0.05 lux	Please Refer Revised RFP Document

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
324	Pg 51 / 4.14 Point 8	Audio Compression: G.711 A-Law, G.711 U-Law, G.726	G.711 & G.726 are audio compression technology which are used for transmission over distant telephone network. Since here the primary requirement is video surveillance for security & safety in a closed loop dedicated network, G.711 or G.726 will not play any significant role. Selection of Audio Compression technology depends from manufacturer to manufacturer. Since G.711 is widely accepted protocol in surveillance cameras, kindly make use of G.726 as optional in this RFP. Audio Compression: G.711 A-Law/ G.711 U-Law/ G.726	Please Refer Revised RFP Document
325	Pg 52 / 4.15 Point 2	Electronic Shutter: 1 to 1 / 10,000 s or better	For ANPR, RLVD & Speed Detection, the cameras need to have very fast shutter in order to capture the required details from the scene. The lower range i.e. slow shutter range, mentioned in this tender is 1 sec which is not required from our standpoint of understanding. In order to have healthy competition, please allow shutter range from 1/3 to 1/10,000 seconds or better Electronic Shutter: 1/3 to 1 / 10,000 s or better	No Change
326	Pg 52 / 4.15 Point 9	Minimum Illumination: 0.1 Lux@30 (IRE) f1.2 (Colour) & 0.001 Lux @ 30 (IRE) f1.2(B/W)	F-Stop value is property of lens which depends from manufacturer to manufacturer. Our lens has F-Stop value of F1.4 and hence the minimum illumination is measured at F1.4. Request you to change the min. illumination value to 0.1 lux @ F1.4 Minimum Illumination: 0.1 Lux@30 (IRE) f1.4 (Colour) & 0.001 Lux @ 30 (IRE) f1.4(B/W)	Please Refer Revised RFP Document
327	Pg 52 / 4.15 Point 22	Power:PoE (802.3 af) OR AC 24V/ DC12V, 100- 230VAC	Power:PoE (802.3 af) OR AC 24V/ DC12V	Please Refer Revised RFP Document
328	Pg 53 / 4.16 Point 2	Electronic Shutter: 1 to 1 / 10,000 s or better	Electronic Shutter: 1/3 to 1 / 10,000 s or better Electronic Shutter: 1/3 to 1 / 10,000 s or better	No Change
329	Pg 53 / 4.16 Point 23	Power:PoE (802.3 af) OR AC 24V/ DC12V, 100- 230VAC	The low voltage equipments such as CCTV cameras utilizes DC power for operation. However, many leading OEMs such as Honeywell do provide optional AC 24V to support application in industrial sites. Direct line AC 100 - 230 V is not recommended for Low-voltage devices such as security cameras. Kindly make AC 100- 230V requirement as optional or through use of power adapters Power:PoE (802.3 af) OR AC 24V/ DC12V/ AC 100 - 230V	Please Refer Revised RFP Document
330	Pg 54 / 4.17 Point 4	S / N Ratio: >55Db	We kindly request to allow PTZ cameras having S/N ratio > 50dB also to participate. S/N Ratio > 50dB is the widely and most commonly used parameter across the industry. Hence, to allow healthy and fair competition please allow this request for change S / N Ratio: >50Db	Please Refer Revised RFP Document
331	Pg 54 / 4.17 Point 12	Pan/Tilt Range : Pan: 0° ~ 360° endless; Tilt: -15° ~ 90°, auto flip 180°	We kindly request to allow PTZ cameras having Tilt range -10 to 90 to participate. Tilt range of 0 -90 degrees is the widely and most commonly used parameter across the CCTV industry. Hence, to allow healthy and fair competition please allow this request for change Pan/Tilt Range : Pan: 0° ~ 360° endless; Tilt: -10° ~ 90°, auto flip 180°.	Please Refer Revised RFP Document
332	Pg 54 / 4.17 Point 14	Preset Speed: Pan: 240° /s; Tilt: 200° /s	The presence of Internal IR circuitry makes the PTZ heavy and hence reduces the PAN speed. Hence, to allow healthy and fair competition please allow this request for change. Preset Speed: Pan: 200° /s; Tilt: 200° /s	No Change
333	Pg 54 / 4.17 Point 32	Power:PoE (802.3 af) OR AC 24V/ DC12V, 100- 230VAC	The low voltage equipments such as CCTV cameras utilizes DC power for operation. However, many leading OEMs such as Honeywell do provide optional AC 24V to support application in industrial sites. Direct line AC 100 - 230 V is not recommended for Low-voltage devices such as security cameras. Kindly make AC 100- 230V requirement as optional or through use of power adapters Power:PoE (802.3 af) OR AC 24V/ DC12V/ AC 100 - 230V	Please Refer Revised RFP Document
334	12/Section: 2.3 Eligibility Criteria. S/N. 9).	OEMs of proposed equipment/components should have their own registered office in India as per the prevalent/ applicable laws of India and be in operation in India for last five years as on 31st Mar 2016. "Registered offices by way of Joint ventures, Franchise, agency, distribution partners will not be considered". a.) OEMs for networking devices at aggregation layer and data center layer should be one of the leaders OR Challengers from the latest GARTNER list of companies for data center networking. b.) OEM for other networking equipment's should be in the top Five positions in terms of market share in India as per latest available IDC report/ latest Gartner magic Quadrant. c.) OEM for storage and servers should be one of the leaders OR Challengers from the latest GARTNER list of companies for storage.	We request you to kindly amend clause term "Registered offices by way of Joint ventures," for OEM'S on the following Justifications. 1. This particular term doesn't completely serve the purpose of participation of good OEM's, As this term doesn't assess the strength of OEM's, Besides it gives big opportunity for Cartel business if this clause is not deleted, only few brands will participate in tender. Request you to kindly consider IHS report for CCTV system OEM's for participations. 2. This clause is also against the future vision of our Honorable Prime Minister of "MAKE IN INDIA" initiative, wherein most of the company's manufacturing in India are present in the form of joint venture or in some other form of technology partnership with the top principal OEMs of the world. So on one hand, we are encouraging the top electronic manufacturer to invest in India, on the other hand, with such clause, and we are disallowing the same top companies. 3. Besides the above there is no such criteria from central procurement organization (CPO) and director general of stores & purchase (DSP) to restricted OEM having joint venture Hence we request you to kindly delete term " Joint Venture" for benefit of the project and add "Brands listed in IHS report will be permitted for CCTV Equipments" to have world class OEM's participation in tender.	No Change
335	12/2.3 Eligibility criteria; OEM	To be added	Installation Base- Should have installed minimum 4000 No., 2MP cameras in India comprising of the following camera type: - Box Type - PTZ Type	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
336	12/2.3 Eligibility criteria; OEM	To be added	Products quoted should be of international repute & OEM enlisted in the IHS report. Any of the Top 10 OEMs from the latest global IHS report for Cameras and centralize VMS.	No Change
337	20/4.Technical Specifications 3.1.1.4; Storage/Recording Requirement	The system shall support storage of H.264/H.265, MJPEG or better compression formats for all IP cameras connected to the system.	There is no detailed storage calculation or storage parameter description in the tender. Is the storage BOQ in Annexure C is according to H.264 or H.265 compression? If the bidder supplies H.265 products, still he need to propose as per the total storage qty. mentioned in Annexure C?	No Change
338	49/4.Technical Specifications 4.11; Video wall solution	Configuration - Full HD IPS LED/DLP Display, Direct LED Backlight, Display suitable for use in video wall with bezel to bezel distance not more than 3 mm	For video wall display system, LED displays with physical seam 0.14" i.e. 3.5 mm seam is ideal,doesn't affect the view on the video wall and are more cost effective. The lesser physical seam is available in DLP screens which are way more costly than the LED screens which will increase overall project cost. Thus request you to ammend bezel to bezel distance to not more than 3.5mm	No Change
339	49/4.Technical Specifications 4.11; Video wall solution	Standard Inputs - 1x Digital DVI-I ; 1x Digital DVI-D, or Higher	DVI-I is integrated and supports analog and digital signal in same connector, while DVD-D supports digital signal only. Thus, DVI-I suffices the requirement and instead of DVI-D can add requirement of 1 HDMI port as it a high definition media input and it support audio-video signal in conjunction unlike DVI which doesn't support Audio. HDMI is widely used media connectors, thus request you to ammend the requirement to 1x Digital DVI-I ; 1x HDMI, or Higher	Please Refer Revised RFP Document
340	50/4.Technical Specifications 4.11; Video wall solution	Video Distributor, Display controller to control Video wall in a matrix as per requirement with necessary software: Processor specs: Quad core 64-bit, 3.4 GHz CPU or latest RAM: 8 GB DDR3/4 minimum HDD: Min 500 GB Hard Disk (Hard disk Capacity should be upgradable) Network support: Gigabit Ethernet Controller inbuilt, Support for Add on Network adapters. Videowall Display: Display multiple source windows in any size, anywhere on the wall Accessories: DVD-R,DVD+RW, Keyboard, mouse OS Support: 64-bit Operating Systems Windows / Linux or equivalent	The display controller specification mentioned in tender seems to be a server. Market has standalone controllers which can control display on Video wall. These standalone controllers are more cost effective. Bidder should have provision to select between standalone video wall controllers or these server based video wall controllers as per his design of the solution to match the functional requirement of tender. While software would be modular part of VMS itself, thus no separte server required for it.	The Technical specifications mentioned in the RFP are the minimum required Specifications and the bidder is free to propose the equipment's with better features/capabilities in order to meet the functional outcome asked under the project
341	51/4.Technical Specifications 4.14 Indoor Fixed Dome Cameras with PoE S/N-7	Video Compression-H.264 and Motion JPEG	H.264 is the old video compression technology, whereas, H.265 is the latest video compression technology. This compression technology which is being used by many leading brands and helps to reduce the bandwidth and storage consumption. Thus, reducing the load over network and storage complexity. Thus will be more <u>economical solution</u> . Thus, kindly make it <u>mandatory</u> for the quoting <u>H.265 compatible for the Fixed Camera</u>	Please refer Revised RFP
342	51/4.Technical Specifications 4.14 Indoor Fixed Dome Cameras with PoE S/N-14	Camera should supplied with 32GB Micro SD/SDHC for recording to be added;	As the project includes Megapixels IP cameras & extended days of recording,requesting to ammend <u>SD storage to 128GB</u> considering more storage capability.	No Change
343	51/4.Technical Specifications 4.14 Indoor Fixed Dome Cameras with PoE	To be added	It is recommended to have only branded and certified products for smooth functionality and better operational life. Thus few international certification which are popular across the globe are UL/EN, FCC and CE. Thus, it is <u>mandatory</u> that the <u>quoted/proposed models</u> should have <u>EN/CE, FCC and UL certificate</u> .	Please Refer Revised RFP Document
344	52/4.Technical Specifications 4.15 Camera Type A (Box Cameras for ANPR, RLVD, Speed Detection) S/N 7	Codec-H.264/H.265,MJPEG or better, Audio Compression: G.711	H.264 is the old video compression technology, whereas, H.265 is the latest video compression technology. This compression technology which is being used by many leading brands and helps to reduce the bandwidth and storage consumption. Thus, reducing the load over network and storage complexity. Thus will be more <u>economical solution</u> . Thus, kindly make it <u>mandatory</u> for the quoting <u>H.265 compatible for the Box Camera</u>	Please refer Revised RFP
345	52/4.Technical Specifications 4.15 Camera Type A (Box Cameras for ANPR, RLVD, Speed Detection) S/N 12	WDR-True WDR 100 dB or better	Considering outdoor surveillance application, it is advisable to use cameras with minimum 120dB WDR(Wide Dynamic Range) to avoid dark image of the object which is obtained under the influence of strong light source in the background . So, we request to add requirement of <u>'120dB Sensor based WDR (Wide Dynamic Range)'</u> to the <u>Box Camera</u> .	No Change
346	52/4.Technical Specifications 4.15 Camera Type A (Box Cameras for ANPR, RLVD, Speed Detection) S/N 23	Certifications-CE, FCC, EN/UL	CE and EN certificate are equivalent ,which are European standard certificates,declares that the product complies with the essential requirements of the relevant European health, safety and environmental protection legislation whereas UL is globally accepted standard which defines the safety of the product. Thus request you to ammend the <u>Certifications to UL,CE/EN,FCC</u> .	Please Refer Revised RFP Document

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
347	52/4.Technical Specifications 4.15 Camera Type A (Box Cameras for ANPR, RLVD, Speed Detection) S/N 24	Local Storage (memory card of Min 32 GB to be included) to be added;	As the project includes Megapixels IP cameras & extended days of recording,requesting to ammend <u>SD storage</u> to <u>128GB</u> considering more storage.	No Change
348	53/4.Technical Specifications 4.16 Camera Type B (Box Camera for Surveillance) S/N 7	Codec-H.264/H.265,MJPEG or better, Audio Compression: G.711	H.264 is the old video compression technology, whereas, H.265 is the latest video compression technology. This compression technology which is being used by many leading brands and helps to reduce the bandwidth and storage consumption. Thus, reducing the load over network and storage complexity. Thus will be more <u>economical solution</u> . Thus, kindly make it <u>mandatory</u> for the quoting <u>H.265 compatible for the Box Camera</u>	Please Refer Revised RFP Document
349	53/4.Technical Specifications 4.16 Camera Type B (Box Camera for Surveillance) S/N 11	IR illuminator-External Illuminator with visibility should be at least 50m.Illumination (Color & b/w) should be sufficient to capture Objects/Faces at night time when there is not sufficient illumination at site.	The IR illuminator requirement Type should be internal . IR illuminator inbuilt in camera is associated with camera lens and angle thus providing aligned video image. Inbuilt type of IR illuminator reduces the installation and maintainance cost. It also decreases the BOM. In case of physically tampering, if IR illuminator angle changes, then the video of the camera after min. illumination would be completely black as there wouldn't be any source of IR. Thus ammed IR illuminator to Internal.	No Change
350	53/4.Technical Specifications 4.16 Camera Type B (Box Camera for Surveillance) S/N 13	WDR-True WDR 100 dB or better	Considering outdoor surveillance application, it is advisable to use cameras with minimum 120dB WDR(Wide Dynamic Range) to avoid dark image of the object which is obtained under the influence of strong light source in the background . So, we request to add requirement of ' <u>120dB Sensor based WDR (Wide Dynamic Range)</u> ' to the <u>Box Camera</u> .	No Change
351	53/4.Technical Specifications 4.16 Camera Type B (Box Camera for Surveillance) S/N 25	Local Storage (memory card of Min 32 GB to be included) to be added;	As the project includes Megapixels IP cameras & extended days of recording,requesting to ammend <u>SD storage</u> to <u>128GB</u> considering more storage.	No Change
352	54/4.Technical Specifications 4.16 Camera Type B (Box Camera for Surveillance) S/N 24	Certifications-CE, FCC, EN/UL	CE and EN certificate are equivalent ,which are European standard certificates,declares that the product complies with the essential requirements of the relevant European health, safety and environmental protection legislation whereas UL is globally accepted standard which defines the safety of the product. Thus request you to ammend the <u>Certifications</u> to <u>UL,CE/EN,FCC</u> .	Please Refer Revised RFP Document
353	54/4.Technical Specifications 4.17 Camera Type C: PTZ S/N 8	WDR-True WDR 100 dB or better	Considering outdoor surveillance application, it is advisable to use cameras with minimum 120dB WDR(Wide Dynamic Range) to avoid dark image of the object which is obtained under the influence of strong light source in the background . So, we request to add requirement of ' <u>120dB Sensor based WDR (Wide Dynamic Range)</u> ' to the <u>PTZ Camera</u> .	No Change
354	54/4.Technical Specifications 4.17 Camera Type C: PTZ S/N 10	Focal Length-5.2 to 104mm	20x PTZ corresponds to 4.7-94mm followed by major PTZ OEM in the market. Thus, request you to ammend the <u>Focal length</u> to <u>4.7 to 94mm</u> .	Please refer Sr. 152
355	54/4.Technical Specifications 4.17 Camera Type C: PTZ S/N 16	Compression-H.265/H.264/MPEJ	H.264 is the old video compression technology, whereas, H.265 is the latest video compression technology. This compression technology which is being used by many leading brands and helps to reduce the bandwidth and storage consumption. Thus, reducing the load over network and storage complexity. Thus will be more <u>economical solution</u> . Thus, kindly make it <u>mandatory</u> for the quoting <u>H.265 compatible for the PTZ Camera</u>	Please Refer Revised RFP Document
356	54/4.Technical Specifications 4.17 Camera Type C: PTZ S/N 30	Local Storage (memory card of Min 32 GB to be included) to be added;	As the project includes Megapixels IP cameras & extended days of recording,requesting to ammend <u>SD storage</u> to <u>128GB</u> considering more storage.	No Change
357	56/4.Technical Specifications 4.17 Camera Type C: PTZ S/N 31	Certifications-CE, FCC, EN/UL	CE and EN certificate are equivalent ,which are European standard certificates,declares that the product complies with the essential requirements of the relevant European health, safety and environmental protection legislation whereas UL is globally accepted standard which defines the safety of the product. Thus request you to ammend the <u>Certifications</u> to <u>UL,CE/EN,FCC</u> .	Please Refer Revised RFP Document
358	56/4.Technical Specifications 4.20 IR Illuminator	To be added	The IR illuminator requirement Type should be external/internal for normal surveillance and External for ANPR/RLVD/Speed detection. IR illuminator inbuilt in camera is associated with camera lens and angle thus providing aligned video image. Inbuilt type of IR illuminator reduces the installation and maintainance cost. It also decreases the BOM. In case of physically tampering, if IR illuminator angle changes, then the video of the camera after min. illumination would be completely black as there wouldn't be any source of IR. Thus let bidder decide whether to provide <u>IR illuminator internal or external for normal surveillance and external for ANPR/RLVD/Speed detection</u> .	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
359	56/4. Technical Specifications 4.20 IR Illuminator S/N 7	Certification-CE, FCC, EN/UL	It is recommended to have only branded and certified products for smooth functionality and better operational life. Thus few international certification which are popular across the globe are UL, FCC /CE, EAC for the housing of Fixed Box Camera. Thus, it is <u>mandatory</u> that the <u>quoted/proposed models</u> should have <u>EAC,CE/FCC and UL certificate</u> .	Please Refer Revised RFP Document
360	64/4. Technical Specifications 4.35, Access controller system	Biometric Finger Scan Reader: Should be configured as a Reader – Enroller, Enroller Only & Reader Only (All three are mandatory)	For the security, don't suggest the Reader can be configured into an Enroller; So we suggest using the separate Reader and Enroller.	No Change
361	65/4. Technical Specifications 4.35, Access controller system	Controller: Card Reader Power: 5V DC	suggest support 5V DC or 12V DC;	Please Refer Revised RFP Document
362	65/4. Technical Specifications 4.35, Access controller system	Controller: Wiring Distance: 150 meters (Wiegand)	Wiegand is simplex and it can only transmit 100m at max, it is not suitable in a long transmission distance; So we suggest the controller to support the RS485 communication; For different distance, we can choose to use RS485 or use Wiegand;	No Change
363	65/4. Technical Specifications 4.35, Access controller system	Access Control Software: Compatibility with MYSQL / SQL / ORACLE	Suggest to Compatibility with MYSQL / SQL / ORACLE / PostgreSQL;	No Change
364	65/4. Technical Specifications 4.35, Access controller system	Access Control Software: Support for unlimited number of Card Database & Transactions	Unlimited is not measurable, suggest the supporting the number of the Card is no less than 10000;	No Change
365	68/4. Technical Specifications 4.40 Storage (for Video's) S/N 1	Storage solution should comprise of Active-Active Load Balancing Storage Controllers with 64GB Cache from day one and the storage solution should be scalable up to 128GB Cache without replacing existing Controllers	1) In active/active mode, bandwidth and storage consumption is double the actual requirement 2) Power consumption increases drastically 3) The storage can be protected by using RAID 5/6/10 configuration which is std used in the market. 4) In case of active/passive mode, only 1 controller is active while other is in ideal mode only checking the heart beat of 1st controller, thus decreasing the power consumption. The 2nd controller turns in active mode and takes over the function only when the heart beat is missed thus providing no single point failure operation functionality. Suggest to amend this requirement as <u>'Storage Solution should comprise of Active/Passive mode'</u> .	Please Refer Revised RFP Document
366	68/4. Technical Specifications 4.40 Storage (for Video's) S/N	To be added	ANR (Automatic Network Replenishment) feature is best feature to obtain or retrieve all the videos irrespective of network failover. Wherein, during the time of network failover, the recording will be done in SD Card available inside the camera. As soon as the network will be active, the storage will pull all the data missing. Thus we strongly request to add the <u>Feature of Auto network replenishment in Storage</u> .	No Change
367	12/2.3 > Eligibility Criteria >9 a	OEMs for networking devices at aggregation layer and data centre layer should be one of the top five from the GARTNER list of top five companies for data centre networking	OEMs for networking devices at aggregation layer and data centre layer should be from companies featuring in Gartner magic quadrant for data centre networking in leaders or challengers position. specify magic quadrant to avoid ambiguity	Please Refer Revised RFP Document
368	12/2.3 > Eligibility Criteria >9 c	OEM for storage and servers should be from companies featuring in Gartner magic quadrant in leadership position.	OEM for storage and servers should be from companies featuring in Gartner magic quadrant in leaders or challengers position. Please change to leader or challenger to allow leading OEMs to participate in the RFP	No Change
369	59/4.25 Managed Outdoor L2 Switch, PoE with Fibre Port > Point 14	Temperature: Ambient temperature range of 0 ° C to 55 ° C. The bidder has to take into consideration of the internal temperature adjustment of the junction box	Ambient temperature should be -40 °C to 75 °C. For outdoor harsh environment higher temperature support is required. For outdoor products, this is the standard temperature rating.	No Change
370	58/4.25 Managed Outdoor L2 Switch, PoE with Fibre Port > Point 1	Minimum 8 No's of 10/100/1000 Base-Tx PoE ports (Duplex, Full, Half) and 2 x 1G SFP Uplink port.	Minimum 8 ports of 10/100/1000 Base Tx PoE+ ports supporting power budget of minimum 240 Watt and 2x 1GE SFP uplink port In city wide networks fiber backbone will be used for long distance uplink connectivity. Most Cameras require at least 22 W or higher to operate in High resolution mode with clarity for detailed analytics. This can only be met with PoE+ standard of 30 Watt per port delivery. For 8 port switch to support 30 watt simultaneously the required power budget should be minimum 8 x 30 W = 240 W	Please refer Sr. 25
371	58/4.25 Managed Outdoor L2 Switch, PoE with Fibre Port > Point 5	Should have IGMP snooping v1,2 & 3 supporting min 100 multicast groups	Switch should support minimum 1K Multicast group In a IP surveillance, each camera is a multicast source which consumes at least 2x hardware entries. In a ring the multicast sources gets cascaded which demands high number of multicast group support in hardware for efficient streaming of surveillance Data. If the switch does not have enough SGV entries then the entire data gets handled by the CPU which results in packets drops, sluggish networks and high latency. In smart city environments since there could be multiple utilities running in same ring it is highly recommended to ensure scalability of multicast group support per switch	Please refer Sr. No. 26
372	4.25 Managed Outdoor L2 Switch, PoE with Fibre Port	additional	Switch should support IP 30 rating IP 30 rating ensures protection of electronic circuitry from Falling Dirt and accidental contact with tools / equipment. This is highly recommended in outdoor / city environment where skilled/trained workforce is always an issue.	Please refer Sr. No. 27

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
373	59/4.25 Managed Outdoor L2 Switch, PoE with Fibre Port>Point 13	Duplicate address detection (DAD)	Pls remove this feature DAD feature is used with IPV6 which is not the protocol of choice over the internet and we have long way before it is adopted. Configuring and managing IPV6 requires highly skilled engineers which adds to the overall cost.	Please refer Sr. No. 28
374	66/4.37 SLB for CCC	Device should provide 4x10G ports scalable to additional 4x10G ports	Device should provide 2x10G ports & 4xGE ports & scalable to additional 2x10G ports Just for 10G SLB throughput, asked values are on higher side. Request you to consider said interfaces so that better sizing unit with required performance can be quoted	Please Refer Revised RFP Document
375	66/4.37 SLB for CCC	Should support multiple instances having dedicated CPU, memory, SSL & I/O for guaranteed performance.	Should support multiple instances & allocate resources automatically for guaranteed performance. Assigning manual resources is not a good option as sometimes it happens like few resources are ideal due to low traffic. Resources must be managed centrally & it will be allocated automatically so whatever resources required at specific time can be assigned.	Please Refer Revised RFP Document
376	67/4.38 SLB for Distrit	Should support multiple instances having dedicated CPU, memory, SSL & I/O for guaranteed performance.	Should support multiple instances & allocate resources automatically for guaranteed performance. Assigning manual resources is not a good option as sometimes it happens like few resources are ideal due to low traffic. Resources must be managed centrally & it will be allocated automatically so whatever resources required at specific time can be assigned.	Please Refer Revised RFP Document
377	12/9 Eligibility creteria	Is Gartner/IDC is asked for SLB?	Clarification required As there are networking & DC gartner report mentioned so just want to clarify on SLB part.	Please refer Revised RFP Document
378	21/3.1.1.4 >Mobile application should allow MAC/IMEI No. binding, role based user access over secured VPN client on users mobile/smart phone.	Server Load Balancer specifications for Central CCC Server Load Balancer for District/City Control Centre	Server Load Balancer appliance should support user authentication and restrict user access based on Hard disk ID, MAC ID and CPU ID combinations and custom smartphone checks. RFP has asked the bidders to develop a mobile application and support for MAC/IMEI No. binding and role based user access on mobile/smart phone while accessing the mobile application. Server Load Balancer devices can support role based access of end users and restrict user access based on MAC/IMEI No. hence we suggest to include this point in the Server Load Balancer Specifications	Please Refer Revised RFP Document
379	66/4.37 & 4.38 >Server Load Balancer for Central CCC Server Load Balancer for District/City Control Centre	Should support Global Server Load balancing	Server Load Balancer should support full DNS bind function & Capable of handling complete DNS bind records including A,MX, AAAA etc. Full DNS bind support is required to add MX and CNAME record and to get fullfledged GSLB functionality	Please Refer Revised RFP Document
380	66/4.38 >Server Load Balancer for District/City Control Centre	Device should provide 4x1G ports scalable to additional 4x1G ports	Device should provide 2x1G ports scalable to additional 2x1G ports We can create Multiple sub-interfaces on single physical interface hence maximum two 1G Interfaces would be sufficient for SLB deployment at District / City center, hence request you to change this poin	Please Refer Revised RFP Document
381	67/4.39 >Storage (For Applications)	Storage solution should comprise of Active-Active Load Balancing Storage Controllers with 64GB Cache from day one and the storage solution should be scalable up to 128GB Cache without replacing existing Controllers	Storage solution should comprise of Active-Active Load Balancing Storage Controllers with 4GB Cache from day one Kindly Reduce the Cache requirement to 4 GB, As in case of Surveillance Storage , Cache does not play major role due to the continous data Recording. High Cache puts the high Cost implications to the Storage.	Please Refer Revised RFP Document
382	67/4.39 >Storage (For Applications)	Front End: Minimum 8 x 10Gbps FC/FCoE ports for host connectivity scalable to 16 ports	Front End: Minimum 4 x 10Gbps FC/FCoE ports for host connectivity Kindly reduce the Interface ports to 4 x 10 Gbps FC/ iSCSI ports.	Please Refer Revised RFP Document
383	68/4.38 >Storage (for Video's)	Storage solution should comprise of Active-Active Load Balancing Storage Controllers with 64GB Cache from day one and the storage solution should be scalable up to 128GB Cache without replacing existing Controllers	Storage solution should comprise of Active-Active Load Balancing Storage Controllers with 4GB Cache from day one Kindly Reduce the Cache requirment from 64 Gb to 4 Gb , as in case of Continous Video Data writing on Disk Storage, Cache does not add any value & become useless. Hence requesting you to pls reduce it to 4 GB and no need to have scalability for Cache. It just adds a cost implecation nothing else.	Please Refer Revised RFP Document
384	56/4.21.1>Internet Router	Router should support capacity of minimum 5 Gbps.	Router Should support capacity of Minimum 10Gbps Since the interface asked is 4x1G and scalable to additional 4X1G, the device should have minimum capacity of 10Gbps to operate at wirespeed	Please Refer Revised RFP Document
385	56/4.21.7>Internet Router	The router should be supplied with the following: - 4x1G Interfaces and should be scalable to additional 4x1G ports in future.ports in future.	Pls suggest type of Interfaces required whether 1G Base-T, 1G SR, 1G LR etc. Type of interfaces will help for arriving at correct BOM	Please Refer Revised RFP Document
386	56/4.21.8> Internet Router	Router should have redundant data and control plane for non-stop forwarding and routing	Router should have redundant control plane for non-stop forwarding and routing Control Plane redundancy alone will help uninterrupted functioning (nonstop forwarding and routing) of router in case of any controller card failure, dataplane redundancy is not desired considering the low port density asked (8 ports considering future requirement) this will unnecessarily force for bigger chassis	Please Refer Revised RFP Document
387	56/4.21>Internet Router	New Request	The Router should support 1M IPv4 and 1M IPv6 prefixes or more Current Internet routable table has 6 to 7 Lacs prefixes, request to consider this point as this will ensure SASGUJ project does not have any challenge in future when they peer with multiple ISP.	Please Refer Revised RFP Document
388	56/4.21>Internet Router	New Request	Router should support 12k GRE tunnel or more GRE tunnels si one of the parameter to decide the capacity of router, GRE/VPN tunnels will be required for connecting other government offices over internet and also for Mitigating DDOS attacks etc. request to consider this point	Please Refer Revised RFP Document

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
389	56/4.22.2>Router	Router Capacity and port details as per annexure C	The router capacity for CCC and District category routers is under sized considering the number of interfaces asked. Since Interfaces asked for each location are somewhere between 6x10G to 8x10G (considering future scale), the router capacity has to be somewhere between 50 to 80Gbps. Request to kindly consider this change in Annexure C. The router capacity for CCC and District category routers is under sized considering the number of interfaces asked. Since Interfaces asked for each location are somewhere between 6x10G to 8x10G (considering future scale), the router capacity has to be somewhere between 50 to 80Gbps. Request to kindly consider this change in Annexure C	Please Refer Revised Annexure C
390	56/4.22.2>Router	Router Capacity and port details as per annexure C	Pls suggest type of Interfaces required for 10G and 1G, whether 10G-SR/LR 1G Base-T/SR/LR. Type of interfaces will help for arriving at correct BOM	Please Refer Revised Annexure C
391	56/4.22.3>Router	Router should support 4000 MAC addresses or more.	Router should support 100k MAC, 1M Ipv4/Ipv6 prefix, 12k GRE Tunnels or More MAC address is a parameter generally used to decide the capacity of switches, for routers the parameter must be No of Ipv4/v6 Prexies supported, GRE/IPsec tunnels supported, IPsec Tunnel supported etc.	This is the minimum mentioned Specification, the bidder is free to proposed better or higher features as a part of its proposed solution
392	57/4.22.18>Router	Router should have redundant data and control plane for non stop forwarding and routing	Router should have redundant control plane for non stop forwarding and routing Control Plane redundancy alone will help uninterrupted functioning (nonstop forwarding and routing) of router in case of any controller card failure, dataplane redundancy is not desired considering the low port density asked (8 ports considering future requirement) this will unnecessarily force for Bigger Routers	Please Refer Revised RFP Document
393	56/4.22.18>Router	Router should have redundant data and control plane for non stop forwarding and routing	Please exclude this for City Category 1 and 2 Routers City Category 1 and 2 routers are 1 and 2 Gbps router, request to exclude them from control and data plane redundancy	Please Refer Revised RFP Document
394	57/4.22>Router	New Request	Kindly create new section for city category routers Pls create separate section for City Category Routers as there is a vast difference between the performance requirement between a CCC/district category router and city category router.	Please Refer Revised RFP Document
395	57/4.23.1>Managed L3 Switch	Port Details (Duplex: Full, Half) and minimum switching capacity : As per Annexure C	The Switching capacity is under sized considering the number of interfaces asked. Since Interfaces asked for each location are somewhere between 8x10G + 10x1G, the switching capacity has to be somewhere between 200Gbps (Full Duplex) or more. Request to kindly consider this change in Annexure C. The Switching capacity is under sized considering the number of interfaces asked. Since Interfaces asked for each location are somewhere between 8x10G + 10x1G, the switching capacity has to be somewhere between 200Gbps (Full Duplex) or more. Request to kindly consider this change in Annexure C	Please Refer Revised Annexure C
396	57/4.23.1>Managed L3 Switch	Port Details (Duplex: Full, Half) and minimum switching capacity : As per Annexure C	Pls suggest type of Interfaces required for 10G and 1G, whether 10G-SR/LR 1G Base-T/SR/LR. Type of interfaces will help for arriving at correct BOM	Please Refer Revised Annexure C
397	57/4.23.4>Managed L3 Switch	Should support minimum 8000 MAC address entries	Should support minimum 32000 MAC address entries Along with MAC, the other main parameter to determine a core/L3 Switch capability is number of ARP and routing prefixes supported. request to kindly consider 100K Ipv4 prefix, 50K Ipv6 prefix, 40k ARP entries	This is the minimum mentioned Specification, the bidder is free to proposed better or higher features as a part of its proposed solution
398	57/4.23>Managed L3 Switch	New Request	Should support Minimum 100K Ipv4 prefix, 50K Ipv6 prefix, 40k ARP entries Along with MAC, the other main parameter to determine a core/L3 Switch capability is number of ARP and routing prefixes supported. request to kindly consider 100K Ipv4 prefix, 50K Ipv6 prefix, 40k ARP entries	No Change
399	58/4.24.1>Managed L2 Switch	Port Details (Duplex: Full, Half) and minimum switching capacity : As per Annexure C	The Switching capacity is under sized considering the number of interfaces asked. For a 48port switch with 4X10G uplink the switchinig capacity should be 176Gbps(Full Duplex) and for a 24port switch with 4x10G, the switching capacity should be 80Gbps (Full Duplex) or more. Request to kindly consider this change in Annexure C. The Switching capacity is under sized considering the number of interfaces asked. For a 48port switch with 4X10G uplink the switchinig capacity should be 176Gbps(Full Duplex) and for a 24port switch with 4x10G, the switching capacity should be 80Gbps (Full Duplex) or more. Request to kindly consider this change in Annexure C	Please Refer Revised Annexure C
400	61/4.24.4>Managed L2 Switch	Should support minimum 4000 MAC address entries	Should support minimum 16000 MAC address entries 4000 Mac addresses is very a low number and can be fulfilled by any L2 unmanaged switches, request to kindly consider 16000 mac address entries.	This is the minimum mentioned Specification, the bidder is free to proposed better or higher features as a part of its proposed solution
401	61/4.31.2>Firewall For DCC	Minimum firewall throughput and port details : As per Annexure C	All Firewall vendors publish throughput for Large packet, IMIX and Small packet there is a lot of diference between each of them. IMIX throughput is more realist comapred to large packets. Kindly mention the firewall throughput in IMIX for all district category firewalls. All Firewall vendors publish throughput for Large packet, IMIX and Small packet there is a lot of diference between each of them. IMIX throughput is more realist comapred to large packets. Kindly mention the firewall throughput in IMIX for all district category firewalls.	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
402	61/4.31.2>Firewall For DCC	Minimum firewall throughput and port details : As per Annexure C	Please mention throughput required with all required features turned ON. Please mention throughput required with all required features turned ON.	Please Refer Revised Annexure C
403	61/4.31.2>Firewall For DCC	Device must have support for IPSec, VPN & SSL VPN with 500 users support from Day1 in any kind of mode (office/routed/tunnel/web, etc) & must have capacity to expand up to 1000 users in same unit	Device must have support for IPSec VPN or SSL VPN with 500 users support from Day1 in any kind of mode (office/routed/tunnel/web, etc) & must have capacity to expand up to 1000 users in same unit remote user connection, request to allow support for any one of the functionality	Please Refer Revised RFP Document
404	61/4.31.3>Firewall For DCC	Device should have nimum firewall throughput of 20Gbps	Device should have nimum firewall throughput of 20Gbps IMIX All Firewall vendors publish throughput for Large packet, IMIX and Small packet there is a lot of difference between each of them. IMIX throughput is more realist comapred to large packets. Kindly mention the firewall throughput in IMIX for all district category firewalls.	Please Refer Revised Annexure C
405	61/4.31.3>Firewall For DCC	Device should have minimum firewall throughput of 20Gbps	Please mention throughput required with all required features turned ON. Please mention throughput required with all required features turned ON.	Please Refer Revised Annexure C
406	4.11/Vedio Wall	Full HD IPS LED Display, Direct LED Backlight, Display suitable for use in video wall with bezel to bezel distance not more than 3 mm	Full HD IPS LED Display, Direct LED Backlight, Display suitable for use in video wall with bezel to bezel distance not more than 2 mm. In Video-Walls, the lesser is the gap between the bezels, the better would be the viewing experience; anything more than bezel-to-bezel gap of 2 mm would be outdated. All major OEM's are having less than 2 MM Bezel to Bezel Video wall Solution & its latest product.	No Change
407	4.5 Video Analytics Application, Page 46	The software/ system should be capable to identify Unattended Objects, Baggage's, Persons, vehicles etc. through video analytics Techniques / Algorithms.	The software/ system should be capable to identify Unattended Objects, Baggage's, Persons, vehicles etc. through video analytics Techniques / Algorithms. The technology should also have a capability to stabilize and optimize the video feeds and then create a three-dimensional reconstruction from a two dimensional video image. Analytics is all about accuracy. Hence, instead of just running analytics on the feeds received as it is from VMS or Camera, it is always advisable to first optimize the image quality and then run analytics on the same. Thus the feature added here would enable the video feeds to be enhanced for significantly better analytics results	Please refer Sr. No. 65
408	4.5 Video Analytics Application, Page 46	The System Should be capable to do the analytics on Live Video Cameras as well as Stored Video records from such cameras	The System Should be capable to do the analytics on Live Video Cameras as well as Stored Video records from such cameras. The video analytics software system should be comprised of distinct analytical engine for each of the analytics features / modules being asked for, in the solution. Running multiple analytics on a single analytical engine results in compromised analytical performance and effectiveness of the result since the processing power gets shared. To avoid such limitation, it is better to have an efficient system with multiple analytics engine running simultaneously for distinct analytics modules for more accurate analytical results	Please refer Sr. No. 66
409	4.5 Video Analytics Application, Page 46	The applications should also be able to do People search based on a given description/ attributed / Sketch / Full length photograph	The applications should be able to do Live face match of more than 50 face per second as well as post incidence People search of atleast 3 million faces per second, in a face database based on a given description / attributed / Sketch / Full length photograph. This feature change will ensure high speed and high accuracy live facial recognition at critical locations as well as post incidence search with significantly high performance search from a large set of videos / pictures accumulated for a given incidence. This is because Post incidence video feeds results in huge database size to be analysed to narrow down the search aspects in a relatively smaller time frame and thus faster search capability would ensure faster result.	Please refer Sr. No. 67
410	4.5 Video Analytics Application, Page 46	Should have an interface to Create sketches, Composite (Human like Figure) of the suspect based on description. There Shall be different options available for describing hair color and style, Facial Attributes, shirts, trousers, patterns, etc.	Should have an interface to integrate third party technologies to Create sketches, Composite (Human like Figure) of the suspect based on description. There Shall be different options available for describing hair color and style, Facial Attributes, shirts, trousers, patterns, ageing factors, etc. All Analytics technologies may not have this feature as standard built-in and hence should have atleast provision to integrate third party solutions to provide the desired functionality	Please refer Sr. No. 68
411	4.5 Video Analytics Application, Page 46	Able to produce reliable analytics at lower resolutions like 4CIF resolution in order to save the computation	Able to produce reliable analytics at lower resolutions, bad light and bad weather conditions through application of environmental filters as well as image stabilization and optimization on all video feeds and should use particles analytics and not just pixel movement to distinguish between animals, and moving backgrounds (shadows etc.) The efficiency of analytics is dependent on the picture quality / resolution etc. captured by cameras/ VMS and hence should have functionality to optimize the poor video feeds and then run analytics on them for enhanced outputs. Also the system should have the distinguishing capabilities to avoid false alarms due to animals, shadow etc.	Please refer Sr. No. 69

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
412	4.5 Video Analytics Application, Page 46	New Clause	The analytics software system shall also provide other video analytics functionalities / modules as follows: These analytics features are required to enhance public safety against eventualities. Video Enhancer: This analytics feature would ensure that in case of capture of bad videos due to bad weather conditions, camera movement etc. the quality of the video is enhanced to ensure better analytics results Fight Detector: Fight detector would raise alarm during any street fights or attacks etc. based on irregular movement detections People Counter, Queue detector, People / Mass movement :People counter is significant at locations such as halls or closed area to enable rescue operations by identifying how many persons have gone in versus how many have come out. Noise level detection (gunshot, explosion, shattering of glass etc.) This analytics feature would ensure that alarms are raised in situations arising out of unwanted noises that can further result in safety issues Vandalism and tamper detection : Vandalism and tamper detection analytics would raise alarms if the camera detects movements resulting in attack / destruction of public properties et	Please refer Sr. No. 70
413	4.5 Video Analytics Application, Page 46	New Clause	Video analytics shall be capable of pixelization, colorization or blur in real-time for privacy-protected video monitoring for public places and certified for highest global standards such as European Privacy Seal This would ensure that the Analytics application complies to global standards and adhere to evolving requirements such as protection of privacy of captured public images to avoid any misuse.	Please refer Sr. No. 71
414	4.11 Video Wall Solution, Page 49 1. Configuration	Full HD IPS LED Display, Direct LED Backlight, Display suitable for use in video wall with bezel to bezel distance not more than 4mm	RGB Laser single chip rear-projection technology Display suitable for use in video wall with bezel to bezel distance not more than 0.1 mm (No Gap Video Wall) Min. 100,000 hours of rated life for the video wall as it is expected to be operational 24x7 Considering the Video Wall to be viewed by Ministers & very senior officials apart from the operators, the requested change will ensure state of the art solution without any impact of environmental (daylight) lighting conditions and a seamless video wall with absolutely no gaps visible by naked eyes, while projecting large videos, maps etc. Also from an investment protection perspective, no one would like to replace the video wall modules frequently and hence it is important that the video wall have longer life, which is around 10 Years of operations with the added specification, while the Video Wall is expected to be operational 24 x 7.	Please refer Sr. No. 72
415	4.11 Video Wall Solution, Page 49 4. Contrast Ratio	2000 :1 or better	5000:1 or better Is in line with Ahmedabad Smart City Specs. Ensures better video quality	Please refer Sr. No. 73
416	4.11 Video Wall Solution, Page 49 5. Brightness	500 Cd/m2 or better	1000 Cd/m2 or better with Uniformity of 95% s in line with Ahmedabad Smart City Specs. Ensures better video quality projected uniformly across all the units forming a single video wall	Please refer Sr. No. 74
417	4.11 Video Wall Solution, Page 49 6. Refresh Rate	>120Hz	>800 Hz Is in line with Ahmedabad Smart City Specs. Ensures better performance	Please refer Sr. No. 75
418	4.11 Video Wall Solution, Page 49 8. Viewing Angle	160 degrees	H : 178°, V : 178° or better Is in line with Ahmedabad Smart City Specs. Ensures better viewing	Please refer Sr. No. 76
419	4.11 Video Wall Solution, Page 49 10. Standard Outputs	1x Digital DVI-D ; 1x CVBS BNC	1x Digital DVI-D ; 1x CVBS BNC, 2 X HDMI Is in line with Ahmedabad Smart City Specs. Ensures latest / better throughput interface	Please refer Sr. No. 77
420	4.11 Video Wall Solution, Page 49 11. Control	RS-232/RS-422/IR	RS-232/RS-422/IR or any industry standard only Certain Video Walls supports RS-232 and hence the request for change	Please refer Sr. No. 78
421	4.11 Video Wall Solution, Page 49 12. Consumption	Not more than 4000 Watt	Not more than 2000 Watt Lower power consumption would save on electricity bills as well as reduce the heating up of the video wall components	Please refer Sr. No. 79
422	4.11 Video Wall Solution, Page 49 16. Cables & Accessories	Dual Link DVI-D cable, power cable for daisy chain, AC cable, IR Remote Controller	Dual Link DVI-D cable, power cable for daisy chain, AC cable, Remote Controller, On Screen Display (OSD) Provides ease of management of the video wall. Further IR has distance & direction (pointing) limitation and it is better to have the control through the designated consoles which are already part of the solution	Please refer Sr. No. 80
423	4.11 Video Wall Solution, Page 50 17. Display Controller	HDD: Min 500 GB Hard Disk (Hard disk Capacity should be upgradable)	HDD: Min 2 x 500 GB (in RAID 1) Hard Disk (Hard disk Capacity should be upgradable) RAID will ensure that no data is lost that is being stored in the Hard Disks	Please refer Sr. No. 81

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
424	4.11 Video Wall Solution, Page 50 Integration & Certification	New Clause	Video Wall Display, Video Wall Controller and Video Wall Management Software should be from the same OEM and serve as an integrated Video Wall solution and should be certified by the OEM of the Command Control Centre (CCC) and Video Management System Applications for a seamless view This feature will ensure seamless functioning and ease of operations and management since all the components from same OEM shall be tightly coupled / integrated and tested to deliver proven outputs. Also certification from the CCC & VMS OEMs shall ensure that the projections of the maps / video feeds etc. on the video wall are better controlled while toggling between various views.	Please refer Sr. No. 82
425	4.34 Enterprise Management System, Page 63	New Clause	Proposed solution should provide integrated performance management view as a part of deliverable which adds critical end device, end user desktop, application, network & Server infrastructure, bandwidth data and analysis. This would ensure complete end-to-end performance management of surveillance equipment and network with ease trouble shooting in case of drop in video quality, jitters etc.	Please refer Sr. No. 83
426	4.34 Enterprise Management System, Page 63	New Clause	Integrated display from dashboard view to packet capture-based root-cause analysis, "Single Click" integration from high-level monitoring to in-depth analysis, Correlated performance data from the individual components and Deep integration with other data sources including Network flow, packet, SNMP, WMI, synthetic testing, end user device. This feature would help in SLA management with single view across all the equipment and network engaged in proving the video/audio feeds	Please refer Sr. No. 84
427	4.34 Enterprise Management System, Page 63	New Clause	Provide visibility everywhere: from the LAN, Wireless hot spot, across the WAN, and deep into the datacenter/ private cloud — across physical, virtual, and load balanced environments Provides deep insight in to all the components of the network and edge equipment for ease of operations and trouble shooting	Please refer Sr. No. 85
428	4.34 Enterprise Management System, Page 63	New Clause	Ability to take captured network data and predict response time under new conditions including changes to: Network Bandwidth (incl. asymmetric conditions), Network latency, Network congestion, TCP configuration and packet loss Enable pro-active analysis of the network to take necessary measures in improving performance and avoiding future issues	Please refer Sr. No. 86
429	4.39 Storage (For Applications) Page 67	Front End: Minimum 8 x 10Gbps FC/FCoE ports for host connectivity scalable to 16 ports	Front End: Minimum 8 x 16Gbps FC/FCoE ports for host connectivity scalable to 16 ports the industry standard Port speed is 16Gbps and is always in multiples of 8, and ensure better front end throughput. So why compromise by reducing the speed?	Please refer Sr. No. 87
430	4.39 Storage (For Applications) Page 68	The controllers / Storage nodes should be upgradable without any disruptions / downtime	The controllers / Storage nodes should be upgradable without any disruptions / downtime, <i>with the help of external storage virtualization</i> <i>This additional feature would ensure that storage can not only be upgraded but future data migrations as well are non-disruptive</i>	Please refer Sr. No. 88
431	4.40 Storage (for Video's) Page 68	The controllers / Storage nodes should be upgradable without any disruptions / downtime	The controllers / Storage nodes should be upgradable without any disruptions / downtime, <i>with the help of external storage virtualization</i> <i>This additional feature would ensure that storage can not only be upgraded but future data migrations as well are non-disruptive</i>	Please refer Sr. No. 89
432	4.40 Storage (for Video's) Page 68	The storage should have no single point of failure on components like controllers, disks, cache memory, I/O Ports, Power supply, Fan, etc.	The storage should have no single point of failure on components like controllers, disks, cache memory, I/O Ports, Power supply, Fan, etc. <i>and certified for zero data loss</i> <i>Considering the criticality of the data availability, this feature is crucial</i>	Please refer Sr. No. 90
433	4.40 Storage (for Video's) Page 68	Storage period of 30 days o Storage Capacity: As per Annexure C	Storage Array must support atleast single LUN of minimum 30 TB. Considering 30-35TB data will be generated per day from video feed. hence it will be easy to manage LUNs and to take backup and thus VMS & CCC should be Capable of writing to such single volume.	No Change
434	4.40 Storage (for Video's) Page 69	The Storage should be based on IP address and the time stamp of the feed for video data, images received from camera.	Request the clause to be removed This is specific to NAS technology while the requirement is for technology agnostic storage. Also the required feature is already taken care of by the VMS and VA software	Please refer Sr. No. 91
435	New Component 4.41 Command & Control Centre (CCC)	New Clause	Request to add the below mentioned CCC clauses Command Control Centre (CCC) provides seamless integration to multi-vendor devices and disparate systems and Single Pane of Glass for the decision makers. CCC provides real-time communication, collaboration and constructive decision making amongst different agencies by envisaging potential threats, challenges and facilitating effective response mechanisms. The CCC provides visualization of various events in real-time on an integrated platform with the means to make better decisions, anticipate problems to resolve them proactively, and coordinate resources to operate effectively. To effectively manage large amounts of critical assets and incidents, all systems must be integrated so that they can provide meaningful information. By making use of the public safety assets, both private and public and by applying analytics and visualization, CCC is the platform standard for the Safe & Smart City. In fact the CCC can be integrated with the - o Security initiatives: Dial 100, Disaster Management, Emergency response System Surveillance, CCTNS, FIR etc. o Smart IoT Initiatives : Smart Waste Management, Smart Lighting, Weather Sensors, Smart Transport / Transit management And thus there could be a City level CCC for city specific requirement and all such CCC can converge in to a State CCC for very specific information and decisions.	Please refer Sr. No. 92

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
436	New Component 4.41 Command & Control Centre (CCC)	Situational Awareness	<p>CCC will be designed to provide complete situational awareness to ensure that incident response policies are implemented without technical restrictions. It will address the need to rapidly change and adapt these security process and policies, especially when managing disparate security systems, sensors and devices. To ensure a holistic Police management system, CCC will have:</p> <ul style="list-style-type: none"> o Seamless integration to multi-vendor devices o Seamless integration into multi-vendor systems o Hybrid with option of Cloud-based and/or On-Premise solutions o Single view of incidents and events (via dashboards and role-specific graphical user interfaces). o Pre-plan process event management (via customized alarm, GUI workflow tools and response plans). o Predictive Analytics o Video Analytics o Correlation Intelligence (display cross referenced data from disparate systems) o Information management <p>Thus, the CCC will be able to provide complete situational awareness on ground, covering a set percentage of the overall surveillance cameras, readiness Status, vehicle movements, open incidents etc.</p>	Please refer Sr. 93
437	New Component 4.41 Command & Control Centre (CCC)	Decision making	The CCC will be designed to enable decision making, Planning, allocation of resources and after action review.	Please refer Sr. 94
438	New Component 4.41 Command & Control Centre (CCC)	Command Control	<p>The CCC will monitor, manage and disseminate alerts (email etc.) and information from all of the disparate video and security systems. The operations center will also conduct intelligent video analytics processing and third party data mining analysis. The CCC software will provide the following capabilities in order to support the operator.</p> <ul style="list-style-type: none"> o Alarm Management – Should be able to provide the captured image, archive and live video feed from the VMS player for the alarm that is generated by the video analytics system. o Data Mining – The system will be integrated with the data mining services that connect to CCTNS, Prisons, Courts or any similar database available from the State Government. The data mining services running at the standard will provide information on: <ul style="list-style-type: none"> - Match a suspect/criminal photograph with these databases - Match a suspected Criminal face with Video Feeds of specific camera locations or with the feed received from private or other public organisation’s video feeds 	Please refer Sr. 95
439	New Component 4.41 Command & Control Centre (CCC)	Integration	<ul style="list-style-type: none"> o Social Media Analytics : CCC should be capable to integrate open social media platforms and carry detailed cloud based social media analytics (e.g. sentiment analysis) to enable Police Department to track and monitor certain trending incident or crime (only at the central location /HQ). o Digital Evidence Management (DEM) : CCC shall provide Digital Evidence Management for critical events and incidences with provision for long term tamper proof data preservation so as to make it admissible in the court of law. System thus should be able to package related evidence documents, video clips, audio clips and create CDs or other storage media for submission to Judiciary, which can be treated evidence for legal matters. Such evidence data should be preserved in storage systems that are tamper proof with hardware WORM and self-healing in a SAIN architecture for performance based growth requirement as well as to ensure that integrity and quality of evidence is maintained as per requirements of the judiciary. Considering the criticality of this functionality, it is important that the DEM software and hardware and the CCC shall be from the same OEM to ensure fault free functioning and data integrity, and to be provisioned as a part of the solution. o Network Video Recorder (NVR) : The NVRs used as part of the community surveillance system will capture images and videos from the community surveillance cameras and the same must be accessible from the Command and Control Center. Videos relating to such physical security alert could be tagged and stored for future use. 	Please refer Sr. 96
440	New Component 4.41 Command & Control Centre (CCC)	Access & Analytics	<ul style="list-style-type: none"> o A standardized web browser based access to the complete CCC on smart phones and tablets / smart phones shall be available to the designated Police Personnel. CCC shall ensure that all the necessary access is given to these mobile users for complete role based access to all the relevant functionalities of the command centre with 2-way communication in a secure manner o The command and control is thus envisaged to help communicate, dispatch resources, coordinate response and carry out the complete incident management. o CCC application should be capable to generate data analytics based reports for use cases required by police department / other departments on need basis and hence should comprise a common big data integration and analytics tool capable of three key functionalities viz. data integration, visualization and advanced analytics (embedded analytics, business analytics, IoT analytics etc.). 	Please refer Sr. 97
441	New Component 4.41 Command & Control Centre (CCC)	Device Status and Notification	<ul style="list-style-type: none"> o Should provide icon based user interface on the GIS map to report non-functional device. o Should also provide a single tabular view to list all devices along with their availability status in real time. 	Please refer Sr. 98

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
442	New Component 4.41 Command & Control Centre (CCC)	Event Correlation	CCC Software should be able to view two or more events coming from different subsystems based on time, place, custom attribute and provide notifications to the operators. Such notifications will be triggered by the events captured in the downstream (south bound) applications that are integrated to the command center through APIs.	Please refer Sr. 99
443	New Component 4.41 Command & Control Centre (CCC)	Integrated User Specific & Customizable Dashboard	<ul style="list-style-type: none"> o Should provide integrated dashboard with an easy to navigate user interface for managing profiles, groups, message templates, communications, tracking receipts and compliance o Multi-displays configurations o Use of, GIS tool which allows ex'asy map editing for wide area monitoring o Should provide historical reports, event data & activity log. The reports can be exported to pdf or html formats. o Should provide dashboard filtering capabilities that enable end-users to dynamically filter the data in their dashboard based upon criteria, such as region, dates etc. 	Please refer Sr. 100
444	New Component 4.41 Command & Control Centre (CCC)	Standard Operating Procedures & Rule Engines	<ul style="list-style-type: none"> o Shall provide for authoring and invoking required number of configurable and customizable standard operating procedures through graphical, easy to use interface. o Standard Operating Procedures will be established and approved sets of actions to be considered for the best practices for responding to a situation or carrying out an operation. o SOP tool should have capability to display a notification window that contains an email template for the activity owner to complete, and then sends an email notification. o Should have ability to respond to real-time data with intelligent & automated decisions. o Should provide an environment for designing, developing, and deploying business rule applications and event applications. o The ability to deal with change in operational systems is directly related to the decisions that operators are able to make. o Should have at-least two complementary decision management strategies: business rules and event rules. o Should provide an integrated development environment to develop the Object Model (OM) which defines the elements and relationships. 	Please refer Sr. 101
445	New Component 4.41 Command & Control Centre (CCC)	APIs and Interfacing	<p>The CCC System must provide a comprehensive API (Application Program Interface) or SDK (Software Development's Kit) to allow interfacing and integration and is recommended to have a complete integration with the following:</p> <ol style="list-style-type: none"> 1. ONVIF compliant CCTV System from different global manufactures; 2. Biometrics; 3. GIS Mapping; 4. Emergency Call Systems (Computer Aided Dispatch); 5. SMS Gateway- Unidirectional SMS support, for Alarm notifications.; 6. Intelligent Directory Gateway – CCC shall integrate with the supplied Intelligent Directory Server.; 7. Centralized helpdesk Gateway 8. Video Wall Gateway; 9. ANPR Gateway; 10. RLVD Gateway; 11. Third party database integration Gateway 12. GPS Gateway; 13. Face Recognition Gateway for Live Face search 14. Face Recognition Gateway for post incidence Face search 15. Data Mining – Dashboard Gateway 16. Video Analytics integration 17. Private & Public VMS Integration 18. Digital Evidence Management Integration 19. Cloud based Social Media Analytics Integration 20. Integration with Intelligent Traffic Management Systems 21. Automatic Identification System (AIS) 	Please refer Sr. 102
446	56/4.21.1/Internet Router	Router should support capacity of minimum 5 Gbps.	Router Should support capacity of Minimum 10Gbps Since the interface asked is 4x1G and scalable to additional 4X1G, the device should have minimum capacity of 10Gbps to operate at wirespeed	Please Refer Revised RFP Document
447	56/4.21.7/Internet Router	The router should be supplied with the following: - 4x1G Interfaces and should be scalable to additional 4x1G ports in future.ports in future.	Pls suggest type of Interfaces required whether 1G Base-T, 1G SR, 1G LR etc. Type of interfaces will help for arriving at correct BOM	Please Refer Revised RFP Document
448	56/4.21.8/Internet Router	Router should have redundant data and control plane for non-stop forwarding and routing	Router should have redundant control plane for non-stop forwarding and routing Control Plane redundancy alone will help uninterrupted functioning (nonstop forwarding and routing) of router in case of any controller card failure, dataplane redundancy is not desired considering the low port density asked (8 ports considering future requirement) this will unnecessarily force for bigger chassis	Please Refer Revised RFP Document
449	56/4.21/Internet Router	New Request	The Router should support 1M IPv4 and 1M IPv6 prefixes or more Current Internet routable table has 6 to 7 Lacs prefixes, request to consider this point as this will ensure SASGUJ project does not have any challenge in future when they peer with multiple ISP.	Please Refer Revised RFP Document
450	56/4.21/Internet Router	New Request	Router should support 12k GRE tunnel or more GRE tunnels si one of the parameter to decide the capacity of router, GRE/VPN tunnels will be required for connecting other government offices over internet and also for Mitigating DDOS attacks etc. request to consider this point	Please Refer Revised RFP Document
451	56/4.22.2/Router	Router Capacity and port details as per annexure C	The router capacity for CCC and District category routers is under sized considering the number of interfaces asked. Since Interfaces asked for each location are somewhere between 6x10G to 8x10G (considering future scale), the router capacity has to be somewhere between 50 to 80Gbps. Request to kindly consider this change in Annexure C	Please refer Sr. No. 389
452	56/4.22.2/Router	Router Capacity and port details as per annexure C	Pls suggest type of Interfaces required for 10G and 1G, whether 10G-SR/LR 1G Base-T/SR/LR. Type of interfaces will help for arriving at correct BOM	Please refer Sr. No. 390

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
453	56/4.22.3/Router	Router should support 4000 MAC addresses or more.	Router should support 100k MAC, 1M Ipv4/Ipv6 prefix, 12k GRE Tunnels or More MAC address is a parameter generally used to decide the capacity of switches, for routers the parameter must be No of Ipv4/v6 Prexies supported, GRE/IPsec tunnels supported, IPsec Tunnel supported etc.	Please refer Sr. No. 391
454	57/4.22.18/Router	Router should have redundant data and control plane for non stop forwarding and routing	Router should have redundant control plane for non stop forwarding and routing Control Plane redundancy alone will help uninterrupted functioning (nonstop forwarding and routing) of router in case of any controller card failure, dataplane redundancy is not desired considering the low port density asked (8 ports considering future requirement) this will unnecessarily force for Bigger Routers	Please refer Sr. No. 392
455	57/4.22.18/Router	Router should have redundant data and control plane for non stop forwarding and routing	Please exclude this for City Category 1 and 2 Routers City Category 1 and 2 routers are 1 and 2 Gbps router, request to exclude them from control and data plane redundancy	Please refer Sr. No. 393
456	56/4.22/Router	New Request	Kindly create new section for city category routers Pls create separate section for City Category Routers as there is a vast difference between the performance requirement between a CCC/district category router and city category router.	Please refer Sr. No. 394
457	57/4.23.1/Managed L3 Switch	Port Details (Duplex: Full, Half) and minimum switching capacity : As per Annexure C	The Switching capacity is under sized considering the number of interfaces asked. Since Interfaces asked for each location are somewhere between 8x10G + 10x1G, the switching capacity has to be somewhere between 200Gbps (Full Duplex) or more. Request to kindly consider this change in Annexure C	Please refer Sr. No. 395
458	57/4.23.1/Managed L3 Switch	Port Details (Duplex: Full, Half) and minimum switching capacity : As per Annexure C	Pls suggest type of Interfaces required for 10G and 1G, whether 10G-SR/LR 1G Base-T/SR/LR. Type of interfaces will help for arriving at correct BOM	Please refer Sr. No. 396
459	57/4.23.4/Managed L3 Switch	Should support minimum 8000 MAC address entries	Should support minimum 32000 MAC address entries A core/L3 Switch MAC table size is one of the main parameter to determine its capability. 8000 Mac addresses are even supported by entry level L2 unmanaged switches, request to kindly consider 32000 mac address entries.	This is the minimum mentioned Specification, the bidder is free to proposed better or higher features as a part of its proposed solution
460	57/4.23/Managed L3 Switch	New Request	Should support Minimum 100K Ipv4 prefix, 50K Ipv6 prefix, 40k ARP entries Along with MAC, the other main parameter to determine a core/L3 Switch capability is number of ARP and routing prefixes supported. request to kindly consider 100K Ipv4 prefix, 50K Ipv6 prefix, 40k ARP entries	Please refer Sr. No. 398
461	57/4.24.1/Managed L2 Switch	Port Details (Duplex: Full, Half) and minimum switching capacity : As per Annexure C	The Switching capacity is under sized considering the number of interfaces asked. For a 48port switch with 4X10G uplink the switchinig capacity should be 176Gbps(Full Duplex) and for a 24port switch with 4x10G, the switching capacity should be 80Gbps (Full Duplex) or more. Request to kindly consider this change in Annexure C	Please refer Sr. No. 399
462	58/4.23.4/Managed L2 Switch	Should support minimum 4000 MAC address entries	Should support minimum 16000 MAC address entries 4000 Mac addresses is very a low number and can be fulfilled by any L2 unmanaged switches, request to kindly consider 16000 mac address entries.	Please refer Sr. No. 400
463	61/4.32.2/Firewall For DCC	Minimum firewall throughput and port details : As per Annexure C	All Firewall vendors publish throughput for Large packet, IMIX and Small packet there is a lot of difrence between each of them. IMIX throughput is more realist comapred to large packets. Kindly mention the firewall throughput in IMIX for all district category firewalls. All Firewall vendors publish throughput for Large packet, IMIX and Small packet there is a lot of difrence between each of them. IMIX throughput is more realist comapred to large packets. Kindly mention the firewall throughput in IMIX for all district category firewalls.	Please refer Sr. No. 401
464	61/4.31.2/Firewall For DCC	Minimum firewall throughput and port details : As per Annexure C	Please mention throughput required with all required features turned ON. Please mention throughput required with all required features turned ON.	Please refer Sr. No. 402
465	61/4.32.2/Firewall For CCC	Device must have support for IPsec, VPN & SSL VPN with 500 users support from Day1 in any kind of mode (office/routed/tunnel/web, etc) & must have capacity to expand up to 1000 users in same unit	Device must have support for IPsec VPN or SSL VPN with 500 users support from Day1 in any kind of mode (office/routed/tunnel/web, etc) & must have capacity to expand up to 1000 users in same unit Ipsec VPN and SSL VPN both provide functionality for remote user connection, request to allow support for any one of the functionality	Please refer Sr. No. 403
466	61/4.32.3/Firewall For CCC	Device should have nimum firewall throughput of 20Gbps	Device should have nimum firewall throughput of 20Gbps IMIX All Firewall vendors publish throughput for Large packet, IMIX and Small packet there is a lot of difrence between each of them. IMIX throughput is more realist comapred to large packets. Kindly mention the firewall throughput in IMIX for all district category firewalls.	Please refer Sr. No. 404
467	61/4.32.3/Firewall For CCC	Device should have nimum firewall throughput of 20Gbps	Please mention throughput required with all required features turned ON.	Please refer Sr. No. 405
468	Page 10 2.2 About the project	As mentioned above, Home department, GoG intends to procure Video Management System (VMS) and other Video Analytics based software (ANPR System, RLVD System, Speed detection system) for video surveillance and e Integrated Traffic management system for implementation and successfully running of SASGUJ project (Phase I & II) under this contract/RFP.	As per our understanding the procurement of Phase -II equipment's and licenses shall be under seprate RFP.Therefore In this RFP we have to factor Licenses as per supplied equipments (CCTV, RLVD etc.). Please clarify.	Yes, the Understanding is correct. In Future Home department will only procure the end/edge devices. However, bidder needs to size the central side infra for the both the phases in this tender only

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
469	Page 15 3.1.1. System Integration Component:	Bidder is required to consider total sizing of the project (Phase I & II) to the tune of around 20,000 cameras out of which approx. 6500 cameras will be installed under the phase-I of the project.	The GIL intended to procure different type of CCTV Camera for different purpose , like Surveillance , ANPR , RLVD etc. each solution has seprate module and resolution /recording requirement .Hence request you to specify the sizing and scalability requirement with respect to the solution.	Please Refer Revised Price Bid Format
470	Page 15 3.1.1. System Integration Component:	Bidder is required to consider total sizing of the project (Phase I & II) to the tune of around 20,000 cameras out of which approx. 6500 cameras will be installed under the phase-I of the project.	As per financial format 5000 License for VMS has been asked	Please Refer Revised Price Bid Format
471	Page 106 Annexure C	Category wise Item details	Categories are specified based on Bandwidth , Request you to provide a no. of cameras with scalability for each city district wise. This will help bidder to undersatnd and design the solution accordingly.	Please Refer Revised RFP Document
472	Page 29 3.1.2.12 O&M of Physical Infrastructure:	(xxiv) The successful bidder will be responsible for the integration of the Cameras with the recording servers and ensure that at least 15 days on primary and 30 days on the secondary storage units.	In RFP Storage Type -I is defined for application having 5 TB capacity ,Therefore this cannot be considered for storage of video feed for 15 days. Please specify.	Please Refer Revised RFP Document
473	Page 32 3.2 Implementation Timelines	2. Implementation Roadmap, plan and execution strategy document (Include feasibility study, site survey, fixtures, Edge devices, coupling, clamp, pole, Gantry etc.) TO 7. Installation and Commissioning and FAT of hardware/software at end point Locations	After LOI next essential deliverable is POC , Hence request you to consider remaing deliverables timeline after approval of POC.As this is a comprehensive state wide roll out overall Project Implementation timelines should be increased with sufficient time for every milestone to acheive.	Please Refer Revised RFP Document
474	Page 15 3.1.1.1 General Obligation under the System Integration	c) Setting up and operations of Centralized Command and Control centrerequired permissions from the authorities/local bodies	Our understanding with this clause is that required permission from local/govt agencies to setup junction infrastructure , erect pole etc. shall be assisted by Tenderer. Please clarify on this point.	The required assistance shall be provided by the TENDERER, However the bidder shall be responsible to obtain any such permissions required for successful execution of the work
475	Page 15 3.1.1.1 General Obligation under the System Integration	a) Provide detailed Implementation plan including feasibility study and actual site survey confirming requirement for Poles, Gantry, CCTV Cameras (including Type and QTY), Positioning of junction box, source of power supply, last mile cabling route, kind of coupling/mounting brackets needed to mount cameras	As per our understanding tenderer will provide raw Power from Discom and also bear the running cost of as per actual.Bidder will tap the power from the meter and power up the UPS. Please clarify.	The TENDERER will provide RAW power/ electricity. However, extension till the last mile/actual utility will be in the scope of successful bidder. TENDERER will reimburse the one time charges, Meter charges, security deposit paid by the bidder for obtaining the required new connection.
476	Page No. 80 5.30 Payment terms	A) Central Infrastructure :---- 20% on Successful Completion of 6 months from the date of FAT B) End Devices, and Edge Locations Infrastructure:----- 10% on Successful Completion of 3 months from the date of FAT	Tender already askd for PBG amounting to 10% of contract value which will remain with you for the complete duration of contract (5.6 years),withholding defined amounts i.e 20% of Central Infra & 10% of Edge Infra for 6 & 3 months from FAT will increase the total liabilities & ultimately affect the project value. Request you to consider paying this amount on completion of FAT milestones & FAT milestone should be removed from Installation & Commissioning Milestone.	Please Refer Revised RFP Document
477	Page No. 78 5.25.2 Performance Bank Guarantee	In case of poor and unsatisfactory field services, the TENDERER shall invoke the PBG	Poor and unsatisfactory field services is a open term which is not having any defined meaning/boundaries .Request you to Change it to "In case of material breach of contract terms & conditions Tenderer shall invoke the PBG".	Please Refer Revised RFP Document
478	50/4.12 Workstations pt 3	Video: Integrated Graphic controller with minimum 2 GB video memory (nonshared), NVIDIA GeForce/AMD Radeon/Intel, it should support 3 monitors simultaneously without degrading the quality of the HD video Quality	GeForce / Radeon cards are consumer series and not meant or certified on workstations. We recommend for professional cards like NVidia Quadra or AMD Radeon Pro. Hence please amend the clause as under: Integrated Graphic controller with minimum 2 GB video memory (nonshared), NVIDIA GeForce/NVIDIA Quadra, AMD Radeon/AMD Radeon Pro/Intel, it should support 3 monitors simultaneously without degrading the quality of the HD video Quality	Please Refer Revised RFP Document
479	50/4.12 Workstations pt 5	Ports: 6 Nos. or Higher USB (min 2 USB3.0), 1XHDMI / 1 VGA Port.	HDMI or VGA ports are meant for consumers cards. Please consider DP port as well. Hence please amend the clause as under: 6 Nos. or Higher USB (min 2 USB3.0), 1XHDMI / 1 VGA Port / 1XDP port.	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
480	50/4.12 Workstations pt 7	27 Inches or higher x 3 Nos., Wide LED Touch Screen, Resolution-1920x1080, Aspect Ratio-16:9 , refresh rate 5ms or better	We request to please amend the clause as under: 23 Inches or higher x 3 Nos., Wide LED Screen, Resolution- 1920x1080,	No Change
481	4.39 Storage (For Applications)/storage	<ul style="list-style-type: none"> ☑ Solution should be IP Based/iSCSI/FC/FCOE/NFS/CIFS • Storage Capacity :5 TB Useable for each District HQ and 10 TB for CCC • Disks should be minimum of 1 TB SAS drives • Storage solution should comprise of Active-Active Load Balancing Storage Controllers with 64GB Cache from day one and the storage solution should be scalable up to 128GB Cache without replacing existing Controllers • Front End: Minimum 8 x 10Gbps FC/FCoE ports for host connectivity scalable to 16 ports • Should be able to store all types of data (Data, Application, Voice, Images, Video, etc.) • Storage should support all industry standard RAID type • The proposed Storage should have 6 Gbps Drives (it should support SSD, SAS & NL-SAS types) or higher. <hr/> <ul style="list-style-type: none"> ☑ Modular design to support controllers and disk drives expansion;☑ Should be Rack Mountable ☑ The controllers / Storage nodes should be upgradable without any disruptions / downtime ☑ Licenses for the storage management software should include disc capacity/count of the complete solution and any additional disks to be plugged in in the future, up to max capacity of the existing controller/units.; ☑ A single command console for entire storage system.; ☑ Should have the functionality of performance, utilization monitoring of storage, disk drives and management software; ☑ The storage array must have complete cache protection mechanism either by de-staging data to disk or providing complete cache data protection with battery backup for minimum 4 hours; ☑ Controllers shall be active-active so that a single logical unit can be shared across all offered controllers, while supporting all the major functionalities like Thin Provisioning, Data tiering.; ☑ the storage should have no single point of failure on components like controllers, disks, cache memory, I/O Ports, Power supply, Fan, etc. 	<p style="text-align: center;">Partial Yes (Only Cache & Port Need to be reduced)</p> <p>* Kindly Reduce the Cache requirement to 4 GB, As in case of Surveillance Storage , Cache does not play major role due to the continuous data Recording. High Cache puts the high Cost implications to the Storage.</p> <p style="text-align: center;">* Kindly reduce the Interface ports to 4 x 10 Gbps FC/ iSCSI ports.</p> <p style="text-align: center;">yes</p>	Please Refer Revised RFP Document
482	4.39 Storage (For Applications) / SAN Switch	<ul style="list-style-type: none"> • May be proposed as per the solution requirement Compatible with the Storage 	Requirement will shared with the MSI to propose the required Switch	No Change
		<ul style="list-style-type: none"> • Storage period of 30 days o Storage Capacity: As per Annexure C o The Storage capacity mentioned is the Usable capacity. The proposed storage solution should be scalable as per requirement. • Disks should be minimum of 6 TB • Storage solution should comprise of Active-Active Load Balancing Storage Controllers with 64GB Cache from day one and the storage solution should be scalable up to 128GB Cache without replacing existing Controllers • Should be able to store all types of data (Data, Voice, Images, Video, etc.) • Storage should support all industry standard RAID type • The proposed Storage should have 6 Gbps Drives (it should support SSD, SAS & NL-SAS types) or higher. • Modular design to support controllers and disk drives expansion • Should be Rack Mountable 	<p style="text-align: center;">Partial Yes (Only Cache Need to be reduced)</p> <p>* Kindly Reduce the Cache requirement from 64 Gb to 4 Gb , as in case of Continuous Video Data writing on Disk Storage, Cache does not add any value & become useless. Hence requesting you to pls reduce it to 4 GB and no need to have scalability for Cache. It just adds a cost implication nothing else.</p> <p style="text-align: center;">Note:</p> <p>1.) The above-mentioned specification are the minimum required specifications, the bidder is free to quote a product with better or higher specifications to meet the</p>	

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
483	4.40 Storage (for Video's) /storage	<ul style="list-style-type: none"> ☑ The controllers / Storage nodes should be upgradable without any disruptions / downtime ☑ Licenses for the storage management software should include disc capacity/count of the complete solution and any additional disks to be plugged in the future, up to max capacity of the existing controller/units.; ☑ A single command console for entire storage system.; ☑ Should have the functionality of performance, utilization monitoring of storage, disk drives and management software.; ☑ The storage array must have complete cache protection mechanism either by de-staging data to disk or providing complete cache data protection with battery backup for minimum 4 hours ☑ The storage should have no single point of failure on components like controllers, disks, cache memory, I/O Ports, Power supply, Fan, etc. ☑ The Storage should be based on IP address and the time stamp of the feed for video data, images received from camera.; ☑ The solution should allow to transfer and store the data, on need basis, to any other storage irrespective of Make/Model across LAN/WAN within the state. 	<p style="text-align: center;">outcome of each service asked under the project. 2.) Better or Higher Specification would mean:</p> <p>a.) In case of a camera, higher pixel resolution, lower focal length on lower end of zoom and higher focal length on higher end of zoom, more frame rates than sought, bigger sensor size (number on denominator being smaller when sensor size presented as 1/x" size), better pan/tilt angles, better zoom (bigger than ## * times specified)</p> <p>b.) In case of networking devices, better through put, more number of ports for ethernet or fibre as specified, PoE Rating</p>	Please Refer Revised RFP Document
484	Storage	storage Vendor has to be from Gartner Leader Quadrant	No Storage Vendor Should be Present in Any Quadrant of Gartner	No Change
485	GIL/Home Dept./SASGUJ Project/2017-18 Page-19 (b) Speed Detection System/ (viii)	The System should be able to detect the speed of the vehicles with an accuracy of +/- 5 Kmph, the bidder will have to get its system tested and & certified by the competent certifying body for the acceptance as an evidence in the court of law. It is not a pre requisite for the submission of the bid, however, the successful bidder will have to submit such certificate(s) along with its testing Report to the TENDERER on annual basis	Detection & reading accuracies are highly dependent upon various external factors such as Licence Plate condition (type, size, broken, dirty etc), environmental conditions , reflective or non-reflective nature, calibration of the camera mounted etc. In such scenario we request to allow for atleast +/- 10 Kmph variance in the accuracy. At the same time, we understand that the system tested & certified by any Global Agency shall be applicable in your requirements. Please confirm.	Please Refer Revised RFP Document
486	GIL/Home Dept./SASGUJ Project/2017-18 Page-19(c) ANPR System/(II)	The proposed ANPR system has to be integrated with various Applications/ Databases of the e-GujCop application of the Police department, e- challan etc. for verification/checking and fetching the required vehicle information.	Details of other application/ Database, Database format etc. alongwith the Scope of Integration is required. Please provide the same.	Mobile ANPR Requirement stands removed from this RFP
487	GIL/Home Dept./SASGUJ Project/2017-18 Page-20(c) ANPR/(X)	Mobile ANPR	Need Clarification on the Exact Requirement and Link with the database with Scope of Integration.	Please refer Sr. No. 486
488	GIL/Home Dept./SASGUJ Project/2017-18 Page-37/2. Operational Capabilities / K	The VMS should support digital zoom on the workstation or external monitors (analog or digital). The user shall be able to perform digital zoom magnification up to 20 times, digitally zooming in up to 672% of the original size.	We understand the zoom magnification up to 20 time. But, what is the significance of digitally zooming in up to 672% of original size? Kindly clarify.	Please refer Sr. No. 2
489	GIL/Home Dept./SASGUJ Project/2017-18 Page-44/4.2 /ANPR/6.	<p>The System should be able to capture license plates for vehicle moving up to the speed of 120Km/Hours at:</p> <ul style="list-style-type: none"> · 90 % accuracy for Standard English alpha-numeric fonts and HSRP for both day and night. · 75% accuracy for non-standard fonts for both day and night 	<p>Detection & reading accuracies are highly dependent upon various external factors such as Licence Plate condition (type, size, broken, dirty etc), environmental conditions , reflective or non-reflective nature, calibration of the camera mounted etc. In such scenario we request to allow to capture the license plates for vehicle moving up to the speed of 120 Km/ Hour at:</p> <ul style="list-style-type: none"> 85% accuracy for Standard English alpha-numeric fonts and HSRP for day. 75% accuracy for Standard English alpha-numeric fonts and HSRP for night. 65% accuracy for Non Standard English alpha-numeric fonts for day. 50% accuracy for Non Standard English alpha-numeric fonts for night. <p>Moreover, we understand that the Instantaneous/ Spot Speed capturing is the requirements for vehicle moving up to the speed of 120 Km/ Hour. Please confirm.</p>	No Change
490	Page No.4, Clause No 3	Bid Due Date-16/05/2017 up to 1500 hours	Considering the time required for conducting the site survey and analyze the scope & technical aspects of the current work, We request the authority to extend the bid due date by three more weeks from the current date of submission.	Please Refer Revised RFP Document

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
491	Page No.11, Clause No 2.3	Bidder should be an established IT /Telecom System Integrator and should have been engaged in setting-up and Operations & Maintenance Services of Network (Active or Passive) and Data Centres for a period of at least five years as on bid issuance date.	As the scope of the current work envisage the application of smart city solutions and various intelligent transportation applications, We request the authority to include ITS/ITMS / ITES sectors and to change the clause as "Bidder's should be established IT/ITS /ITMS/ITES/ Telecom System Integrators and should have been engaged in setting-up and Operations & Maintenance Services of Network (Active or Passive) and Data Centres or traffic management systems for a period of at least five years as on bid issuance date.	No Change
492	Page No.11, Clause No 2.3	The bidder must have annual turnover of at least Rs. 500 Crores for each of the last three financial years as on 31st March, 2017. Average Annual Turnover of the bidder generated solely from supply/service for (active and passive) Networking (setting up or O&M) and Data Centre (setting up or O&M) during the last three financial years, should be at least Rs. 250 crores. In case Bidder is a wholly owned / 100% subsidiary, the turnover of Parent company would be considered for eligibility.	We hope that a bidder who is 99.99% subsidiary of its foreign parent company would also be allowed to use the technical and financial credentials of its foreign-parent company for evaluation.	Please Refer Revised RFP Document
493	Page No.11, Clause No 2.3	The bidder must have positive net worth and should be Profit making in each of the last three financial years as on 31st March, 2017	We hope that the bidder who is 99.99% subsidiary of its foreign parent company could use its financial credentials to become eligible.	Please Refer Revised RFP Document
494	Page No.11, Clause No 2.3	Bidder should have demonstrable expertise and experience in executing at least ONE project of Network Integration / Systems Integration/ Data Centre (setting up or O&M) anytime during last five years as on bid issuance date, having a minimum value of Rs.50 crores or TWO projects having a minimum value of Rs. 25 crores each.	In order to evaluate the execution skill & experience of a bidder for longer period and to pave way for more competitive bidders with Network Integration / Systems Integration / Data Centre implementation experience, We request the authority to consider the projects implemented anytime during last 10 years.	No Change
495	Page No.11, Clause No 2.3	Bidder should have demonstrable expertise and experience of setting up or O&M of integrated control room/city wide control room/emergency response centre with One such Project having minimum 20 seating capacity	The larger ITMS control centers are generally operated by client / Police departments and evaluating the control centre experience of a bidder based on the volume of operators might only help call centre firms to get qualified. So we request RSCL to modify this clause to consider either the experience of a bidder in setting –up the control centre without specifying the count of operators or to relax the operator count to 15 nos	No Change
496	Page No. 15,Clause No.3.1.1	Bidder is required to consider total sizing of the project (Phase I & II) to the tune of around 20,000 cameras out of which approx. 6500 cameras will be installed under the phase-I of the project.	As per the clause No 3.1.1, the total camera count to be installed in phase 1 is 6500. But the total count of all camera (RLVD, ANPR, PTZ, Speed detection) mentioned in Price bid is only 4569. Both statements seems to be contradictory and we request the authority to clarify the total camera count to be installed under phase 1 and phase 2	Please Refer Revised RFP Document
497	Page No.90, section VI	Priced bid	As per the clause No 3.1.1, the total camera count to be installed in phase 1 is 6500. But the total count of all camera (RLVD, ANPR, PTZ, Speed detection) mentioned in Price bid is only 4569. Both statements seems to be contradictory and we request the authority to clarify the total camera count to be installed under phase 1 and phase 2	Please Refer Revised RFP Document
498	Page No 16, Clause No.3.1.1.1	Setting up and operations of Centralized Command and Control centre and District/ City level Control centres obtaining the required permissions from the authorities/ local bodies. However, TENDERER will provide adequate assistance / support as and when required.	We hope that the central command and control centre(ccc) will be implemented at Gandhinagar as per the RFP and the building for control centre set up will be provided by the authority. Please clarify Please mention the locations for the set up of District/ state level control centres. We hope that the construction of district/state level control centres comes under the scope of the authority.	Please Refer Revised RFP Document
499	Page No. 15, Clause No. 3.1.1	It is envisaged that all the required software, application will be hosted at state head quarter which will be extended up to the district/city level on API basis. Further, local/city level control room / operation center will perform the required analytics over the video feed for generation of e-Challan and performing other surveillance related activities locally.	As per clause No.3.1.1, the software application will be hosted at State head quarters and when compared with the clause No 3.1.1.1, it is clearly mentioned that the application will be hosted district/city level control centres. Both statements seem to be contradictory. Please clarify	Please Refer Revised RFP Document
500	Page No. 15, Clause No. 3.1.1.1	All the software applications along with their databases shall be deployed at the district Head Quarters. i.e. the applications such as Analytics, RLVD, Speed Violation, ANPR etc. shall be hosted at the district/ city location's control Centre.	As per clause No.3.1.1, the software application will be hosted at State head quarters and when compared with the clause No 3.1.1.1, it is clearly mentioned that the application will be hosted district/city level control centres. Both statements seem to be contradictory. Please clarify	Please Refer Revised RFP Document
501	Page No.17, Clause No. 3.1.1.2	Detailed list of locations along with the required no. of cameras is mentioned in Annexure-A. However, while doing detailed feasibility study and site survey activity bidder is required to include type and quantities of camera required at each location.	We request the authority to clarify the type and quantity of cameras that will be used in each location. Also we request the authority to give a detailed list of locations including the number of lanes, arms to be monitored at each junction, type of traffic violation systems be installed at each location and count of cameras to be used. Requesting authority to release an annexure for bidder's better understanding.	Please Refer Revised RFP Document

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
502	Page No.90, section VI	Price bid	We request the authority to clarify the type and quantity of cameras that will be used in each location. Also we request the authority to give a detailed list of locations including the number of lanes, arms to be monitored at each junction, type of traffic violation systems be installed at each location and count of cameras to be used. Requesting authority to release an annexure for bidder's better understanding.	Please Refer Revised RFP Document
503	Page No 17, Clause No. 3.1.1.2	Positioning of Cameras should be such that it covers the entire road/lane available at the respective locations.	We request the authority to share the number of locations, where each system needs to be installed along with the lane /width of road, number of arms etc for bidder's understanding	Please Refer Revised RFP Document
504	Page No 15, Clause No.3.1.1.1	Comprehensive Last mile connectivity (including supply, installation & commissioning of required material/hardware) between utilities and nearby Junction (connectivity medium like CAT-6/fibre as per the site requirement) including Supply of active and passive component within the junction box	Please mention the type of Connectivity. We hope that the connectivity and bandwidth requirement for the required solution does not come under bidder's scope.	Yes, the Understanding is correct
505	General Query	Storage	We hope that the Storage solution can be decided by the bidder or if not then what are the mandatory requirements for storage?	As per RFP
506	Pg 49 under clause 4.11) Video Wall Solution- point 1.	Full HD IPS LED/DLP Display, Direct LED Backlight, Display suitable for use in video wall with bezel to bezel distance not more than 3 mm	Please add SPVA Panel & make bezel to bezel distance not more than 3.5 mm to increase competition	No Change
507	Pg 49 under clause 4.11) Video Wall Solution- point 17.	Display Controller: Video Distributor, Display controller to control Video wall in a matrix asper requirement with necessary software:	Please remove the word Video Distributor	Please Refer Revised RFP Document
508	Pg 49 under clause 4.11) Video Wall Solution- point 17.	Display Controller: Video Distributor, Display controller to control Video wall in a matrix asper requirement with necessary software:	Please clarify the exact no. & type of inputs in the controller	As per RFP
509	Pg 90, 91, 92 under- Price Bid, Schedule-1	For Command and Control Centre: Video Wall Solution for the state Center - 55", in a 4 X 3 arrangement (with video Controller)- 1 no. For District Control Room's: Video Wall Solution- Type 2 for the District Control Room, in a 4 X 2 arrangement (with video Controller)- 29 nos. For City Control Room: Video Wall Solution- Type 3 for the City Control Room, in a 2 X 2 arrangement (with video Controller)- 10 nos.	Please confirm the quantity is as per Price Bid schedule-1 as Pg 106, Annexure-C (category wise details) mentions the configurations as: 1 Nos. (4X 3 matrix) at Command and Control Center 1 Nos. (2 X 2 Matrix) at District Category 1 1 Nos. (2 X 3 Matrix) at District Category 2 1 Nos. (3 X 3 Matrix) at District Category 3 1 Nos. (2 X 1 Matrix) at City Category 1 1 Nos. (2 X 2 Matrix) at City Category 2 Please let us know which is the final quantity & configuration	Please Refer Revised Annexure C
510	Pg 21 under clause 3.1.1.5 Video Wall - point b.	The video wall shall use multi-monitor (e.g., different monitor can display different input source) and split screen (e.g., several intersections can be displayed on one monitor) display technology to provide the flexibility to accept audio and video inputs Camera system, TV signal, recorded video, and Laptop computer.	Please clarify the exact no. & type of input sources in the controller For cameras, please clarify: Do we need to decode these or we will get decoded inputs from customer? If we need to decode, please let us know: 1. Exact no. of cameras to be decoded & at what resolution 2. Format (H.264/ MJPEG/ MPEG-2/ MPEG-4)	The Assesment has to be made by the bidder and subsequently it has to be considered in proposed solution
511	Page no 97	Format II: Format for Power of Attorney	Kindly allow bidder to submit Power of Attorney in their own format rather. Also allow to submit Power of Attorney or Board Resolution for the same.	No Change
512	2.3 , Pg no.11	3. Average Annual Turnover of the bidder generated solely from supply/service for (active and passive) Networking (setting up or O&M) and Data Centre (setting up or O&M) during the last three financial years, should be at least Rs. 250 crores. Statutory auditors certificate mentioning turnover of the bidder should be enclosed	It is recommended to accept CA certificate in lieu of SA certificate	Please Refer Revised RFP Document
513	2.3 , Pg no.11	5. The bidder must have positive net worth and should be Profit making in each of the last three financial years as on 31st March, 2017	It is recommended to accept CA certificate in lieu of SA certificate	Please Refer Revised RFP Document
514	5.28 , Pg no.79	Selected agency's cumulative liability for its obligations under the contract shall not exceed the value of the charges payable by the TENDERER within the remaining duration of the contract term from the day claim is raised and selected agency shall not be liable for incidental, consequential, or indirect damages including loss of profit or saving.	Liability of the bidder should not exceed 10% of contract value under this clause. Please modify accordingly	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
515	5.3 , Pg no.80	Payment Terms	It is recommended to change the payment terms as mentioned below, because RFP terms are not favorable to bidder. 100% payment for Hardware and Software on delivery and Installation 100% payment for Implementation Services till Go-live. Payment for Infra O&M as equated quarterly installment in Advance Payment for Infra O&M as equated quarterly installment in Advance	No Change
516	5.30.1 , Pg no.81	The invoice would be processed for release of payment within 45 days after due verification of the invoice and other supporting documents by the TENDERER or its designated agency.	It is recommended to pay the invoices raised by the bidder within 30 days of receipt of invoices, failing which interest @ 2% per month shall be charged.	No Change
517	5.30.1 , Pg no.81	In case the processing of the invoice gets delayed beyond 45 days from the date of acceptance of invoice, the successful bidder would be paid an adhoc amount of 50% of invoice value and the remaining amount would be released after getting clarifications, due verification and imposition of penalty, if any	Only the disputed amount can be withheld otherwise all other payment must be made when able they are due	No Change
518	General		It is recommended that ownership of H/W, S/W and equipments shall be transferred to customer upon delivery.	Ownership of the entire project shall, remain with the TENDERER, However the bidder responsible for the O&M of the Project till the expiry of the Contract
519	General		There is not Exit Management Clause Exit management clause needs to added with a notice period of minimum of 180 days	Please Refer Revised RFP Document
520	General		Kindly confirm that all the prices to be quoted are exclusive of all the tax and taxes will be paid as applicable at the time of invoice generation	No Change
521	3.1.1.4, Pg no. 21& 4.37 & 4.38	Mobile application should allow MAC/IMEI No. binding, role based user access over secured VPN client on users mobile/smart phone and Server Load Balancer for Central CCC & Server Load Balancer for District/City Control Centre	As per RFP bidder has to develop mobile application and support for MAC / IMEI no binding and role based access on mobile / smart phone while accessing mobile application. Server Load balancer device can support role based access of end users and restrict users based on MAC / IMEI no. Hence we suggest to include point in Server Load Balancer Specifications - "Server Load balancer should support user authentication and restrict user access based on Hard Disk ID, MAC ID, CPU ID combinations and custom smart phone checks.	Please Refer Revised RFP Document
522	5.33	Service Level And Penalty Clause	We recommend to modify penalties as below - Penalties for implementation should be capped to 5% of contract value of delayed items Operational penalties should be capped to 5% of QP amount. There should not be any provision for increase in penalty.	No Change
523	5.4	Copyright And Intellectual Property Rights	Please add clause related to Bidders Pre Existing IPR and third party IPR • In case the solution is using off-the-shelf proprietary products or IPR based pre-existing framework or the components to build the complete application, the entire source code of the customization layer on the top of the product then department would have exclusive right to use and own the application software.	No Change
524	5.26.2	Termination by Successful bidder	Please add clause for Termination by Successful bidder even in case of other breaches by the client other than non-payment like delay in approvals etc	No Change
525	3.1 , Pg no. 15	Integration of legacy systems:	Kindly confirm all the required services in required format would be exposed by respective legacy systems	No Change
526	4.38, Pg no. 67	Server Load Balancer for District/City Control Centre - Device should provide 4x1G ports scalable to additional 4x1G ports	We can create multiple sub-interfaces on single physical interface. Hence two 1G ports would be enough for SLB deployment at District / City Center. Hence we suggest to update to "Device should provide 2 x 1G ports and scalable to additional 2 x 1G ports"	Please Refer Revised RFP Document
527	3.1 , Pg no. 15	Comprehensive Last mile connectivity (including supply, installation & commissioning of required material/hardware) between utilities and nearby Junction (connectivity medium like CAT-6/ fibre as per the site requirement) including supply of active and passive component within the junction box. Civil Work (Supply, Erection and commissioning) of Non-IT infrastructure like Poles/Gantry/ frames/ fixtures/ housing etc. with proper electrical earthing (as per IS-3043) wherever required as per the feasibility plan/ report.	Request the Dept. to remove the civil work from Bidder's scope. (Else Please clarify whether Sub-contracting is allowed for Civil & Electrical, Digging & Cable Laying works)	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
528	3.1, Pg no. 16	The RoW (Right of Way) wherever required for the digging and laying of underground cables for last mile connectivity and foundations has to be obtained by the successful bidder at its own cost, however the TENDERER shall help in obtaining such permissions. The TENDERER will reimburse the RoW charges to the successful bidder on submission of the actual receipts of the such charges paid.	It is suggested to remove ROW scope from the bidder. There would be a challenge in obtaining necessary approvals from other departments. Request to kindly delete digging & laying of underground cables from the Bidder's scope	No Change
529	3.1 , Pg no. 16	The system integrator will also be responsible for data migration from the existing applications/ systems such as CSITMS, e- Challan as they exist in Ahmedabad, Gandhinagar, Vadodara and Surat city in the proposed solution.	Kindly provide the following clarifications 1) What is the size of data which needs to be migrated 2) Which form the data are available (database , flat files etc..) 3) What all databases from which we need to migrate , Make and version of DB 4) Will department responsible for the cleansing the data to be migrated	As per RFP
530	3.1.1.8 , Pg no. 23	Centralized Helpdesk	Kindly provide the following clarifications 1) Will the department provide space , connectivity , desktops , furniture 2) How many help desk associates to be considered 3) What is the support window for help desk 4) Will department provide telephone lines , toll free numbers	1.) The TENDERER will provide the required Space, Connectivity and furnitures, However the Bidder will have to provide the required Desktops and the same has been considered in the Price Bid.; 2.) Helpdesk Manpower is out of the scope of work of the bidder.; 3.) The Support Window for the Helpdesk will be for 24 X7 support, However the manpower required for the same is out of the scope of the RFP.; 4.) The Telephone lines shall be provided by the TENDERER
531		General	Please clarify whether, can the bidder virtualize the servers	Yes, the Servers can be virtualized for the optimization of the resources, however the functional outcome has to be meet at all times during the contract period by the bidder
532	3.1.2.6, Pg no.	c. O&M charges for any such additional work shall be paid at 2% per annum of the cost of such additional equipment/devices/hardware/ software component to be deployed at the central site and the rate of 10% per annum for the end point devices.	Kindly modify clause for payment terms of O&M charges for additional work will be mutually agreed as per effort estimate.	No Change
533	3.2 , Pg no. 32	Delivery of the IT and Non-IT Equipment of central Infrastructure as defined in BoQ (hardware and software) at a central location/Vendors Warehouse Within 45 calendar days from the date of Approval of the PoC	Request the Dept. to amend the timeline for delivery of the IT & Non-IT equipment to 90 calendar days from the date of approval of the PoC	Please Refer Revised RFP Document
534	5.7.2 , Pg no. 72	EMD of all unsuccessful bidders would be refunded by GIL within 60 Days on selection of successful bidder	Please amend the clause as "EMD of all unsuccessful bidders would be refunded by GIL within 30 Days on selection of successful bidder"	No Change
535	5.15.3 , Pg no. 74	The Financial Bids of qualified bidders only would be opened and evaluated to determine the L1 (lowest) bidder.	Request the Dept. to consider QCBS (70:30) criteria for evaluation of the bids	No Change
536	5.3 , Pg no. 80	Hardware/Material component as per Schedule I of financial bid	Keeping in view introduction of GST, the Taxation should be 100% with delivery of goods. Hence, request the Dept. to kindly modify the payment terms as below :	No Change
537	5.3 , Pg no. 80	A) Central Infrastructure	Successful Delivery and Inspection of Hardware/Equipment at the central location/Bidder's Warehouse - 90% of the Sum total of schedule I of financial bid	No Change
538	5.3 , Pg no. 80	A) Central Infrastructure	Successful Installation, commissioning and FAT - 10% of the Sum total of schedule I of financial bid	No Change
539	5.3 , Pg no. 80	B) End Devices, and Edge Locations Infrastructure	Successful Delivery and Inspection of each lot of 25 % at the central location/ Bidder's Warehouse - 90% of the Sum total of schedule I of financial bid	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
540	5.3 , Pg no. 80	B) End Devices, and Edge Locations Infrastructure	Successful Installation, Commissioning & FAT of each lot of 25% - 10% of the Sum total of schedule I of financial bid	No Change
541	5.34 , Pg no. 86	5.34.1 Necessary approvals/ clearances concerned authorities, for establishing the proposed project are to be obtained by the Selected agency.	Request the Dept. to kindly remove this clause from the Bidder's scope	No Change
542	5.34 , Pg no. 86	5.34.2 Necessary approvals/ clearances from concerned authorities, as required, for fire protection, government duties / taxes/ Octroi are to be obtained by the Selected agency.	Request the Dept. to kindly remove this clause from the Bidder's scope	No Change
543	5.35 , Pg no. 86	5.35.5 The successful bidder shall arrange to obtain all statutory and regulatory permission (If any) at no cost to the Government of Gujarat	Request the Dept. to kindly remove this clause from the Bidder's scope	No Change
544	Pg no. 94	The tender rates shall be valid for 1 Year.	Request the Dept. to kindly amend the note as the bid validity is for 180 days and keeping the quoted rates valid for 1 year is not possible. Also, the OEMs do not offer price validity for one year keeping in view Rupee-Dollar fluctuation.	No Change
545		Liquidated Damages	It is suggested to cap the liquidated damages for delay in delivery @ 5% of the total contract value	No Change
546	4.37 & 4.38	Server Load Balancer for Central CCC & Server Load Balancer for District/City Control Centre - Should support Global Server Load balancing, URL based Load balancing, HTTP, HTTP redirection, HTTP Layer 7 redirection, DNS redirection, DNS Fallback redirection	Full DNS bind support is required to add MX and CNAME record and to get full-fledged GSLB functionality Hence we suggest to include that Server Load balancer should support GSLB with full DNS bind function and capable of handling complete DNS bind records including A, MX, AAAA etc	This is the minimum mentioned Specification, the bidder is free to proposed better or higher features as a part of its proposed solution
547	3.1 Scope of work: RFP Page No: 14	ii. Hardware/End Points: Bidder is also responsible for supply, installation, commissioning and O&M of end points like CCTV Cameras, video Walls, Storage, IT Infrastructure, Non-IT Infrastructure (Network Cabling, UPS etc.) to be deployed across multiple cities covered under the Phase-I of SASGUJ Project	Is LAN & Electrification work for end points is in bidder's scope of work? Please confirm.	Yes, wherever required the necessary LAN and electrification work has to be done by the bidder
548	3.1.1. System Integration Component: - RFP Page No: 15	The project model will be a Hybrid model i.e. a mix of centralized and distributed architecture wherein the cities will have the deployment of the Cameras, video wall, Storage, IT Infrastructure, etc. at the District/City level and at the central infrastructure at the state Head Quarter hosting all applications running in a client server model.	We believe that, datacenter with required UPS power will be provided by department. Also please confirm the location of central site.	Please Refer Revised Annexure C
549	3.1.1.8 Centralized Helpdesk: RFP Page No: 23	The bidder under the scope of the project will have to set up a centralized helpdesk at the Command and control center	We believe that, IT Infra and space for helpdesk will be provided by department. Please confirm.	Please refer Sr. 530
550	General	DR Site	We believe that, DR Site is not in scope of work. Please confirm	Yes the understanding is correct
551	3.1.2. Operations and Maintenance (O&M) of the project - RFP Page No: 24	3.1.2.2 Tenderer will issue a separate RFP for therequirement of connectivity at all the locations. However, Network management system supplied, installed, configure and commissioned by this successful bidder should allow todiscover, manage and monitor the connectivity links provided by the successful bidder of connectivity RFP. Furtherthe successful bidder of this RFP is only responsible for discovery, monitoring, logging of service request (in case of link is down) ect	Is Last mile connectivity is in bidders scope of work? Please confirm	Yes, the last mile connectivity is in the scope of the bidder Note: Last Mile connectivity referred here is pertaining to the Connectivity between Junction box and the end point like CCTV Camera, Wi-Fi Access points, Sensors etc. mounted on the locations
552	General	Backup solution	Please clarify whether bidder has to propose any backup software and tape library?	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
553	Section II, Introduction & Eligibility Criteria 2.1 Introduction Page No. (11 of 106), Point No. 3	<p>The bidder must have annual turnover of at least Rs. 500 Crores for each of the last three financial years as on 31st March, 2017. Average Annual Turnover of the bidder generated solely from supply/service for (active and passive) Networking (setting up or O&M) and Data Centre (setting up or O&M) during the last three financial years, should be at least Rs. 250 crores.</p> <p>In case Bidder is a wholly owned / 100 % subsidiary, the turnover of Parent company would be considered for eligibility.</p> <p>Audited and Certified Balance Sheet and Profit/Loss Account of last 3 Financial Years should be enclosed. Statutory auditors certificate mentioning turnover of the bidder should be enclosed.</p>	<p>In the large organization, the annual report will be published during every year of August. Hence we kindly request you to amend the clause as follows:</p> <p>The bidder must have annual turnover of at least Rs. 500 Crores for each of the last three financial years as on 31st March, 2016. Average Annual Turnover of the bidder generated solely from supply/service for (active and passive) Networking (setting up or O&M) and Data Centre (setting up or O&M) during the last three financial years, should be at least Rs. 250 crores.</p> <p>In case Bidder is a wholly owned / 100 % subsidiary, the turnover of Parent company would be considered for eligibility. Audited and Certified Balance Sheet and Profit/Loss Account of last 3 Financial Years should be enclosed. Statutory auditors certificate mentioning turnover of the bidder should be enclosed.</p>	Please Refer Revised RFP Document
554	Section II, Introduction & Eligibility Criteria 2.1 Introduction Page No. (11 of 106), Point No. 3	<p>The bidder must have annual turnover of at least Rs. 500 Crores for each of the last three financial years as on 31st March, 2017. Average Annual Turnover of the bidder generated solely from supply/service for (active and passive) Networking (setting up or O&M) and Data Centre (setting up or O&M) during the last three financial years, should be at least Rs. 250 crores.</p> <p>In case Bidder is a wholly owned / 100 % subsidiary, the turnover of Parent company would be considered for eligibility.</p> <p>Audited and Certified Balance Sheet and Profit/Loss Account of last 3 Financial Years should be enclosed. Statutory auditors certificate mentioning turnover of the bidder should be enclosed.</p>	<p>In many case it becomes very difficult to get Turnover certificate from statutory auditor in time. They might even refuse to issue such specific turnover.</p> <p>Therefore, we request you to kindly accept the CA certified certificate as well.</p>	Please Refer Revised RFP Document
555	Section II, Introduction & Eligibility Criteria 2.1 Introduction Page No. (11 of 106), Point No. 5	The bidder must have positive net worth and should be Profit making in each of the last three financial years as on 31st March, 2017	<p>In the large organization, the annual report will be published during every year of August. Hence we kindly request you to amend the clause as follows:</p> <p>The bidder must have positive net worth and should be Profit making in each of the last three financial years as on 31st March,2016.</p>	Please Refer Revised RFP Document
556	Section VII, Formats & Annexures Format VI-Financial Details of Bidders, Page No. (102 of 106)		<p>In the large organization, the annual report will be published during every year of August. Hence we kindly request you to amend the clause as follows:</p> <p>Turnover for (2013-2014, 2014-2015, 2015-2016) Fy's and Networth for (2013-2014, 2014-2015, 2015-2016) Fy's</p>	Please Refer Revised RFP Document
557	Section III, Scope of Work Proof of Concept (PoC), Point No. 3 Page No. (33 of 106) Section VII, Formats & Annexures Format VIII-Compliance and statement, Page No. (103 of 106)	<p>3.) The Bidder is free to choose make and model (3 different OEM's) for the PoC of the CCTV.</p> <p>However out of these 3 OEMs one make and model must be the same which is proposed/quoted in the Technical and price bid by the bidder</p> <p>should ensure that only one make and model is proposed for one component (for each line item) in Technical Bid</p>	<p>Kindly note that, both the clause are contradicting.</p> <p>We understand that, we can propose 3 OEMs Make and model for each line item in technical bid.</p> <p>Kindly confirm</p>	<p>Please refer Format VIII: compliance statement "4.) SI should ensure that only one make and model is proposed for each line item in Financial as well as in Technical Bid document"</p> <p>Note: For PoC bidder is required to show product of 3 Diferent OEM's out of which one should be the same as quoted in the financial bid.</p>

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
558	Specific Requirement, Caluse no.6	Bidder should have demonstrable expertise and experience in executing at least ONE project of Network Integration / Systems Integration/Data Centre (setting up or O&M) anytime during last five years as on bid issuance date, having a minimum value of Rs. 50 crores or TWO projects having a minimum value of Rs. 25 crores each. Note: In case Bidder is a wholly owned subsidiary, the experience of Parent company would be considered for eligibility	Since the project estimated cost is around 350 Cr, we would request you to keep the eligibility of atleast 280 Cr (one project) or two projects of 140 cr (approximate 80 % value of the project)	No Change
559	Section V, Instruction to Bidders, Format VIII-Compliance and statement, 5.10.2.3 PRICE BID SECTION Page No. (73 of 106)	5.10.7 Offered price should be exclusive of all applicable taxes such as VAT/CST/Service Tax, FOR destination (anywhere in Gujarat state).	Please confirm that VAT/CST/Service Tax shall reimbursed extra at actual over and above the quoted bid price for evaluation (Exclusive of Taxes)	Please refer the Price Bid Format
560	Section V, Instruction to Bidders, Format VIII-Compliance and statement, 5.10.2.3 PRICE BID SECTION Page No. (73 of 106)	5.10.3 Price shall be inclusive of all freight, forwarding, transit insurance and installation charges. Prices shall be inclusive of Excise Duties. The prices shall strictly be submitted in the given format. Quoted prices shall be without VAT. The tax (VAT) components as applicable shall be mentioned separately in the respective columns.	It is understood that the supply value to be quoted should be exclusive of VAT and service value should be exclusive of service tax. However in the price bid schedule it is indicated to mention rate of VAT / service tax. As the supply schedule consist of combination of various goods, the rate of VAT varies and hence the schedule shall be modified to indicate VAT amount for goods and service tax for service portion	1) No Change. 2) For taxation purpose only- Bidder can bifurcate (Goods and Services) portion of the unit price quoted in the price bid at the time of invoice. 3) successful Bidder is required to submit a detailed letter before the 1st invoice clearly defining the Goods and Service portion seperately of each and every line items.
561	Section VI, Price Bid, Price bid Page No. (90 of 106)		It is understood that the supply value to be quoted should be exclusive of VAT and service value should be exclusive of service tax. However in the price bid schedule it is indicated to mention rate of VAT / service tax. As the supply schedule consist of combination of various goods, the rate of VAT varies and hence the schedule shall be modified to indicate VAT amount for goods and service tax for service portion	As Above
562	General	Taxes	Please clarify the following: 1) Please confirm, that entry tax and octroi shall be paid extra and not included in the Bid price. 2) Kindly confirm that GoG shall provide 'C form'. 3) Kindly confirm statutory variation due to introduction of new taxes & duties Viz implementation of GST is payable to SI by the GoG at actuals	1.) No change, Please refer point 5.10.3 of the RFP 2.) No 3.) Once GST is Implemented, the SGST will be paid instead of VAT at actuals
563	Section II, Introduction & Eligibility Criteria 2.1 Introduction Page No. (10 of 106)	Home Department, Government of Gujarat envisage to implement SASGUJ as a State-wide surveillance project across the state covering approximately 165 Cities spread across the state in a phased manner. Phase-I of the project will cover around 44 major cities and phase-II of the project will cover remaining 120 cities of the state.	we understand that the overall project scope is 165 cities, however in RFP it is mentioned that for Phase I - 44 cities and Phase II - 120 Cities, together 164 cities only. Kindly clarify	No Change
564	Section III, Scope of Work, 3.1.1.1 General Obligation under the system Integration Page No. (16 of 106)	p) The RoW (Right of Way) wherever required for the digging and laying of underground cables for last mile connectivity and foundations has to be obtained by the successful bidder at its own cost, however the TENDERER shall help in obtaining such permissions. The TENDERER will reimburse the RoW charges to the successful bidder on submission of the actual receipts of the such charges paid.	We request you to amend the clause as below: The RI (Re- Instatement)/ROW(Right Of Way) charges shall be borne by Customer and bidder will provide necessary support on the document preparation for approval and customer shall be responsible for providing approval. Any delay attributed to ROW(Which impacts overall schedule of the project) shall be suitable compensated. Kindly confirm.	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
565	Section V, Instruction to Bidders, 5.28 LIMITATION OF LIABILITY Page No. (79 of 106)	Selected agency's cumulative liability for its obligations under the contract shall not exceed the value of the charges payable by the TENDERER within the remaining duration of the contract term from the day claim is raised and selected agency shall not be liable for incidental, consequential, or indirect damages including loss of profit or saving.	we kindly request to add the following in the clause as Notwithstanding the above the total liability of the selected agency will be limited to 100 % of the amount receivable for the unfinished scope of work by the selected agency of the total contract value of this Project.	No Change
566	Section V, Instruction to Bidders, 5.30 Payment Terms Page No. (80 of 106)	<p>A) Central Infrastructure Successful Delivery and Inspection of Hardware/Equipment at the central location/ Bidder's Warehouse - 50% of the Sum total of schedule I of financial bid Successful Installation, commissioning and FAT - 30% of the Sum total of schedule I of financial bid Successful Completion of 6 months from the date of FAT - 20% of the Sum total of schedule I of financial bid</p> <p>B) End Devices, and Edge Locations Infrastructure Successful Delivery and Inspection of each lot of 25 % at the central location/ Bidder's Warehouse - 60% of the Sum total of schedule I of financial bid Successful Installation, Commissioning & FAT of each lot of 25% - 30% of the Sum total of schedule I of financial bid Successful Completion of 3 months from the date of FAT - 10% of the Sum total of schedule I of financial bid</p>	<p>We kindly request to amend the clause as follows:</p> <p>A) Central Infrastructure Successful Delivery and Inspection of Hardware/Equipment at the central location/ Bidder's Warehouse - 80% of the Sum total of schedule I of financial bid Successful Installation, commissioning and FAT - 10% of the Sum total of schedule I of financial bid Successful Completion of 6 months from the date of FAT - 10% of the Sum total of schedule I of financial bid</p> <p>B) End Devices, and Edge Locations Infrastructure Successful Delivery and Inspection of each lot of 25 % at the central location/ Bidder's Warehouse - 80% of the Sum total of schedule I of financial bid Successful Installation, Commissioning & FAT of each lot of 25% - 10% of the Sum total of schedule I of financial bid Successful Completion of 3 months from the date of FAT - 10% of the Sum total of schedule I of financial bid</p>	No Change
567	Section V, Instruction to Bidders, 5.33 Service Level and Penalty clause Page No. (84 of 106)	The Overall Penalty for Schedule I shall be capped at 10 % of the contract value or 20 % of the unpaid item, whichever is less. However maximum cap is 10 % of the contract value (Schedule I)	We kindly request to amend the clause as maximum cap as 5% of the contract value (Schedule I)	No Change
568	Section III, Scope of work, 3.2 Implementation Timelines Page No. (32 of 106)	<p>3. Delivery of the IT and Non-IT Equipment of central Infrastructure as defined in BoQ (hardware and software) at a central location/Vendors Warehouse - Within 45 calendar days from the date of Approval of the PoC</p> <p>4. Delivery of Edge Location Infrastructure like Cameras, Switches, Junction Boxes, UPS etc. at central location /Vendors Warehouse of respective City/Locations - 1st Lot: 25% of the Work order – within 45 calendar days 2nd Lot: 50% of the Work order -within 60 calendar days** Final Lot: Remaining 25% of the work order- within 90 calendar days** (**from the date of approval of PoC)</p> <p>6. Development/Customization and testing of the proposed software / Mobile Application(s) (central side infrastructure) - Within 90 calendar days from the date of approval of PoC</p> <p>7. Installation and Commissioning and FAT of hardware/software at end point Locations - Within 150 calendar days from the date of approval of PoC</p>	<p>3. Delivery of the IT and Non-IT Equipment of central Infrastructure as defined in BoQ (hardware and software) at a central location/Vendors Warehouse - Within 120 calendar days from the date of Approval of the PoC</p> <p>4. Delivery of Edge Location Infrastructure like Cameras, Switches, Junction Boxes, UPS etc. at central location /Vendors Warehouse of respective City/Locations - 1st Lot: 25% of the Work order – within 120 calendar days** 2nd Lot: 50% of the Work order -within 180 calendar days** Final Lot: Remaining 25% of the work order- within 210 calendar days** (**from the date of approval of PoC)</p> <p>6. Development/Customization and testing of the proposed software / Mobile Application(s) (central side infrastructure) - Within 210 calendar days from the date of approval of PoC</p> <p>7. Installation and Commissioning and FAT of hardware/software at end point Locations - Within 300 calendar days from the date of approval of PoC</p>	Please Refer Revised RFP Document

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
569	Section V, Instruction to Bidders, 5.35 Project Implementation, Point No. 5.35.5 Page No. (86 of 106)	5.35.5 The successful bidder shall arrange to obtain all statutory and regulatory permission (if any) at no cost to the Government of Gujarat.	3. Delivery of the IT and Non-IT Equipment of central Infrastructure as defined in BoQ (hardware and software) at a central location/Vendors Warehouse - Within 120 calendar days from the date of Approval of the PoC 4. Delivery of Edge Location Infrastructure like Cameras, Switches, Junction Boxes, UPS etc. at central location /Vendors Warehouse of respective City/Locations - 1st Lot: 25% of the Work order – within 120 calendar days** 2nd Lot: 50% of the Work order -within 180 calendar days** Final Lot: Remaining 25% of the work order- within 210 calendar days** (**from the date of approval of PoC) 6. Development/Customization and testing of the proposed software / Mobile Application(s) (central side infrastructure) - Within 210 calendar days from the date of approval of PoC 7. Installation and Commissioning and FAT of hardware/software at end point Locations - Within 300 calendar days from the date of approval of PoC	Please Refer Revised RFP Document
570	General	General	Our understanding is that variation in quantity as given in price schedule shall be limited to only ± 15% of original quantity.	As per RFP
571	Section III, Scope of Work, 3.1.1.1 General Obligation under the system Integration Page No. (19 of 106)	Actual power/electricity required will be provided by TENDERER. However, extension till the last mile/actual utility will be in the scope of successful bidder. Further the Recurring Electricity charges under the project shall be paid by the TENDERER	We kindly request you to provide the Electricity connection till junction Box, if not so kindly confirm the distance between with Electrical point to junction Box, which bidder has to consider for extending the cable.	No Change
572	Section III, Scope of Work. 3.1.2. Operations and Maintenance (O&M) of the project Point No. 3.1.2.6 Page No. (24 of 106)	B)The scope of work under O&M is not limited to the IT and Non-IT Infrastructure components deployed by the successful bidder but it also includes O&M for any additional equipment / devices / hardware / software related to the project supposed to be procured during the contract period of 5 years by the TENDERER C)O&M charges for any such additional work shall be paid at 2% per annum of the cost of such additional equipment/devices/hardware/software component to be deployed at the central site and the rate of 10% per annum for the end point devices. Further successful bidder is required to comply with the overall SLA requirement of contract for any such additional SoW.	Kindly Clarify	No Change
573	Section III, Scope of Work 3.1.2.13 Manpower Requirement Page No. (29 of 106)	a) The minimum requirement of manpower resources, their qualification and responsibility of each resource is given below. The bidder has to ensure that appropriate qualified manpower with requisite skill sets is deputed for the project.	We understand that Minimum Manpower need to be provided as per the table in clause no 3.1.2.13. Kindly clarify whether such resources are required for 24/7 operations, so that all bidders consideration shall be at PAR.	Manpower/resources asked in the bid are dedicated onsite manpower to be deployed for the contract duration. Deployed resources has to observe the working hour, days of the TENDERER and shall be responsible to provide necessary support during the non working hours, days in case the need arises to meet the required SLA's and service availability to the TENDERER

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
574	Section III, Scope of Work 3.1.2. Operations and Maintenance (O&M) of the project Page No. (24 of 106)	3.1.2.2 Tenderer will issue a separate RFP for the requirement of connectivity at all the locations. However, Network management system supplied, installed, configure and commissioned by this successful bidder should allow to discover, manage and monitor the connectivity links provided by the successful bidder of connectivity RFP. Further the successful bidder of this RFP is only responsible for discovery, monitoring, logging of service request (in case of link is down) etc.	Any delay in connectivity shall be attributable to customer, successful bidder will be given additional time to compensate this delay without any penalty	Downtime due to connectivity related outages shall not be accounted for penalty on the part of the bidder
575	Section III, Scope of Work Approach Page No. (14 of 106)	At present various surveillance projects are implemented across the states with distributed approach and are working in silos.	Kindly provide the existing projects VMS make and model, ITMS make and model, camera make and model for the annexure B and Rajkot project surveillance system make and model to check the feasibility /availability of API/SDK sharing feature, with new system? Also confirm all the existing cameras support ONVIF	Please Refer Revised RFP Document
576	Section III, Scope of Work Approach Page No. (14 of 106)	Successful bidder of SASGUJ is responsible for integration of the Rajkot CCTV surveillance project with SASGUJ.	Kindly provide the system deployed in Rajkot CCTV Surveillance project?	The Tender process for the rajkot project is on going
577	Section III, Scope of Work [x]Mobile ANPR Page No. (20 of 106)		Please provide the quantity for Mobile ANPR System.	Please refer Sr. No. 486
578	Section III, Scope of Work POC (Proof of Concept) Page No. (33 of 106)	2. During the PoC, successful bidder is required to deploy at least 50 CCTV cameras with all systems (ANPR, RLVD, Speed Violation,) at the locations specified by the TENDERER.	Kindly clarify, how many locations/district required to showcase the POC f. Also kindly confirm in each location how many or ANPR, RLVD, speed violation and surveillance cameras to be shown?	The POC Has to be demonstrated at one traffic junctions at location specified at Ahmedabad/Gandhinagar. The camera details for deployment of POC for capabilities i.e. ANPR, RLVD, Speed Violation, Surveillance shall be shared with the successful bidder
579	Section IV, Technical Specification 4.5 Video Analytics Application, Point No. 6 Page No. (46 of 106)	Video analytics application Should have an interface to Create sketches, Composite (Human like Figure) of description. There Shall be different options available for describing hair color and style, Facial the suspect based on Attributes, shirts, trousers, patterns, etc.	We assume this calls for resembling person detection based on attributes (i.e. Body color, Dress pattern, color, hat types, bag/suitcase being carried), that can be detected from surveillance camera views and not the true face recognition system	Please refer Sr. No. 65
580	Section IV, Technical Specification 4.35 Access Control System, Page No. (64 of 106)		Kindly provide number of Single leaf/Double leaf doors for calculating the Access control readers or please share the layout for Access control system for Command control centre, District control room, City control room	Access Control Reader is to be deployed at 03 Nos. of Single Door at each of the city /State Centre
581	Section IV, Technical Specification 4.35 Access Control System, Page No. (64 of 106)	Support for Biometric, Pin & Smart Card Applications	Please confirm how many doors to be equipped with Biometric units?	Access Control Reader is to be deployed at 03 Nos. of Single Door at each of the city /State Centre
582	Section VI, Price Bid, Price bid, Point No. 66 Page No. (93 of 106)	IP Camera Type A: ANPR and Speed Detection	Please provide the breakup of ANPR and Speed detection cameras	Please Refer Revised RFP Document
583	Section IV, Technical Specification 4.15 Camera Type A (Box Cameras for ANPR, RLVD, Speed Detection), Point No. 11 Page No. (52 of 106)	External Illuminator with visibility should be at least 50m	Camera with inbuilt IR illuminator can also be proposed? Please confirm	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
584	Section VI, Price Bid, Price bid, Page No. (91 of 106)	For District control room & City control room	Please confirm how many District control room and City control room and provide the distance between them	Please Refer Revised RFP Document
585	Annexure A, List of Locations with No. of cameras Page No. (104 of 106)	As per Annexure A-38 Locations	There are 4410 cameras separated by 38 locations whereas in the boq total quantity comes to 4459 cameras? Please confirm the actual count of cameras	Please Refer Revised RFP Document
586	Section III, Scope of Work 3.1.1. System Integration Component: Page No. (15 of 106)	Bidder is required to consider total sizing of the project (Phase I & II) to the tune of around 20,000 cameras out of which approx. 6500 cameras will be installed under the phase-I of the project.	Proposed price bid consist of around 5000 cameras and the specifications calls to size 20,000 cameras, 6500 cameras will be come under phase-1. There is a gap in the quantity variation and hence request to provide the clarity on the camera count	Please Refer Revised RFP Document
587	Section IV, Technical Specification 4.1 Video Management System Page No. (36 of 106)	The VMS should have seamless redundancy solution for its main components: the central database, Central Video Storage Servers, and the distributed video recorders and database	Please confirm whether we need to provide n+1 redundancy or N+N redundancy.	The bidder is required to size the redundancy of the proposed solutions such that the required SLA can be met for the entire contract duration
588	Section III, Scope of Work 3.1.1.2 CITY SURVEILLANCE SYSTEM, Clause h) Page No. (17 of 106)	To receive collaborative videos from public & private agencies locations (airport, railway stations, roadways, temples, malls, metro stations, fair, festivals etc.) and to display the selected videos on videos on wall and store them, if required.	Please provide the list of existing systems to be integrated including details such as Camera make, Model, VMS make and version, availability of SDK/API of system etc.	Please Refer Revised RFP Document
589	Section III, Scope of Work 3.1.1.2 CITY SURVEILLANCE SYSTEM, Clause h) Page No. (17 of 106)	To receive collaborative videos from public & private agencies locations (airport, railway stations, roadways, temples, malls, metro stations, fair, festivals etc.) and to display the selected videos on videos on wall and store them, if required.	Please confirm whether new system is expected to record the video feeds coming from collaborative systems? If yes, what is the resolution FPS, retention period for that recording.	This has been asked as a functionality of the VMS, the same may be utilized as per the requirement of the TENDERER
590	Section IV, Technical Specification 4.5 Video Analytics Application Page No. (46 of 106)	Video analytics application :- The applications should also be able to do People search based on a given description/attributed/Sketch/Full length photograph .	Is there any expected stipulated time limit within which system shall be able to deliver the match results for required people search initiated by operator?	Please refer Sr. No. 65
591	Section III, Scope of Work 3.1.1.4 STORAGE /RECORDING REQUIREMENT: Page No. (17 of 106), Point No. C)	The video feeds would be kept for 30 days. After 30 days, the video feeds would be overwritten unless it is flagged or marked by the Police/appropriate authority for investigation or any other purpose. The video feeds of all relevant cameras capturing the incident in question would be stored until the Police/appropriate authority deem it good for deletion. Further, incidents that are flagged by the Police or any court order, the video of the relevant portion from all relevant cameras should be stored/archived separately for investigation purposes at the District HQ and the centralized CCC as decided by the TENDERER.	Please provide the recording resolution, FPS and bitrate to be considered for storage estimation purpose or kindly confirm can we go ahead as per the Annexure C	Please Refer Revised RFP Document
592	Section VI, Price Bid, Price bid, Point No. 20 Page No. (91 of 106)	VMS software and Video Analytics for stored videos, Mobile Application for remote viewing of video feeds (With all required hardware for all locations)	Qty mentioned as 1, Please help us to provide the exact quantity of analytics license and mobile application client at each location for correct hardware sizing	Please Refer Revised RFP Document
593	General	Existing backbone & ISP	Please provide the details of if any Existing backbone infrastructure and also Internet service provider partner to transfer the data from the edge devices to the central location	The Bandwidth and connectivity will be taken up through a
594	Section III, Scope of Work 3.1.1.3 INTEGRATED TRAFFIC MANAGEMENT SYSTEM c) Automatic Number Plate Recognition (ANPR) System Page No. (18 of 106)	(vii) The Accuracy of ANPR system should be more than 90% in case of standard English Alphanumeric Font and High Security Registration plates and 75% for non-standard Fonts, 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.	Detection & reading accuracies are highly dependent upon various external factors such as License Plate condition (type,size,broken, dirty etc.).The system should have an accuracy of at least 70% vehicle number plate recognition capability for printed license plates in standard format and fonts of 4-wheelers".	No Change
595	Annexure A, List of Locations with No. of cameras Page No. (104 of 106)	List of locations with no. of cameras	Please detailed out in each district how many sub locations/Junctions are available?	Please Refer Revised RFP Document

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
596	Annexure A, List of Locations with No. of cameras Page No. (104 of 106)	List of locations with no. of cameras	What is the minimum/ maximum cameras will be required in each junctions	Please Refer Revised RFP Document
597	Annexure A, List of Locations with No. of cameras Page No. (104 of 106)	List of locations with no. of cameras	Kindly provide the connectivity details from the edge device to the central location	The Bandwidth and connectivity will be taken up through a sepearete RFP
598	Annexure A, List of Locations with No. of cameras Page No. (104 of 106)	List of locations with no. of cameras	Kindly provide the Bandwidth availability at each locations	The Bandwidth and connectivity will be taken up through a sepearete Connectivity RFP
599	Annexure A, List of Locations with No. of cameras Page No. (104 of 106)	2. The L1 Shall be calculated as L1 Price = {Sum Total of all the line Items i.e. Item no.1 to 20 and 22 to 73 of schedule I} + (100* Total Cost of Item no. 33 of schedule I) + {O&M Charges as per Schedule II}, without Taxes.	Kindly explain logic behind this calculation to understand the scalability requirement of this project.	As per RFP
600	Section V, Instruction to Bidders, 5.16 AWARD OF CONTRACT Page No. (74 of 106)	5.16.2 The TENDERER right to vary requirements at time of award: The TENDERER reserves the right at the time of award to increase or decrease quantity for the requirements originally specified in the document without any change in Bid rate or other terms and conditions.	We request you to limit the quantity variation as + or - 20%	No Change
601	Section V, Instruction to Bidders, 5.33 SERVICE LEVEL AND PENALTY CLAUSE Operational Penalties during the O&M Period Page No. (84 of 106)	<input checked="" type="checkbox"/> 99.00% or Better= NIL <input checked="" type="checkbox"/> 98.50% to 98.99%=0.50% of QP <input checked="" type="checkbox"/> 98.00 to 99.49% = 1.00% of QP <input checked="" type="checkbox"/> less than 98% = 1.50% of QP	Kindly amend this as follows <input checked="" type="checkbox"/> 99.00% or Better= NIL <input checked="" type="checkbox"/> 98.50% to 98.99%=0.50% of QP <input checked="" type="checkbox"/> 98.00 to 98.49% = 1.00% of QP <input type="checkbox"/> less than 98% = 1.50% of QP	Please Refer Revised RFP Document
602	Section IV, Technical Specification 4.11 Video Wall Solution, Point No. 1 Page No. (49 of 106)	Full HD IPS LED/DLP Display, Direct LED Backlight, Display suitable for use in video wall with bezel to bezel distance not more than 3mm	Please add SPVA Panel & make bezel to bezel distance not more than 3.5mm to increase competition	No Change
603	Section IV, Technical Specification 4.11 Video Wall Solution, Point No. 17 Page No. (49 of 106)	Display Controller: Video Distributor, Display controller to control Video wall in a matrix asper requirement with necessary software:	Please remove the word Video Distributor	Please Refer Revised RFP Document
604	Section IV, Technical Specification 4.11 Video Wall Solution, Point No. 17 Page No. (49 of 106)	Display Controller: Video Distributor, Display controller to control Video wall in a matrix asper requirement with necessary software:	Please clarify the exact no. & type of inputs in the controller	As per RFP
605	Section VI, Price Bid, Schedule I Price bid, Point No. 20 Page No. (90 to 92 of 106)	For Command and Control Centre: Video Wall Solution for the state Center - 55", in a 4 X 3 arrangement (with video Controller)- 1 no. For District Control Room's: Video Wall Solution- Type 2 for the District Control Room, in a 4 X 2 arrangement (with video Controller)- 29 nos. For City Control Room: Video Wall Solution- Type 3 for the City Control Room, in a 2 X 2 arrangement (with video Controller)- 10 nos.	Please confirm the quantity is as per Price Bid schedule-1 as Pg 106, Annexure-C (category wise details) menrions the configurations as: 1 Nos. (4X 3 matrix) at Command and Control Center 1 Nos. (2 X 2 Matrix) at District Category 1 1 Nos. (2 X 3 Matrix) at District Category 2 1 Nos. (3 X 3 Matrix) at District Category 3 1 Nos. (2 X 1 Matrix) at City Category 1 1 Nos. (2 X 2 Matrix) at City Category 2 Please let us know which is the final quantity & configuration	Please Refer Revised RFP Document
606	Section III, Scope of Work 3.1.1.5 Video Wall, Point No. b) Page No. (21 of 106)	The video wall shall use multi-monitor (e.g., different monitor can display different input source) and split screen (e.g., several intersections can be displayed on one monitor) display technology to provide the flexibility to accept audio and video inputs Camera system, TV signal, recorded video, and Laptop computer.	Please clarify the exact no. & type of input sources in the controller For cameras, please clarify: Do we need to decode these or we will get decoded inputs from customer? If we need to decode, please let us know: 1. Exact no. of cameras to be decoded & at what resolution 2. Format (H.264/ MJPEG/ MPEG-2/ MPEG-4)	As per RFP

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
607	Section V, Instruction to Bidders, 5.30 PAYMENTS TERMS Page No. (81 of 106)	At clause 34.1 it is mentioned that while making payment, necessary income tax and service tax deductions	As per Finance Act, 1994 there is no such provision for deduction towards service tax. Kindly clarify	Please refer Revised RFP Document
608	5.15.3 Financial Bid Evaluation	The Financial Bids of qualified bidders only would be opened and evaluated to determine the L1 (lowest) bidder.	<p>1. While as a great step of POC has been indicated for successful bidder and successful bidder is only decided on L1 price. As per our experience with industry, we have seen over many tenders that tenders are high jacked over L1 price but later due to inability of successful bidders in executing the project (technically/financially/project management), these are not taken forward and have to be cancelled at a later date having a big inconvenience for the customer. We would like to suggest to go for QCBS (Quality & Cost Based Selection) so suggestion is:a) Step 1: Tender should have Pre-qualification as required b) Step 2: Technical evaluation through i) Technical presentation of the solution being proposed ii) Technical proposal on the proposed solution iii) POC Demonstration For Step 2: The Relative Technical Score (RTS) carries 70% of the weightage, while Relative Financial Score (RFS), to be calculated given 30% weightage Typically QCBS evaluates the participants based on Profile of the company, Project experience for city wide CCTV deployment, experience on each element of the products being used for your specific project like Cameras at public places including poles, ANPR/Red light violation/Analytics experience, Networking experience, Command Control Centre experience & overall Project execution experience for such large project. Apart from that evaluation can also cover technical capabilities on product side being used, people profile, Design ruggedness, Project Management & Execution strategy including Training, Presentation & Proof of Concept</p>	No Change
609	prequalifications/selection for CCTV and VMS	Pre-qualification for CCTV Cameras & VMS is not given	No indication in the prequalification has been given for CCTV and VMS suppliers (like Gartner and IDC for Networking server and storage)	No Change
610	General	General	<p>"The Contractor shall not, without the express prior written consent of the Employer, assign to any third party the Contract or any part thereof, or any right, benefit, obligation or interest therein or there under, except that the Contractor shall be entitled to assign either absolutely or by way of charge any monies due and payable to it or that may become due and payable to it under the Contract to any Financial Institution(s) or Bank(s) or NBFC(s).</p> <p>In the event the Contractor assigns the monies due and payable to it or that may become due and payable to it, under the Contract, to any Financial Institution(s) or Bank(s) or NBFC(s), the Employer shall acknowledge the intimation letter it may receive from such financial institution(s) or Bank(s) or NBFC (s). If the Employer does not reply within 15 days of the receipt of the intimation letter, it can be considered as "acknowledged by the Employer". Furthermore the Employer will provide an indicative date by when the funds will be released to the Contractor as a measure of comfort for the decisions of Financial Institution(s) or Bank(s) or NBFC(s)".</p>	No Change
611	60/4.27 - Server/Network Interface	2 X 10Gbps ports for providing Ethernet connectivity 2 X Dual-port 10Gbps FC/FCoE/HBA for providing FC connectivity	Fiber Channel (FC) is available either in 8Gbps or 16Gbps with 16Gbps being the industry standard FC connectivity. Hence request to change this clause to "Minimum 2 X Dual-port 16Gbps FC/FCoE/HBA for providing FC connectivity"	Please refer revised RFP Document
612	60/4.27 - Server/Network Interface	2 X 10Gbps ports for providing Ethernet connectivity 2 X Dual-port 10Gbps FC/FCoE/HBA for providing FC connectivity	Our Understanding from this clause is vendor need to provide minimum 4 physical ports. Out of 4 ports - 2 ports will be used for Ethernet connectivity and 2 will be used for fiber channel connectivity. Please confirm?	Please refer revised RFP Document
613	67 & 68/4.39 / 4.40 - Storage (For applications) and Storage (For Videos)/Storage	Storage (For applications) and Storage (For Videos)	The Storage Technology has evolved over the years and Storage Pioneers and Leaders have Unified/Converged Storage Offering which can accommodate both Block Level Data & File Level Data within the same Appliance without requirement of any additional separate Storage unit for Video files (File Level Data). Consolidating the Storage requirement will not only save the costing for another appliance but will also ease out the Storage Operations & Maintenance. The overall Project complexity will also be reduced to a great extent due to consolidation of Storage. Hence, we strongly recommend to Consolidate the Storage solution as Common Converged Storage Storage (For Applications & Videos).	No Change
614	67/4.39 - Storage (For applications)/Storage - Front-end ports	Front End: Minimum 8 x 10Gbps FC/FCoE ports for host connectivity scalable to 16 ports	There are TWO types of Host connectivity namely, Fiber Channel (FC) and iSCSI/Ethernet. FC works at 8Gbps/16Gbps and iSCSI/Ethernet works at 1Gbps/10Gbps respectively. Block-Level Data like Applications Data requires 8Gbps/16Gbps FC connectivity with Host Server(s) and File-Level Data like Video Files require 10Gbps iSCSI/Ethernet connectivity to Host Server(s). Hence, it is imperative to mention the requirement for both in the specifications so as to enable Block-Level and File-Level Access within the Appliance. Front-End: Minimum 4 X 16Gbps FC ports for Host Connectivity & 4 X 10Gbps iSCSI/Ethernet Host Connectivity & scalable to total 16 ports.	Please refer revised RFP Document
615	68/4.40 - Storage (For Videos)/Storage for Video	Controllers shall be active-active so that a single logical unit can be shared across all offered controllers, while supporting all the major functionalities like Thin Provisioning, Data tiering.	This clause is missing in Video Storage. Active-Active Storage Controllers with Single Logical Unit shared across all offered Controllers is imperative for a Robust Storage Solution Design and Reliable Storage Solution which is the basic requirement in such Critical Project for the State. Hence, we request you to add the below in Video Storage: "Controllers shall be active-active so that a single logical unit can be shared across all offered controllers, while supporting all the major functionalities like Thin Provisioning, Data tiering."	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
616	68/4.39 - Storage (For applications)/Storage for Application	Controllers shall be active-active so that a single logical unit can be shared across all offered controllers, while supporting all the major functionalities like Thin Provisioning, Data tiering.	<p>In order to create NSPOF High-availability architecture; we request you to add below requirement within the same clause:</p> <p>"Controllers shall be active-active so that a single logical unit can be shared across all offered controllers, while supporting all the major functionalities like Thin Provisioning, Data tiering. Even in the event of failure of one of the two Storage Controllers, there should be no performance degradation, no latency, no increase in Storage resources utilization. The Storage Array should be able to deliver the same performance with one Controller (in the event of failure of one Storage Controller), as it was performing with both Active-Active Controllers working together."</p>	No Change
617	68/4.40 - Storage (For Videos)/Storage for Video	Controllers shall be active-active so that a single logical unit can be shared across all offered controllers, while supporting all the major functionalities like Thin Provisioning, Data tiering.	<p>In order to create NSPOF High-availability architecture; we request you to add below requirement within the same clause:</p> <p>"Controllers shall be active-active so that a single logical unit can be shared across all offered controllers, while supporting all the major functionalities like Thin Provisioning, Data tiering. Even in the event of failure of one of the two Storage Controllers, there should be no performance degradation, no latency, no increase in Storage resources utilization. The Storage Array should be able to deliver the same performance with one Controller (in the event of failure of one Storage Controller), as it was performing with both Active-Active Controllers working together."</p>	No Change
618	56/4.21 Internet Router/clause no.3	BGP Prefix independent control (EDGE and Core) for IPV4 and IPV6,	<p>Request you to please remove this point.</p> <p>BGP Prefix independent control (EDGE and Core) for IPV4 and IPV6 is still in Internet Draft stage. https://tools.ietf.org/html/draft-ietf-rtgwg-bgp-pic-01</p> <p>Internet-Drafts are draft documents valid for a maximum of six months and may be updated, replaced, or obsoleted by other documents at any time. It is inappropriate to use Internet-Drafts as reference material or to cite them other than as "work in progress." Once it will become a Standard, all the OEMs will incorporate it in their software code.</p> <p>This feature is required not required at the internet router. This is more related to service provider environment and not in usual Surveillance requirement.</p>	Please refer Revised RFP Document
619	57/4.22 Router/clause no.12	Router should have a dedicated OOB Management port using CLI(SSH), WebUI(SSL), SNMP (v1, v2, v3), TFTP, etc.	<p>Request you to please change to WebUI SSL/WebUI.</p> <p>For access of core Router through OOB, a Jump Server is required which will integrate with the Policy Server as well as TACACS server to have a valid and secure access of the network device.</p> <p>The secure access can be achieved through AAA server. For device access, the best practice is to have TACACS server and then authorise the user through TACACS Server so as to have access of the network device.</p>	No Change
620	57/4.23 Managed L3 Switch/clause no.8	Should have a dedicated OOB Management port using CLI(SSH), WebUI(SSL), SNMP (V1, V2, V3), TFTP, etc.	<p>Request you to please change to WebUI SSL/WebUI.</p> <p>For access of core Router through OOB, a Jump Server is required which will integrate with the Policy Server as well as TACACS server to have a valid and secure access of the network device.</p> <p>The secure access can be achieved through AAA server. For device access, the best practice is to have TACACS server and then authorise the user through TACACS Server so as to have access of the network device.</p>	No Change
621	58/4.24 Managed L2 Switch/clause no.7	Should have a dedicated OOB Management port using CLI(SSH), WebUI (SSL), SNMP (V1, V2, V3), TFTP, etc.	<p>Request you to please remove the dedicated OOB.</p> <p>At L2 switch, the utility of OOB management port is not there as it is required in the data center Core Switch/Core Router.</p> <p>Request you to please change to WebUI SSL/WebUI.</p> <p>The access switch will not have the OOB network and it will not be accessed from outside the datacenter if the primary ISP connectivity is down.</p> <p>The internal secure access can be achieved through AAA server. For device access, the best practice is to have TACACS server and then authorise the user through TACACS Server so as to have access of the network device.</p>	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
622	59/4.25 - Managed Outdoor L2 Switch, PoE with Fibre Port/clause no. 14	Temperature: Ambient temperature range of 0 ° C to 55 ° C. The bidder has to take into consideration of the internal temperature adjustment of the junction box	<p>Ambient temperature is the air temperature of any environment where network and related equipment are kept.</p> <p>The temperature asked for outdoor camera is 0 ° C to 55 ° C and the outdoor camera will be placed in open air while the switch will be placed inside the temperature regulated junction box. Hence, the ambient temperature within the junction box will be lesser than the outside temperature because the encloser will have the inbuilt fan for maintaing the internal temperature up to 45 ° C.</p> <p>Hence, we request you to please change the Ambient temperature range to 0 ° C to 45 ° C of the internal temperature adjustment of the junction box.</p>	Please Refer Revised RFP Document
623	4.25 - Managed Outdoor L2 Switch, PoE with Fibre Port/clause no. 15	10 % to 90 % RH, non condensing	<p>Please change it to 15 % to 90 % RH, non-condensing or 90 % RH</p> <p>Relative humidity (RH) is the ratio of the partial pressure of water vapor to the equilibrium vapor pressure of water at a given temperature. Warm air can hold more water than cool air. But if the air (warm or cool) is holding half as much moisture as it can hold when saturated, the relative humidity will be is 50 percent.</p> <p>In the PTZ camera only 80% RH non-condensing within enclosure is mentioned so our request is either mentioned the upper limit like 90% RH or change it to rane between 15% to 90%.</p>	No Change
624	59/4.26- Managed Outdoor L2 Switch with PoE - 8-port/clause no. 29	Temperature: Ambient temperature range of 0 ° C to 55 ° C. The bidder has to take into consideration of the internal temperature adjustment of the junction box	<p>Ambient temperature is the air temperature of any environment where network and related equipment are kept.</p> <p>The temperature asked for outdoor camera is 0 ° C to 55 ° C and the outdoor camera will be placed in open air while the switch will be placed inside the temperature regulated junction box. Hence, the ambient temperature within the junction box will be lesser than the outside temperature because the encloser will have the inbuilt fan for maintaing the internal temperature up to 45 ° C.</p> <p>Hence, we request you to please change the Ambient temperature range to 0 ° C to 45 ° C of the internal temperature adjustment of the junction box.</p>	Please Refer Revised RFP Document
625	59/4.26- Managed Outdoor L2 Switch with PoE - 8-port/clause no.30	10 % to 90 % RH, non condensing	<p>Please change it to 15 % to 90 % RH, non-condensing or 90 % RH</p> <p>Relative humidity (RH) is the ratio of the partial pressure of water vapor to the equilibrium vapor pressure of water at a given temperature. Warm air can hold more water than cool air. But if the air (warm or cool) is holding half as much moisture as it can hold when saturated, the relative humidity will be is 50 percent.</p> <p>In the PTZ camera only 80% RH non-condensing within enclosure is mentioned so our request is either mentioned the upper limit like 90% RH or change it to rane between 15% to 90%.</p>	No Change
626	63/Enterprise Management System S No.1	IT Helpdesk - ITIL V3 aligned	Request to consider following functionality of Helpdesk Helpdesk should provide a Hot Topic Analytics feature and should intelligently display an interactive diagram indicating the hot topics among recent incidents so that users can easily discover incident trends and their relative impacts, and identify problem candidates.	No Change
627	63/Enterprise Management System S No.1	8. Configuration Automation	Please elaborate the definition of Configuration Automation. The confirm if Configuration Automation requirements would be limited to network devices or would it include non-network devices also	This feature is required for resource-intensive and error prone configuration and for compliance management processes

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
628	63/Enterprise Management System S No.1	8. Configuration Automation	<p>Please elaborate the configuration automation features i.e include: "</p> <p>a) In real time, detect configuration and asset information changes made across a multi-vendor device network, regardless of how each change is made and also support configuration deployment/rollback and configuration templates b) Configure granular, customizable user roles to control permissions on device views, device actions, and system actions. Support common authentication systems, such as TACACS+, Radius, SecurID, Active Directory and LDAP. c) Manage network compliance by comparing devices to defined, best-practice standards. Speed audit processes with out-of-the-box network compliance reports for ITIL, SOX, HIPAA, PCI DSS, and more. Validate device operating states in real time to stay in compliance.""</p> <p>Solution provides following benefits</p> <ul style="list-style-type: none"> • Reduce costs by automating time-consuming manual compliance and configuration task • Pass audit and compliance requirements easily • Provide faster deployments and root cause analysis, reduce mean time to repair issues, and provide efficiency gains to the operations personnel. 	As Above
629	63/Enterprise Management System S No.1	The EMS should also support single pane visibility across multiple areas of Monitoring	<p>Apart from single dashboard, the solution must be able to do runtime service modeling (RTSM) of all business critical production services & use Run-Time Service Model for efficient cross domain topology based event correlation.</p> <p>This will have the following advantages: a) Reduce MTTR through advanced corelation thereby reducing the no. of events that require attention b) Allows identification of the correct team c) Helps in faster Root Cause Analysis</p>	No Change
630	64/Enterprise Management System S No.1	It should have a WEB Based user Interface through which Administrator can access all administrative tasks and operational status monitoring for Network Devices, Servers, Sensors, etc.	EMS Solution typically monitor the system and network infrastrucure (IP based devices). Sensors are typically not monitored by EMS. Therefore please change this as follows: "It should have a WEB Based user Interface through which Administrator can access all administrative tasks and operational status monitoring for all IT assets (including servers, network equipment etc.)"	Please refer Revised RFP Document
631	Enterprise Management System S No.1	Should be able integrate with Helpdesk System for automated incidents reporting with option for manual reporting followed by viewing, updating, tracking and closing.	Request to consider following functionality of Helpdesk Solution should allow for a Smart Ticket feature to quickly submit a Service Desk ticket by just entering a description or attaching a screenshot. Solution should intelligently populate other fields such as category or affected services by extracting and analyzing the content that you entered in the ticket	No Change
632	22/3.1.1.7: E-challan system	Since the E-challan system shall be used by citizens and internal users - Do you plan to recommend Performance testing of E-challan application? If yes, what is the estimated number of peak time users for this application?	<p>Since this is a citizen facing application (which citizen shall use to pay for their violations/E-challans), the user load for this application could be significant. Hence performance testing of this application is certainly recommended.</p> <p>Performance testing would ensure that the application performs as per SLA's during peak transactions times and also during regular times, thus ensuring quality service to citizens and users.</p>	The bidder is required to size the features/capabilities of the proposed solutions to meet the functional outcome, and will have to upgrade the required infrastructure based on its performance during the tenure of the contract
633	12/Elegibility Criteria - MAF	The MAF is required for Routers, Switches, Firewall, Storage, NMS, Servers etc. being supplied under this project.	<p>MAF is not asked from the OEM of Various software systems OEMS such as VMS / VA / ANPR / RLVD / ITMS systems which is core of any RFP document. Kindly add the MAF criteria for OEMS of such software systems.</p> <p>Software application like VMS, Video Analytics, ANPR, RLVD, Speed Detection, E-Challan etc are the main components of the overall project and directly related to required use cases. Therefore it is required that such OEMS having proven credentials authorises the system integrators and such letter is submitted as part of technical bid.</p>	Pleae refer Sr. No. 146
634	15/Integration with Legacy Systems	Integration with Legacy CCTV Surveillance system for existing cities such as Ahmedabad / Surat / Rajkot / Vadodara etc...	<p>Please share complete details of existing system to check integration feasibility. Also concerned product manufacturers to confirm that their supplied systems/product/technology is not proprietary and its integratable with 3rd party systems. End User to ensure that all required integration documents like SDK, API, Interface design etc etc are made available to selected technology vendor & SI to ensure smooth integration. In addition scope of integration also needs to be defined.</p>	To be shared with Successful bidder

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
635	20/3.1.1.4	STORAGE /RECORDING REQUIREMENT:	It is no where mentioned that how many events (RLVD / ANPR and traffic violation events) are envisaged per camera or per junction per day. This is a vital information required for sizing purpose of Central Storage This is a vital information required for sizing purpose of Central Storage	Please refer Revised RFP Document
636	36/4.1 - Video Management system	General Features (Operating system)	The OPEN VMS system must be open to support any OS for server and Client systems. Please include the following clause to ensure true OPEN and interoperatable VMS system It should support both Windows and Linux operating system on Server machine. Only Windows OS based system will be not be acceptable To ensure True Open Platform, Vendor Neutral and Independent System	No Change
637	36/4.1 - Video Management system	General Features(Monolithic Architecture)	VMS, Video Analytics, Automatic Number Plate Recognition, Red Light Violation, Speed Detection software should be from the same manufacturer, to ensure seamless integrated performance of all required functionalities. To ensure seamless integrated performance of allk sub systems and not just integrated on an API level betwenn such 3rd parties which leads to inter dependency, blame game etc.	No Change
638	43/Video Authorization	c.) The VMS recorders shall utilize SHA-1 secure hash algorithm to authenticate the recorded video.	SHA-1 authorization is not common for all VMS OEMS and is favoring a particular VMS OEM. Also SHA-1 authentication is not considered to be a secure authentication. "SHA-1 is no longer considered secure against well-funded opponents. In 2005, cryptanalysts found attacks on SHA-1 suggesting that the algorithm might not be secure enough for ongoing use" – Source Wikipedia https://en.wikipedia.org/wiki/SHA-1 Kindly nutralise this requirement as follows "Watermarking & Encryption – VMS shall watermark each and every frame of the Video files with Watermarks to authenticate the source of the video. While exporting video segments to external media (CD/DVD) or to any folder in workstations, the VMS shall allow encryption of the video files with at least 128 bit encryption technique" To ensure fair play by allowing equivalent or better technologies for ensuring properly encrypted and secured video content.	Please Refer Revised RFP Document
639	43/Security 1.a) ii.) Encryption	Encryption – TLS with AES256 cipher	This is favoring a particular VMS OEM. Kindly relax this requirement to allow VMS OEMs to offer equivalent or better encryption. To ensure fair play by allowing equivalent or better technologies for ensuring properly encrypted and secured video content.	Please Refer Revised RFP Document
640	4.5 Video Analytics.	5. The applications should also be able to do People search based on a given description/attribution/Sketch/Full length photograph 6. Should have an interface to Create sketches, Composite (Human like Figure) of the suspect based on description. There Shall be different options available for describing hair color and style, Facial Attributes, shirts, trousers, patterns, etc	The above requirements are part of a facial recognition software which is not a part of this RFP requirement. In addition such feature is favouring a particular OEM Hence request to relax this point. 1. To ensure fair play and eqwual opportunity to all deserving technologies. 2. In reality achieving such functionalities with video of challenging city/outdoor environment is near to impossible. Such feature comes with so much of depdnencies and pre conditions which are not possible to achieve in real time situation.	Please Refer Revised RFP Document
641	4.5 Video Analytics.	4.5 (2) - The System should support the Object Origin feature	Please clarify "Object Origin Feature"	Please refer Sr. No. 65
642	51/4.15, camera specifications for RLVD	1/ 2.8" or better, CMOS Progressive Scan & Minimum 2 MP (for ANPR & Speed Detection) and 8 MP (for RLVD)	Please note that a 3MP camera shall be good enough RLVD camera in all aspects. Also an 8MP camera shall not be able to stream real time 25 FPS video. By reduced frames streamed by camera shall have a potential chance to skip the violation to get detected. Please fix the RLVD requirement up to 2 or 3 MP only. To achieve desired accuracy and uniform design basis.	No Change
643	51/4.15, camera specifications for RLVD	Frame Rate: - 50/60 FPS for ANPR & Speed Detections Camera and 20 FPS for RLVD Camera at Full Resolution	please note that both ANPR and RLVD cameras shall work in synchronized frames in order to achieve maximum accuracy. Hence fix the RLVD requirement at 2 or 3 MP only so that it can also work at 25 FPS To achieve desired accuracy and uniform design basis.	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
644	51/4.15 Camera specifications for ANPR, RLVD and Speed Detection	Multi Focal Lens - ≤6 mm to ≤50 mm Lens or better, For RLVD Camera "Lower End of Focal length less than 4.1 mm (3, 3.5 etc. allowed), Higher End of Focal Length more than 9 mm (10, 11, 20 etc. Allowed)	Please allow to offer "suitable auto iris varifocal IR corrected lens to meet desired outcome of ANPR, RLVD & Speed Detection accuracy". Since the system is to be evaluated on "outcome basis", the technology provider should be allowed to offer suitable lens as per engineering pre requisites and site conditions to achieve desired accuracy levels. In case the design criteria is fixed then the technology vendor cannot guarantee its outcome.	No Change
645	44/4.2 ANPR SYSTEM	The System should be able to capture license plates for vehicle moving up to the speed of 120 Km/Hours at: A. 90 % accuracy for Standard English alpha-numeric fonts and HSRP for both day and night B. 75% accuracy for non-standard fonts for both day and night	The desired accuracy levels are too demanding and very difficult to achieve in given conditions:- 1. Night Time - 90% accuracy during night time is near to impossible to achieve for various reasons. Please relax it to 60%. This is the standard criteria as asked in many other projects as well based on practical experiences. 2. 75% accuracy for non-standard fonts in day & night - The definition of non standard fonts is so wide that it may include improper size, vernacular fonts, broken, mutilated LPs etc etc. Therefore such high accuracy of non-standard license plate is not possible. Please delete the clause. The system "outcome criteria" should be as per technology development and practical situation posed to such technology. Therefore the criteria should be relaxed accordingly. It is proposed that following criteria should be inserted as minimum benchmark:- 1. 70% or higher for Standard License Plates as per RTO/CMV Act in day time 2. 60% or higher for Standard License Plates as per RTO/CMV Act in night time 3. For non standard license plates, the accuracy of detection to be delivered on best effort basis by the solution provider. It is also proposed that a scoring criteria should be inserted to evaluate best technology in this regard.	No Change
646	Price Bid :: SCHEDULE – I :: For End Point Items (Page 93)	66. IP Camera Type A: ANPR and Speed Detection:: 454	1) RLVD System comprises of ANPR camera and RLVD/Overview Camera and each ANPR camera covers the lane of width 3.5m approximately and RLVD/Overview camera covers the overall picture of the approach. Kindly clarify whether the mentioned qty. of Camera for ANPR & Speed Detection is part of RLVD System or these two system are different. 2) Since Speed ANPR cameras (Type A) cover approx. 3.5m lane in width. Hence, We request you to mention the list of locations along with exact number of lanes where ANPR, RLVD and Speed system needs to be deployed.	1.) Please refer Sr. No. 64 2.) Please refer Revised RFP Document
647	Price Bid :: SCHEDULE – I :: For End Point Items (Page 93)	67. IP Camera Type A: with 8MP for RLVD :: 105	1) RLVD System comprises of ANPR camera and RLVD/Overview Camera and each ANPR camera covers the lane of width 3.5m approximately and RLVD/Overview camera covers the overall picture of the approach. Kindly clarify whether the mentioned qty. of Camera for ANPR & Speed Detection is part of RLVD System or these two system are different. 2) Since Speed ANPR cameras (Type A) cover approx. 3.5m lane in width. Hence, We request you to mention the list of locations along with exact number of lanes where ANPR, RLVD and Speed system needs to be deployed.	1.) Please refer Sr. No. 64 2.) Please refer Sr. No. 646
648	b) Speed Detection System (Page 19)	(i) This system shall be taken up at multiple cities with cameras installed at identified locations on the freeways/ Junctions covering entire road.	1) RLVD System comprises of ANPR camera and RLVD/Overview Camera and each ANPR camera covers the lane of width 3.5m approximately and RLVD/Overview camera covers the overall picture of the approach. Kindly clarify whether the mentioned qty. of Camera for ANPR & Speed Detection is part of RLVD System or these two system are different. 2) Since Speed ANPR cameras (Type A) cover approx. 3.5m lane in width. Hence, We request you to mention the list of locations along with exact number of lanes where ANPR, RLVD and Speed system needs to be deployed.	Camera Type A with 2 MP is meant to be used for ANPR and Speed Violation, whereas the 8 MP shall be used for the RLVD system
649	c) Automatic Number Plate Recognition (ANPR) System (Page 19)	(x) Mobile ANPR	We request you to mention the quantity for Mobile ANPR System.	Please refer Sr. No. 486
650	Implementation Timelines :: Proof of Concept (PoC) (Page 33)	2. During the PoC, successful bidder is required to deploy at least 50 CCTV cameras with all systems (ANPR, RLVD, Speed Violation,) at the locations specified by the TENDERER.	Kindly clarify, how many cameras are required to showcase the POC for ANPR, RLVD and speed system.	Please Refer Revised RFP Document
651	c) Automatic Number Plate Recognition (ANPR) System (Page 19)	(vii) The Accuracy of ANPR system should be more than 90% in case of standard English Alphanumeric Font and High Security Registration plates and 75% for non-standard Fonts, 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.	Detection & reading accuracies are highly dependent upon various external factors such as Licence Plate condition (type,size,broken, dirty etc), environmental conditions, reflective or non-reflective etc. The accuracies have been well defined in tenders for Gandinagar & Ahmedabad city as " The system should have an accuracy of at least 70% vehicle number plate recognition capability for printed license plates in standard format and fonts of 4-wheelers". Hence, considering above point, you are requested to amend the requirement accordingly.	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
652	4.2 Automatic No. Plate Recognition (ANPR) System (Page 44)	6. The System should be able to capture license plates for vehicle moving up to the speed of 120 Km/Hours at: 1) 90 % accuracy for Standard English alpha-numeric fonts and HSRP for both day and night 2) 75% accuracy for non-standard fonts for both day and night	Detection & reading accuracies are highly dependent upon various external factors such as Licence Plate condition (type,size,broken, dirty etc), environmental conditions , reflective or non-reflective etc. The accuracies have been well defined in tenders for Gandinagar & Ahmedabad city as " The system should have an accuracy of at least 70% vehicle number plate recognition capability for printed license plates in standard format and fonts of 4-wheelers". Hence, considering above point, you are requested to amend the requirement accordingly.	No Change
653	a) Red Light Violation Detection System (Page 18)	(ix)The System should be able to identify and Log Red Light Violations with minimum accuracy of 90%	In a violation zone of RLVD system, cluster of vehicles are found and some of them are obstructed by the trailing vehicle. In such a scenario, license number plates are difficult to detect by the system (RLVD system captures the violation from back). Asking of minimum 90% accuracy is on higher side and from our past experience "70%" detection accuracy is achievable.	No Change
654	4.3 Red Light Violation Detection (RLVD) System (Page 45)	6. The accuracy of the RLVD system should be identify Red Light Violations with an accuracy of at least 90% both during day and Night time	In a violation zone of RLVD system, cluster of vehicles are found and some of them are obstructed by the trailing vehicle. In such a scenario, license number plates are difficult to detect by the system (RLVD system captures the violation from back). Asking of minimum 90% accuracy is on higher side and from our past experience "70%" detection accuracy is achievable.	No Change
655	b) Speed Detection System: (Page 19)	(iv) The Speed Violation system should be capable of measuring speeds up to 120 Km/Hour for both (Two & Four Wheeler's) or higher with minimum accuracy of 90% in detecting speed limit violations both during the day and night time and photographing the incident and reading the vehicle No. plate in various fonts and sizes in English Language	Detection & reading accuracies are highly dependent upon various external factors such as Licence Plate condition (type,size,broken, dirty etc), environmental conditions , reflective or non-reflective etc. The accuracies have been well defined in tenders for Gandinagar & Ahmedabad city as " The system should have an accuracy of at least 70% vehicle number plate recognition capability for printed license plates in standard format and fonts of 4-wheelers". Hence, considering above point, you are requested to amend the requirement accordingly.	No Change
656	4.4 Speed Violation Detection (SVD) System (Page 45)	3. The Camera system shall be capable of measuring speeds with an accuracy of 90% in detecting speed limit violations and photographing the incident. 5. Both day and night time violations should be captured with the same level of accuracy	Detection & reading accuracies are highly dependent upon various external factors such as Licence Plate condition (type,size,broken, dirty etc), environmental conditions , reflective or non-reflective etc. The accuracies have been well defined in tenders for Gandinagar & Ahmedabad city as " The system should have an accuracy of at least 70% vehicle number plate recognition capability for printed license plates in standard format and fonts of 4-wheelers". Hence, considering above point, you are requested to amend the requirement accordingly.	No Change
657	Price Bid :: SCHEDULE – I:: For Command and Control Centre	22. Application and System Software and licenses for E-challan system (Application, System Software, applicable licenses with required hardware for all locations)	<i>"The actual challan generation and printing shall take place at the district/ city Control room"</i> .The licenses are asked for only central CCC but since the challan generation is being asked at district/city control room as well and that requires licenses as well. Hence,we request you to kindly mention the licenses detail of e-challan, Speed ANPR and RLVD system for district/city control room as well.	Please Refer Revised RFP Document
658	Price Bid :: SCHEDULE – I:: For Command and Control Centre	23. Automatic Number Plate Recognition (ANPR) with Speed Detection System including all required Hardware, Application and System Software with applicable licenses	<i>"The actual challan generation and printing shall take place at the district/ city Control room"</i> .The licenses are asked for only central CCC but since the challan generation is being asked at district/city control room as well and that requires licenses as well. Hence,we request you to kindly mention the licenses detail of e-challan, Speed ANPR and RLVD system for district/city control room as well.	Please Refer Revised RFP Document
659	Price Bid :: SCHEDULE – I:: For Command and Control Centre	24. Application and System Software and licenses for RLVD (Application, System Software, applicable enterprise licenses with required hardware for application)	<i>"The actual challan generation and printing shall take place at the district/ city Control room"</i> .The licenses are asked for only central CCC but since the challan generation is being asked at district/city control room as well and that requires licenses as well. Hence,we request you to kindly mention the licenses detail of e-challan, Speed ANPR and RLVD system for district/city control room as well.	Please Refer Revised RFP Document
660	3.1.1.7 e-Challan System	e.) The management module of the e- Challan system shall be hosted at the central CCC whereas the actual challan generation and printing shall take place at the district/ city Control room. The E- challan system proposed under this RFP shall be a single system, that shall be deployed at multiple locations within the state of Gujarat, the Bidder will have to consider the sizing of the application accordingly.	<i>"The actual challan generation and printing shall take place at the district/ city Control room"</i> .The licenses are asked for only central CCC but since the challan generation is being asked at district/city control room as well and that requires licenses as well. Hence,we request you to kindly mention the licenses detail of e-challan, Speed ANPR and RLVD system for district/city control room as well.	Please Refer Revised RFP Document
661	Configuration	Full HD IPS LED/DLP Display, Direct LED Backlight, Display suitable for use in video wall with bezel to bezel distance not more than 3 mm	Full HD IPS LED/DLP Display, Direct LED Backlight, Display suitable for use in video wall with bezel to bezel distance less than or equal to 3.5 mm (please amend)	No Change
662	Screen Size	55" or higher		No Change
663	Resolution	Full High definition (1920 X 1080), 16:9 Widescreen		No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
664	Contrast Ratio	1200:1 or better		No Change
665	Brightness	500 Cd/m2 or better		No Change
666	Refresh Rate	60 Hz or better		No Change
667	Response Time	8 to 12 ms		No Change
668	Viewing Angle	160 degrees or better		No Change
669	interface/Standard Inputs	1x Digital DVI-I ; 1x Digital DVI-D, or Higher		Please Refer Revised RFP Document
670	Interface/Standard Outputs	1x Digital DVI-D / 1x DP 1.2		No Change
671	interface/Control	RS-232/RS-422/IR	RS-232/RS-422/ RJ-45/IR (please add RJ45)	No Change
672	power/Consumption	Not more than 4000 Watt	Max[W/h] or Typical[W/h] (please specify)	Please Refer Revised RFP Document
673	power/Power Supply	AC 100 -240 V~ (+/-10 %), 50/60 Hz		No Change
674	genral/Operating Temperature	0°C - 40°C		No Change
675	genral/Humidity	20% - 90%, non-condensing	10% - 80% (please amend)	No Change
676	Accessories/Cables	Dual Link DVI-D cable, power cable for daisy chain, AC cable, Remote Controller	Dual Link DVI-D cable/ DP cable (please add) , power cable for daisy chain, AC cable, Remote Controller	Please Refer Revised RFP Document
677		Additional Points	Face recognition system is a very basic and essential requirement in safe city surveillance. Very recent RFPs of smart city are coming up with face recognition requirement like APSFL (Having 1000 nos. Face recognition cameras). Other city/states which already have implemented face recognition system are Surat, Navi Mumbai, Madhya Pradesh, and Rajasthan where NEC FRS system is running successfully since long. Face recognition system is result oriented and actually helps to give result without having 24X7 continuo watch over the CCTV monitors. As an initiative RAILTEL has also floated RFP for face recognition at various railway stations across the country. We request you to kindly add 'Face Recognition system' in this RFP for at least 10% of important camera locations across Gujarat. we are also attaching the min technical specifications required here	Please Refer Sr. 65
678	15/3.1.1	i) The project model will be a Hybrid model i.e. a mix of centralized and distributed architecture wherein the cities will have the deployment of the Cameras, video wall, Storage, IT Infrastructure, etc. at the District/City level and at the central infrastructure at the state Head Quarter hosting all applications running in a client server model. ii) It is envisaged that all the required software, application will be hosted at state head quarter which will be extended up to the district/city level on API basis. Further, local/city level control room/operation center will perform the required analytics over the video feed for generation of e-Challan and performing other surveillance related activities locally. iii) Hardware for management of VMS and CCTV feeds shall be located at central side at Gandhinagar and CCTV cameras and feeds at City / District will act in master client relationship with VMS.	From this clause our understanding is as below, please confirm. "Each city will have an independent system (Server side) which can function even in absence of connectivity to central site, and central head quarter will have client which can connect to all the cities for monitoring and control. Central headquarter will have the superior privileges for all the cities." Please confirm this understanding is correct.	Yes the understanding is correct
679	17/3.1.1.2.h	To receive collaborative videos from public & private agencies locations (airport, railway stations, roadways, temples, malls, metro stations, fair, festivals etc.) and to display the selected videos on videos on wall and store them, if required.	Please provide the list of existing systems to be integrated including details such as Camera make, Model, VMS make and version, availability of SDK/API of system etc	Please Refer Revised RFP Document

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
680	17/3.1.1.2.h	To receive collaborative videos from public & private agencies locations (airport, railway stations, roadways, temples, malls, metro stations, fair, festivals etc.) and to display the selected videos on videos on wall and store them, if required.	Please confirm whether new system is expected to record the video feeds coming from collaborative systems? If yes, what is the resolution and FPS for that recording.	Please refer Sr. No. 589
681	18/3.1.1.2.r	Object Origin detection i.e. to detect the unattended object from the time it first appeared on the view of the camera.	Does this mean regular Region of interest Smart/ motion search feature or advanced origin detection where software shall do a frame by frame backward detection and pause where the object appeared in the scene for the first time, and also neglect the surrounding motion, temporary obstruction by people passing between camera and object? Origin detection can minimize the response time but it is bit more complex algorithm requiring more resources from the system.	Please refer Sr. No. 65
682	46/4.5	The applications should also be able to do People search based on a given description/attribution/Sketch/Full length photograph . Should have an interface to Create sketches, Composite (Human like Figure) of the suspect based on description. There Shall be different options available for describing hair color and style, Facial Attributes, shirts, trousers, patterns, etc.	We assume this calls for resembling person detection based on attributes (i.e. Body color, Dress pattern, color, hat types, bag/suitcase being carried), that can be detected from surveillance camera views and not the face recognition? Please note it is not practical to do a face matching using cameras installed at various heights, different zoom levels, different lighting conditions etc. and that too in outdoor environment like city surveillance.	Please refer Sr. No. 65
683	46/4.5	The applications should also be able to do People search based on a given description/attribution/Sketch/Full length photograph . Should have an interface to Create sketches, Composite (Human like Figure) of the suspect based on description. There Shall be different options available for describing hair color and style, Facial Attributes, shirts, trousers, patterns, etc.	As per this clause people search based on given description/ attributed / Sketch / Full length photograph. Please confirm all the above parameters are optional or all are mandatory selection options to operator? i.e "Suspect search based on given description, attributed, sketch and full length photograph."	Please refer Sr. No. 65
684	46/4.5	The applications should also be able to do People search based on a given description/attribution/Sketch/Full length photograph .	Is there any expected stipulated time limit within which system shall be able to deliver the match results for required people search initiated by operator?	Please refer Sr. No. 65
685	21/3.1.1.4.c	The video feeds would be kept for 30 days. After 30 day, the video feeds would be overwritten unless it is flagged or marked by the Police/appropriate authority for investigation or any other purpose. The video feeds of all relevant cameras capturing the incident in question would be stored until the Police/appropriate authority deem it good for deletion. Further, incidents that are flagged by the Police or any court order, the video of the relevant portion from all relevant cameras should be stored/archived separately for investigation purposes at the District HQ and the centralized CCC as decided by the TENDERER.	Please provide the recording resolution, FPS and bitrate to be considered for storage estimation purpose.	Please refer Annexure C
686	89/Section VI, BOQ Sr. Bo. 20	VMS software and Video Analytics for stored videos, Mobile Application for remote viewing of video feeds (With all required hardware for all locations)	Qty mentioned as 1, Can you tell us exact qty of analytics license and mobile application client at each location for correct hardware sizing	For VA: Please refer Sr. no. 65 and Mobile App: Please Refer Revised RFP Document
687	General	In Eligibility criteria for OEM	VMS is very important component of tender and no pre qualification is mentioned for VMS component Please suggest appropriate PQ	No Change
688	General	Proof Of Concept	Please incorporate proof of concept as a part of technical evaluation	No Change
689	12/2.3, Eligibility Criteria	OEM for storage and servers should be from companies featuring in Gartner magic quadrant in leadership position	Suggest to change & make same as networking equipment's, that product should be present in latest Gartner magic Quadrant.	No Change
690	60/4.27, Server	2 X 10Gbps ports for providing Ethernet connectivity	Suggest to change to 2*10G Ethernet/FCoE ports	Please refer Revised RFP Document
691	60/4.27, Server	2 X Dual-port 10Gbps FC/FCoE/HBA for providing FC connectivity	Suggest to change to Dual Port FC connectivity for storage/SAN Switch connectivity	Please refer Revised RFP Document
692	69/4.40 Storage (For Video's)	The solution should allow to transfer and store the data, on need basis, to any other storage irrespective of Make/Model across LAN/WAN within the state.	kindly specify the brand along with the complete model details, to double check on Interop matrix	Proposed Storage should allow this functionality. However, required software/hardware for the same is not in the scope of bidder

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
693	69/4.40 Storage (For Video's)	The solution should allow to transfer and store the data, on need basis, to any other storage irrespective of Make/Model across LAN/WAN within the state.	Does the proposed storage needs to be provided with this lisencc from day 1 or only the support is required ?	As Above
694	61/4.31-Firewall for District Control Centres	Firewall should support Nat66 (IPv6-to-IPv6) and Nat46 (IPv4-to-IPv6) functionality, NAT66 featuring in Gartner magic quadrant in leadership position	Nat 66 is suggest to remove and Allow gartners challengers & leaders quadrant both, for more inclusiveness in the bidding process	Please refer Revised RFP Document
695	61/4.32 Firewall for CCC	Firewall should support Nat66 (IPv6-to-IPv6) and Nat46 (IPv4-to-IPv6) functionality, NAT66 featuring in Gartner magic quadrant in leadership position	Nat 66 is suggest to remove and Allow gartners challengers & leaders quadrant both, for more inclusiveness in the bidding process	Please refer Revised RFP Document
696	42990	OEMs for networking devices at aggregation layer and data centre layer should be one of the top five from the GARTNER list of top five companies for data centre networking.	suggest to add gartner OR OEM should be in TOP-5 as per the IDC Latest report on market share.	Please refer Revised RFP Document
697	51/4.14 Indoor Fixed Dome Cameras with PoE	Video Compression: H.264 and Motion JPEG	Suggest to add H.265 as well, which will help reducing the camera bandwidth & storage requirement	Please refer Revised RFP Document
698	51/4.14 Indoor Fixed Dome Cameras with PoE	Protocol Support: IPv4, IPv6, TCP/IP, HTTP, DHCP, UDP, DNS, SMTP, RTP, RTSP, SNMP protocols/Should meet all functional requirement of the project	Suggest to put IPV4/IPV6, as Most of the CCTV product still support on IPV4, please make it same as PTZ specification as asked in 4.17 Camera Type C: PTZ	No Change
699	52/4.15 Camera Type A (Box Cameras for ANPR, RLVD, Speed Detection)	IPv4, IPv6, TCP/IP, HTTP, DHCP, UDP, DNS, SMTP, RTP, RTSP, SNMP protocols/Should meet all functional requirement of the project	Suggest to put IPV4/IPV6, as Most of the CCTV product still support on IPV4, please make it same as PTZ specification as asked in 4.17 Camera Type C: PTZ	No Change
700	53/4.16 Camera Type B (Box Camera for Surveillance)	IPv4, IPv6, TCP/IP, HTTP, DHCP, UDP, DNS, SMTP, RTP, RTSP, SNMP protocols/Should meet all functional requirement of the project	Suggest to put IPV4/IPV6, as Most of the CCTV product still support on IPV4, please make it same as PTZ specification as asked in 4.17 Camera Type C: PTZ	No Change
701	54/4.17 Camera Type C: PTZ	Internal/ External with min 100 meters coverage	Suggest to Change to internal only with 150 mtr IR range & 100 mtr clear recognition	Please refer Revised RFP Document
702	4.25 Managed Outdoor L2 Switch, PoE with Fibre Port- Page-58	Request for Addition: Considering these switches will be installed at traffic junctions on poles in outdoor environment wherein these switches will come under direct sunlight exposure as well. 1) Due to greenhouse effect, the temperature inside an enclosure may goes 10-15C higher than the outside ambient temperature. So, if we consider in peak summers, if temperature goes to 48C, the inside enclosure temperature may reach to 58C to 65C (approx.) 2)Also, being installed at poles, vibrations and shocks will also be generated due to heavy vehicles movement. The NEMA TS2 standard was established by National Electrical Manufacturers Association (NEMA) of which a) Section 2 contains the environmental and testing requirements, including guidelines for temperature (-34 to 74°C), humidity (8 % to 90 % RH, noncondensing), vibration (0.5 g @ 5 to 30 Hz), and shock (10 G's for 11 ms). b) It certifies the switch operation in mentioned harsh environment So, in order to ensure smooth operation of outdoor switches, we highly recommend to consider only NEMA-TS-2 certified	So, in order to ensure smooth operation of outdoor switches, we highly recommend to consider only NEMA-TS-2 certified switches which certifies the operation of switch in outdoor harsh environment:	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
703	4.25 Managed Outdoor L2 Switch, PoE with Fibre Port-Page-58	<p>Request for Addition: As per DOT guidelines, it is mandatory that network switches must be IPv6 compliance for which it is very much required to switch should support following industry standard IPv6 features for smooth IPv6 migration: IPv4 and IPv6 dual stack (basic functionality for IPv4 to IPv6 migration), IPv6 hardware ACLs for security, DHCPv6 relay, DHCPv6 client, NTPv6 client and server</p>	<p>Would request you to consider switch with following industry standard IPv6 features for smooth IPv6 migration: IPv4 and IPv6 dual stack , IPv6 hardware ACLs for security, DHCPv6 relay, DHCPv6 client, NTPv6 client and server</p>	No Change
704	4.25 Managed Outdoor L2 Switch, PoE with Fibre Port-Page-58	<p>Request for Addition: Considering the IP video streams are jitter and latency sensitive application, we highly recommend to consider IEEE 1588v2 standard for clock synchronisation. IEEE 1588v2 is an one-step Transparent Clock which performs an active role on Ethernet networks reducing the effects of Jitter; as transparent switch, it adjusts the timing content of PTP packets as a function of the delay caused by the switch.</p>	<p>Request you to accept switch with IEEE 1588v2 PTP support for network synchronisation.</p>	No Change
705	4.26 Managed Outdoor L2 Switch with PoE - 8-port-Page-59	<p>Request for Addition: Considering these switches will be installed at traffic junctions on poles in outdoor environment wherein these switches will come under direct sunlight exposure as well. 1) Due to greenhouse effect, the temperature inside an enclosure may goes 10-15C higher than the outside ambient temperature. So, if we consider in peak summers, if temperature goes to 48C, the inside enclosure temperature may reach to 58C to 65C (approx.) 2)Also, being installed at poles, vibrations and shocks will also be generated due to heavy vehicles movement.</p> <p>The NEMA TS2 standard was established by National Electrical Manufacturers Association (NEMA) of which a) Section 2 contains the environmental and testing requirements, including guidelines for temperature (-34 to 74°C), humidity (8 % to 90 % RH, noncondensing), vibration (0.5 g @ 5 to 30 Hz), and shock (10 G's for 11 ms). b) It certifies the switch operation in mentioned harsh environment So, in order to ensure smooth operation of outdoor switches, we highly recommend to consider only NEMA-TS-2 certified switches which certifies the operation of switch in outdoor harsh environment. Infact the outdoor IP CCTV cameras have been asked with NEMA certification, so we request you to consider outdoor switches with NEMA-TS-2 certification as well.</p>	<p>So, in order to ensure smooth operation of outdoor switches, we highly recommend to consider only NEMA-TS-2 certified switches which certifies the operation of switch in outdoor harsh environment:</p>	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
706	4.26 Managed Outdoor L2 Switch with PoE - 8-port-Page-59	<p>Request for Addition: As per DOT guidelines, it is mandatory that network switches must be IPv6 compliance for which it is very much required to switch should support following industry standard IPv6 features for smooth IPv6 migration: IPv4 and IPv6 dual stack (basic functionality for IPv4 to IPv6 migration), IPv6 hardware ACLs for security, DHCPv6 relay, DHCPv6 client, NTPv6 client and server</p>	<p>Would request you to consider switch with following industry standard IPv6 features for smooth IPv6 migration: IPv4 and IPv6 dual stack , IPv6 hardware ACLs for security, DHCPv6 relay, DHCPv6 client, NTPv6 client and server</p>	No Change
707	4.26 Managed Outdoor L2 Switch with PoE - 8-port-Page-59	<p>Request for Addition: Considering the IP video streams are jitter and latency sensitive application, we highly recommend to consider IEEE 1588v2 standard for clock synchronisation. IEEE 1588v2 is an one-step Transparent Clock which performs an active role on Ethernet networks reducing the effects of Jitter; as transparent switch, it adjusts the timing content of PTP packets as a function of the delay caused by the switch.</p>	<p>Request you to accept switch with IEEE 1588v2 PTP support for network synchronisation.</p>	No Change
708	Page 12 SECTION-2.3 ELIGIBILITY CRITERIA clause 9	<p>Please add; Considering huge quantity of outdoor industrial grade switches which will be deployed in harsh outdoor environment, it is very much required that switch technology must be proven to ensure smooth operation and higher reliability. So, would request you to consider that "Outdoor switch OEM must have deployment base of atleast 1000 industrial grade switches in India. OEM's must share customer certificate in support"</p>	<p>Outdoor switch OEM must have deployment base of atleast 1000 industrial grade switches in India. OEM's must share customer certificate in support"</p>	No Change
709	Page No. 11 Section II Introduction and Eligibility Criteria Clause no. 2	<p>Request for Addition : Bidder should be an established IT /Telecom/Security Solutions System Integrator and should have been engaged in setting-up and Operations & Maintenance Services of Network (Active or Passive) and DataCentres for a period of at least five years as on bid issuance date.</p>	<p>Request you to kindly add Security Solutions also as CCTV and other active and passive components are also part of same.</p>	Please refer Revised RFP Document
710	Page No. 11 Section II Introduction and Eligibility Criteria Clause no. 3	<p>Request for Addition: Average Annual Turnover of the bidder generated solely from supply/service for (active and passive) Networking (setting up or O&M) and Data Centre (setting up or O&M) during the last three financial years, should be at least Rs. 100 crores.</p>	<p>In order to get better competition we request you to kindly make average turnover should be at least 100 crores</p>	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
711	Page No. 11 Section II Introduction and Eligibility Criteria Clause no. 6	Request for Addition: Bidder should have demonstrable expertise and experience in executing at least ONE project of Network Integration / Systems Integration/Data Centre (setting up or O&M) anytime during last five years as on bid issuance date, having a minimum value of <u>Rs. 30 crores or TWO projects having a minimum value of Rs. 20 crores each.</u>	We request you to kindly consider one project of Rs. 30 Crores and Two project of 20 Crores each for getting better competition in tender	No Change
712	Eligibility Criteria / Page 11 / Point 3	The bidder must have annual turnover of at least Rs. 500 Crores for each of the last three financial years as on 31st March, 2017. Average Annual Turnover of the bidder generated solely from supply/service for (active and passive) Networking (setting up or O&M) and Data Centre (setting up or O&M) during the last three financial years, should be at least Rs. 250 crores. In case Bidder is a wholly owned / 100 % subsidiary, the turnover of Parent company would be considered for eligibility.	Please keep the average annual turnover Rs. 100 Crs instead of 250 Crs for better participation. The clause may please be revised as " Average Annual turnover of the bidder generated solely from IT/ ITES, System integration, supply/service for (active and passive) Networking (setting up or O&M) and Data Centre (setting up or O&M) during the last three financial years, should be at least Rs. 100 crores.	Please Refer Revised RFP
713	Eligibility Criteria / Page 11 / Point 4	The bidder must have positive net worth and should be Profit making in each of the last three financial years as on 31st March, 2017	Please amend the clause as " The bidder must have positive net worth in each of the last three financial years as on 31st March, 2017"	Please Refer Revised RFP
714	Eligibility Criteria / Page 11 / Point 7	Bidder should have demonstrable expertise and experience of setting up or O&M of integrated control room/city wide control room/ emergency response centre with One such Project having minimum 20 seating capacity or Data Centre (minimum 400 core computing capacity)/ 2000 Plus WAN Node during last three years as on bid issuance date.	Please amend this clause as "Bidder should have demonstrable expertise and experience of setting up or O&M of integrated control room/city wide control room/emergency response centre with One such Project having minimum 20 seating capacity or Data Centre (minimum 400 core computing capacity)/ 2000 Plus WAN Node during last seven years as on bid issuance date. Note: In-house projects for their own corporations executed by the bidder shall not be considered for above purpose. Note: In case Bidder is a wholly owned subsidiary, the experience of Parent company would be considered for eligibility" for better participation	Please Refer Revised RFP
715		Consortium	Please allow consortium for better participation	Please Refer Revised RFP
716	2.3 Eligibility Criteria		No selection criteria for Original Equipment Manufacturer for VMS, Command and Control and Application software is mentioned in the Tender. It is requested: ☑ Include only those OEM's who have atleast 3 Command and Control and Video management software implemented in India with minimum of 500 cameras/sensors attached to it and running successfully during the past 3 years in India. ☑ The OEM for Command and Control, VMS should have a registered office in India since past 5 years.	No Change
717	3.1.1 System Integration Component		System Integration component: ☑ It is suggested to include an integration platform like Command and Control since there are more than 3-4 applications in the tender. The same is missing from the list. In the absence of Command and Control all applications like Traffic monitoring and compliance, CCTV, Data base from Government will run in isolation thereby creating a vacuum in routine operations. ☑ Moreover in section 3.1.1.4 a dashboard having summary from all applications can be achieved only when there is a Central command and control application. ☑ In 4.1 No. 12 (Alarm management system) the features mentioned are part of Command and Control Software only. Hence it is necessary to provide detailed specifications as well mention the same in the Bill of Quantity (BoQ).	No Change
718	3.1.1.2 (h) Collaborative Videos		It is suggested to indicate the number of collaborative cameras which are planned to be connected to Command and Control in the current project. This is to prepare complete BOQ for the system.	Please refer Sr. No. 589
719	3.2 Implementation timelines		It is suggested to have a PoC for all successful bidders (those who have completed other criteria) but this should be before the opening of commercials. This will help in evaluation of the solution as per RFP.	No Change
720	4.1 Video management System. S.No. 1 B & C		It is requested to share the make/brand, version of the NVR's and the software deployed currently at various cities of Gujarat	As per RFP
721	4.1 No. 6 (c) VMS VA Presets		Digital zoom up to 20 times or 672% is an exceptional feature not available generally.	Please refer Sr. No. 2
722	4.1 No. 12 (c) Video Authentication		Request to either remove SHA-1 authentication or leave for the bidder to provide available authentication. SHA-1 is an exception and not available generally in VMS application	Please Refer Revised RFP Document

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
723	Architecture		The Video management should support dual recording so that on demand the specific camera during important events can stream for recording locally within the city as well as at the Command and Control.	No Change
724	2.3 Eligibility Criteria – Pg 10		<p>Additional Points Inorder to invite only quality cctv camera vendors we suggest that there should be OEM Qualification Criteria as well which is as below: The proposed camera OEM should have following:</p> <p>a)Direct presence in India for more than 5 years as on bid submission date (not as joint venture, partnership firms or through any other association) Camera OEM should submit a declaration letter along with letter of incorporation confirming the same.</p> <p>b) Own RMA set up in India for last 3 years from the date of submission of bid (not as joint venture, partnership firms or through any other association) OEM's Service tax registration document clearly mentioning service tax no. to be given as proof.</p> <p>c) OEM of CCTV camera must be ISO 9001:2008 certified Documentary proof to be submitted</p> <p>d)The OEM for CCTV camera should have at least 500 employees on its payroll in India. Any OEM which is part of a larger group company but meeting the 500 employee criterion is also eligible. This is to justify that CCTV OEM has made investment in India and is serious about its business in India which will ensure long term after sales support and spare support from the OEM. Declaration letter from the HR to be submitted along with the bid</p> <p>e)The CCTV OEM should have its toll free number in India for any technical support query from the SI or end customer which is very much required for such a big project. Toll free nos should be mentioned in the manufacturer's authorization letter and submitted along with the bid.</p>	No Change
725	4.14 Indoor Fixed Dome Cameras with PoE – Pg. No. 51		3. Field of View : 35-38°~100-104°(horizontal), 20-22° ~ 55-72° (vertical), 42°~112° (diagonal) Field of view is subjective and is different for all OEMs. Numbers mentioned here is specific to couple of OEMs only and hence we suggest that it be changed to 35° to 90° (horizontal) for which all OEMs can comply	No Change
726	4.14 Indoor Fixed Dome Cameras with PoE – Pg. No. 51		Additional Points There is no certification mentioned for this camera and hence we request you to consider CE, FCC and UL certification which is a standard across the globe.	Please Refer Revised RFP Document
727	4.15 Camera Type A (Box Cameras for ANPR, RLVD, Speed Detection) – Pg No. 52		23. Certifications CE, FCC, EN/UL EN is part of CE and stands for emission norms. CE & FCC are self-certification done by OEMs themselves while UL certification is done by Underwriters Laboratory US which is a 3rd party certification only provided to those vendors who follow global quality standards. Hence we request you to change the certification required to CE, FCC and UL.	Please Refer Revised RFP Document
728	4.16 Camera Type B (Box Camera for Surveillance) – Pg. 53		14. Video Streams Individually configurable 02 video streams (H.265/ H.264, MJPEG), Unicast/ Multicast Cameras require multiple streams for different functionality like viewing, recording, analytics etc. Hence we request you to increase the number of streams required to minimum 3 which is a standard across all top cctv brands.	Please Refer Revised RFP Document
729	4.16 Camera Type B (Box Camera for Surveillance) – Pg. 53		15. Intelligent Video Motion detection, Tampering Alert Surveillance system is put in place so that the face of the person captured in the image is clearer. Hence we request you to include "face detection" as well which will provide better resolution face images in video and help in identifying the person in first instance itself.	No Change
730	4.16 Camera Type B (Box Camera for Surveillance) – pg-53		24. Certifications CE, FCC, EN/UL EN is part of CE and stands for emission norms. CE & FCC are self-certification done by OEMs themselves while UL certification is done by Underwriters Laboratory US which is a 3rd party certification only provided to those vendors who follow global quality standards. Hence we request you to change the certification required to CE, FCC and UL.	Please Refer Revised RFP Document
731	4.17 Camera Type C: PTZ – Pg. No. 54		31. Certification CE, FCC, EN/UL EN is part of CE and stands for emission norms. CE & FCC are self-certification done by OEMs themselves while UL certification is done by Underwriters Laboratory US which is a 3rd party certification only provided to those vendors who follow global quality standards. Hence we request you to change the certification required to CE, FCC and UL.	Please Refer Revised RFP Document

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
732	Pg 49 under clause 4.11) Video Wall Solution	Full HD IPS LED/DLP Display, Direct LED Backlight, Display suitable for use in video wall with bezel to bezel distance not more than 3 mm	<p>The right technology for such mission critical control rooms is DLP Technology. It is a globally accepted technology and in use in all leading projects in India as well.</p> <p>The Surat Safe city project, Surat Smart City Project, GIFT City C4I project - all have deployed DLP technology for the control room videowall</p> <p>The resolution helps in getting the best image/data representation. Hence higher the resolution better it is for viewing and putting more information to display. The highest available in DLP Display is WUXGA (1920x1200). This is available from mutiple OEMs</p> <p>The controller & software is the heart of the whole videowall system, hence you should also detail the specs for the controller and for best compatibility & support recommend controller, software & display from the same OEM.</p>	No Change
733	34/Clause 3.3 Point 2	Providing required physical infrastructure at the operation centres of SHQ/DHQ/City with complete Civil and electrical Infrastructure such as Power, seating space, Air Conditioning, Furniture's, Flooring, DG Set etc.	<p>The project being a State-wide surveillance project covering approximately 165 Cities; each and every thing in terms of technology has been mentioned in detail. However, One of the critical aspect i.e. THE OPERATORS ERGONOMICS is overlooked.</p> <p>Any critical Surveillance project demands for a Smart Control Room along with State of the Art Control Desk / Technical Furniture to support the hardwares and provide an Ergonomical Solution for the operators.</p> <p>ISO (International Standards Organization) has defined a set of Parameters which is known as ISO 11064 : Operation Centre's Ergonomic Criteria, to ensure a fatigue free operating environment for the operator and thereby utilizing their Efficiency to the fullest,</p> <p>Anything related to this parameter (which is globally accepted and followed) is not mentioned in the tender document. So, we hereby wish to raise a query to describe the set of specifications for Control Desks / NOC Desks as per ISO 11064. For details please refer the notes mentioned below and Annexure 1.</p>	As per RFP
734		additional suggestion/ Request	<p>1) Purpose: The routine operations and operators have retained critical role in monitoring and supervising the automated systems. As the scale of automated solution has grown, so have the consequences of equipment and human failure.</p> <p>So the entire control room environment has to be designed as per ISO 11064 (International Norms to Design the Control Center).</p> <p>1. This is a 24X7 / 365 manned facility so Ergonomic comfort for operators like Eye to screen distance, movement in control room during normal and emergency situations, accessibility to equipments, knee/foot/leg space (to avoid operational health hazard) must be taken into consideration.</p> <p>2. Once the facility is in "Go-Live" phase then the facility shall be manned on 24/7 basis and for 365 days for years to come (at least 10 years), in such case it is not possible to take the shut down for maintenance purpose or retrofittings. So it is mandatory to use sustainable and maintenance free furniture.</p> <p>3. The operators shall be working in this environment for years to come so it is mandatory to design the interiors in such a way that the operators feel associated with the control room and they work with their full efficiency. Also this workplace should bring a sense of pride in the users as well as the owners.</p>	As per RFP
735		additional suggestion/ Request	<p>2) Human Factor of Operation Centre i.e. Operator's Comfort: Ergonomic Consideration to reduce Occupational Health Hazard : This being one of its kind project the furniture must support the functionality of the operator and the same should be designed as per the ergonomic norms to reduce the occupational ergonomic health hazards like back pain, neck pain, spondylitis etc. So for proper designing please refer the Workstation queries attached herewith.</p>	As per RFP
736		additional suggestion/ Request	<p>3) Fire Safety & Flexibility: In addition to Ergonomics the Furniture must be safe in terms of fire and must be flexible enough to accomodate future technologies without any major price implications.</p> <p>1. Fire Safety : Tested & certified as per ASTM E-84 to prevent surface spread of fire. In brief, any material which is used in the control desk must not propagate fire.</p> <p>2. Modularity and Retrofitting : The entire system should be modular to allow possible future integration of equipments / Expansion of consoles.</p>	As per RFP

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
737		additional suggestion/ Request	<p>4) Occupational Health Hazard: Each and every finish or coating has certain chemical composition as it emits fumes/VOCs (volatile organic compounds). These organic compounds are majorly responsible for the respiratory disease and few VOCs act as carcinogens (substance directly involved in causing cancer). So it is necessary that the finishes emit the VOCs within international permissible norms.</p> <p>Greenguard is the norm which certifies that the emissions are within the permissible norms and hence the furniture must be Greenguard certified.</p> <p>Front edge of the table top shall have Molded Polyurethane (PU) Edge on profiled wooden core, this cushion ensures wrist comfort during long working hours and in case of emergency it reduces the chances of injury to operators.</p>	As per RFP
738		additional suggestion/ Request	5)Aesthetics (Visual Appeal) : In addition to the functionality, it is mandatory that aesthetical appeal remains there so that the users remain associated with the control room and work with full efficiency.	As per RFP
739		additional suggestion/ Request	6) Durability : The entire furniture must be BIFMA (Business and Institutional Furniture Manufacturer's association America) X5.5 certified to serve a warranted life of 10 years.	As per RFP
740		Vehicle Speed Detection	<p>Detection of vehicle speed is done accurately by the help of Radar System integrating with the related camera.</p> <p>We understand that you have design the solution to capture the speed as well as vehicle Number plate, and same can be integrated with RTO server and to generate the e.Challan which can be sent via SMS also.</p> <p>Normally, we have seen in such scenario a combination of Radar, Static camera and Flash is used during night time or in the low light conditions like FOG and rain.</p>	No Change
741	2.3 Eligibility Criteria2.3 Eligibility CriteriaSr.No.9 clause b Page No.12	OEM for other networking equipment's should be in the top Five positions in terms of market share in India as per latest available IDC report or should be present in latest Gartner magic Quadrant	<p>As we understood this clause also applicable to Managed Outdoor L2 Switch, PoE with Fibre Port-.</p> <p>Clause mention that other Networking equipment should be in top five in IDC or Gartner report ;This report is not applicable for Industrial switches, but applicable for commercial Ethernet equipment.</p> <p>The applicable reports for industrial switches are ARC /IHS reports. None of the top manufacturers of Industrial Ethernet equipment do fall in the IDC / Gartner report.</p> <p>Such specs do not allow the top global industrial Ethernet companies to participate in this prestigious tender. https://www.arcweb.com https://ihsmarkit.com/</p> <p>We request to remove IDC and Gartner for Outdoor switches or mention equivalent report.</p>	No Change
742	4.25 Managed Outdoor L2 Switch, PoE with Fibre Port-S/n 1. Page No. 58	Minimum 8 No's of 10/100/1000 Base-TxPoE ports (Duplex, Full, Half	<p>As per the Project Functional Requirement the Traffic Surveillance Cameras i.e. Edge Devices (IP CAMERA) will be connected to outdoorSwitches.</p> <p>IP Cameras are available with Ethernet Speed support 10/100 mbps only.</p> <p>However as per RFQ the outdoor managed switches specification demands for Ethernet Port speed supporting 10/100/1000Tx.</p> <p>Considering this we would recommend to consider Edge Switch supporting Ethernet speed of 10/100TX which can optimize the solution</p>	No Change
743	4.25 Managed Outdoor L2 Switch, PoE with Fibre Port-S/n 14. Page No. 59	Temperature: Ambient temperature range of 0 ° C to 55 ° C. The bidder has to take into consideration of the internal temperature adjustment of the junction box	<p>Ahmedabad City records temperature during summer time in 45 Degree.</p> <p>The Field Industrial Switches will be mounted in Junction Box along with other devices like the cameras, traffic sensors, traffic light and UPS and all this devices for sure will Generate Heat which will add up to overall inside Junction Box Temperature which may affect performance of overall System.</p> <p>werecommend to consider minimum 65 to 70 Degree operating temp. For Edge Switches So just to handle those adverse situations and to ensure uninterrupted streaming for all mission critical operation which runs 24/7.</p>	No Change
744	Additional clause		Just to safeguard the quality measures of Industrial Grade Switches, please consider Industry Specific Certificates such as RoHS and EMC as FCC Part 15, Subpart B, Class A, UL.	No Change
745	Page 67 of 106 4.39 Storage (For Applications)	Storage solution should comprise of Active-Active Load Balancing Storage Controllers with 64GB Cache from day one and the storage solution should be scalable up to 128GB Cache without replacing existing Controllers	Request you to Modify the Existing Clause to read as follows : " Storage solution should comprise of Active-Active Load Balancing Storage Controllers with 64GB Cache from day one .The storage solution should be scalable to 128 GB Cache by adding more controllers/systems in the solution"	Please Refer Revised RFP Document
746	Page 68 of 106 4.40 Storage (For Video's)	Storage solution should comprise of Active-Active Load Balancing Storage Controllers with 64GB Cache from day one and the storage solution should be scalable up to 128GB Cache without replacing existing Controllers	Request you to Modify the Existing Clause to read as follows : " Storage solution should comprise of Active-Active Load Balancing Storage Controllers with 64GB Cache from day one .The storage solution should be scalable to 128 GB Cache by adding more controllers/systems in the solution"	Please Refer Revised RFP Document

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
747	Eligibility	<p>The bidder must have annual turnover of at least Rs. 500 Crores for each of the last three financial years as on 31st March, 2017.</p> <p>Average Annual Turnover of the bidder generated solely from supply/service for (active and passive) Networking (setting up or O&M) and Data Centre (setting up or O&M) during the last three financial years, should be at least Rs. 250 crores.</p> <p>In case Bidder is a wholly owned / 100 % subsidiary, the turnover of Parent company would be considered for eligibility.</p>	<p>The bidder must have Average Annual Turnover of at least Rs. 500 Crores for the last three financial years as on 31st March, 2017. In case audited balance sheet of Financial Year 2016-17 is not available, bidder can submit the audited balance sheet and Profit & loss statement for financial year 2013-14, 2014-1 and 2015-16.</p> <p>Average Annual Turnover of the bidder generated solely from IT / ITes during the last three financial years, should be at least Rs. 300 crores.</p> <p>In case Bidder is a wholly owned / 100 % subsidiary, the turnover of Parent company would be considered for eligibility.</p>	Please Refer Revised RFP Document
748	Eligibility	The bidder must have positive net worth and should be Profit making in each of the last three financial years as on 31st March, 2017	The bidder must have positive net worth and should be Profit making in each of the last three financial years as on 31st March, 2017 . In case audited balance sheet of Financial Year 2016-17 is not available, bidder can submit the audited balance sheet and Profit & loss statement for financial year 2013-14, 2014-1 and 2015-16	Please Refer Revised RFP Document
749	Eligibility	<p>Bidder should have demonstrable expertise and experience of setting up or O&M of integrated control room/city wide control room/emergency response centre with One such Project having minimum 20 seating capacity</p> <p>Or</p> <p>Data Centre (minimum 400 core computing capacity)/ 2000 Plus WAN Node during last three years as on bid issuance date.</p> <p>Note: In-house projects for their own corporations executed by the bidder shall not be considered for above purpose.</p> <p>Note: In case Bidder is a wholly owned subsidiary, the experience of Parent company would be considered for eligibility</p>	<p>Bidder should have demonstrable expertise and experience of setting up or O&M of integrated control room/city wide control room/emergency response centre with One such Project having minimum 10 seating capacity</p> <p>Or</p> <p>Data Centre (minimum 400 core computing capacity)/ 2000 Plus WAN Node during last three years as on bid issuance date.</p> <p>Note: In-house projects for their own corporations executed by the bidder shall not be considered for above purpose.</p> <p>Note: In case Bidder is a wholly owned subsidiary, the experience of Parent company would be considered for eligibility</p>	Please Refer Revised RFP Document
750	Eligibility		we request tou to kindly allow the consortium bid (lead bidder + one consortium partner)	Please Refer Revised RFP Document
751	Indoor Fixed Dome Camera with POE	Environmental Certification and Housing: IP66 and IK10 rated	Since this is a indoor application IP66 and IK10 are outdoor application standards.	Please refer Revised RFP Document
752	Camera Type A (Box Camera for ANPR and RLVD, Speed Detection)	codec: Audio Compression: G.711	Since the camera is located in a IP 66 enclosure Audio is a redundant function and no voice can be recorded	Please refer Revised RFP Document
753	Camera Type B (Box camera for surveillance)	codec: Audio Compression: G.711	Since the camera is located in a IP 66 enclosure Audio is a redundant function and no voice can be recorded	Please refer Revised RFP Document
754	PTZ Joystick	Minimum 10 Programmable buttons	As there are over 100 presets in the PTZ having programmable buttons for 4 different directions would serve the purpose. Request you to amend to 4 Programmable buttons	No Change
755	PTZ Joystick	Multi Camera Operations	Since any joystick can operate one camera at a time. By selecting other camera through VMS multi camera can be operated. Request you to amend to single camera Operation	Please refer Revised RFP Document
756	3.1.1.4 / C	<p>The video feeds would be kept for 30 days. After 30 days, the video feeds would be overwritten unless it is flagged or marked by the Police/appropriate authority for investigation or any other purpose. The video feeds of all relevant cameras capturing the incident in question would be stored until the Police/appropriate authority deem it good for deletion. Further, incidents that are flagged by the Police or any court order, the video of the relevant portion from all relevant cameras should be stored/archived separately for investigation purposes at the District HQ and the centralized CCC as decided by the TENDERER.</p>	Please share the retention period of those videos, which is flagged or marked by police/appropriate authority for investigation	Will be informed to successful bidder on case to case basis

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
757	3.1.2.7 / F	The bidder will also cover the failure of the end point equipment's due to earthing or power fluctuations under this warranty/AMC. It is the responsibility of the bidder to undertake preventive maintenance of the supplied UPS and proper earthing to avoid this risk	Its responsibility of the TENDERER, if failure of the equipment's due to earthing or power fluctuations.	No, the clause clearly states that it will be the responsibility of the bidders
758	3.2	Delivery of the IT and Non-IT Equipment of central Infrastructure as defined in BoQ (hardware and software) at a central location/Vendors Warehouse	Within 60 calendar days from the date of approval of the PoC	Please refer Revised RFP Document
759	4.27 / 3	2 x 900 GB SAS (10k rpm) hot swap disk	Disk should be minimum 900GB SAS 10K RPM	Please refer Revised RFP Document
760	4.4	The Storage should be based on IP address and the time stamp of the feed for video data, images received from camera.	Does bidder consider IP/ISCSI/FC/FCOE/NFS/CIFS based Solution	Please refer Revised RFP Document
761	Annexure B		Please share location wise existing server, Storage & Backup Infrastructure detail.	Please refer Revised RFP Document
762	Annexure C		Location wise Server requirement missing in Annexure C.	Please refer Revised RFP Document
763	General		Backup part is missing in RFP, Does the bidder consider backup solution for Application & Database	As per RFP
764	General		Does the bidder consider storage base replication from District Control Room to CCC	As per RFP
765	SASGUJ Project- 2017419181344779 Section - VI Price Bid	SCHEDULE – I For Command and Control Centre 3. Access Control System Nos. 01 9. Indoor Fixed Dome Cameras Nos. 10	Price bid having ACS & Indoor fixed Camera. Can we propose Fire Safety systems like Fire Alarm System, Fire Suppression / Extinguishing system or any other (rodent repellent, Water Leak detection system etc) as per site conditions / criticalness? Please confirm	Please refer Revised RFP Document
766	SASGUJ Project- 2017419181344779 Section - IV Technical Specifications	4.35 Access Control System 12. Processor Min 50 MHz with 32 MB RAM	Please remove this specifications, as nowadays NOT all ACS controllers are coming/selected Based on this feature. Kindly remove the same.	As per RFP
767	General	General - IBMS_CCC 1. Central Infrastructure - For Command and Control Centre 2. For District Control Room's 3. For City Control Room	For list of 3Nos Command and Control Centres, 1. Need Layout / Floor Plan for all with proper/visible rooms, partitions and its names 2. Dimension details for every room like Length, Width of each room. 3. Height measurement with any false ceiling & false flooring if any for any given rooms in a CCC? Please provide the same.	As per RFP
768	General	General - IBMS_CCC	How exactly the Command and Control Centres are segregated for Phase 1 & 2 set of Cities? Please clarify.	As per RFP
769	General	General - IBMS_CCC	Where does the Centralized Command and Control Centre and District / City level Control centres are identified? Please specify with exact location details identified as well?	Please refer Revised RFP Document
770	General	General - IBMS_CCC	How many District / City level Control Centres are going to be setup for this project? Please provide the details.	Please refer Revised RFP Document
771	Scope of Work - Approach	Successful bidder of SASGUJ is responsible for integration of the Rajkot CCTV surveillance project with SASGUJ.	As we are not aware of what is the design of Rajkot CCTV Project, what if there is some extra material required or some Service component missing. With whom does responsibility be in that case	Please refer Sr. 576
772	Scope of Work - Approach	At present various surveillance projects are implemented across the states with distributed approach and are working in silos. The foremost objective of the SASGUJ is to create a state level surveillance system wherein gradually each and every system merge with the SASGUJ and central command and control center will be able to view the feeds of the entire state on demand.	1. No details given on how each CCTV system of Cities or each Control Center will be connected to Central location. 2. Where is the Central location to be considered, in which city ? 3. Will all cities be connected through Fiber Cable ? 4. Need to understand the bifurcation of Racks too as there is no clarity. 5. In Price Bid, BoQ line item are frozen. What about service line items which will have HDPE, GI, Excavation, Laying of cables, Termination etc.	Point no. 1 to 4: Please refer Revised RFP Document. Point no. 5: Cost of line items are inclusive of all the required accessories, cable, installation, commissioning etc.

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
773	Section - I	Sno-7 Copies of work order and the client certificates for satisfactory completion of project. Undertaking from the Parent company to support its wholly owned subsidiary	As the projects are under confidentiality or Non-Disclosure Agreement (with clients), therefore it would not be possible to submit copies of Work Order. It is therefore requested that bidder be allowed to submit and undertaking signed by the Company Secretary of the organisation.	Please refer Revised RFP Document
774	Section - I	Sno-3 Audited and Certified Balance Sheet and Profit/Loss Account of last 3 Financial Years should be enclosed. Statutory auditors certificate mentioning net profit of the bidder should be enclosed.	It is suggested that the following clause be modified as given below - "Audited and Certified Balance Sheet and Profit/Loss Account of last 3 Financial Years should be enclosed." Statutory Auditors / CA Certificate mentioning net profit of the bidder should be enclosed."	Please refer Revised RFP Document
775	Section I - Key Information and Instructions	"Law" shall mean any act, notification, by-law, rules and regulations, directive, ordinance, order or instruction having the force of law enacted or issued by the Central Government and/ or the Government of Gujarat or any other Government or regulatory authority or political subdivision of government agency.	Bidder requests modification: - "Law" shall mean any act, notification, by-law, rules and regulations, directive, ordinance, order or instruction having the force of law enacted or issued by the Central Government and/ or the Government of Gujarat or any other Government or regulatory authority or political subdivision of government agency <u>and applicable to the bidder while provisioning services during the term of the contract.</u>	No change
776	Section I - Key Information and Instructions	"Requirements" shall mean and include schedules, details, description, statement of technical data, performance characteristics, standards (Indian as well as International) as applicable and specified in the Agreement.	Bidder requests modification: - "Requirements" shall mean and include schedules, details, description, statement of technical data, performance characteristics, standards (Indian as well as International) as applicable and specified in the Agreement.	No change
777	Section III - Scope of Work Clause - 3.1.1.1 - General Obligations under the system integrator	Selected Bidder is responsible for below mentioned indicative list of activities applicable for all the components/sub-components of the project but not limited to: -	Selected Bidder is responsible for below mentioned indicative list of activities applicable for all the components/sub-components of the project but not and limited to: -	No change
778	Section III - Scope of Work Clause - 3.1.1.1 - General Obligations under the system integrator	3.1.2.6 As part of the Operations and Maintenance services, the bidder shall provide support for the software, hardware, and other infrastructure provided as part of this RFP. The bidder shall also provide services comprising of but not limiting to the following: a) Operations and maintenance services for the IT and Non-IT Infrastructure supplied or commissioned by the bidder at the designated locations as defined in this RFP document during the contract period. b) The scope of work under O&M is not limited to the IT and Non-IT Infrastructure components deployed by the successful bidder but it also includes O&M for any additional equipment/devices/hardware/software related to the project supposed to be procured during the contract period of 5 years by the TENDERER. c) O&M charges for any such additional work shall be paid at 2% per annum of the cost of such additional equipment/devices/hardware/ software component to be deployed at the central site and the rate of 10% per annum for the end point devices. Further successful bidder is required to comply with the overall SLA requirement of contract for any such additional SoW.	3.1.2.6 As part of the Operations and Maintenance services, the bidder shall provide support for the software, hardware, and other infrastructure provided as part of this RFP. The bidder shall also provide services comprising of but not limiting to the following: a) Operations and maintenance services for the IT and Non-IT Infrastructure supplied or commissioned by the bidder at the designated locations as defined in this RFP document during the contract period. b) The scope of work under O&M is not limited to the IT and Non-IT Infrastructure components deployed by the successful bidder but it also includes O&M for any additional equipment/devices/hardware/software related to the project supposed to be procured during the contract period of 5 years by the TENDERER. c) O&M charges for any such additional work shall be paid at 2% per annum of the cost of such additional equipment/devices/hardware/ software component to be deployed at the central site and the rate of 10% per annum for the end point devices. Further successful bidder is required to comply with the overall SLA requirement of contract for any such additional SoW.	No change
779	Section III - Scope of Work Clause - 3.1.1.1 - General Obligations under the system integrator	c) Bidder shall provide the performance warranty in respect of performance of the installed hardware and software to meet the performance requirements and service levels in the RFP.	Request deletion of this clause	No change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
780	Section III - Scope of Work Clause - 3.1.1.1 - General Obligations under the system integrator	The bidder shall carry out Preventive Maintenance (PM), including cleaning of interior and exterior, of all hardware and testing for virus, if any, and should maintain proper records at each site for such PM. Failure to carry out such PM will be a breach of warranty and the warranty period will be extended by the period of delay in PM.	Bidder requests modification: - The bidder shall carry out Preventive Maintenance (PM), including cleaning of interior and exterior, of all hardware and testing for virus, if any, and should maintain proper records at each site for such PM. Failure to carry out such PM will be a breach of warranty and the warranty period will be extended by the period of delay in PM.	No change
781	Section III - Scope of Work Clause - 3.1.2.11 - MIS Reports	The successful bidder shall submit the reports on a regular basis (the reports may be soft copy / hard copy or both, as required by the TENDERER from time to time) in a mutually decided format. The following is only an indicative list of MIS reports that may be submitted to the TENDERER or its user departments:	Bidder requests modification: - The successful bidder shall submit the reports on a regular basis (the reports may be soft copy / hard copy or both, as required by the TENDERER from time to time) in a mutually decided format. The following is the only an indicative list of MIS reports that may be submitted to the TENDERER or its user departments:	No change
782	Section III - Scope of Work Clause - 3.1.2.12 - O&M of Physical Infrastructure	For the Physical infrastructure installed at site locations such as Junction boxes, Poles, Towers, casings etc. the Successful bidder will have to keep a check of such items and maintain the same from weather conditions, rodents etc. for the entire duration of the contract. The selected bidder shall have back-to-back arrangement with the OEMs and shall provide a copy of the service level agreement signed with respective OEMs Full compliance to all the policies, procedures, processes, guidelines, Government- Acts, Rules & Regulations, etc. The bidder shall provide full compliance/adherence of all activities performed by them, to the aforementioned statutes, without any additional cost to the TENDERER.	Bidder requests modification: - For the Physical infrastructure installed at site locations such as Junction boxes, Poles, Towers, casings etc. the Successful bidder will have to keep a check of such items and maintain the same from weather conditions, rodents etc. for the entire duration of the contract. The selected bidder shall have back-to-back arrangement with the OEMs and shall provide a copy of the service level agreement signed with respective OEMs Full compliance to all the <u>applicable statutory</u> policies, procedures, processes, guidelines, Government- Acts, Rules & Regulations, etc. The bidder shall provide full compliance/adherence of all activities performed by them, to the aforementioned statutes, without any additional cost to the TENDERER.	No change
783	Section III - Scope of Work Clause - 3.2 - Implementation Timelines	a. Signing of contract agreement - Within 15 calendar Days from date of issuance of LOI/ Work order b. Submission of performance Bank Guarantee - Within 15 calendar Days from date of issuance of LOI/ Work order	a. Signing of contract agreement - Within 15 calendar Days from date of issuance of LOI/ Work order b. Submission of performance Bank Guarantee - Within 15 calendar Days from date of issuance of LOI/ Work order <u>signing of the contract by both the parties or issue of final work order, whichever is later</u>	Please refer Revised RFP Document
784	Section III - Scope of Work Clause - 3.2 - Implementation Timelines	Deliverables - Implementation Roadmap, plan and execution strategy document (Include feasibility study, site survey, fixtures, Edge devices, coupling, clamp, pole, Gantry etc.) - Timeline - Within 30 calendar days of issuance of LOI/Work order	Deliverables - Implementation Roadmap, plan and execution strategy document (Include feasibility study, site survey, fixtures, Edge devices, coupling, clamp, pole, Gantry etc.) - Timeline - Within 30 calendar days of issuance of LOI/Work order <u>from the date of signing of the contract by both the parties</u>	Please refer Revised RFP Document
785	Section III - Scope of Work Clause - 3.2 - Implementation Timelines	Deliverables - Proof of concept for 50 CCTV cameras, with VMS detection and challan generation for speed limit violation and RLVD, ANPR (Instead of central side solution for the application, cloud based solution allowed for the POC, will have to use CCTV camera from 3 different OEMs) - Timeline - Within 30 calendar days of issuance of LOI/Work order	Deliverables - Proof of concept for 50 CCTV cameras, with VMS detection and challan generation for speed limit violation and RLVD, ANPR (Instead of central side solution for the application, cloud based solution allowed for the POC, will have to use CCTV camera from 3 different OEMs) - Timeline - 30 days from Loi/Work order <u>the date of signing of the contract by both the parties</u>	Please refer Revised RFP Document

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
786	Section III - Scope of Work Clause - 3.2 - Implementation Timelines	Please note that if the successful bidder fails to complete Proof of concept or perform as per the requirement of the TENDERER even after the second attempt, then his EMD will be forfeited, contract terminated, and the work will be assigned to L2 bidder, subjected to his acceptance, at cost to the successful bidder.	Bidder requests modification: - Please note that if the successful bidder fails to complete Proof of concept or perform as per the requirement of the TENDERER even after the second attempt, then his EMD will be forfeited, contract terminated, and the work will be assigned to L2 bidder, subjected to his acceptance, at cost to the successful bidder.	Please refer Revised RFP Document
787	Section V - Instructions to Bidder Clause - 5.7.6 - EMD	The EMD may be forfeited, In case of a Bidder if: 5.7.6.1 The bidder withdraws its bid during the period of bid validity. 5.7.6.2 The Bidder does not respond to requests for clarification of their Bid. 5.7.6.3 The Bidder fails to co-operate in the Bid evaluation process. 5.7.6.4 In case of successful bidder, the said bidder fails: 5.7.6.4.1 Fails to sign the agreement in time 5.7.6.4.2 Fails to submit performance bank guarantee	Bidder requests modification: - The EMD may be forfeited, In case of a Bidder if: 5.7.6.1 The bidder withdraws its bid during the period of bid validity. 5.7.6.2 The Bidder does not respond to requests for clarification of their Bid. 5.7.6.3 The Bidder fails to co-operate in the Bid evaluation process. 5.7.6.4 In case of successful bidder, the said bidder fails: 5.7.6.4.1 Fails to sign the agreement in time <u>after having considered all the deviations and arriving to a mutually agreed position</u> 5.7.6.4.2 Fails to submit performance bank guarantee <u>after signing the contract with the Tenderer.</u>	Please refer Revised RFP Document
788	Section V - Instructions to Bidder Clause - 5.10.4 - Section comprising the bids	5.10.4 Arithmetical errors will be rectified on the following basis.	Request you to please provide the basis of such rectification	Please refer Revised RFP Document
789	Section V - Instructions to Bidder Clause - 5.12 - Bid Validity	5.12.1 Bids shall remain valid for 180 days after the date of Bid opening prescribed by the TENDERER. A Bid valid for a shorter period shall be rejected as non-responsive.	5.12.1 Bids shall remain valid for 180 days after <u>from</u> the <u>last</u> date of Bid <u>submission</u> opening prescribed by the TENDERER. A Bid valid for a shorter period shall be rejected as non-responsive.	As per RFP
790	Section V - Instructions to Bidder Clause - 5.15 - Bid evaluation Process	In case of conditional bid or major deviations from the RFP requirements, the TENDERER may at its discretion reject the respective bid and will not be considered for further evaluation process.	Request deletion of this clause	As per RFP
791	Section V - Instructions to Bidder Clause - 5.16 - Award of Contract	5.16.1 Award Criteria: The Criteria for selection will be the lowest cost to the TENDERER for the qualified bid. The TENDERER may negotiate the prices with L1 Bidder, under each item/head offered by Bidder.	Request you to change the selection criteria to QCBS with 80% weightage to technical score and 20% weightage to commercial score.	No Change
792	Section V - Instructions to Bidder Clause - 5.16 - Award of Contract	5.16.3 In case, the lowest bidder does not accept the award of contract or found to be involved in corrupt and/or fraudulent practices, the next lowest bidder will be awarded the contract. In such scenario, the next lowest bidder has to match the Lowest Bidder's Price and execute the project at the L1 Price for the entire contract duration.	Bidder requests modification: - 5.16.3 In case, the lowest bidder does not accept the award of contract or found to be involved in corrupt and/or fraudulent practices, the next lowest bidder will be awarded the contract <u>on mutually agreed rates, terms and conditions</u> and return it to the TENDERER. The contract Performance guarantee has to be submitted within 15 calendar days <u>from the date of signing of the contract by both the parties or of receipt of final work order, whichever is later.</u> The Performance Bank guarantee shall be equal to 10% of the contract value valid for duration of 180 days beyond the expiry of contract.	No Change
793	Section V - Instructions to Bidder Clause - 5.17 - Notification of Award & Signing of Contract	5.17.2 Within Seven (7) calendar days of receipt of the Contract Form, the successful Bidder shall sign and date the Contract and return it to the TENDERER. The contract Performance guarantee has to be submitted within 15 calendar days of receipt of final work order. The Performance Bank guarantee shall be equal to 10% of the contract value valid for duration of 180 days beyond the expiry of contract.	5.17.2 Within Seven (7) <u>fifteen (15)</u> calendar days of receipt of the Contract Form, the successful Bidder shall sign and date the Contract <u>containing mutually agreed terms and conditions</u> and return it to the TENDERER. The contract Performance guarantee has to be submitted within 15 calendar days <u>from the date of signing of the contract by both the parties or of receipt of final work order, whichever is later.</u> The Performance Bank guarantee shall be equal to 10% of the contract value valid for duration of 180 days beyond the expiry of contract.	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
794	Section V - Instructions to Bidder Clause - 5.18 - Force Majeure	As per RFP	Request the addition of the following - <u>It stands clarified that the Tenderer shall not be excused from meeting its timely payment obligations during Force Majeure. Also, in case Force Majeure subsists for more than sixty (60) days, either Party shall have the right to terminate the contract and in case of such termination, the bidder shall be paid for all the goods delivered and services rendered up to the effective date of termination.</u>	No Change
795	Section V - Instructions to Bidder Clause - 5.21 - Representations and Warranties	5.21.1.5 There is no pending or threatened actions, suits or proceedings affecting the selected agency or its affiliates or any of their respective assets before a court, governmental agency, commission or arbitrator or administrative tribunal which affects the selected agency's ability to perform its obligations under the Agreement; and neither selected agency nor any of its affiliates have immunity from the jurisdiction of a court or from legal process (whether through service of notice, attachment prior to judgment, attachment in aid of execution or otherwise); 5.21.1.6 The selected agency confirms that all representations and warranties of the selected agency set forth in the Agreement are true, complete and correct in all respects;	Bidder requests modification: - 5.21.1.5 There is no pending or threatened actions, suits or proceedings affecting the selected agency or its affiliates or any of their respective assets before a court, governmental agency, commission or arbitrator or administrative tribunal which materially affects the selected agency's ability to perform its obligations under the Agreement; and neither selected agency nor any of its affiliates have immunity from the jurisdiction of a court or from legal process (whether through service of notice, attachment prior to judgment, attachment in aid of execution or otherwise); 5.21.1.6 The selected agency confirms that all representations and warranties of the selected agency set forth in the Agreement are true, complete and correct in all respects <u>to the best of the Selected Agency's knowledge and understanding;</u>	No Change
796	Section V - Instructions to Bidder Clause - 5.23 - Books & Records	The selected agency shall maintain adequate Documents Related to project's physical materials & equipment's for inspection and audit by the TENDERER during the terms of Contract until expiry of the performance guarantee.	The selected agency shall maintain adequate Documents Related to project's physical materials & equipment's for inspection and audit by the TENDERER during the terms of Contract until expiry of the performance guarantee. <u>However, in no case the tenderer shall have a right for inspection or audit of the internal cost records of the selected agency.</u>	No Change
797	Section V - Instructions to Bidder Clause - 5.24 - Warranty Terms	In the event that the materials supplied do not meet the specifications and / or are not in accordance with the Scope of work set out in this order, and rectification is required at all specified locations, The TENDERER shall notify the Successful bidder giving full details of difference. The Successful bidder shall attend to such materials (at specified locations) within seven days of receipt of such notice to meet and agree with representatives of GIL/Home Department, the action required to correct the deficiency. Should the Successful bidder fail the attend meeting at locations within the time specified above, the TENDERER shall be at liberty to rectify the work/materials and Successful bidder shall reimburse the TENDERER all costs and expenses incurred in connection with such trouble or defect.	Bidder requests modification: - In the event that the materials supplied do not meet the specifications and / or are not in accordance with the Scope of work set out in this order, and rectification is required at all specified locations, The TENDERER shall notify the Successful bidder giving full details of difference. The Successful bidder shall attend to such materials (at specified locations) within seven days of receipt of such notice to meet and agree with representatives of GIL/Home Department, the action required to correct the deficiency. Should the Successful bidder fail the attend meeting at locations within the time specified above, the TENDERER shall be at liberty to rectify the work/materials and Successful bidder shall reimburse the TENDERER all costs and expenses incurred in connection with such trouble or defect. <u>Provided however that the Tenderer shall first give a prior reasonable notice to the Service Provider to rectify the default and only if the default continues even after the expiry of the cure period shall the Tenderer have the right to invoke this clause. Provided further that the aggregate liability on account of the invocation of this clause shall be restricted to 5% of the charges which otherwise would have been payable to the Service Provider had this clause not been invoked.</u>	No Change
798	Section V - Instructions to Bidder Clause - 5.25 - Performance Guarantee	5.25.3 The Performance Guarantee shall be valid for a period of 180 days beyond Contract period and shall be denominated in Indian Rupees and shall be in the form of an unconditional Bank Guarantee issued by all Public-Sector Banks / private banks having branch in Gandhinagar\Ahmedabad in the format provided by the TENDERER to be submitted Within 15 calendar days from the date of final work order.	5.25.3 The Performance Guarantee shall be valid for a period of 180 days beyond Contract period and shall be denominated in Indian Rupees and shall be in the form of an unconditional Bank Guarantee issued by all Public-Sector Banks / private banks having branch in Gandhinagar\Ahmedabad in the format provided by the TENDERER to be submitted Within 15 calendar days from the date of <u>signing of the contract by both the parties or the issue of final work order, whichever is later.</u>	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
799	Section V - Instructions to Bidder Clause - 5.26 - Termination Clause	5.26.1.3 In case the bidder fails to delivered, Installed and commission ordered items within the prescribed time lines and extension granted if any. In such scenario the TENDERER reserve the right to procure the same from other bidders at the risk, cost and responsibility of the selected agency.	5.26.1.3 In case the bidder fails to delivered, Installed and commission ordered items within the prescribed time lines and extension granted if any. In such scenario the TENDERER reserve the right to procure the same from other bidders at the risk, cost and responsibility of the selected agency. <u>However, in no case shall the abovementioned cost exceed 5% of the price of the undelivered items/ unfinished services as quoted by the bidder in the original bid.</u> <u>It stands clarified that upon termination of the Agreement for any reason whatsoever, the bidder shall be paid for all the goods delivered and services rendered upto the effective date of termination.</u>	No Change
800	Section V - Instructions to Bidder Clause - 5.28 - Limitation of Liability	Selected agency's cumulative liability for its obligations under the contract shall not exceed the value of the charges payable by the TENDERER within the remaining duration of the contract term from the day claim is raised and selected agency shall not be liable for incidental, consequential, or indirect damages including loss of profit or saving.	Request you to change the given clause as follows:- <u>Notwithstanding anything to the contrary elsewhere contained in this or any other contract between the parties, neither party shall, in any event, be liable for (1) any indirect, special, punitive, exemplary, speculative or consequential damages, including, but not limited to, any loss of use, loss of data, business interruption, and loss of income or profits, irrespective of whether it had an advance notice of the possibility of any such damages; or (2) damages relating to any claim that arose more than one year before institution of adversarial proceedings thereon.</u> <u>Subject to the above and notwithstanding anything to the contrary elsewhere contained herein, the maximum aggregate liability of Bidder for all claims under or in relation to this Agreement, shall be, regardless of the form of claim(s), shall be limited to 25% of payments received under this contract.</u>	No Change
801	Section V - Instructions to Bidder Clause - 5.29 - Confidentiality	Payment Terms for Central Infrastructure Successful Delivery and Inspection of Hardware/Equipment at the central location/ Bidder's Warehouse - 50% of the Sum total of schedule I of financial bid Successful Installation, commissioning and FAT - 30% of the Sum total of schedule I of financial bid Successful Completion of 6 months from the date of FAT - 20% of the Sum total of schedule I of financial bid	Payment Terms for Central Infrastructure Successful Delivery and Inspection of Hardware/Equipment at the central location/ Bidder's Warehouse - 50% 50% 80% of the Sum total of schedule I of financial bid Successful Installation, commissioning and FAT - 30% 30% 15% of the Sum total of schedule I of financial bid Successful Completion of 6 months from the date of FAT - 20% 5% of the Sum total of schedule I of financial bid	Please refer Revised RFP Document
802	Section V - Instructions to Bidder Clause - 5.30 - Payment Terms	Payment Terms for End Devices and Edge location Infrastructure Successful Delivery and Inspection of each lot of 25 % at the central location/ Bidder's Warehouse - 60% of the Sum total of schedule I of financial bid Successful Installation, Commissioning & FAT of each lot of 25% - 30% of the Sum total of schedule I of financial bid Successful Completion of 3 months from the date of FAT - 10% of the Sum total of schedule I of financial bid	Payment Terms for End Devices and Edge location Infrastructure Successful Delivery and Inspection of each lot of 25 % at the central location/ Bidder's Warehouse - 60% 60% 80% of the Sum total of schedule I of financial bid Successful Installation, Commissioning & FAT of each lot of 25% - 30% 30% 15% of the Sum total of schedule I of financial bid Successful Completion of 3 months from the date of FAT - 10% 5% of the Sum total of schedule I of financial bid	Please refer Revised RFP Document
803	Section V - Instructions to Bidder Clause - 5.31 - Service Terms	5.31.4 The Bidder will have to carry out reinstallation of any of the software equipment 'Free of Cost, if required.	Bidde4 requests modification: - 5.31.4 The Bidder will have to carry out reinstallation of any of the software equipment <u>at a mutually agreed additional cost</u> 'Free of Cost, if required.	No Change'

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
804	Section V - Instructions to Bidder Clause - 5.32 - Warranty Support	<p>5.32.1 Bidder shall provide a comprehensive on site free support for 5 years from the date of FAT for all applications.</p> <p>5.32.2 Bidder shall provide the comprehensive support in respect of proper design, quality and security for all the software applications covered by the RFP. Bidder must warrant all software procured/developed and implemented as per this RFP against any bugs/issues during the support period.</p> <p>5.32.3 Bidder shall provide the performance warranty in respect of performance of the installed software to meet the performance requirements and service levels in the RFP.</p> <p>5.32.4 Bidder is responsible for sizing and procuring the necessary software/database licenses as per the performance requirements provided in the RFP. During the warranty period bidder shall augment or procure additional licenses at no additional cost in case the procured hardware or software is not adequate to meet the service levels.</p>	<p>Bidder requests modification: -</p> <p>5.32.1 Bidder shall provide a comprehensive on site free support for 5 years from the date of FAT for all applications.</p> <p>5.32.2 Bidder shall provide the comprehensive support in respect of proper design, quality and security for all the software applications covered by the RFP. Bidder must warrant all software procured/developed and implemented as per this RFP against any bugs/issues during the support period.</p> <p>5.32.3 Bidder shall provide the performance warranty in respect of performance of the installed software to meet the performance requirements and service levels in the RFP.</p> <p>5.32.4 Bidder is responsible for sizing and procuring the necessary software/database licenses as per the performance requirements provided in the RFP. During the warranty period bidder shall augment or procure additional licenses at no additional cost in case the procured hardware or software is not adequate to meet the service levels.</p>	No Change'
805	Section V - Instructions to Bidder Clause - 5.33 - Service Level and Penalty Clause	<p>Note: The Overall Penalty for Schedule I shall be capped at 10 % of the contract value or 20 % of the unpaid item, whichever is less. However maximum cap is 10 % of the contract value (Schedule I)</p>	<p>Note: The Overall Penalty for Schedule I shall be capped at 10% 5% of the contract value <u>of the undelivered items</u>, or 20 % of the unpaid item, whichever is less. However maximum cap is 10 % of the contract value (Schedule I)</p>	No Change'
806	Section V - Instructions to Bidder Clause - 5.33 - Service Level and Penalty Clause	<p>Successful Bidder shall be paid Quarterly Payment (QP) as per the services provided to the TENDERER. The overall penalty would be generally capped at 10% of QP amount. If the cap of overall penalty is reached in two consecutive quarters, the penalty cap for the third quarter onwards, for each quarter will increase by 5% over the penalty cap for the preceding quarter till it reaches 25% of the QP. In addition to the applicable penalty and the provisions pertaining to closure/termination of contract, the TENDERER shall be within its rights to undertake termination of contract if or anytime the penalty increases by 20 % of the QP. Once the penalty cap has increased beyond 10%, if the bidder through better performance delivery for any quarter, brings the leviable penalty below 10% then the computation of the 1st of the 2 consecutive quarters as referred above will reset and will begin afresh. Availability will be calculated on a quarterly basis.</p>	<p>Successful Bidder shall be paid Quarterly Payment (QP) as per the services provided to the TENDERER. The overall penalty would be generally capped at 10% 5% of QP amount. If the cap of overall penalty is reached in two consecutive quarters, the penalty cap for the third quarter onwards, for each quarter will increase by 5% over the penalty cap for the preceding quarter till it reaches 25% of the QP. In addition to the applicable penalty and the provisions pertaining to closure/termination of contract, the TENDERER shall be within its rights to undertake termination of contract if or anytime the penalty increases by 20 % of the QP. Once the penalty cap has increased beyond 10%, if the bidder through better performance delivery for any quarter, brings the leviable penalty below 10% then the computation of the 1st of the 2 consecutive quarters as referred above will reset and will begin afresh. Availability will be calculated on a quarterly basis.</p>	No Change'
807	Section V - Instructions to Bidder Clause - 5.37 - Fraudulent and Corrupt Practices	<p>5.37.3 The TENDERER will reject a proposal for award and may forfeit the EMD and/or Performance Bank Guarantee if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for, or in executing, contract(s).</p>	<p>Bidder requests modification: -</p> <p>5.37.3 The TENDERER will reject a proposal for award and may forfeit the EMD and/or Performance Bank Guarantee if it it a court of competent jurisdiction determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for, or in executing, contract(s).</p>	No Change'
808	Section V - Instructions to Bidder Clause - 5.39 - Acceptance Tests	As per RFP	<p>Bidder requests the following be added: -</p> <p><u>Services and/or deliverables shall be deemed to be fully and finally accepted by Customer in the event when Customer has not submitted its acceptance or rejection response in writing to Bidder within 15 days from the date of installation/commissioning or when Customer uses the Deliverable in its business, whichever occurs earlier. Parties agree that Bidder shall have 15 days time to correct in case of any rejection by Client.</u></p>	No Change'

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Vendors	Responses to Vendors
809	Section V - Instructions to Bidder Clause - 5.40 - COPYRIGHT AND INTELLECTUAL PROPERTY RIGHTS	5.40.1 The TENDERER will have exclusive right to use and own the application software (as customized from time to time), its source code along with further development rights and its derivatives. The software prepared cannot be used for any purpose whatsoever without the written consent of the TENDERER. 5.40.2 No software or services covered by the contract shall be developed or done by the company in violation of any right whatsoever of third party, and in particular, but without prejudice to the generality of the foregoing of any patent right, trademark or Similar right, or of any charge, mortgage or lien. Vendor will indemnify the TENDERER for all such correspondence.	Bidder requests modification: - 5.40.1 The TENDERER will have exclusive right to use and own the application software (as customized from time to time), its source code along with further development rights and its derivatives. The software prepared cannot be used for any purpose whatsoever without the written consent of the TENDERER. <u>To the extent material that is used in, enhanced, or developed in the course of providing services hereunder and such material is not identified as a Deliverable, is of a general abstract character, or may be generically re-used, Wipro owns (or will own) such material including: methodologies; delivery procedures; manuals; generic software tools, routines, frameworks, and components; generic content, research and background materials; templates; analytical models; project tools; and development tools (collectively, "Wipro Materials"). To the extent any Wipro Materials are necessarily required for the proper functioning of the Deliverables (such that the Deliverables will not function without the Wipro Materials) or are embedded into the Deliverables, Wipro grants to Company a perpetual, nonexclusive, non-transferable, royalty-free, worldwide license to use such Wipro Materials solely in conjunction with its use of such Deliverables. Company acknowledges that the Wipro Materials are Confidential Information of Wipro, regardless of whether so designated. This section shall not prohibit fee-based licensing of certain intellectual property of Wipro as may be agreed by the Parties.</u> <u>Wipro may use for any purpose any information which may be retained in the unaided memories of personnel performing the Services such as ideas, concepts, know-how, experience and techniques which do not contain any Company Confidential Information. An employee's memory is unaided if the employee has not intentionally memorized the information for the purpose of retaining and subsequently using or disclosing it.</u> 5.40.2 No software or services covered by the contract shall be developed or done by the company in violation of any right whatsoever of third party, and in particular, but without prejudice to the generality of the foregoing of any patent right, trademark or Similar right, or of any charge, mortgage or lien. Vendor will indemnify the TENDERER for all such correspondence.	No Change'
810	Section VI - Price Bid Note	2. The L1 Shall be calculated as L1 Price = {Sum Total of all the line Items i.e. Item no.1 to 20 and 22 to 73 of schedule I} + (100* Total Cost of Item no. 33 of schedule I) + {O&M Charges as per Schedule II}, without Taxes.	S. No. 33 is being counted twice whereas S. No. 21 has not been counted. Request clarification on this.	Please refer Revised RFP Document
811	Section VII - Format and Annexures - Format 1 - Proposal Covering Letter	5. We the Bidder are not under a declaration of Ineligibility for corrupt or fraudulent practices or blacklisted by any of the Government agencies.	Bidder requests modification: - 5. We the Bidder are not under a declaration of Ineligibility for corrupt or fraudulent practices or blacklisted by any of the Government agencies as on the date of submission of the bid.	Please refer Revised RFP Document
812	Section VII - Format and Annexures Format IV - Bank Guarantee Format for EMD This guarantee will remain valid up to 6 months from the last date of bid submission..... The EMD may be forfeited, In case of a Bidder if: 1) The bidder withdraws its bid during the period of bid validity. a. The Bidder does not respond to requests for clarification of their Bid. b. The Bidder fails to co-operate in the Bid evaluation process. c. The bidder, fails to furnish Performance Bank Guarantee in time. 2) The bidder fails to Sign the contract in accordance with this RFP 3) The bidder is found to be involved in fraudulent and corrupt practices This guarantee will remain valid up to 6 months from the last date of bid submission, (specify date)	No Change
813	Section VII - Format and Annexures Format V - Performance Bank Guarantee	3. This Guarantee shall come into effect immediately upon execution and shall remain in force for a period of months from the date of its execution.	3. This Guarantee shall come into effect immediately upon execution and shall remain in force for a period of months from the date of its execution till (specify date)	No Change
814	Request to be added	Taxes	Any increase or decrease in the rates of the applicable taxes or any new levy on account of changes in law, after the last date of submission of bid, shall be to the account of Customer.	Please refer Revised RFP Document
815	Request to be added	Savings Clause	Bidder's failure to perform its contractual responsibilities, to perform the services, or to meet agreed service levels shall be excused if and to the extent Bidder's performance is effected , delayed or causes non-performance due to Customer's omissions or actions whatsoever.	No Change
816	Request to be added	Deemed Acceptance	Services and/or deliverables shall be deemed to be fully and finally accepted by Customer in the event when Customer has not submitted its acceptance or rejection response in writing to Bidder within 15 days from the date of installation/commissioning or when Customer uses the Deliverable in its business, whichever occurs earlier. Parties agree that Bidder shall have 15 days time to correct in case of any rejection by Client.	No Change

Sr. No.	Tender Reference/ Page No./ Section No./ Clause No.	Tender Description	Query / Clarification / Suggestions from the Venders	Responses to Vendors
817	Request to be added	SNR	Customer hereby agrees to make the site ready as per the agreed specifications, within the agreed timelines. Customer agrees that Bidder shall not be in any manner be liable for any delay arising out of Customer's failure to make the site ready within the stipulated period, including but not limited to levy of liquidated damages for any delay in performance of Services under the terms of this Agreement.	Bidder will not be liable for delay due to Site Not ready
818	Request to be added	Transfer of risk and title	Bidder assumes that the title of ownership and risk of the goods supplied under this Contract is passed onto Customer on delivery of the material at the Customer location.	As Above
819	Request to be added	Assignment/Discounting of receivables	<p>(1) Customer hereby agrees and provides consent to Wipro to have enabling rights to assign the receivables under this Contract to a financial or banking institution or any other institution/organization engaged in the business of funding. For avoidance of doubt, such assignment may include but is not limited to sale of receivables.</p> <p>(2) Customer shall provide full support and cooperation to Wipro to enable Wipro to assign and discount the receivables which shall include execution of tri-partite agreement/undertaking in order to enable Wipro to complete the documentation aspect pertaining to the assignment of receivables.</p> <p>(3) In the event if RFP/Contract provides for takeover of ownership of Customer asset or asset financing for the project in any other manner, it shall be conditioned upon successfully securing the finances from a financial or banking institution or any other institution/organization engaged in the business of funding.</p>	As per RFP
820	Request to be added	Right to bidder for non payment:	Payment shall be released within 30 days of submission of invoice. In case delayed payment of undisputed amount, interest @ 12% shall be paid to the bidder. If the undisputed amount remain unpaid for over 90 days, the bidder should have right to exit from the account	As per RFP
821	3.1.1.3 INTEGRATED TRAFFIC MANAMGEMENT SYSTEM (Page 18) Further these applications will be deployed and will process on the video feeds at each of the district control rooms locally.....	<p>1)RLVD system comprises of inputs from Traffic Light, ANPR camera video and Evidence Camera video.In a scenario, when RLVD system processes centrally, the data from all three input may arrives at different time because of the latency of network connectivity which affects the co-ordination of the desired result. In a scenario, when data process locally, the coordination from all inputs works better in getting the desired result .</p> <p>2) Incase network connectivity breaks down , LPU can hold the data for max. upto 7 days (depending upon traffic density).Therefore, there would be no loss of data. Thus, locally stored data will get updated into the CMS once the network connectivity resumes. Hence, considering above points, it is recommended to process RLVD , ANPR and Speed system locally.</p>	No Change
822	a) Red Light Violation Detection System (Page 18)	(iii) The RLVD system and related videos as well as the surveillance video feed should go to the central control rooms, wherein the Red-Light violation and its Number plate detection shall take place at the Command and control centre end (server) in real time.		
823	b) Speed Detection System (Page 19)	(vii) The system should be capable enough to process the speed violations activity through the raw feed at the district/ city Control Center, and the details of violation like Speed Violation data, alert and videos/photo feed should be stored at the command and control centre.		
824	c) Automatic Number Plate Recognition (ANPR) System (Page 19)	(iv) The proposed ANPR system and related videos as well as the surveillance video feed should go to the command and control centre (servers with ANPR application) for processing and identification of the vehicle Registration plates.		
825	4.4 Speed Violation Detection (SVD) System (Page	7. The e Speed Violation details and alert and E-challan related videos/ photo feed should go to the central control room, whereas the processing and recording of the video footage of speed violation		