

SL#	RFP Volume Section and sub section	Page No.	Clause/Content in the RFP/corrigendum I points	Clarification sought/ Change Request (highlight the portion with red color which is intended to be changed)	Remarks	Corrigendum-II
1				CMM I Level: Please exclude lead bidder from CMMi level certification		allowed to either of consortium partner. Already replied in corrigendum.
2	Date Extension			RFP demands integration of various subsystems to deliver optimum quality of performance, it will take some more time to prepare and submit optimized proposal. We are working very closely with our technology and consortium partners and receiving suggestions from the OEMs to extend the bid submission date. Under the above circumstance, we would request for an extension of time for tender submission by at least 2 weeks i.e. up to 14th April 2018. We hope, you would grant our request in order to ensure fair participation of all bidders.		Extended till 7th April 2018
3	VOL-2   5.1.5.1.2.1 Automatic Number Plate Recognition (ANPR) System   5.1.5.1.2.1.2 Scope of Work	136	Sensor should have Stop Line and Advance 175-meter traffic analysis in single unit and should be maintenance free.	Requirement is not clear. Kindly clarify.		Accepted its part of vehicle detector for ATCS under 5.1.5.1.1 and not ANPR
4		136	Per vehicle data should be updated atleast 50 ms.The radar sensor should be 4D and should work in day and night and should be able to work in fog and rain.	Updation of vehicle data captured from ANPR Camera depends upon network latency and connectivity, hence, asked 50ms is not relevant and should be removed. Also, ANPR system does not require any additional sensor and hardware like 4D radar for wrong way. You are requested you to remove the clause.		Accepted. This clause stands deleted for ANPR only
5		136	Sensor should be IP67			
6		136	Additionally sensor should detect wrong direction Per vehicle data should be updated atleast 50 ms			Accepted. This clause stands deleted for ANPR only
7		136	Vehicle detector should be able to do stop line and advance traffic detection in a single unit ( counting, classification ( 3 classes) and gap detection for at least 150 meters).	Generally, Individual ANPR system works on stretches, hence asking for stop line detection is irrelevant. Also, in Indian scenario, ANPR camera works perfectly upto 15-20 m. Hence, we request you to amend the clause.		This is part of ATCS .Accepted its part of vehicle detector for ATCS under 5.1.5.1.1
8	Vol-2   5.1.5.1.2.1.4 Speed Violation Detection (SVD) System   5.1.5.1.2.1.4.1 Overview	141	CE and homologation certificate from Ministry of Traffic or equivalent department from respective country of origin, document authenticated by Indian Embassy (to authenticate that systems are legalized and tested for infractions to avoid legal issues). The Speed enforcement system should have legal decree/homologation certificate from ministry of traffic or equivalent department. ( MSI should provide authenticated copy from indian embassy) The Test reports for speed accuracy should be certified lab for Speed Enforcement ( and not not speed calibration of vehicle) and should be in addition to homologation/legal decree for the speed system/OEM.	Please note the following points related to Speed enforcement System:: 1) There are no separate Labs for speed enforcement certification in India.The equipments required for Speed accuracy measurement have to be NABL certified and are available with few labs in India. 2) Only in absence of such facility in India, any foreign certification will be deemed valid. Only NABL accredited labs can issue test reports which have a legal validity and this facility is already available in India. 3) As per MoUD circular no. D.O. No. K-14012/101/(17)/2017-SC-III-A dated April 27, 2017 (attached herewith ) categorically states that any foreign certification which restricts Indian OEMs may not be asked in tenders.  You are requested to remove the requirement line " <u>The Test reports for speed accuracy should be certified lab for Speed Enforcement ( and not not speed calibration of vehicle) and should be in addition to homologation/legal decree for the speed system/OEM.</u> "		It is required that SVD systems proposed by MSI are properly certified and have proper homologation for speed enforcement . This is to avoid legal issues. At present no lab in india can legally issue certificates for speed enforcement ( example: like METAS) . As present no legal decree or homologation exist.. it is important that System supplied have legal decree/homologation certificate as mentioned in corrigendum to minimize issues arising in long run on technology or systems. 2. More over it is also important that system supplied use a speed proper simulators for FAT and SAT .

9			.....The systems should be able to capture speed of Vehicles of all vehicles including vehicles without plates also.....	Proving the ownership and subsequent prosecution of the vehicle without number plate is not possible. Hence, this clause should be removed.		It is important that Speed sensor is plate independent and works on all vehicles ( with or without plates or bad plates or half broken plates) and in fog or rain. The Camera is as a documentary proof of the image and should be provided in addition to the above for finding ownership info.
10	Vol-2   5.1.5.2.2.5 ANPR/RLVD Camera	162	7. Image Resolution: 2 MP or better	The requirement stating "2MP or better" and "3MP" under same Camera specification is contradictory. Kindly remove " H.264 3M (2048 X 1536) @25/30 fps" as 2 MP is sufficient for the asked analytics.		Accepted 2 MP can be quoted.
11			9. Frame Rate and Resolution :: H.264 3M (2048 X 1536) @25/30 fps			accepted
12	Vol- 2   8.1 Annexure I: Bill of Material   8.1.7 ITMS – Field Equipment   2. RLVD	239	c. Local processing unit :: 25 nos.	Local processing units are based on system design and requirement, hence we request you to amend the clause from "25 nos." to "as per system design & requirement" which is also accepted in Pre-Bid queries response (Page 193, pt. 1642) but not incorporated in Revised RFP.		Accepted as per System design. Minimum 25 units should be provided.
13	Vol- 2   8.1 Annexure I: Bill of Material   8.1.7 ITMS – Field Equipment   4. Surveillance System	239	c. ANPR Camera- 89 nos.	You are requested to incorporate IR Illuminator quantity for 89 ANPR Cameras in Revised RFPs's BOM which is already accepted in Pre-Bid response sheet as "IR quantity will be equal to ANPR camera" on Page 99, pt. 791.		Minimum IR requirement is 89. If some one wants 2 IR per camera, he is free to do so to achieve night accuracy.
14	Volume II	239	BOQ on page NO. 239 in revised shows RLVD cameras -100 Nos, ANPR -200 Nos and LPU -25 Nos (Here I believe you have gone with a thumb rule of 25 Junctions, 4 arm/leg per junction and 2 lanes per arm)	The Quantities of RLVD are not matching with the location schedule. However the location schedule on page No. 269 remains same and as per location schedule total quantities should be RLVD cameras -205 Nos, ANPR -301 Nos (Considering one lane per arm for detection, Quantity will be doubled if we consider 2 lanes per arm ) and LPU -148 Nos. (LPU including RLVD and ANPR free flow solution).		For more details see corrigendum
15	Corrigendum, SL# 459 on page NO.74 :	74	It is accepted by KSCL that the ECB speaker shall not be used for PA system but revised RFP	Page No. 172 still not shows that the ECB speaker shall be used for PA system.		MSI has to propose as per requirement
16	corrigendum SL# 297, page no. 48	48	bidder needs to consider separate cameras for Free Left Violation Detection & Wrong way vehicle movement , cameras are to be mounted separately from RLVD mounting and hence additional cameras will be required which would be approx. one camera per lane.	, But this is not updated in BOQ in RFP.		MSI has to propose as per requirement
17	(VOL-II) 5.1.3.1.2 Next-generation Firewall with IPS and anti-APT / Hardware Architecture	1	Firewall Should consume 1RU Form Factor.	Today higher end Firewall appliances are available in more than 1RU size. Request to please change the clause as : Firewall Should consume minimum 1RU Form Factor.		accepted
18	(VOL-II) 5.1.3.1.2 Next-generation Firewall with IPS and anti-APT / Performance & Scalability	2	Should support at least 10 Gbps NGFW throughput under real world production Conditions. This throughout should include FW,IPS/Threat Prevention and AVC.	Considering a solution which will cater to traffic on 10 & 40G ports, NGFW throughput of 10 Gbps asked is very less and is not in line with the Firewall configuration required . It is strongly suggested that the NGFW (FW+IPS+AVC) throughput should be increased 20 Gbps or more for Enterprise Mix / Production traffic considering the requirement of the RFP.		<b>Clause read as</b> "Should support at least 10 Gbps NGFW throughput. This throughout should include FW,IPS/Threat Prevention and AVC.

19	(VOL-II) 5.1.3.1.2 Next-generation Firewall with IPS and anti-APT / Next Management	5	The management platform must be capable of integrating third party vulnerability information into threat policy adjustment routines and automated tuning workflows	This clause is specific to one OEM, hence request to remove to allow other OEMs to participate.		as per RFP
20	VOL - II		No mention of DDoS Specs	Since all critical servers managing smart city infrastructure will be hosted in Command and control centre, it is suggested to include the DDoS to safeguard the ICCC from DDoS attacks		Already advised in revised RFP
21	VOL - II		No mention of Web Application Firewall Specs	It is suggested to include the Web application Firewall solution to protect the critical Web infra / portals hosted in ICCC from attacks like web page defacement, SQL injection, cross site scripting etc and the solution should be tightly integrated with the proposed APT solution so that it can scan any file uploads to the server for known and unknown		Already advised in revised RFP
23	VOL - II		No mention of SIEM specs	It is suggested to include the SIEM specifications in the RFP.		SIEM has been included in revised RFP
24			Vol 2(5.1.3.1.1 Internet Router): <b>Query response no. 53</b> As per Solution requirement ,40G interfaces are not required in the Router . Kindly amend the clause as "Should support minimum 1G/10G interfaces " to allow leading OEM to participate.	please refer query 1539 ( query response 1539 is not available in file )		Clause read as "Should support minimum 1G/10G interfaces"
25	5.1.5.10.2.1.3 Technical Specifications - WLAN Controller	218	WLAN Controller should support minimum of 6000 Access points in a single chassis. If any OEM/Bidder can't provide WLAN controller to support 6000 AP in 2RU form factor, multiple controllers must be proposed to meet the requirement from day one. Proposed controller should support 1+1/N+1 redundancy from day one	This OEM specific sizing. Also considering the day-1 requirement and referring to the clause mentioned in tender Page 212 under 5.1.5.10 City Wi-Fi , Controller should able to support 300 access point and scalable upto 1000 Access Points . Solution scalability can be increased by adding H/W for the future requirement. Kindly modify the clause as " <b>WLAN Controller should support minimum of 2000 Access points in a single chassis. If any OEM/Bidder can't provide WLAN controller to support 2000 AP in 2RU form factor, multiple controllers must be proposed to meet the requirement from day one. Proposed controller should support 1+1/N+1 redundancy from day one "</b>		<b>Clause read as "</b> WLAN Controller should support minimum of 2000 Access points in a single chassis. If any OEM/Bidder can't provide WLAN controller to support 2000 AP in 2RU form factor, multiple controllers must be proposed to meet the requirement from day one. Proposed controller should support 1+1/N+1 redundancy from day one "
26	5.1.5.10.2.1.3 Technical Specifications - WLAN Controller	220	Should have a suitable serial console port.	This is OEM specific clause., Console Port type differ from OEM to OEM. HPE Aruba WLC controller support RS232 RJ45 and USB ports for console access . Kindly ammend the clause as " <b>Should have a suitable serial /Rj45/Usb console port."</b>		<b>clause read as "</b> Should have a suitable serial /Rj45/Usb console port."
27	Annex-J (Public WI-FI) / 2. Wireless Access points specs	316	Shall feature a three spatial-stream 802.11ac (3x3 MIMO) integrated or external dual band (2.4GHz & 5GHz) antenna	As per Tender Clause <b>5.1.5.10.2.1.4 Technical Specifications - Wireless Access Point</b> , The MIMO specification has already been asked 2x2 with 2 spatial stream. Kindly amend this clause for this Annex ( Public Wifi) as " <b>Shall feature a Two spatial-stream 802.11ac Wave 2 (2x2 MIMO) integrated or external dual band (2.4GHz &amp; 5GHz) antenna "</b>		<b>Clause read as "</b> "Shall feature a Two spatial-stream 802.11ac Wave 2 (2x2 MIMO) integrated or external dual band (2.4GHz & 5GHz) antenna "

28	RFP Vol-II Data Centre Core Switch	94	The switch should have redundant CPU's working in an active or activestandby mode. There should not be any traffic disruption during the CPU fail-over/change-over and the fail-over time should be less than 1 sec.	The switch should have redundant CPU's working in an active or activestandby mode. There should not be any traffic disruption during the CPU fail-over/change-over. <b>CPU Failover involved rebooting the current supervisor. While failover to standby would occur in &lt; 1s ; the reboot of the Supervisor takes time.</b>		Clause Read as" The switch should have redundant CPU's working in an active or activestandby mode. There should not be any traffic disruption during the CPU fail-over/change-over and the fail-over/chainge-over time should be less than 1 sec."
29	RFP Vol-II Data Centre Core Switch	95	Switch must support IEEE 802.1BR (Bridge Port Extension) or equivalent technology, which in turn enable remote line card functionality to optimize cabling inside the data center	Switch should support spine leaf topology. <b>Remote Line card functionality would be relevant feature in the leaf layer. Spine / Core layer responsibility in modern DCs is to only internconnect the leaves. Request you relax this clause for wider OEM participation.</b>		Accepted
	RFP Vol-II Data Centre Core Switch	95	Should Support Hitless software upgrades to reduce downtime during software upgrade. The switch must support Fault isolation per process and process patching to enhance the switch availability	The switch must support Fault isolation per process and process patching to enhance the switch availability. <b>Design would support high avilablity and hitless upgrade is NOT required.</b>		Accepted
30	RFP VOL-II, 5.1.2 Command Control and Communication Centre Application Point 3-Distributed Architecture	56	The open platform integrated command and control application system shall have a client/server infrastructure. The operator software must be a thick-client application which gets installed on operator terminal.	OEM Specific. <b>Please remove this clause for maximum participations, all smart city application OEM will not have thick client , same functional requirement can be achieve through thin client also.</b>		Accepted
31	RFP VOL-II, 5.1.2 Command Control and Communication Centre Application Point 3-Distributed Architecture	62	The platform should allow smart city devices (cameras, lights, various sensors etc.) to be added to the collaboration spaces. It should also allow to acquire data from such devices and to control such devices directly from the collaboration space, subject to access privileges for each user and device.	Request for deletion. <b>Instant messaging tool is collaborate with users and not for sensors like cameras, lights, various sensors etc. as these sensors are not capable to use collaboration tool. So request you to please delete this clause from Collaboration.</b>		clause stands deleted
32	RFP Vol-II Next Generation Firewall with IPS and Anti-APT	83	The proposed firewall appliance should have at least 12 ports of 10/100/1000 and minimum 4 ports of 10 Gig SFP+ ports with separate management.	Removed from Original RFP: 2*40G ports from day-1 and should be scalable to 2*40G ports in future. <b>For DC Grade Firewall 40G support is must to have as most of the server connectivity is on 40G now a day.</b>		Minimum requirement has been given MSI can propose better.
33	RFP Vol-II		Network Behavior Analysis	Component Removed from RFP. <b>This is an Integral Part of MoUD guidelines.</b>		Functionality of this componenet has been incorporated in other security stack.
34	RFP VOL-II Data Centre Core Switch	95	Switch should have minimum of 72 x 40G Ports	Switch should have minimum of 72 x 40G/100G Ports. <b>100G uplinks form Leaf to Spine is the norm given the industry standard oversubsriction ratios of 2.5:1 on 10G leaves. With the advent of 25G at access/leaf, 100G has become very releavant. Request you to ask for support of 100G as well.</b>		Minimum requirement has been given MSI can propose better.
35	RFP VOL-II Data Centre Core Switch	95	The switch must support 1/10G SFP+, 1 G Base-T and 40G QSFP based port line cards. The switch must scalability to support minimum 200 nos of 40G QSFP ports or more. Bidder to choose required ports as per their solution.	The switch must support 1/10G SFP+, 1 G Base-T and 40G/100G QSFP based port line cards. The switch must scalability to support minimum 200 nos of 40G/100G QSFP ports or more. Bidder to choose required ports as per their solution. <b>100G uplinks form Leaf to Spine is the norm given the industry standard oversubsriction ratios of 2.5:1 on 10G leaves. With the advent of 25G at access/leaf, 100G has become very releavant. Request you to ask for support of 100G as well.</b>		Minimum requirement has been given MSI can propose better.

36	RFP VOL-II Data Centre Switches	95	Must have minimum 48 x 1/10 G SFP+ and 6 X 40 G QSFP port, SI to choose required transceivers as per their solution. Core/Spine to TOR/ Leaf switch connectivity should be at multiple of 40G links.	Must have minimum 48 x 1G/10G/25G SFP+ and 6 X 40G/100G QSFP port, SI to choose required transceivers as per their solution. Core/Spine to TOR/ Leaf switch connectivity should be at multiple of 40G/100G links. <b>All major OEM vendors are suppling 25G NICs on servers. Support for 25G at access would be requried from a future scalability standpoint.</b>		Minimum requirement has been given MSI can propose better.
37	Vol -II Clause no-5.1.3.2.1.9 Section - SSL Visibility Solution	115	Appliance based SSL visibility solution to be proposed. Should provide visibility into SSL/TLS encrypted traffic at speeds up-to 4Gbps and, support decryption for up-to 400,000 concurrent flows and, 20,000 new SSL/TLS connections/second.	We recommmed the inclusion of necessary specifications for this appliance in the RFP to provide the functionality desired from the solution. We would recommend to include below -  <b>SSL Visibility Solution must be a Purpose built SSL/TLS managed device, should not be a feature/part of ADC/load balancer. Device must be a Port agnostic solution . It should also be able to fully export SSL logs, decrypted data integrity and should have fail-to-wire on system failure feature along with 75 plus cipher suite support</b>		Clause Read as" SSL Visibility Solution must be a Purpose built SSL/TLS managed device, should not be a feature/part of ADC/load balancer. Device must be a Port agnostic solution . It should also be able to fully export SSL logs, decrypted data integrity and should have fail-to-wire on system failure feature along with 75 plus cipher suite support. Should provide visibility into SSL/TLS encrypted traffic at speeds up-to 4Gbps and, support decryption for up-to 400,000 concurrent flows and, 20,000 new SSL/TLS connections/second."
38	Volume I – Instructions to Bidders 3.7 Technical Marking Matrix	43	<b>E OEM Selection</b> 2 Active Components Installed base (Network, Server, Storage, Security, Collaboration) OEM with deployment in SDC/SWAN/Mission Mode Project of Centre or State Govt. 7 deployment = 5 Marks 5 deployments = 2 Marks 1 deployments = 1 Marks 0 deployments = Not Eligible	Kindly explain about the category of projects that can be considered under "Mission mode". Also please explain what "Colloboration" refers to.	Kindly explain about the category of projects that can be considered under " <b>Mission mode</b> " as it is not explained in the response to query 1425. Also please explain what " <b>Collaboration</b> " refers to.	please refer MiET website

39	Volume I – Instructions to Bidders 3.7 Technical Marking Matrix	43	<p><b>E. OEM Selection</b></p> <p><b>1. Smart City Command Control Platform</b> OEM with total deployments 5 deployment = 5 Marks 2 deployments = 3 Marks 1 deployments = 1 Marks 0 deployments = Not Eligible</p> <p><b>2. Active Components Installed base (Network, Server, Storage, Security, Collaboration)</b> OEM with deployment in SDC/SWAN/Mission Mode Project of Centre or State Govt. 7 deployment = 5 Marks 5 deployments = 2 Marks 1 deployments = 1 Marks 0 deployments = Not Eligible</p>	<p>We request you to modify the clause as:</p> <p><b>1. Smart City Command Control Platform</b> OEM with total deployments 3 deployment = 5 Marks 2 deployments = 3 Marks 1 deployments = 1 Marks 0 deployments = Not Eligible</p> <p><b>2. Active Components Installed base (Network, Server, Storage, Security, Collaboration)</b> OEM with deployment in SDC/SWAN/Mission Mode Project of Centre or State Govt. 5 deployment = 5 Marks 3 deployments = 2 Marks 1 deployments = 1 Marks 0 deployments = Not Eligible</p>	<p>We request you to modify the clause as:</p> <p><b>1. Smart City Command Control Platform</b> OEM with total deployments 5 deployment = 5 Marks 2 deployments = 3 Marks 1 deployments = 1 Marks 0 deployments = Not Eligible</p> <p><b>2. Active Components Installed base (Network, Server, Storage, Security, Collaboration)</b> OEM with deployment in SDC/SWAN/Mission Mode Project of Centre or State Govt. 5 deployment = 5 Marks 3 deployments = 2 Marks 1 deployments = 1 Marks 0 deployments = Not Eligible</p>	<p><b>Clause read as-</b></p> <p><b>E. OEM Selection</b></p> <p><b>1. Command Control Platform</b> OEM with total deployments 5 deployment = 5 Marks 2 deployments = 3 Marks 1 deployments = 1 Marks 0 deployments = Not Eligible</p> <p><b>2. Active Components Installed base (Network, Server, Storage, Security, Collaboration)</b> OEM with deployment in SDC/SWAN/Mission Mode Project of Centre or State Govt. 5 deployment = 5 Marks 3 deployments = 2 Marks 1 deployments = 1 Marks 0 deployments = Not Eligible</p>
40	Volume II: Scope of Work 2.2 Component Architecture Other Expectations from SI	16	9.MSI shall provide the bandwidth required for operationalizing each smart city initiative till the time Authority's own fiber is laid by the MSI as part of the scope of work of this RFP. The bandwidth requirement shall be analysed and procured by the MSI at its own cost / risk.	Kindly clarify whether laying of fiber by MSI is part of the scope of work of this RFP.	We understand that the laying of fiber is under the scope of MSI. Kindly specify the metrics for evaluation of laying of fiber i.e. either i) unit cost of laying fiber is used as evaluation metrics or ii) the indicative quantity of total kms need to be specified for pan city in the Annexure I Bill Of Material. This enables direct and straightforward way of comparison among bidders.	9.MSI shall provide the bandwidth required for operationalizing each smart city initiative till the time Authority's own fiber is laid as part of the scope of work of this RFP. The bandwidth requirement shall be analysed and procured by the MSI at its own cost / risk but the last mile connectivity should be on Fibre."
41	Volume I – Instructions to Bidders 2.8 Earnest Money Deposit (EMD)	15	Earnest Money Deposit (EMD)	-	Kindly mention the validity of EMD.	180days
42	Volume I – Instructions to Bidders Instructions for Online Bid Submission	1	Instructions to the Bidders to submit the bids online through the Central Public Procurement Portal for e Procurement at <a href="https://etender.up.nic.in">https://etender.up.nic.in</a>	-	We have already paid tender fee of Rs.25000 on <a href="http://www.tenderwizard.com/EUP">www.tenderwizard.com/EUP</a> which is the URL mentioned in the first version of RFP. Kindly advise on Refund. Also as per Revised RFP, the tender is to be submitted on <a href="https://etender.up.nic.in">https://etender.up.nic.in</a> . However, We cannot find the revised RFP on this URL as on 19th march,2018.	
	Volume I – Instructions to Bidders 2.7 RFP Document Fee	15	Tender Fee of Rs. 25,000 (Rupees Twenty Five Thousand Only) through DD shall be paid at the time of submission of bid. The tender fee shall be non-refundable.			No need to buy the RFP again as the RFP number is same.

43	General	-	General	-	There are two RFP reference numbers mentioned in Corrigendum namely "KSCL/PMC/MSI/01 dated 25/01/2018" and "D/KSCL/01/18-19". Kindly confirm the RFP number to be used in tender submission.	
44	Volume II 5.1.5.1.2.1.3 Red Light Violation Detection (RLVD) System	136 & 137	<p><b>Free Left Violation</b> – The non-intrusive system should identify the violation where either the Free Left is blocked by other vehicles or violation occurred when no free left is allowed</p> <p><b>Wrong Direction Vehicle Movement</b> – The non-intrusive system should be installed at critical junctions to capture the wrong direction vehicle movement. The system should identify and capture multiple IVD. The E-Challan standard procedure should be triggered.</p>	Please Clarify: Do we need to consider additional Camera for this activity? (Free Left Violation Detection & Wrong way vehicle movement , cameras are to be mounted separately from RLVD mounting and hence additional cameras will be required which would be approx. one camera per lane).	As per Corrigendum , It is accepted that additional cameras are required for free let violation detection & Wrong way vehicle movement. But it is not updated in BOQ. Please Clarify.	MSI has to consider the Camera qty as per requirement
45	Volume II 5.1.5.1.2.1.3 Red Light Violation Detection (RLVD) System	136 & 137	<p><b>Speed Violations :</b></p> <p>„h The nonintrusive system shall be capable of measuring speed of vehicles and capture over speed vehicles The Speed measurement should support multiple methods for calculation of speed ;V either Average or Instantaneous Speed Measurement methods.</p> <p>„h The system shall have the provision of setting different speed thresholds for different class of vehicles.</p> <p>„h The speed violations system should be installed on mid-blocks or designated areas as identified during design stage.</p>	The speed violation system is mentioned separately in the RPF itself. It shall not be a part of RLVD system. It is an independent system meant to be installed at mid-blocks or free flowing traffic. Hence we request you to delete this clause.	The mentioned Speed Violation point is deleted as per corrigendum but the same is not deleted from revised RFP specification. Kindly Clarify whether the clause is deleted or not.	Your understanding is correct. RLVD and Instant speed systems are separate systems. Speed is not part of RLVD system



46	Volume II 8 Annexure: 8.1 Annexure I: Bill of Material 8.1.7 ITMS – Field Equipment	235	2. RLVD a. Red Light Violation Detection (RLVD) sensors Per leg 52 b. Camera with ANPR capability No. 89 c. Local processing unit No. 25	1.Kindly Clarify what is RLVD sensors.  2.RLVD system comprises of Overview camera and ANPR camera. Generally, for 2 lanes (each lane of width 3.5m approx.),1 Overview Camera and 2 ANPR cameras are used. We request you to mention the locations along with arms & lanes details to arrive exact number of camera requirement.  3.Local processing units are as per design of individual technology OEM and hence should not be frozen to 25 Nos. Kindly Clarify  4. Tender compliance is asking to keep the LPU at junctions for RLVD system, If we put LPUs at junction then sty of LPUs are not sufficient because number of junctions are 52 for RLVD system(as per pg. no. 265).Please clarify	a. As per revised RFP (page No 267) Locations list mentioned for ITMS systems, For RLVD it is mentioned 52 locations. We understand that RLVD system is required for 52 locations with 100 Legs/Arms. Kindly confirm our understanding is correct or not.  b. Referring to Pg.262, Annexure -IV, Section E, For a 4 way junction 1 RLVD and 1 ANPR camera will not suffice to cover 2 lanes. Generally, for 2 lanes (each lane of width 3.5m approx.) 2 ANPR cameras and 1 overview camera is required for RLVD Solution to be complete. This will quadrapule for a 4 way junction.  c. LPU can also be higher and not necessarily lower than 25. Please clarify.	A-- Yes in TOTAL 100 Arms/RLVD systems should be considered with 2 lanes each. B- Point A clarifies the quantities.. Client can decide which junctions and how many sides of the junctions will be covered by RLVD system ( not all junctions and all arms of junctions will be covered for RLVD).. only junctions which are prone to accidents will be fitted with rlvd systems.
47	Volume II 8 Annexure: 8.1 Annexure I: Bill of Material 8.1.7 ITMS – Field Equipment	235	4. Surveillance System  c.ANPR Camera :: 89 No.	As per RFP, ANPR System is asked for 50 Location whereas under BOM, 89 no. ANPR Cameras are asked. Since a single ANPR camera covers the lane of width 3.5 m approx., hence the requirement is not clear. Requesting you to clarify the requirement by mentioning the exact number of lanes at 50 locations and also please mention the IR Illuminator & LPU Qty. for ANPR system	As per revised RFP (page No 262) Locations list mentioned for cameras. For ANPR it is mentioned 88 Kindly clarify the mentioned number 88 is number of locations at which ANPR capability is required or number of ANPR cameras . Generally, for 2 lanes (each lane of width 3.5m approx.) 2 ANPR cameras are required and this will increase as the number of junctions at a location goes up.  IR illuminator is not Included in BOQ. Kindly include the same.	Please refer revised RFP and corrigendum



48	Volume II 5.1.5.1.2.1 Automatic Number Plate Recognition (ANPR) System 5.1.5.1.2.1.1 Overview	136	Local Server at Intersection: The system must run on a Commercial Off the Shelf Server (COTS). Outdoor IP 66 Quad core processor based server should be able to cover at least 8 lanes. Temperature rating of the server should be at least 60 degree.	Processing unit has its own working limitation and functionality. The LPU requirement should be as per site requirement and design. Hence, requesting you to remove this clause and mention the quantity under ANPR system requirement as "as per design and site requirement".	Processing unit has its own working limitation and functionality. The LPU quantity should be as per site requirement and design. Hence, requesting you to remove this clause and mention the quantity under ANPR system requirement as "as per design and site requirement".  LPU can also be higher and not necessarily lower. Please clarify. Question is not on IP rating of LPU.	SI can use Industrial LPU suitable for Traffic applications quantities should be supplied as per design and any quantities if mentioned in RFP should be treated as suggestion only. MSI should make sure that LPU quantity is as required for proper working of system to achieve the functional results as mentioned in RFP
49	Volume II 5.1.5.1.2.1.4 Speed Violation Detection (SVD) System 5.1.5.1.2.1.4.1 Overview 5.1.5.1.2.1.4.2 Scope of Work	142 &143	The system should be capable of generating a video & minimum 3 snapshot in any of the standard industry formats (MJPEG, JPG, avi, mp4, mov, etc.) with at least 10 frames per second. The video shall be from t-5 to t+5 sec of the violation and should also be recorded (being the instant at which the infraction occurred).	As per Standard , for Speed detection system min 50/60 FPS is required. But in RFP it is mentioned at least 10 FRs. Kindly clarify	Answer not clear Kindly Explain.  For satisfactory performance of the system it is recommended to have a min FPS of 50. At 10 FPS as asked in the RFP, system will not be able to fulfil functionality. Please change in RFP.	The camera should be with minimum 50 FPS. The Speed detecting sensor should be as per clarification in corrigendum and should have possibility to verify the speed accuracies using Simulators during FAT and SAT. This is to make sure system can be cross checked for accuracy as and when required. ( please ignore 10FRS)
50	Volume II 5.1.5.2 CCTV Surveillance System	148	5.1.5.2 CCTV Surveillance System	Provide the data retention period for Surveillance camera video feeds at the - a) Data Center (DC) site b) Disaster Recovery (DR) site?	1.As per Corrigendum, we understand that, at DC, 30 days storage required for Surveillance system. Kindly Confirm.  2.As per Corrigendum Point 222, for Surveillance system, 30 days primary storage & 90 Days secondary storage is required. Kindly Confirm.  3. In BOQ there is no line item for Secondary Storage .Kindly include.  4.As per Corrigendum Point No 90 & 231 there is no video data required at DR. Kindly confirm.	1. 30 days primary storage. 2. your understanding is correct. 3. SI has to provision it. 4. your understanding is correct

51	Volume II 8 Annexure: 8.1 Annexure I: Bill of Material 8.1.4 Data Centre	232	10. Video Management Server No. 4  12. Network Video Recorder- Lot As per Requirement.	The required server infra for VMS (Management & Network Recording server) is considered in Sl.No 10- 4 Qty & the NVR mentioned in S.No 12 is over and above the mentioned server requirement or does this mean a dedicated NVR appliance. Kindly clarify	As per Revised RFP , The required server infra for VMS (Management & Network Recording server) is considered in Sl.No 13- 4 Qty & the NVR mentioned in S.No 15 is over and above the mentioned server requirement or does this mean a dedicated NVR appliance. Kindly clarify, assumptions cannot be made here.	MSI can give appliance based NVR or S/W based along with server.
52	Volume II 8 Annexure: 8.1 Annexure I: Bill of Material 8.1.7 ITMS – Field Equipment	235	5. Traffic Accident Reporting System (TARS) a. Camera No. 15 b. Video Recorder Lot As per requirement	Kindly Explain the TARS solution & why video recorder is required at the junction level.	Kindly share the location details for TARS system	KSCL will share the location to selected MSI
53	Volume II 8 Annexure: 8.1 Annexure I: Bill of Material 8.1.4 Data Centre	233	48 ITMS - Video Analytics Software Lot 1	For how many Cameras do we need to support Video Analytics (VA) capability? Please confirm. Video Analytics Software license is equal to the number of Cameras on which Video Analytics is supported.	As per your response, the ITMS (ANPR & RLVD) softwares is asked in BOQ (sl.No 52 & 53) already and this are accounted including SVD, TARS. ITMS- Video analytic software is applicable only for Surveillance cameras (Fixed Box), for how many Cameras we need to support Video Analytics (VA) capability?	VA not to be considered for ANPR, RLVD and SVD cameras.
54	Volume II: Scope of Work 8.1.4 Data Centre	233 of 314	48. ITMS - Video Analytics Software Lot 1	Video Analytics specifications are missing in the document. Please provide the same.	What kind of video analytics are expected from the surveillance cameras? Please clarify	please refer corrigendum-I
55	Volume II 8 Annexure: 8.1 Annexure I: Bill of Material 8.1.7 ITMS – Field Equipment	235	a. Speed Detection System for covering 2 lanes in one direction with complete subcomponents including ANPR camera, sensors, wide angle evidence camera, IR illuminator, non-intrusive speed sensor, with cabling & mounting infrastructure as required - 50 Location	BOQ it was given as 50 Locations, 1. ANPR Camera = 100 Nos For covering 2lanes 2.Wide Angle Camera =50 Nos each locations 3.IR illuminator- 150 Nos 4.LPU -50 Location . Kindly Confirm the same	Kindly clarify ANPR-200 Cameras, In BOQ the mentioned numbers are not incorporated, please add as this is important from a pricing perspective.	ANPR mentioned under RLVD are for RED LIGHT Violation. 200 ANPR cameras mentioned in this row are separate ANPR cameras and are as part of SPEED VIOLATION SYSTEMS which will be used. VOLUME 2- 8.1.7 ITMS – Field Equipment, BoQ ATCS -POINT 1.b - "Vehicle detector Camera" Should be Read as " vehicle Detector 4D sensor."

56	Volume II: 5.1.5.1.2.1 Automatic Number Plate Recognition (ANPR) System	136	Digital Network Camera: AS per specified in Surveillance Camera Section 4.3.2	There is no such section in the RFP.Kindly Clarify	There is no such section 4.3.2 in the RFP as mentioned on Pg 137 of PDF.Kindly Clarify	Please refer section 5.1.5.2
57	Volume II: 5.1.2.13 Fixed Dome Camera for Indoor Surveillance	136	Fixed Dome Camera for Indoor Surveillance	There is no technical specification given Kindly clarify?	There is no technical specification in section 4.3.2.4 as mentioned on page 75 of PDF. Kindly clarify?	Please refer section 5.1.5.2
58	Volume II 8 Annexure: 8.1 Annexure I: Bill of Material 8.1.7 ITMS – Field Equipment	235	a. Outdoor Fixed Box Camera + IR Illuminator No. 510 b. Outdoor PTZ Camera + IR Illuminator No. 149 c. ANPR Camera No. 89	Tender is asking for 89 ANPR cameras in surveillance system, These ANPR cameras would be used for RLVD system or these cameras are for free flow ANPR detection system?	Specify the need of 89 ANPR cameras given in BOQ under surveillance system and not for 200 ANPR cameras mentioned under RLVD system?	Please quote as per BOQ
59	Volume II 8 Annexure: 8.1 Annexure I: Bill of Material 8.1.7 ITMS – Field Equipment & I 8.4 Annexure IV- Tentative List of Locations Sub Section:- E	265	Location of camera's PAS , VMS and FRS system (Edge analytics with AI and continuous learning)	The total Number of Quantity mentioned under the Annexure I and the total number of quantity mentioned under the List of location are different. Kindly Clarify.	The total Number of Quantity mentioned under the Annexure I-Bill of Quantity and the total number of quantity mentioned under the List of location are different. It should match, kindly clarify.	Please quote as per BOQ
60	Volume -II 3.2 Existing Traffic Signal System	25	The infrastructure of existing traffic signal systems including the aspects, controllers etc. will be dismantled and replaced with the new systems where required, which are proposed and required under the scope of the ITMS. The dismantled infrastructure shall be delivered at the KSCL designated location without damage at no extra cost.	Kindly share the Number of Existing Locations to be dismantled and replaced with new system	The locations given under Annexure IV, Section E are all new locations. Please confirm. The number of Existing Locations to be dismantled and replaced with new system is not clear, please need details and accordingly the BOQ for different components will go up	Yes, understanding is correct.
61	Volume II 5.1.5.2.2.2 Outdoor/Fixed Box cameras (High Definition) 5.1.5.2.2.4 Fixed Camera with Outdoor Housing and Lens – 2MP	155 & 160	5.1.5.2.2.2 Outdoor/Fixed Box cameras (High Definition) 5.1.5.2.2.4 Fixed Camera with Outdoor Housing and Lens – 2MP	Kindly differentiate the functionality and clarify where to use the two different cameras	There are two different specifications mentioned for Fixed Box cameras. Kindly differentiate the functionality and clarify where to use the two different cameras?	Clause ".5.1.5.2.2.4 Fixed Camera with Outdoor Housing and Lens – 2MP" at page 161 stands deleted since it is repetition of Specs.
62	Volume -II 5.1.5.1 Integrated Traffic Management System (ITMS)	129	5.1.5.1 Integrated Traffic Management System (ITMS)	-	Provide the data retention period for ITMS (ANPR ,RLVD,SVD,TARS,ATCS) at the - a) Data Center (DC) site b) Disaster Recovery (DR) site?	a) Data Center (DC) site @ 30 days b) Disaster Recovery (DR) site @ 90days

63	Volume II 5.1.5.2 CCTV Surveillance System	148	5.1.5.2 CCTV Surveillance System	-	Please provide camera bitrate /resolution/frame rate at which the Surveillance CCTV cameras are to be RECORDED	PTZ cameras - Resolution 1920 x 1080. Frame Rate : 25 fps. Fixed Box cameras - Resolution 1920 x 1080. Frame Rate : 30 fps. Fixed Cameras - Resolution 1920 x 1080. Frame Rate : 25 fps.
64	Volume II 5.1.5.2 CCTV Surveillance System	148	5.1.5.2 CCTV Surveillance System	-	Please provide camera bitrate /resolution/frame rate at which the Surveillance CCTV cameras are to be VIEWED at ICCC.	PTZ cameras - Resolution 1920 x 1080. Frame Rate : 25 fps. Fixed Box cameras - Resolution 1920 x 1080. Frame Rate : 30 fps. Fixed Cameras - Resolution 1920 x 1080. Frame Rate : 25 fps.
65	Volume II 5.1.5.2 CCTV Surveillance System	148	5.1.5.2 CCTV Surveillance System	-	At a moment of time how many cameras to be viewed at ICCC? This is important for Bandwidth considerations	Min 16 Cameras can be viewed at a time
66	Volume II 8.1 Annexure I: Bill of Material 8.4 Annexure IV- Tentative List of Locations	234 & 267	8.1.7 ITMS – Field Equipment, 4. Surveillance System  E. Location of camera’s PAS , VMS and FRS system (Edge analytics with AI and continuous learning)	-	In tender BOQ, fixed box + PTZ camera = 510 + 149 In list of locations, fixed box +PTZ camera = 507 + 148  Kindly clarify the exact number of Fixed box and PTZ cameras in Surveillance System.	consider below BOQ, fixed box + PTZ camera = 510 + 149
67	Vol 2,5.1.5.5 Emergency Call Box (ECB) System		MSI shall also install Emergency Call Box/Panic buttons at 50 locations (the final no. might vary based on field survey by MSI) in the city. These systems shall be deployed at identified junction for ease of access by citizens of Kanpur city.	-	Please specify the locations details for Emergency call box as solution will depend on it	Will be provided BY KSCL to selected MSI
68	Volume II: 8.1.2 Command Control and communication Centre	231		-	Please confirm, how many number of operator consol need to be considered for controlling PA system and ECB system calls.	MSI has to consider as per best practice.
69	Volume II: 8.1.7 ITMS – Field Equipment	234, 235	6. Public Address System a. Public Address System – IP based PA with speakers No. 148	-	For public address locations quantity is 50 nos in scope of work and Quantity mentioned in BOQ and list of locations is 148 nos. Please confirm , which quantity need to be considered for PA system locations and speakers.	pls consider 50 location with Qty of 100 nos
70	Volume II: 8.1.7 ITMS – Field Equipment		8.1.2 Command Control and Communication Center	-	In the line Item no 8 Public address system is mentioned and same line item is repeated in the line item 14 .Kindly Clarify whether we have to consider both	Ignore one

71	Volume 2 - 5.1.5.6.2	175	Solution shall also include provision to capture image of vehicle including license plate number of every vehicle entering and leaving any of the indoor parking spaces and the all the information related to the same shall be stored at a central server.	-	As per RFP, we understood that we need to capture the number plate of every vehicle entering and leaving any of the indoor parking spaces. Request you to add the line item & quantity details for ANPR camera in the BOQ for Parking system.	It is future requirement for MLCP/indoor parking.
				-	How many entry & exit point at each locations? Based on that the quantity varies at each location. Please provide the required quantity details of ANPR camera	As per requirement
				-	Request to provide the retention period of images captured.	a) Data Center (DC) site @ 30 days b) Disaster Recovery (DR) site @ 90days
72	Volume 2 - 5.1.5.6.1	174	Digital Display Unit	-	As the Digital Display Unit quantity varies in closed parking lots and open parking lots, request to provide the quantity details	As per requirement
				-	How many entry & exit point at each locations? Based on that the quantity varies at each location. Please provide the required quantity details of Digital Display Unit	As per requirement
				-	Where do we need to place the digital Display unit? At entry /exit/ both	As per requirement
				-	Please provide the specification for Digital Display Unit.	best suited as per requirement
73	Volume 2 - 5.1.5.6.2	174	The smart parking solution is envisaged for both closed parking lots and open parking lots.	-	Please provide the quantity details of closed parking lots and open parking lots & Off-street parking and on-street parking	This shall be read as outdoor parkings or precisely off-street parking locations (where there is defined entry/exit) and on-steet parking lots. Bidder shall consider 30% of total parking lots as outdoor/off-street parking lots and balance as on-street parking locations

74	Volume 2 - 5.1.5.6.2	175	a. The smart parking solution should retain videos of car entering /exiting the parking zone as per the security parameters defined by KSCL	-	As per RFP, we understood that we need to retain videos of car entering /exiting the parking zone. Request you to add the line item & quantity details for Overview camera in the BOQ.	entry/exit of cars can only be defined in off-street parking lots. So cameras are only needed for outdoor/off-street parking's
				-	How many entry & exit point at each locations? Based on that the quantity varies at each location. Please provide the required quantity details of Overview camera	Bidder shall provision number of cameras as per their solution needs. RFP requirement is to monitor entering and exit of cars in off-street parking's.
				-	Request to provide the retention period of videos captured.	Retention period shall be 30 days
75	Volume 2 - 5.1.5.6.2	177	Boom Barrier	-	How many entry & exit point at each locations? Based on that the quantity varies at each location. Please provide the required quantity details of Boom barrier	Bidder shall consider 1 entry and 1 exit for outdoor/off-street parking locations.
				-	Please provide the width of the entry/exit that the Boom Barrier needs to cater to	Standard 3m/4m as per location requirements.
				-	Request to add Boom barrier in BOQ line item	Bidder shall provide comprehensive BOQ and commercials to implement smart parking solution as per details provided in RFP and corrigendum
76	Volume 2 - 5.1.5.6.2	176	Wireless Handheld Entry & Exit Device with Integrated Bluetooth/Micro USB Printer	-	Request to add Wireless Handheld in BOQ line item.	Bidder has to provision ample of Mobile POS machines to meet billing requirements at peak and non-peak timings. Bidder shall provide comprehensive BOQ and commercials to implement smart parking solution as per details provided in RFP and corrigendum
				-	Can assume,we provide 2 devices per location i.e., 84 devices. Please clarify	
				-	How many entry & exit point at each locations? Based on that the quantity varies at each location. Please provide the required quantity details of Wireless Handheld device	

77	Volume 2 - 5.1.5.6.2	178	Gateway routers	-	As per the queries response, we understood that Smart parking solution are also going to be deployed in multilevel parking area. So the quantity varies in such condition. Kindly provide the quantity details.	smart parking solution is only required for off-street and on-street parking locations and MLCP is is future requirement
78	Corrigendum	65		-	In Corrigendum, point no. 393 - clause given as "We wish to provision magnetic sensor in on steet and off street parking areas. Please read specifications for MPOS, Parking sensors and parking gateways at RFP Volume 2 page number 175-177. this clause stands deleted". <b>Please clarify if the compliance specified in page nos 175-177 which includes specifications for Compliance, Visibility of vacant parking spaces, Parking Management &amp; Guidance System and Boom</b>	this was mentioned to take reference of magnetic sensor specfications. All other specifications of smart parking from page 175-177-184 stands as it is..
79	Corrigendum	99	Junction box	-	In Corrigendum, Point no. 583, mentioned that junction box clause stands deleted. But in revised RFP BOQ it is again given. Kindly confirm if junction box has to be considered for 8.1.8 Smart Parking – Field Equipment. It is required from a solution standpoint.	Bidder shall provide comprehensive BOQ and commercials to implement smart parking solution as per details provided in RFP and corrigendum. Junction box may be needed for meeting up electical/power requirements of various field devices.
80	Corrigendum_KSCL_MSI	Page 24, Serial No 144	It is recommended to include the clause and liability of Bidders shall not exceed 10% of contract value under this clause.	File-Corrigendum_KSCL_MSI says that the said clause is accepted, however, the revised RFP says that there is no change in the clause - please clarify		The clause as per Corrigendum-I prevails.
81	Corrigendum_KSCL_MSI	Page 31, Serial No. 210	In the event of any assumptions, presumptions, key points of discussion, recommendation or any points of similar nature submitted along with the Bid, KSCL reserves the right to reject the Bid and forfeit the EMD.	File-Corrigendum_KSCL_MSI says that the said clause is accepted, however, the revised RFP says that there is no change in the clause - please clarify		The clause as per Corrigendum-I prevails.



82	Corrigendum_KSCL_MSI	Page 32, Serial No. 211	"Acceptance of System" The system shall be deemed to have been accepted by the Authority, subsequent to its installation, rollout and deployment of trained manpower, when all the activities as defined in Scope of Work have been successfully executed and completed to the satisfaction of Authority. Refer to Section 5 of the RFP Volume II.	File-Corrigendum_KSCL_MSI says that the said clause is accepted, however, the revised RFP says that there is no change in the clause - please clarify		The clause as per Corrigendum-I prevails.
83	Corrigendum_KSCL_MSI	Page 33, Serial No. 214	10.13. The Authority reserves the right to review the terms of the Warranty and Annual Maintenance agreements entered into between SI and OEMs and no such agreement/contract shall be executed, amended, modified and/or terminated without the prior written consent of the Authority. An executed copy of each of such agreements/contracts shall, immediately upon execution be submitted by SI to the Authority.	File-Corrigendum_KSCL_MSI says that the said clause is Deleted, however, the revised RFP says that there is no change in the clause - please clarify		The clause as per Corrigendum-I prevails.
84	Corrigendum_KSCL_MSI	Page 15, Serial No. 81 and Page 40, Serial No. 262	Vol-III section 12 - Payments Authority shall make all efforts to make payments to SI within 60 days of receipt of invoice(s) and all necessary supporting documents.	Amended Clause as per Page 15, serial no. 81: Payments Authority shall make all efforts to make payments to SI within 45 days of receipt of invoice(s) and all necessary supporting documents. Amended Clause as per Page 40, serial no. 262: 60 days is a long time we request you to make it within 30 days of receipt of invoice(s) and all necessary supporting documents.		Amended Clause : Payments Authority shall make all efforts to make payments to SI within 45 days of receipt of invoice(s) and all necessary supporting documents.
85	Corrigendum_KSCL_MSI	Page 47, Serial No. 272	Volume I – Instructions to Bidders 12. Annexure 7 - Consortium Agreement	Ammended Clause- All members of the Consortium shall be jointly and severally liable towards KSCL. However, VOLUME 1 revised :, Page no 12 Consortium arrangement says - The solely responsibility for successful execution of the entire project will be the Lead Bidder.		<b>Ammended Clause</b> "The lead bidder shall be solely and severally responsible and bound towards the the KSCL for the performance of the works in accordance with the terms and conditions of the bid document , and contract. The consortium members , if any will be liable for their scope of work"
86	Corrigendum_KSCL_MSI					In case of any discrepancy between Revised RFP and Corrigendum, the corrigendum shall prevail over revised RFP.

87	Corrigendum	65	Multilevel Parking	-	Please specify the number of multilevel parking locations and levels of parking at each location.	MLCP is future requirement. The parking management system and guidance system provided by bidder shall be capable and shall has full functionality and required components to integrate with future MLCP parking's and available on-street & off street parkings. For future MLCP only field devices/components shall be added to be integrated with central platform. No new additional components at central platform level will be required for future MLCP parkings.
				-	In Corrigendum, point no. 392 - clause given as "For indoor multi level car parking ultrasonic sensors shall be deployed at each and every bay." - Request to add the ultrasonic sensors with quantity details in BOQ.	MLCP is future requirement.
88	8.1.7 ITMS – Field Equipment Sub Section - 2 b	239	Camera with ANPR capability - 200 Nos.	There is a contradiction in RFP BoQ for ANPR Camera quantity		200 ANPR cameras to be considered for RLVD system. 200 ANPR cameras with required speed sensor to be considered for Speed Violation system
89	8.1.7 ITMS – Field Equipment Sub Section - 4 c	239	ANPR Camera - 89 Nos.			
90	Volume II: Scope of Work 5.1.5.2.2.5 ANPR/RLVD Camera	162	IRIS IP /Corrigendum serial no 50	Contradiction in both the responses		Accepted as DC-Iris for CCTV cameras only
91			IRIS IP /Corrigendum serial no 21			
92	Volume I - 12. Annexure 7 - Consortium Agreement	88	iii. The Lead Bidder shall be solely and severally responsible and bound towards the KSCL for the performance of the works in accordance with the terms and conditions of the BID document, and Contract. The consortium members, if any will support the lead bidder in successful implementation of the objectives. /Corrigendum serial no 96	Both the clauses are contradictory and confusing. We request to clarify and modify the clause as follows:  The lead bidder shall be solely and severally responsible and bound towards the the KSCL for the performance of the works in accordance with the terms and conditions of the bid document , and contract. <b>The consortium members , if any will be liable for their scope of work.</b>		Accepted
93	Volume III – Master Service Level Agreement 9. Constitution of Consortium	97	/Corrigendum serial no 777			

94	Volume I Section 3.7 Technical Marking Matrix Sub-Section B. (4)- Egovernance	39	The Bidder (any member in case of consortium) shall have successfully executed at least one (1) projects related to implementation/integration and support of citizen centric e-Governance applications integrating at least four (4) different Citizen services (excluding CCTV system) having a minimum value of INR 5 crores per project during last seven (10) years. Number of Projects: 1) 3 Project : 05 Marks 2) 2 Projects : 04 Marks 3) 1 Project : 02 Marks /Corrigendum serial no 118	Both are contradictory. At one pplace number of integrations asked is 4 and is originally also asked but at other place it is asked 2 integration. Request to keep it 4 integrations as per original RFP		Amended clause: The Bidder (any member in case of consortium) shall have successfully executed at least one (1) projects related to implementation/integration and support of citizen centric e-Governance applications integrating at least TWO (2) different Citizen services (excluding CCTV system) having a minimum value of INR 5 crores per project during last ten (10) years. Number of Projects: 1) 3 Project : 05 Marks 2) 2 Projects : 04 Marks 3) 1 Project : 02 Marks
95	Volumn 1, page 44		/Corrigendum serial no 980			
96	Volume 3 , 12	20	Payments Authority shall make all efforts to make payments to SI within 60 days of receipt of invoice(s) and all necessary supporting documents. /Corrigendum serial no 128	Contradiction in both clarification. It is 45 or 30. We suggest to keep it 30 days		Payments Authority shall make all efforts to make payments to SI within 45 days of receipt of invoice(s) and all necessary supporting documents.
97		Payments Authority shall make all efforts to make payments to SI within 60 days of receipt of invoice(s) and all necessary supporting documents. /Corrigendum serial no 675			Payments Authority shall make all efforts to make payments to SI within 45 days of receipt of invoice(s) and all necessary supporting documents.	
98	volume 2	167	Beam Width: B6+ as per IRC/EN12966 standards. /Corrigendum serial no 200	clarification doesnt answer whether it is B6 or B7.		B6 or Better

99	5.1.5.8.1 ERP	188	ERP provides an integrated and continuously updated view of core business processes using common databases maintained by a database management system. ERP systems track business resources—cash, raw materials, production capacity— and the status of business commitments: orders, purchase orders, and payroll. The applications that make up the system share data across various departments (manufacturing, purchasing, sales, accounting, etc.) that provide the data ERP facilitates information flow between all business functions and manages connections to outside stakeholders	Please release a updated BOQ with the changes which has been asked in corrigendum. Also please make the BOQ calculate the value. Bidder should put the unit rate and it should self calculate. There has to be a standard BOM for all the bidder and there should be no confusion in the calculation method.		As per Solution Requirement
100		231	/Corrigendum serial no 647			pls refer corrigendum
101	Vol-II	28	☐ KSCL shall provide the location to house the compute and storage infrastructure, at the Data Centre facility being built at the Command and Control Centre. The KSCL has identified the	S. No. 647 and 2001 of Pre-Bid response contradicts with each other		ICCC approx area 3600 sq feet
102	3.10 Data Centre and Disaster					
103	Recovery Centre					
104	Vol-2   5.1.5.1.2.1.3 Red Light	137	Free Left Violation :: The non-intrusive system should identify the violation where either the Free Left is blocked by other vehicles or violation..... /Corrigendum serial no 598	Request authorities to define no. of cameras in BoQ		MSI has to decide the qty of Camera for Free left Violation.
105	Violation Detection (RLVD) System   5.1.5.1.2.1.3.2 Scope of Work					
106	5.1.5.6 Smart Parking Management System (SPMS)	172	As of now, there is no multilevel parking available in the city. /Corrigendum serial no 246	# Request authorities to provide break up On Street and off Street Parking. # Also request to provide estimated quantities of Boom Barrier and POS devices. # We assume that 500 Magenetic Sensors to be distributed across 42 parkings		This shall be read as outdoor parkings or precisely off-street parking locations (where there is defined entry/exit) and on-steet parking lots. Bidder shall consider 30% of total parking lots as outdoor/off-street parking lots and balance as on-street parking locations
107			There are total ~42 designated open parking area in the city and 72 proposed parking areas. The proposed parking lots shall have ~12000 Sq Meter area which can accommodate ~500 cars considering 25 Sq meter per vehicle. Out of these available parking spaces, there has been a need to find real-time information on availability of parking spaces in the city and disseminate this information to commuters. With Smart Parking solution, it is envisaged to have a system that alerts residents where the open parking space is available, provide parking rates and guides them to the parking area.			
108	Volume II, 8.1.8	230	Page 230 / 1. Camera Based Sensors parking sensors /Corrigendum serial no 1059	We understand from the RFP, there is no Multilevel Parking, Please confirm. If yes please share details of MultiLevel Parking		MLCP is future requirement. The parking management system and guidance system provided
109	5.1.4.1.2.3 Redundancy - vol 2	128	Location-wise Bandwidth requirements is given in Annexure A & B.	In RFP it has been mentioned that location wise Bandwidth is given in Annexure A & B, therefore request you to kindly provide the same		MSI has to decide.

110	8.1.1 Pan City Network Backbone- vol 2	230	24 Core Optical Cable based last mile connectivity	As per our experience, 2/ 4 Core Fibre Optica Cable is required for Last Mile Connectivity, therefore we request you to kindly amend the clause accordingly. 24 Core Optical Cable is required for dediccated City Wide connectivity.		yes it is accepted for last mile connectivity only. However, MSI has to meet the requirement.
	- vol 2 5.1.5.10 City Wi-Fi	210	For implementing the same the Bidder will carry out survey at these 86 locations (tentative) and will deploy the access points as required for providing the Wi-Fi services	# How many concurrent users at each wifi location is required to considered. # What would be the minimum speed to required to considered for each user		please refer RFP
	2.1 Components & Services Scope Overview - vol 2	23	MSI shall provide the bandwidth required for operationalizing each smart city initiative till the time Authority's own fiber is laid by the MSI as part of the scope of work of this RFP	For how much period we need to quote for connectvity from ISP? Is it for 3 or 5 years?		It is required for project duration
111		Page 235	Under Line Item there is "Network Access Switch"	Specifications not mentioned for this type of switch.		Please refer " 5.1.3.1.16 Manageable Edge Switch"
112		Page 105	Technical Specification provided for "Manageable Edge Switch"	Number / Count for the same is not mentioned.		As per Solution Requirement
113	8.1.7 ITMS – Field Equipment, Sub Section - 1 a	239	ATCS Traffic signal controller	No. of Locations as per list given in Section 8.4 is 72, whereas in BoQ it has been asked for 50 Nos. Please share location names of 50 Locations to be considered for estimating the BoQ		it will be shared with selected MSI
114	Volume II 5.1.5.1.1 Overview:	Page 132 , 136	Page 132 , 134 /Corrigendum serial no 1011	Considering the clarifications Radar based sensor detector is required in place of Camera based detection. Please confirm		please refer serial no 367 in corrigendum -I
115	8.1.7 ITMS – Field Equipment Sub Section - 1 b	239	Vehicle Detection Camera	# Request authorities to elaborate the basis for arriving qty of 510. As per our understanding if we consider One Camera Per way of the ITMS junction, qty totals upto 274. Refer to above clarification Serial No. Camera based detection is not required.		Pls quote min qty 510
116	8.1.7 ITMS – Field Equipment Sub Section - 2 c	239	Local processing unit	Refer to the Controller qty of 50 as asked in RFP BoQ, we understand RLVD and ANPR camera will be deployed on 50 out of total 72 Junctions as provided in list of locations. Considering this understanding qty of Local Processing Unit should be 50 Nos. minimum Please confirm		Pls quote as per BOQ
117	8.1.7 ITMS – Field Equipment Sub Section - 8	240	Emergency call Box	Please confirm ECB Location coincides with any of the list of locations provided in RFP so as to correctly calculate per location Industrial Switch and UPS requirements		KSCL will give to selected MSI
118			258	Means 8 port Network Switch Ruggedized (For Field). Please clarify		Industrial Switch as per Specification given in rfp CLAUSE 5.1.1.1 Industrial Grade Outdoor PoE switches
119			2321	Reply says 42 swith. Please confirm.		As per solution
120			Vol 2(5.1.3.1.1 Internet Router): <b>Query response no. 54.</b> Tender has already asked for the separate F/w in section 5.1.3.1.2 Next-generation Firewall with IPS and anti-APT . We suggest to remove this specs from the router.	please refer query 1540 ( query response 1540 is not available in file )	corrigendum I	As per RFP

121		<p>5.1.3.1.6 Data Centre Core Switch: <b>Query response no. 55</b> This OEM specific sizing .Kindly amend the clause as :- "The total aggregate switching capacity shall be scalable up to 28 Tbps Per slot throughput should be 2 Tbps " to allow leading OEM to participate.</p>	please refer query 1541 ( query response 1541 is not available in file )	corrigendum I	As per RFP
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