

GUWAHATI SMART CITY LTD.

(Formerly Guwahati Smart City Development Agency Ltd.)

(CIN U45309AS2016SGC017403)

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SPV/GSCL/DEV/55/2017/Pt-1/329

Date: 11.08.2020

ADDENDUM-4: Pre-Bid Response

Tender Title:

“System Integrator Design Engineering Supply Installation Erection Testing and Commissioning including o and m for a period of five years for city surveillance and Integrated Command and Control Centre in Guwahati”

Tender No:

SPV/GSCL/DEV/55/2017/396

Tender ID:

2020_GSCT_17942_1

Tender Published Date:

12-06-2020

This addendum is being issued for the pre-bid queries raised by the prospective bidders for the above mentioned tender. Bidders are informed that no further consideration of queries will be accepted by GSCL. The intending bidders are requested to take note of the following changes and accordingly shall have to submit the tender.

-Sd-
Managing Director
Guwahati Smart City Limited

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our - Responses
Vol.1	67	PricewaterhouseCoopers Private Limited	Volume -1, Annexure 6 - Consortium Agreement, S.No. III	93	The Parties shall be jointly and severally responsible and bound towards the Authority for the performance of the works in accordance with the terms and conditions of the BID document, and Contract.	Kindly modify the clause as : Lead Bidder shall be severally responsible and bound towards the Authority for the performance of the work in accordance with the terms and conditions of the BID documents and contract. Each consortium member will only be responsible/ liable for their scope of work as agreed in the agreement	Tender conditions shall prevail.
Vol.1	77	Envoy Electronics Pvt. Ltd.	Volume 1: Instruction to Bidders, 3.5. Pre-Qualification Criteria, Point 2	Page 34 of 104	A. The Sole Bidder shall have an average annual turnover of 250 Crore over the last three (3) financial years. ● In case of consortium: o Lead Bidder should have minimum 60% of the Average Annual Turnover requirement o Each consortium member should have minimum 30% of the Average Annual Turnover requirement o All members together should meet 250 Crore Average Annual Turnover requirement	Since ATCS & ITMS credentials have been asked under TQ, for successful implementation of this project, ATCS and ITMS OEM/SI are required to be part of consortium. However most of the ATCS/ITMS OEM Companies in India do not have average Annual Turnover of INR 75 Cr Hence for maximum participation of experienced ATCS/ITMS OEM/SI, average annual Turnover for Consortium partner needs to be changed to minimum INR 15 Cr instead of 30% criteria and all members together to meet average annual turnover requirement of INR 250 Cr	Refer Addendum for Vol -I
Vol.1	101	Schneider Electric Software Pvt. Ltd.	RFP Vol-1/2.29. Eligible Goods and Services, and OEM Criteria/i	28	The ICCC Solution proposed by the Bidder must be operational in minimum 2 City wide projects in India with at least 1000 cameras/sensors in last 3 years. Undertaking from OEM and successful completion/ installation report from client (State / Central Government Department or Central /State PSUs/ Smart City) needs to be submitted along with the bid documents.	Current Requirement for GSCL requires a platform as a framework for sensing, for communication, for integration with OT technology which is made up of multiplicity of diverse use applications. The city needs a systems of systems platform capable of managing different technologies and devices, and enable different application services for different services in the city. A platform which is future ready and of industrial strength, scalable, not only able to scale to accommodate and process more data but of the same type, but also from variety of sources thus converging the IT and OT world. ICCC is a level 4 consolidation and monitoring mechanism and not a dashboard of surveillance monitoring. ICCC should cater to needs of the current as well as future integrations basis the scalability of smart city solutions and tools which also include physical infrastructure like water, energy, sewerage etc. Camera is specific to Video Management System and the current condition under ICCC should be moved or changed to Video Management System OEM. There are very few implementations of ICCC in India which has IT/OT convergence. OT plays a major role in any city and ICCC PAN CITY. Hence we have to buy a ICCC Platform with capability to control, command and monitor all the IT and OT assets.	Refer Addendum

Vol.1	102	Schneider Electric Software Pvt. Ltd.	RFP Vol-1/3.6.1 Technical Bid Criteria & Evaluation/B4.2/Integrated Command and Control Centre Solution (OEM Criteria)	41	No. of projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the ICCC Solutions proposed by the Bidder is fully operational and integrated with multiple applications like Surveillance, ITMS etc. in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis.	The ICCC platform is being deployed for whole of the city and not restricted to Surveillance & ITMS. ICCC needs to have future integrations with other point solutions as well including physical technologies like water, electricity, energy & sewerage. This should also be done at a level where there is bi-directional control for manual override during emergency situation with the control and command functionality in the ICCC platform. ICCC platform cannot be a mere dashboarding tool. Water is one of the major concern for Guwahati Smart City and it needs to be monitored and controlled from the ICCC. Water, electricity, energy & sewerage is one of the most critical utilities for Guwahati Smart City, which has been completely ignored in this tender and as a functionality for an ICCC. Need to bring focus back on utilities and physical infrastructure rather than just focusing on IT part of the pan city implementation.	Refer Addendum For Vol -I
Vol.1	103	Schneider Electric Software Pvt. Ltd.	RFP Vol-1/3.6.1 Technical Bid Criteria & Evaluation/C2/Proof of concept(POC)	44	1. Need to demonstrate the ICCC Control Room setup with visualization (2*2 Screen – 5 Marks) 2. Integration with Security & Surveillance System (Surveillance Cameras, SVD, RLVD & ANPR – 5 Marks)	Success of ICCC pan city projects are based on the ability of the MSI to integrate all the point solutions with the central command and control centre platform. Without the integration, the project fails to move from implementation to operations phase. Hence, it is important to understand the capability of platform proposed by MSI to seamlessly integrate all the city ICT interventions. Thus, we need to include stringent criteria in POC to check the ability of the MSI to be integrated. In this tender lot of weightage has been given to CV's which should be balanced along with this clause and POC for integration	Tender conditions shall prevail.
Vol.1	121	Dell International Services Ltd Private Limited	Vol1, 2.29, Eligible Goods and Services, and OEM Criteria	28	e) OEM to give declaration that offered product will not be end of life for minimum of 24 months from the date of bidding and the support for such offered product/s will be available for minimum of 10 years from the date of bidding.	Please modify as "e) OEM to give declaration that offered product will not be end of life for minimum of 24 months from the date of bidding and the support for such offered product/s will be available for the period of 60 months from the date of Go-live."	Agreed. Bidder to Refer Point 1.02 of Corrigendum 01. "OEM to give declaration that offered product will not be end of life for minimum of 12 months from the date of bidding and the support for such offered product/s will be available for the period of 60 months from the date of Go-live."
Vol.1	122	Dell International Services Ltd Private Limited	Vol1, 7.10, Manufacturers'/Producers' Authorization Form	82	The support for such offered product/s will be available for minimum of 10 years from the date of bidding	Please modify as "The support for such offered product/s will be available for the period of 60 months from the date of Go-live"	Bidder to Refer Addendum for Vol-I
Vol.1	187	Pace Power Systems Pvt. Ltd.	Volume- 01 Section 2.8	16	The bid document must be accompanied by the Earnest Money Deposit of Rs. 2,59,00,000/- (Rupees Two Crore, Fifty-Nine Lakhs only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank.	It is requested to change this clause to allow EMD in Bank Guarantee Form as in this COVID-19 situation we need support.	Refer Addendum for Vol -I

Vol.1	188	Pace Power Systems Pvt. Ltd.	Volume- 01 Section 3.5 Sr. No. 3	35	The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India.	The Sole Bidder or any consortium member (in case of consortium) should have successfully executed (Supply or completed) at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India	Refer Addendum for Vol -I
Vol.3	200	Delta Electronics India Pvt Ltd (Pre-Bid Query Set-4)	Volume -3	38	Battery replacement for all equipment / devices procured Replacement of various equipment batteries. This excludes regular maintenance of the UPS and its batteries. Measurement Tool: SLA Monitoring tool for inventory management. Batteries to be replaced every 3rd year	Whether battery are to be replaced for all UPS every 3rd year	Tender conditions shall prevail
Vol.1	201	Intellve Solution Limited	Volume 1 2.29. Eligible Goods and Services, and OEM Criteria	28/104	h) The OEM for VMS proposed by the Bidder must be operational in minimum 2 City Surveillance projects in India with at least 1000 cameras in last 3 years as on date of submission of bid. Undertaking from OEM and successful completion/ installation report from client (State/ Central Government Department or Central/ State PSUs/ Smart City) needs to be submitted along with the bid documents.	We understand from the clause that Smart Town Ships / Integrated Security System Projects for Plants / Campus based projects from Central/Sate PSUs are allowed. Please confirm if our understanding is correct. Otherwise please allow the same. Also we understand that 1000 number of cameras being asked are the aggregate Cameras from 2 City Surveillance Projects. Please confirm if our understanding is correct. Otherwise please allow the same. For Successful Completion / Installation report, normally the end customers do not issue the instalaltion report / completion certificate to the OEMs but to the MSIs. Therefore, it is requested to allow completion certificate/ installation report from the MSI partner of the OEM also to be considered for the project or only an undertaking from the OEM signed duly from the authorised person should be good enough for consideration which is generally the practice.	Refer Addendum for Vol -I

Vol.1	202	Intellve Solution Limited	Volume 1 2.29. Eligible Goods and Services, and OEM Criteria	28/104	i) The ICCC Solution proposed by the Bidder must be operational in minimum 2 City wide projects in India with at least 1000 cameras/sensors in last 3 years. Undertaking from OEM and successful completion/ installation report from client (State / Central Government Department or Central /State PSUs/ Smart City) needs to be submitted along with the bid documents.	We understand from the clause that Smart Town Ships / Integrated Security System Projects for Plants / Campus based projects from Central/Sate PSUs are allowed. Please confirm if our understanding is correct. Otherwise please allow the same. Also we understand that 1000 number of cameras / Sensors being asked are the aggregate Cameras/Sensors from 2 City Wide Projects. Please confirm if our understanding is correct. Otherwise please allow the same. For Successful Completion / Installation report, normally the end customers do not issue the instalaltion report / completion certificate to the OEMs but to the MSIs. Therefore, it is requested to allow completion certificate/ installation report from the MSI partner of the OEM also to be considered for the project or only an undertaking from the OEM signed duly from the authorised person should be good enough for consideration which is generally the practice.	Refer Addendum for Vol -I
Vol.1	203	Intellve Solution Limited	Volume 1 3.6.1 Technical Bid Criteria & Evaluation, B4.2 Integrated Command and Control Centre Solution (OEM Criteria)	42/104	No. of projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the ICCC Solutions proposed by the Bidder is fully operational and integrated with multiple applications like Surveillance, ITMS etc. in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis.	Please allow projects from large Private Enterprises also to be considered along with State/ Central Government Department or Central/ State PSUs/ Smart City. OEM Eligibility Criteria mandates projects (2 numbers) from State/ Central Government Department or Central/ State PSUs/ Smart City which fulfills the requirement of consideration ofr Government Projects. Also it is requested to change the marking criteria to: 2 Projects: 3 Marks >2 Prjects: 5 Marks	Refer Addendum for Vol -I
Vol.1	204	Intellve Solution Limited	Volume 1 3.6.1 Technical Bid Criteria & Evaluation, B5VMS (OEM Criteria)	42/104	No. of Surveillance projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the VMS proposed by the Bidder is fully operational and integrated with Central Control Centre/ Room and consisting of at least 1000 IP CCTV Cameras in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis.	Please allow projects from large Private Enterprises also to be considered along with State/ Central Government Department or Central/ State PSUs/ Smart City. OEM Eligibility Criteria mandates projects (2 numbers) from State/ Central Government Department or Central/ State PSUs/ Smart City which fulfills the requirement of consideration for Government Projects. Also it is requested to change the marking criteria to: 2 Projects: 3 Marks >2 Prjects: 5 Marks Also most of the government projects / PSU projects / Smart City projects do not have 1000 CCTV cameras each. It is requested to wave off this requirement of 1000 Cameras.	Refer Addendum for Vol -I
Vol.1	226	Johnson Control	Vol-1 2.29. Eligible Goods and Services, and OEM Criteria	27	OEM Criteria	ATCS being a important component of the RFP, you are requested to please include suitable OEM criteria of ATCS.	Tender conditions shall prevail.

Vol.1	227	Johnson Control	Vol-1 2.29. Eligible Goods and Services, and OEM Criteria	28	The OEM of each product or technology should have valid quality certifications like ISO 9001.	ACTS being a engineering tool, you are requested to consider CMM3 for Traffic Controller OEM.	Agreed. Bidder to Refer Addendum of Vol 1 "The OEM of each product or technology should have valid quality certifications like ISO 9001 or CMMI Level 3 or better."
Vol.1	228	Johnson Control	Vol-1 3.5. Pre-Qualification Criteria	33	The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India.	On page No 37 of Volume one, International Projects have been made acceptable. Kindly consider Global experience in PQ criteria Also. ATCS being a new technology and Guwahathi having larger no of junctions , kindly also consider ATCS OEM experience under this clause. Also consider "Adaptive Traffic Singal Control " in place of Traffic signal Control.	Refer Addendum for Vol -I
Vol.1	229	Johnson Control	Vol-1 3.5. Pre-Qualification Criteria P	36	The bidder (or any Consortium member) should have experience of setting up and Operation & Maintenance of Integrated command & control room/ emergency response centre /Security and Surveillance control room/ Surveillance control room built for Central / State Government Department or Central/State Public Sector Units (PSUs)/ Smart City and other Government establishment in India during last Seven (7) years as on Bid Submission date.	On page No 37 of Volume one, International Projects have been made acceptable. Kindly consider Global experience in PQ criteria Also.	Refer Addendum for Vol -I
Vol.1	230	Johnson Control	Vol-1 3.5. Pre-Qualification Criteria	36	Note: 1. Following documentary evidence (Citation, copy of completion / ongoing client certificate and work order/Contract/self- certificate) is required for all project experience from the Sole Bidder/ Consortium member	Kindly consider Certificate signed by the Company Secretary/statutory Auditor/certifying the project details, its value, completion status etc in absence of PO/Completion letter.	Refer to Addendum for Vol 1
Vol.1	231	Johnson Control	Vol-1 3.6.1 Technical Bid Criteria & Evaluation	40	B2 (Integrated Traffic Management System) : The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project with the following components during last seven years (as on Bid Submission date) Components: Adaptive Traffic Control System AND	ATCS and RLVD/ANPR system being two different technologies kindt allocate seprate marking for ATCS and RLVD/ANPR. OR kindly Consider " Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System RLVD System/ANPR System. ATCS scope of Guwahati is for 64 Junctions, considering the same please increase the minimum project value to 10 Cr. Also ATCS being a new technology and Guwahathi having larger no of junctions , kindly also consider ATCS OEM experience under this clause	Refer Addendum for Vol -I
Vol.1	232	Johnson Control	Vol-1 3.6.1 Technical Bid Criteria & Evaluation	42	VMS (OEM Criteria)	ATCS being a important and crucial component, please include OEM criteria in Technical evaluation also and allocate suitable marks.	Refer Addendum for Vol -I

Vol.1	233	Johnson Control	Vol-1 3.6.1 Technical Bid Criteria & Evaluation	44	Proof of Concept (POC)	Please include PoC for ATCS solution also using Simulation Tool.	Refer Addendum for Vol -I
Vol.1	234	Johnson Control	Vol-1 3.6.1 Technical Bid Criteria & Evaluation Page 44	44	Proposed resources (Max. 10 marks)	Please consider ATCS Expert also from Bidder/OEM.	Tender conditions shall prevail.
Vol.3	242	Johnson Control	Volume 3 43.6.4. City surveillance & ICT Component related performance levels	38	8. Bidder should keep minimum 10% spare at any given point of project execution. Infrastructure equipment should be replaced or repaired after complaint logging from Authority officials Measurement Tool: System generated call log at Helpdesk	ATCS Controllers is of high value item and also has MTBF more than 9 years. Hence 10% is not required. Instead kindly mention Sufficient spare to meet SLA or 10% minimum.	Refer Addendum for Vol -3
Vol.1	243	Johnson Control	Vol 1; Cl. 4.6	51	The Employer will, if requested by the CONTRACTOR, make mobilization advance payments of 10(%) percent of the Awarded Contract Value to the CONTRACTOR to assist in defraying the initial expenses that will necessarily be incurred by the CONTRACTOR for mobilization and design. The Mobilization Advance will be given to the CONTRACTOR with Simple Interest of 10 % (Percent) per annum.	Request for interest free advance.	Refer to Addendum for Vol I

Vol.3	244	Johnson Control	Vol 3; Cl.13	16	<p>Intellectual Property Rights</p> <p>13.1. Retention of Ownership except for the rights expressly granted to the Licensee under this Agreement, the Licensor shall retain all right, title and interest in and to the Licensed Technology, including all worldwide Technology and intellectual property and proprietary rights.</p> <p>13.2. Preservation of Notice Licensee shall not remove, efface or obscure any copyright notices or other proprietary notices or legends from any Licensed Technology or materials provided under this Agreement, and shall reproduce all such notices and legends when incorporating Licensed Technology or materials into any Integrated Products.</p> <p>13.3. SI must ensure that while using any software, hardware, processes, document or material in the course of performing the Services, it does not infringe the Intellectual Property Rights of any person/Company. SI shall keep the Authority indemnified against all costs, expenses and liabilities howsoever, arising out any illegal or unauthorized use (piracy) or in connection with any claim or proceedings relating to any breach or violation of any permission/license terms or infringement of any Intellectual Property Rights by SI or SI's Team during the course of performance of the Services. SI's liability is excluded regarding any claim based on any of the following (a) anything Authority provides which is incorporated into the Solution; (b) the Authority's modification of the solution;</p> <p>13.4. Authority shall own and have a right in perpetuity to use all newly created Intellectual Property Rights which have been developed solely during execution of this Contract, including but not limited to all processes, products, specifications, reports and other documents which have been newly created and developed by SI solely during the performance of Services and for the</p>	<p>we understand this clause is not applicable for Core IPR of any product. Please clarify.</p>	<p>Tender conditions shall prevail.</p>
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Vol.3	245	Johnson Control	Vol 3; Cl.15	18	<p>15. Indemnity</p> <p>15.1. SI shall indemnify the Authority from and against any costs, loss, damages, expense, claims including those from third parties or liabilities of any kind howsoever suffered, arising or incurred inter alia during and after the Contract period out of:</p> <p>a. any negligence or wrongful act or omission by SI or any third party associated with SI in connection with or incidental to this Contract; or</p> <p>b. any breach of any of the terms of SI's bid as agreed, the RFP and this Contract by SI</p> <p>c. any infringement of patent, trademark/copyright or industrial design rights arising from the use of the supplied goods and related services or any part thereof</p> <p>15.2. SI shall also indemnify the Authority against any privilege, claim or assertion made by a third party with respect to right or interest in, ownership, mortgage or disposal of any asset, property etc.</p> <p>15.3. Regardless of anything contained (except for SI's liability for bodily injury and/ or damage to tangible and real property for which it is legally liable and its liability for patent and copyright infringement in accordance with the terms of this Agreement) the total liability of SI, is restricted to the total value of the contract and SI is not responsible for any third party claims</p>	<p>1. Limitation of Liability shall be capped at 100% of Contract Value.</p> <p>2. Request you to delete all Carve Out/ Exclusions from Limitation of Liability</p> <p>3. Either party under no legal theory shall have right to claim for consequential losses and damages</p>	Refer Addendum for Vol -3
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Vol.3	246	Johnson Control	Vol 3; Cl.22	21	<p>22. Force Majeure</p> <p>22.1. Force Majeure shall not include any events caused due to acts/ omissions of SI resulting in a breach/ contravention of any of the terms of the Contract and/or SI's Bid. It shall also not include any default on the part of SI due to its negligence or failure to implement the stipulated/ proposed precautions, as were required to be taken under the Contract.</p> <p>22.2. The failure or occurrence of a delay in performance of any of the obligations of either party shall constitute a Force Majeure event only where such failure or delay could not have reasonably been foreseen i.e. war, or hostility, acts of the public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restriction, strikes, lockouts or act of God (hereinafter referred to as events) , or where despite the presence of adequate and stipulated safeguards the failure to perform obligations has occurred at any location in scope. In such an event, the affected party shall inform the other party in writing within five days of the occurrence of such event. Any failure or lapse on the part of SI in performing any obligation as is necessary and proper, to negate the damage due to projected force majeure events or to mitigate the damage that may be caused due to the above mentioned events or the failure to provide adequate disaster management/ recovery or any failure in setting up a contingency mechanism would not constitute force majeure, as set out above.</p> <p>22.3. In case of a Force Majeure, all Parties shall endeavour to agree on an alternate mode of performance in order to ensure the continuity of service and implementation of the obligations of a party under the Contract and to minimize any adverse consequences of Force Majeure.</p> <p>22.4. Force Majeure shall not apply to any obligation of the Owner to make payments to the Contractor</p>	<p>Request you to incorporate the following</p> <ul style="list-style-type: none"> • Request to add events beyond the control of either Party or both the Parties. • Right of EOT and price implication • Both the parties shall have termination rights to both the parties for prolonged suspension due to FM conditions for period more than 60 days continuous and / or 90 days cumulative. • In case of termination SI shall be entitled to be paid for work completed and work in progress 	<p>Read amended clause 22.4 as : In case of Force majeure, the Contractor will be liable only for the Extension of Time for Completion of work and Force Majeure shall not apply to any obligation of the Owner to make payments to the Contractor. Refer Addendum of Vol 3</p>
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Vol.3	247	Johnson Control	Vol 3; CL.24	22	<p>24. Insurance</p> <p>24.1. The Goods supplied under this Contract shall be comprehensively insured by SI at his own cost, against any loss or damage, for the entire period of the contract. SI shall submit to the Authority, documentary evidence issued by the insurance company, indicating that such insurance has been taken.</p> <p>24.2. SI shall bear all the statutory levies like customs, insurance, freight, etc. applicable on the goods and also the charges like transportation charges, octroi, etc. that may be applicable till the goods are delivered at the respective sites of installation shall also be borne by SI.</p> <p>24.3. SI shall take out and maintain at its own cost, on terms and conditions approved by the Authority, insurance against the risks, and for the coverages, as specified below;</p> <p>a. At the Authority's request, shall provide evidence to the Authority showing that such insurance has been taken out and maintained and that the current premiums therefore have been paid.</p> <p>b. Employer's liability and workers' compensation insurance in respect of the Personnel of the Company, in accordance with the relevant provisions of the Applicable Lawas well as, with respect to such Personnel, any such life, health, accident, travel or other insurance as may be appropriate</p>	SI shall undertake comprehensive insurance cover valid till scheduled completion period, in case of extension of time for reasons not attributable to SI, period of cover shall be extended by SI at the cost of GSCL.	Refer Addendum for Vol -3
Vol.3	248	Johnson Control	Vol 3; CL.25	22	<p>25. Transfer of Ownership</p> <p>25.1. SI must transfer all titles to the assets and goods procured for the purpose of the project to the Authority at the time of Acceptance of System. This includes all licenses, titles, source code, certificates, hardware, devices, equipment's etc. related to the system designed, developed, installed and maintained by SI. SI is expected to provide source code, transfer IPR and ownership right of only those solutions which would be customized by bidder for the use of Guwahati Smart City Limited. For any pre-existing work, SI and Guwahati Smart City Limited shall be held jointly responsible and its use in any other project by SI shall be decided on mutual consent.</p> <p>25.2. Forthwith upon expiry or earlier termination of the Contract and at any other time on demand by the Authority, SI shall deliver to the Authority all Documents provided by or originating from the Authority and all Documents produced by or from or for SI in the course of performing the Services, unless otherwise directed in writing by the Authority at no additional cost. SI shall not, without the prior written consent of the Authority store, copy, distribute or retain any such Documents</p>	IP rights cannot be transferred or assigned in manner to GSCL.	Refer Addendum for Vol -3

Vol.3	249	Johnson Control	Vol 3; Cl.28	24	<p>28. Liquidated Damages:</p> <p>28.1. If SI fails to supply, install or maintain any or all of the goods as per the contract, within the time period(s) specified in the RFP Vol II, the Authority without prejudice to its other rights and remedies under the Contract, deduct from the Contract price, as liquidated damages, a sum equivalent to 0.1 % per week or part thereof of contract value for a milestone/quarter.</p> <p>28.2. The deduction shall not in any case exceed 10 % of the contract value.</p> <p>28.3. The Authority may without prejudice to its right to effect recovery by any other method, deduct the amount of liquidated damages from any money belonging to SI in its hands (which includes the Authority's right to claim such amount against SI's Bank Guarantee) or which may become due to SI. Any such recovery or liquidated damages shall not in any way relieve SI from any of its obligations to complete the Work or from any other obligations and liabilities under the Contract.</p> <p>28.4. Delay not attributable to SI shall be considered for exclusion for the purpose of computing liquidated damages.</p>	<p>1. Request you to cap the overall LD for delay in completion at 5% of the Contract Value.</p> <p>2. Request you to add the following wordings "Levy of LD shall be sole and exclusive remedy available to GSCL."</p>	Tender conditions shall prevail
Vol.3	250	Johnson Control	Vol 3; Cl.29	24	<p>29. Limitation of Liability:</p> <p>Limitation of Bidder's Liability towards the Authority:</p> <p>29.1. Neither Party shall be liable to the other Party for any indirect or consequential loss or damage (including loss of revenue and profits) arising out of or relating to the Contract.</p> <p>29.2. Except in case of gross negligence or wilful misconduct on the part of SI or on the part of any person or company acting on behalf of SI in carrying out the Services, SI, with respect to damage caused by SI to Authority's property, shall not be liable to Authority: (i) for any indirect or consequential loss or damage; and (ii) for any direct loss or damage that exceeds (A) the total payments payable under the Contract to SI hereunder, or (B) the proceeds SI may be entitled to receive from any insurance maintained by SI to cover such a liability, whichever of (A) or (B) is higher.</p> <p>29.3. This limitation of liability shall not affect SI liability, if any, for damage to Third Parties caused by SI or any person or company acting on behalf of SI in carrying out the Services</p>	<ul style="list-style-type: none"> • Limitation of Liability shall be capped at 100% of Contract Value. • Request you to delete all the Carve Out/ Exclusions from Limitation of Liability • Either party under no legal theory shall have right to claim for consequential losses and damages 	Refer Addendum for Vol -3

Vol.1	251	DRAVIN ISURVE SOLUTION LLP	Vol-1 Clause# 4.3	49	PBG 10%	PBG should be 5% on Project value and the after commissioning of project for O&M period it should be 5% of O&M value. This is requested because value is high and cost of BG will be loaded on cost and therefore, the value quoted will go up. BG is in any case to safeguard. Since only supply only 60% is paid, therefore lot of money of contractor will be on hold with GSCL.	Refer Addendum for Vol -1
Vol.1	269	DRA Infracon Pvt. Limited (DRAIPL)	Volume 1 . 3.5. Pre-Qualification Criteria	33	<p>A. The Sole Bidder shall have an average annual turnover of 250 Crore over the last three (3) financial years.</p> <p>In case of consortium:</p> <ul style="list-style-type: none"> - Lead Bidder should have minimum 60% of the Average Annual Turnover requirement - Each consortium member should have minimum 30% of the Average Annual Turnover requirement - All members together should meet 250 Crore Average Annual Turnover requirement <p>B. Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 200 Crore from the “specific business areas” mentioned below over the last three financial years with lead bidder should have minimum 60% average annual turnover requirement. .</p> <ul style="list-style-type: none"> - ICT Infrastructure - IT system integration services 	<p>The turnover criteria to ensure financial stability of the bidder needs to be considered in the interest of the project. There are multiple components in the RFP and multiple consortium partners bring in their core expertise. To allow companies having requisite financial and technical experience in the smart cities domain and wider participation by qualified bidders, request you to kindly modify the clause as under:</p> <p>" A. The Sole Bidder shall have an average annual turnover of 400 Crore over the last three (3) financial years.</p> <p>In case of consortium:</p> <ul style="list-style-type: none"> - Lead Bidder should have minimum 60% of the Average Annual Turnover requirement - Each consortium member should have minimum 30% of the Average Annual Turnover requirement - All members together should meet 400 Crore Average Annual Turnover requirement <p>B. Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 100 Crore from the “specific business areas” mentioned below over the last three financial years with lead bidder should have minimum 60% average annual turnover requirement. .</p> <ul style="list-style-type: none"> - ICT Infrastructure - IT system integration services 	Refer Addendum for Vol -1
Vol.1	270	DRA Infracon Pvt. Limited (DRAIPL)	Volume 1 . 1. 3.2. Method of Selection	7	The method of selection is QCBS – Quality cum Cost based Selection. The Contract will be awarded to the bidder with highest Total Score	RFP procedure of selection of Bidder which is not based on L1 basis, will result in to huge extra expenditure and thereby huge loss to Government exchequer. Since the selected Bidder has to carry out the work absolutely in accordance with given specification and quality standards for each item, that appears to be no reason / necessity to adopt the procedure of QCBS for the selection of Bidder. Therefore we humbly request GSCL to please change method of selection of Bidder on L1 basis instead of QCBS. There are / were similar and even much bigger mission critical projects in defence, aviation, ports, MES etc where the criteria of bid evaluation is always L1 basis.	Tender conditions shall prevail.

Vol.1	271	DRA Infracon Pvt. Limited (DRAIPL)	Volume 1 3.6.1 Technical Bid Criteria & Evaluation, B4.2 Integrated Command and Control Centre Solution (OEM Criteria)	42/104	No. of projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the ICCS Solutions proposed by the Bidder is fully operational and integrated with multiple applications like Surveillance, ITMS etc. in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis.	Please allow projects from large Private Enterprises also to be considered along with State/ Central Government Department or Central/ State PSUs/ Smart City. OEM Eligibility Criteria mandates projects (2 numbers) from State/ Central Government Department or Central/ State PSUs/ Smart City which fulfills the requirement of consideration of Government Projects. Also it is requested to change the marking criteria to: 2 Projects: 3 Marks >2 Prjects: 5 Marks	Refer Addendum for Vol -1
Vol.1	272	DRA Infracon Pvt. Limited (DRAIPL)	Volume 1 3.6.1 Technical Bid Criteria & Evaluation, B5VMS (OEM Criteria)	42/104	No. of Surveillance projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the VMS proposed by the Bidder is fully operational and integrated with Central Control Centre/ Room and consisting of at least 1000 IP CCTV Cameras in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis.	Please allow projects from large Private Enterprises also to be considered along with State/ Central Government Department or Central/ State PSUs/ Smart City. OEM Eligibility Criteria mandates projects (2 numbers) from State/ Central Government Department or Central/ State PSUs/ Smart City which fulfills the requirement of consideration for Government Projects. Also it is requested to change the marking criteria to: 2 Projects: 3 Marks >2 Prjects: 5 Marks Also most of the government projects / PSU projects / Smart City projects do not have 1000 CCTV cameras each. It is requested to wave off this requirement of 1000 Cameras.	Refer Addendum for Vol -1
Vol.1	274	ITI Limited	Vol.1. Section 2, 2.8	16	The bid document must be accompanied by the Earnest Money Deposit of Rs. 2,59,00,000/- (Rupees Two Crore, Fifty-Nine Lakhs only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank.	We request you to exempt the submission of EMD for Central PSUs	Refer Addendum for Vol -1
Vol.1	275	ITI Limited	Vol.1. Section 2, 2.8	16	The bid document must be accompanied by the Earnest Money Deposit of Rs. 2,59,00,000/- (Rupees Two Crore, Fifty-Nine Lakhs only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank.	We request you to allow Central PSUs to submit Corporate Guarantee in place of EMD Bank Guarantee	Refer Addendum for Vol -1
Vol.1	336	Lookman	Volume 1 2.29. Eligible Goods and Services, and OEM Criteria	27	f)The proposed OEM should have installed base of at least 20% of the quoted product in terms of volume in a single project.	This will create disproportionate Pre Qualification as for some items the criteria is too minute, also If OEM seeks to offer a new cutting edge product, he won't be able to do so as the clause effectively prevents him from quoting a new launch. This criteria may be amended with standard OEM criterias such as: OEM should have supplied atleast 5000 Box cameras in City surveillance or smart city projects, and 2000 ITMS cameras.	Tender conditions shall prevail.

Vol.1	337	Lookman	Volume 1 2.29. Eligible Goods and Services, and OEM Criteria	28	h)The OEM for VMS proposed by the Bidder must be operational in minimum 2 City Surveillance projects in India with at least 1000 cameras in last 3 years as on date of submission of bid. Undertaking from OEM and successful completion/ installation report from client (State/ Central Government Department or Central/ State PSUs/ Smart City) needs to be submitted along with the bid documents.	Request to allow OEM with VMS supplied for atleast 1 project with 500 cameras registered to the centrally monitored VMS for City surveillance / Police department projects	Tender conditions shall prevail.
Vol.1	338	Lookman	Volume 1 2.29. Eligible Goods and Services, and OEM Criteria	28	The ICCS Solution proposed by the Bidder must be operational in minimum 2 City wide projects in India with at least 1000 cameras/sensors in last 3 years. Undertaking from OEM and successful completion/ installation report from client (State / Central Government Department or Central /State PSUs/ Smart City) needs to be submitted along with the bid documents.	Request to allow INDIAN OEM with Recognised Rnd center in India along with CMMI 5 certification.	Refer Addendum for Vol -1
Vol.1	365	Huawei	Vol 1 7.10.Manufacturers'/Producers' Authorization Form	82	We certify that we have not been blacklisted in any manner whatsoever by any of the Union Territory/ Central / State Government Department or Central/State Public Sector Units (PSUs) or Smart City in India or Globally on any ground including but not limited to indulgence in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice as on bid submission date.	We understand that the clause of Blacklisting should be limited to India Only hence please remove the word " Globally " from the paragraph in MAF & change the clause as - " We certify that we have not been blacklisted in any manner whatsoever by any of the Union Territory/ Central / State Government Department or Central/State Public Sector Units (PSUs) or Smart City in India on any ground including but not limited to indulgence in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice as on bid submission date"	Tender conditions shall prevail.
Vol.1	407	Madras Security Printers Private Limited	Volume I 3.5. Pre Qualification Criteria	35	The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India.	We Request to consider the below criteria, "The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 5 years with minimum 200 numbers/ Cumulative of 1000 numbers in last 5 years of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India". (Justification: More than 1000 cameras in a single project in last 3 years will be restricting many bidders. Only bidders who awarded CCTV project shall be qualifying and so we are requesting to consider the requested criteria and allow to participate some competitive bidders)	Refer Addendum for Vol -1

Vol.1	408	Madras Security Printers Private Limited	Volume I, 3.5. Pre-Qualification Criteria (Notes), Point no 1(c)	36	c) In case of ongoing projects with operations & maintenance scope, the completion certificate should specify successful execution and in-operation status of a part of the order meeting the requirement. To substantiate this, a certificate from the Competent Authority of the Client/ Chartered Accountant/ Statutory Auditor has to be provided.	We Request to consider the below criteria, "c) In case of ongoing projects, the project should have completed atleast 80% CAPEX. CA certificate/ Client certificate has to be submitted ".(Justification: Many Smart city tenders floated in last three years are accepting 80% CAPEX project completion from Client/ CA. Since, many awarded projects in last two years are in Ongoing stage and so we request you to consider the requested criteria)	Refer Addendum for Vol -1
Vol.1	409	Madras Security Printers Private Limited	Volume I, 3.6.1 Technical Bid Criteria & Evaluation- B1, City Surveillance Projects	40	The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on City surveillance with video analytics system of minimum value of INR 15 Crores during last seven years (as on Bid Submission date) per project.	We Request to consider the below criteria, "The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on City surveillance with video analytics system of minimum value of INR 10 Crores during last seven years (as on Bid Submission date) per project". (Justification: We request to consider the criteria which shall allow MSME companies to get participated as a Consortium partner)	Tender conditions shall prevail.
Vol.1	410	Madras Security Printers Private Limited	Volume I, 3.6.1 Technical Bid Criteria & Evaluation- B2, Integrated Traffic Management System	40	The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project with the following components during last seven years (as on Bid Submission date) Components: Adaptive Traffic Control System AND Marks shall be allotted as below: Number of Projects Marks >= 3 Projects 10 2 Projects 8 1 Project 6	We Request to consider the below criteria, "The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project with the following components during last seven years (as on Bid Submission date)". (Justification: Both ATCS and ITMS in a single project restricts many companies to get participated. We requested you to consider any one criteria and allow us to provide more bidders) Components: Adaptive Traffic Control System OR Marks shall be allotted as below: Number of Projects Marks >= 3 Projects 10 2 Projects 8 1 Project 6	Refer Addendum for Vol -1
Vol.1	411	INTEC INFONET PVT. LTD.	Vol 1	Page 28, 2.29. Eligible Goods and Services, and OEM Criteria	e) OEM to give declaration that offered product will not be end of life for minimum of 24 months from the date of bidding and the support for such offered product/s will be available for minimum of 10 years from the date of bidding.	In vol 2., it is mentioned as follows: 4) OEM undertaking that the quoted product will not become end of sale within next 12 months. 5) OEM undertaking that the quoted product will not become end of support/end of life for next 5 years. We feel this is the point which needs to be followed since Vol II is for scope of work and technical specifications. Please clarify	Agreed. Bidder to Refer Addendum of Vol -1 "OEM to give declaration that offered product will not be end of life for minimum of 12 months from the date of bidding and the support for such offered product/s will be available for the period of 60 months from the date of Go-live."
Vol.1	569	INTEC INFONET PVT. LTD.	Vol 1	Project Key Personnel	Except for Project Director, all other proposed positions shall be Onsite throughout the entire project implementation phase.	It should as per the requirement of the project	Tender conditions shall prevail.

Vol.1	593	Esri India Technologies Limited	Vol-1 7.10. Manufacturers'/ Producers' Authorization Form	Page 82	We also confirm that our offered product will not be end of life for minimum of 24 months from the date of bidding and the support for such offered product/s will be available for minimum of 10 years from the date of bidding	The project duration including O&M is Go Live + 5years, kindly modify this to - support for such offered product/s or suitable upgrade will be available for minimum of 7 years from the date of bidding .	Refer Addendum for Vol -1
Vol.1	604	Integrated Systems & Services	Vol 1 3.5. Pre-Qualification Criteria SI No 1	33	Ref... Sheet attached herewith for details The Sole Bidder or Lead Bidder (in case of consortium) should be: • An Indian firm. • Registered under the Companies Act 1956/ 2013 • In operation in India for a period of at least 5 years as on date of bid submission. Consortium members: • Maximum three (3) companies are allowed in a consortium including Lead Bidder. • An Indian firm. • All members should be registered under the Companies Act 1956/ 2013 • In operation in India for a period of at least 3 years as on date of bid submission.	The Sole Bidder or Lead Bidder (in case of consortium) should be: • An Indian firm. • Registered under the Companies Act 1956/ 2013 • In operation in India for a period of at least 5 years as on date of bid submission. Consortium members: • Maximum three (3) companies are allowed in a consortium including Lead Bidder. • An Indian firm. • All members should be registered under the Companies Act 1956/ 2013 in case it is not a proprietary firm. • In operation in India for a period of at least 3 years as on date of bid submission.	Refer Addendum for Vol -1
Vol.1	605	Integrated Systems & Services	Vol 1 3.5. Pre-Qualification Criteria SI No 2	34	Ref... Sheet attached herewith for details A. The Sole Bidder shall have an average annual turnover of 250 Crore over the last three (3) financial years. o Lead Bidder should have minimum 60% of the Average Annual Turnover requirement o Each consortium member should have minimum 30% of the Average Annual Turnover requirement o All members together should meet 250 Crore Average Annual Turnover requirement B. Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 200 Crore from the "specific business areas" mentioned below over the last three financial years with lead bidder should have minimum 60% average annual turnover requirement. o ICT Infrastructure o IT system integration services	A. The Sole Bidder shall have an average annual turnover of 250 Crore over the last three (3) financial years. In case of consortium: • Lead Bidder should have minimum 60% of the Average Annual Turnover requirement • Each consortium member should have minimum 5 cores of Average Annual Turnover requirement • All members together should meet 250 Crore Average Annual Turnover requirement B. Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 200 Crore from the "specific business areas" mentioned below over the last three financial years with lead bidder should have minimum 60% average annual turnover requirement. . • ICT Infrastructure • IT system integration services • IT FMS • IT Infrastructure maintenance	Refer Addendum for Vol -1
Vol.1	606	Integrated Systems & Services	Vol 1 3.5. Pre-Qualification Criteria SI No 3	35	The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India.	The OEM/ Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India.	Refer Addendum for Vol -1

Vol.1	607	Integrated Systems & Services	Vol 1 3.5. Pre- Qualification Criteria SI No 9	36	The bidder (or any Consortium member) should have experience of setting up and Operation & Maintenance of Integrated command & control room/ emergency response centre /Security and Surveillance control room/ Surveillance control room built for Central / State Government Department or Central/State Public Sector Units (PSUs)/ Smart City and other Government establishment in India during last Seven (7) years as on Bid Submission date.	The OEM/ bidder (or any Consortium member) should have experience of setting up and Operation & Maintenance of Integrated command & control room/ emergency response centre /Security and Surveillance control room/ Surveillance control room built for Central / State Government Department or Central/State Public Sector Units (PSUs)/ Smart City and other Government establishment in India during last Seven (7) years as on Bid Submission date.	Refer Addendum for Vol -1
Vol.1	608	Awidit Systems Pvt. Ltd	Volume 1, 2.29. Eligible Goods and Services, and OEM Criteria,	28	General	Request the authorities to kindly allow some weightage to MSIs quoting competent MSMEs as OEM partner for Software provision.	Inclusion of MSMEs in Project Delivery is already provisioned in this tender document under clause# 2.28 of Volume-1.
Vol.1	652	Trafitek Solutions Private Limited	Vol-1	40	B3,Certifications The Sole Bidder or any consortium member (in case of consortium) having followings Valid certifications o ISO 20000(latest) for IT Service Management o ISO 27001(latest) for Information Security Management System o CMM level 3 or above certification	Kindly remove the clause as: Note: In case of Consortium, all the criteria should be met by a single member of the consortium. Also Request to remove CMM level 3 or above certification	Tender condition shall prevail
Vol.1	653	Trafitek Solutions Private Limited	Vol-1	34	2 B. Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 200 Crore from the "specific business areas" mentioned below over the last three financial years with lead bidder should have minimum 60% average annual turnover requirement. . o ICT Infrastructure o IT system integration services	Kindly amend the clause as: "2 B. Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 200 Crore from the "specific business areas" mentioned below over the last three financial years o ICT Infrastructure o IT system integration services"	Refer Addendum for Vol -1
Vol.1	654	Trafitek Solutions Private Limited	Vol-1	39	"A2 - Manpower Full time employee (FTE) on payroll of Sole bidder or Lead bidder (in case of consortium) working in the business unit providing "specific business areas" as mentioned in the above criteria as on date of release of RFP. Marks shall be allotted as given below:" Number of FTE Marks >500 FTE 4 >400 FTE to <=500 FTE 3 >300 FTE to <=400 FTE 2 =<300 FTE 1	"Kindly amend the clause as: ""A2 - Manpower Full time employee (FTE) on payroll of Sole bidder or Lead bidder (in case of consortium) as on date of release of RFP. Marks shall be allotted as given below:""" Number of FTE Marks >500 FTE 4 >400 FTE to <=500 FTE 3 >300 FTE to <=400 FTE 2 =<300 FTE 1	Refer Addendum for Vol -1

Vol.1	655	Trans Virtual Pvt Ltd.	Vol-1	Page 57, Table 1(Pre Qualification Requirements), SI No. 2 'A'	A. The Sole Bidder shall have an average annual turnover of INR 250 Crore over the last three (3) financial years. In case of consortium: o Lead Bidder should have minimum 60% of the Average Annual Turnover requirement o Each consortium member should have minimum 30% of the Average Annual Turnover requirement o All members together should meet INR 250 Crore Average Annual Turnover requirement	A. The Sole Bidder shall have an average annual turnover of INR 250 Crore over the last three (3) financial years. In case of consortium: o Lead Bidder should have minimum 60% of the Average Annual Turnover requirement o Each consortium member should have minimum 30% of the Average Annual Turnover requirement. In case, consortium member is MSME of same field then average annual turnover relaxation INR 20 Crores for each MSME (not lead bidder) for last 3 years o All members together should meet INR 250 Crore Average Annual Turnover requirement	Refer Addendum for Vol -1						
Vol.1	656	Trans Virtual Pvt Ltd.	Vol-1	Page 57, Table 1(Pre Qualification Requirements), SI No. 2 'B'	B. Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 200 Crore from the "specific business areas" mentioned below over the last three financial years with lead bidder should have minimum 60% average annual turnover requirement. o ICT Infrastructure o IT system integration services	B. Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 100 Crore from the "specific business areas" mentioned below over the last three financial years with lead bidder should have minimum 60% average annual turnover requirement. o ICT Infrastructure o IT system integration services	Refer Addendum for Vol -1						
Vol.1	659	Trans Virtual Pvt Ltd.	Vol-1	Page 40, Clause 3.6.1-Technical Bid Criteria and Evaluation. SI No. B2	Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project with the following components during last seven years (as on Bid Submission date) Components: Adaptive Traffic Control System AND Marks shall be allotted as below: Number of Projects Marks <table style="margin-left: 20px;"> <tr> <td>>= 3 Projects</td> <td>10</td> </tr> <tr> <td>2 Projects</td> <td>8</td> </tr> <tr> <td>1 Project</td> <td>6</td> </tr> </table>	>= 3 Projects	10	2 Projects	8	1 Project	6	The criteria should be made applicable to OEMs as it has been done for ICCC & VMS in Vol-1, Page 42, Clause 3.6.1-Technical Bid Criteria and Evaluation. SI No B.4.2 & B5	Refer Addendum for Vol -1
>= 3 Projects	10												
2 Projects	8												
1 Project	6												
Vol.1	660	Trans Virtual Pvt Ltd.	Vol-1	Page 39, Clause 3.6.1-Technical Bid Criteria and Evaluation.		Additional point to be added for experience of WAN network as the project is having large amount of backbone network scope given in the tender document	Refer Addendum for Vol -1						
Vol.1	661	Trans Virtual Pvt Ltd.	Vol-1	Page 39, Clause 3.6.1-Technical Bid Criteria and Evaluation.		Wireless Network is a crucial component for the project	Refer Addendum for Vol -1						

Vol.1	662	Trans Virtual Pvt Ltd.	Vol-1	Page 42, Clause 3.6.1-Technical Bid Criteria and Evaluation. Sl No. B6	The Sole Bidder or any consortium member (in case of consortium) have been awarded and successfully designed, executed & commissioned and Operation Maintenance of Data Centre Project for any State/Central Government Department or Central/State PSUs/Smart City in India of minimum value of INR 10 Crores per projects during last Seven (&) years (as on Bid Submission date)	The Sole Bidder or any consortium member (in case of consortium) have successfully designed, executed & commissioned and Operation Maintenance of Data Centre Project for any State/Central Government Department or Central/State PSUs/Smart City in India of minimum value of INR 5 Crores per projects during last Seven (&) years (as on Bid Submission date)	Refer Addendum for Vol -1
Vol.1	663	Globalrays Technologies	Volume 1: Instruction to Bidders 2.29. Eligible Goods and Services, and OEM Criteria	28	f) The proposed OEM should have installed base of at least 20% of the quoted product in terms of volume in a single project.	f) The proposed OEM should have installed base of at least 10% of the quoted product in terms of volume in a single project.	Tender conditions shall prevail.
Vol.1	664	Globalrays Technologies	Volume 1: Instruction to Bidders 2.29. Eligible Goods and Services, and OEM Criteria	28	o) OEM of all active IT components should have online portal to raise tickets for support and services.	The OEM of active IT components should have ticketing systems for suport calls	Tender conditions shall prevail
Vol.1	665	Globalrays Technologies	Volume 1: Instruction to Bidders 2.29. Eligible Goods and Services, and OEM Criteria	28	p) Product serial numbers of all IT active components should be available in the OEM's online portal for ease of call log, maintenance and support.	The OEM of active IT components should have ticketing systems for suport calls	Tender conditions shall prevail
Vol.1	666	Globalrays Technologies	Volume 1: Instruction to Bidders 2.29. Eligible Goods and Services, and OEM Criteria	28	q) OEM should have end user web interface to log case with product serial number.	The OEM of active IT components should have ticketing systems for suport calls	Tender conditions shall prevail
Vol.1	667	Globalrays Technologies	Volume 1: Instruction to Bidders 2.29. Eligible Goods and Services, and OEM Criteria	28	Additional Clause for Camera OEM Eligibility Criteria	Camera OEM should not be suspended/ blacklisted from ONVIF forum. As the integration of Camera with VMS will be on ONVIF only so ONVIF regular updates are essential and any member who is suspended will not get the updates	Tender conditions shall prevail

Vol.1	668	Globalrays Technologies	Volume 1: Instruction to Bidders 2.29. Eligible Goods and Services, and OEM Criteria	28	Additional Clause for Camera OEM Eligibility Criteria	All the cameras in the project should be from the same OEM for ease of Integration with VMS and other analytics	Tender conditions shall prevail.
Vol.1	734	Railtel Corporations of India Ltd	Vol 1	Page 28, 2.29. Eligible Goods and Services, and OEM Criteria	e) OEM to give declaration that offered product will not be end of life for minimum of 24 months from the date of bidding and the support for such offered product/s will be available for minimum of 10 years from the date of bidding.	In vol 2., it is mentioned as follows: 4) OEM undertaking that the quoted product will not become end of sale within next 12 months. 5) OEM undertaking that the quoted product will not become end of support/end of life for next 5 years. We feel this is the point which needs to be followed since Vol II is for scope of work and technical specifications. Please clarify	Agreed. Bidder to Refer Addendum of Vol 1. "OEM to give declaration that offered product will not be end of life for minimum of 12 months from the date of bidding and the support for such offered product/s will be available for the period of 60 months from the date of Go-live."
Vol.1	859	Siemens Limited India	Volume I, Clause 1. Introduction, Sub Clause 1.3: Bid Data Sheet, Serial Number 13	7	Last date and time for Submission of Pre-Bid Queries 22-06-2020 Up to 18.00 Hrs.	Please extend the last date of submission of queries by 7 days. The time of 10 days is very short to have a comprehensive analysis of the tender requirements and we need more time to talk with partners / sub-contractors to come out with further queries.	Tender conditions shall prevail
Vol.1	860	Siemens Limited India	Volume I, Clause 1. Introduction, Sub Clause 1.3: Bid Data Sheet, Serial Number 16	8	Last Date and time for on line submission of Bid 13-07-2020 Up to 15.00 Hrs.	As per the clause, online submission is scheduled on 13th July 2020. However, considering the current circumstances of COVID-19, we are all forced to work from home with limited access to stationary / scanner / printers. Hence we request you to kindly extend the date of submission by atleast 45 days.	Tender conditions shall prevail
Vol.1	861	Siemens Limited India	Volume I, Clause 1. Introduction, Sub Clause 1.4: Definitions/Acronyms, Serial Number 12: Consortium	9	Consortium : A consortium consists of multiple members (not more than Three parties - Lead Bidder + maximum 2 Consortium members) entering into a Consortium Agreement for a common objective of satisfying the Authority requirements & represented by lead member of the consortium, designated as a "Lead Bidder". Also, the responsibility for successful execution of the entire project will be that of the defined Lead bidder. The consortium members should have relevant experience of executing similar roles and responsibilities in past as stated in the MoU in Annexure 6. Parent company existence of Bidder/ Lead bidder would be considered for only 100% subsidiary/ division/ sub division/ branch business unit. For the purpose of technical evaluation, net worth and turnover of parent, associate or other related entity will not be considered.	Please confirm if the experience of Parent company/ Subsidiary /sister concern company is valid for the purpose of Technical Evaluation	Yes

Vol.1	862	Siemens Limited India	Volume I, Clause 1. Introduction, Sub Clause 1.4: Definitions/Acronyms, Serial Number 12: Consortium	9	Consortium : A consortium consists of multiple members (not more than Three parties - Lead Bidder + maximum 2 Consortium members) entering into a Consortium Agreement for a common objective of satisfying the Authority requirements & represented by lead member of the consortium, designated as a "Lead Bidder". Also, the responsibility for successful execution of the entire project will be that of the defined Lead bidder. The consortium members should have relevant experience of executing similar roles and responsibilities in past as stated in the MoU in Annexure 6. Parent company existence of Bidder/ Lead bidder would be considered for only 100% subsidiary/ division/ sub division/ branch business unit. For the purpose of technical evaluation, net worth and turnover of parent, associate or other related entity will not be considered.	Please change 100% subsidiary/divison/sub division/ branch business unit to 'majority shareholder' alternatively 'has controlling stake'	Tender conditions shall prevail.
Vol.1	863	Siemens Limited India	Volume I, Clause 2. Instruction to Bidders, Sub Clause 2.27: Sub-Contracting	27	Sub-Contracting The bidder shall not be allowed to sub-contract work, except for the following: a) Fiber optic network build, other cabling and fixtures work, and all civil work during implementation. b) Facility Management Staff at Command Control Center & City Operation Center. Sub-contracting shall be allowed only with prior written approval of Authority. However, even if the work is sub-contracted, the sole responsibility of the work shall lie with the lead bidder. The lead bidder shall be held responsible for any delay/error/non-compliance etc. of its sub-contracted vendor. The details of the sub-contracting agreements (if any) between both the parties would be required to be submitted to Authority.	Please clarify that the definition of Sub-Contracting does not refer to equipment individually, like CCTV, RLVD etc. We request you to also add "c.) Installaion, erection, cabling and commissioning support"	Tender conditions shall prevail
Vol.1	864	Siemens Limited India	Volume I, Clause 2. Instruction to Bidders, Sub Clause 2.29: Eligible Goods and Services, and OEM Criteria, h.)	28	The OEM for VMS proposed by the Bidder must be operational in minimum 2 City Surveillance projects in India with at least 1000 cameras in last 3 years as on date of submission of bid. Undertaking from OEM and successful completion/ installation report from client (State/ Central Government Department or Central/ State PSUs/ Smart City) needs to be submitted along with the bid documents.	We request you to please also consider outdoor projects like Airports, Metro, Railways and Large Campus	Refer Addendum for Vol -1
Vol.1	865	Siemens Limited India	Volume I, Clause 2. Instruction to Bidders, Sub Clause 2.29: Eligible Goods and Services, and OEM Criteria, h.)	28	The OEM for VMS proposed by the Bidder must be operational in minimum 2 City Surveillance projects in India with at least 1000 cameras in last 3 years as on date of submission of bid. Undertaking from OEM and successful completion/ installation report from client (State/ Central Government Department or Central/ State PSUs/ Smart City) needs to be submitted along with the bid documents.	We request you to allow Global project references to demonstrate the latest technology that can also be beneficial in the Indian context, which will be elaborated in the technical offer, which are also city wide command and control projects for city and government authorities	Refer Addendum for Vol -1

Vol.1	866	Siemens Limited India	Volume I, Clause 2. Instruction to Bidders, Sub Clause 2.29: Eligible Goods and Services, and OEM Criteria, i.)	28	The ICCC Solution proposed by the Bidder must be operational in minimum 2 City wide projects in India with at least 1000 cameras/sensors in last 3 years. Undertaking from OEM and successful completion/ installation report from client (State / Central Government Department or Central /State PSUs/ Smart City) needs to be submitted along with the bid documents.	We request you to please also consider outdoor projects like Airports, Metro, Railways and Large Campus	Projects under any government department/ agency shall be considered as specified in the criteria.
Vol.1	867	Siemens Limited India	Volume I, Clause 2. Instruction to Bidders, Sub Clause 2.29: Eligible Goods and Services, and OEM Criteria, i.)	28	The ICCC Solution proposed by the Bidder must be operational in minimum 2 City wide projects in India with at least 1000 cameras/sensors in last 3 years. Undertaking from OEM and successful completion/ installation report from client (State / Central Government Department or Central /State PSUs/ Smart City) needs to be submitted along with the bid documents.	We request you to allow Global project references to demonstrate the latest technology that can also be beneficial in the Indian context, which will be elaborated in the technical offer, which are also city wide command and control projects for city and government authorities	Tender conditions shall prevail.
Vol.1	868	Siemens Limited India	Volume I, Clause 3. Selection Process for Bidder, Sub Clause 3.5: Pre-Qualification Criteria, Serial No. 2B	34	<p>Eligibility Criteria: Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 200 Crore from the "specific business areas" mentioned below over the last three financial years with lead bidder should have minimum 60% average annual turnover requirement. .</p> <ul style="list-style-type: none"> o ICT Infrastructure o IT system integration services <p>Documentary Evidence: The Sole Bidder or the Lead Bidder and all other Members of Consortium should submit:</p> <ol style="list-style-type: none"> 1. Audited financial statements for the last three financial years 2. Certificate from the Statutory Auditor/ CA on turnover details from the "specific business areas" over the last three (3) financial years 	We request you to confirm that signaling/telecom projects in Airports, Metro, Railways and Large Campuses which are of a similar nature as ICT infrastructure or IT system integration services can also be considered for calculating average annual turnover from specific business areas	Refer Addendum for Vol -1

Vol.1	869	Siemens Limited India	Volume I, Clause 3. Selection Process for Bidder, Sub Clause 3.5: Pre-Qualification Criteria, Serial No. 8	35	<p>Eligibility Criteria: The bidder (or any Consortium member) should have experience of setting up and Operation & Maintenance of Data centre built for Central / State Government Department or Central/State Public Sector Units (PSUs)/ Smart City and other Government establishment in India during last Seven (7) years as on Bid Submission date</p> <p>Note: * In-house projects for their own corporation executed by the bidder shall not be considered for above purpose. * In case sole bidder/ lead bidder is a wholly owned subsidiary, the experience of parent company would be considered for eligibility.</p> <p>Documentary Evidence: Documentary evidence (Copy of completion/ Ongoing client certificate and Work Order/ Contract) Details on the supporting document requirement is provided below under Note (point 1 to 7)</p>	We request you to please consider Global project references	Refer Addendum for Vol -1
Vol.1	870	Siemens Limited India	Volume I, Clause 3. Selection Process for Bidder, Sub Clause 3.5: Pre-Qualification Criteria, Serial Number 9	36	<p>Eligibility Criteria: The bidder (or any Consortium member) should have experience of setting up and Operation & Maintenance of Integrated command & control room/ emergency response centre /Security and Surveillance control room/ Surveillance control room built for Central / State Government Department or Central/State Public Sector Units (PSUs)/ Smart City and other Government establishment in India during last Seven (7) years as on Bid Submission date.</p> <p>Documentary Evidence: Documentary evidence (Copy of completion/ Ongoing client certificate and Work Order/ Contract) Details on the supporting document requirement is provided below under Note (point 1 to 7)</p>	We request you to also consider Global references for outdoor projects like Airports, Metro, Railways and Large Campus	Refer Addendum for Vol -1
Vol.1	871	Siemens Limited India	Volume I, Clause 3. Selection Process for Bidder, Sub Clause 3.6.1: Technical Bid Criteria & Evaluation, Serial No. B1: City Surveillance Projects	40	<p>"The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on City surveillance with video analytics system of minimum value of INR 15 Crores during last seven years (as on Bid Submission date) per project. Marks shall be allotted as below: " Number of ProjectsMarks >=3 Projects15 2 Projects12 1 Projects10 "Maximum Marks allotted : 15 Supporting documents required: Sole Bidder or consortium Ref. Note 1 to 7 under section: 3.5 of RFP volume I"</p>	We request you to please consider Global project references	Refer Addendum for Vol -1

Vol.1	872	Siemens Limited India	Volume I, Clause 3. Selection Process for Bidder, Sub Clause 3.6.1: Technical Bid Criteria & Evaluation, Serial No. B2: Integrated Traffic Management System	40	<p>"The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project with the following components during last seven years (as on Bid Submission date)</p> <p>Components: * Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System AND * RLVD System / ANPR System</p> <p>Marks shall be allotted as below: " Number of ProjectsMarks >=3 Projects10 2 Projects8 1 Projects6</p> <p>"Maximum Marks allotted : 10</p> <p>Supporting documents required: Sole Bidder or consortium Ref. Note 1 to 7 under section: 3.5 of RFP volume I"</p>	We request you to please consider Global project references	Refer Addendum for Vol -1
Vol.1	873	Siemens Limited India	Volume I, Clause 3. Selection Process for Bidder, Sub Clause 3.6.1: Technical Bid Criteria & Evaluation, Serial No. B4.1: Design, Build and Maintenance of Integrated Command Control Center (Bidder Criteria)	41	<p>"The Sole Bidder or any consortium member (in case of consortium) have been awarded and successfully designed, executed & commissioned and Operation & Maintenance of Integrated command & control room/ emergency response centre /Security and Surveillance control room/ Surveillance control room built for any State/ Central Government Department or Central/ State PSUs/ Smart City in India of minimum value of INR 5 Crores per projects during last Seven (7) years (as on Bid Submission date) "</p> <p>Number of ProjectsMarks >=3 Projects5 2 Projects4 1 Projects3</p> <p>"Maximum Marks allotted : 5</p> <p>Supporting documents required: Sole Bidder or consortium Ref. Note 1 to 7 under section: 3.5 of RFP volume I"</p>	We request you to please consider Global project references	Refer Addendum for Vol -1

Vol.1	874	Siemens Limited India	Volume I, Clause 3. Selection Process for Bidder, Sub Clause 3.6.1: Technical Bid Criteria & Evaluation, Serial No. B4.2: Integrated Command and Control Centre Solution (OEM Criteria)	42	No. of projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the ICCS Solutions proposed by the Bidder is fully operational and integrated with multiple applications like Surveillance, ITMS etc. in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis. Maximum Marks allotted: 05 Supporting document required: Copy of Completion Certificates from Client mentioning name of CCC Software.	We request you to please consider Global project references	Refer Addendum for Vol -1
Vol.1	875	Siemens Limited India	Volume I, Clause 3. Selection Process for Bidder, Sub Clause 3.6.1: Technical Bid Criteria & Evaluation, Serial No. B5: VMS (OEM Criteria)	42	No. of Surveillance projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the VMS proposed by the Bidder is fully operational and integrated with Central Control Centre/ Room and consisting of at least 1000 IP CCTV Cameras in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis. Maximum Marks allotted: 05 Supporting document required: Copy of Completion Certificates from Client mentioning name of VMS Software.	We request you to please consider Global project references	Refer Addendum for Vol -1
Vol.1	876	Siemens Limited India	Volume I, Clause 3. Selection Process for Bidder, Sub Clause 3.6.1: Technical Bid Criteria & Evaluation, Serial No. B6: Design, Build and Maintenance of Data Centre	42	"The Sole Bidder or any consortium member (in case of consortium) have been awarded and successfully designed, executed & commissioned and Operation & Maintenance of Data Centre Project for any State/ Central Government Department or Central/ State PSUs/ Smart City in India of minimum value of INR 10 Crores per projects during last Seven (7) years (as on Bid Submission date) " Number of ProjectsMarks >=3 Projects5 2 Projects4 1 Projects3 "Maximum Marks allotted : 5 Supporting documents required: Sole Bidder or consortium Ref. Note 1 to 7 under section: 3.5 of RFP volume I"	We request you to please consider Global project references	Refer Addendum for Vol -1

Vol.1	877	Siemens Limited India	Volume I, Clause 3. Selection Process for Bidder, Sub Clause 3.6.3: Key Personnel Criteria, Serial No. 6: Integrated Traffic Management Expert	47	Integrated Traffic Management Expert a. Education: Full time M.Tech/ B.E./ B.Tech or Graduation/Post Graduation in Transportation from a reputed institute b. Total Experience: At least 10 years in IT sector c. Should have experience in designing & implementing Integrated Traffic Management system for minimum 2 projects.	We request you to please consider 'Total experience: At least 10 years in IT/Traffic Management sector'	Refer Addendum for Vol -1
Vol.3	897	Siemens Limited India	Volume 3/GCC Clause 14	17	SI shall bear all taxes and duties etc. levied or imposed on SI under the Contract including but not limited to, Customs duty, Excise duty, GST, , any other taxes and all Income Tax levied under Indian Income Tax Act – 1961 or any Corrigendum thereof during the entire contract period,	Please confirm if the Project qualifies under Project Import Benefit as per Chapter 98.01 of Customs Tariff Act to avail benefit of concessional rate of custom duty. Please confirm if the recommendation letter endorsed by Secretary of State Govt. under Project import regulations.	Needs to Discuss with GSCL
Vol.3	898	Siemens Limited India	Volume 3/GCC Clause 14	17	SI shall bear all taxes and duties etc. levied or imposed on SI under the Contract including but not limited to, Customs duty, Excise duty, GST, , any other taxes and all Income Tax levied under Indian Income Tax Act – 1961 or any Corrigendum thereof during the entire contract period,	Please confirm whether the contract qualifies as works contract in case Contract Price to be quoted inclusive of GST.	The Contract is the Works Contract. The rate quoted by the bidder should be inclusive of all taxes including Goods and Service Tax -GST
Vol.3	899	Siemens Limited India	Volume 3/GCC Clause 17.2	19	If the delay occurs due to circumstances beyond control of SI such as strikes, lockouts, fire, accident, defective materials, delay in approvals or any cause whatsoever beyond the reasonable control of SI, a reasonable extension of time shall be granted by the Authority.	In case of delays, we request you to reimburse the cost incurred by the contractor due to the delay	Tender Conditions shall prevail
Vol.3	900	Siemens Limited India	Volume 3/GCC Clause 22.4	21	Force Majeure shall not apply to any obligation of the Owner to make payments to the Contractor	In case of delays, we request you to reimburse the cost incurred by the contractor due to the delay	Refer Addendum for Vol -3
Vol.3	901	Siemens Limited India	Volume 3/GCC Clause 29	24	Limitation of Liability	Request to add the below clause in addition to the existing clauses: Maximum amount of total liability is upto 10% of Total Contract Amount	Refer Addendum for Vol -3
Vol.3	902	Siemens Limited India	General	24	Funding	It is requested to share the funding details of the Project.	Clarification may not be required., To be discussed with GSCL

Vol.1	904	NEC Technologies India Pvt. Ltd	Volume I, Section 3.5 Prequalification Criteria, Clause no. 3	35	The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India.	We request the following changes in the said clause:- The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 7 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India or abroad	Refer Addendum for Vol -1
Vol.1	905	NEC Technologies India Pvt. Ltd	Volume I, Section 3.5 Prequalification Criteria, Clause no. 8	35	The bidder (or any Consortium member) should have experience of setting up and Operation & Maintenance of Data centre built for Central / State Government Department or Central/State Public Sector Units (PSUs)/ Smart City and other Government establishment in India during last Seven (7) years as on Bid Submission date Note: bidder shall not be considered for above purpose. the experience of parent company would be considered for eligibility.	We request the following changes in the said clause:- The bidder (or any Consortium member) should have experience of setting up and Operation & Maintenance of Data centre built for Central / State Government Department or Central/State Public Sector Units (PSUs)/ Smart City and other Government establishment in India or abroad during last Seven (7) years as on Bid Submission date Note: bidder shall not be considered for above purpose. company/sister concern/ Group companies having same ultimate parent would be considered for eligibility.	Refer Addendum for Vol -1
Vol.1	906	NEC Technologies India Pvt. Ltd	Volume I, Section 3.5 Prequalification Criteria, Note -2	37	In case the experience shown is that of the bidder's parent / subsidiary /sister concern company, than the following additional documents are required: Auditor/2 Board of Directors of the bidder certifying that the entity whose experience is shown is parent/subsidiary/sister concern Company.	We request the following changes in the said clause:- In case the experience shown is that of the bidder's parent / subsidiary /sister concern / Group companies having same ultimate parent, than the following additional documents are required: Auditor/2 Board of Directors of the bidder certifying that the entity whose experience is shown is parent/subsidiary/sister concern Company.	Tender conditions shall prevail
Vol.1	907	NEC Technologies India Pvt. Ltd	Volume I, Section 3.5 Prequalification Criteria, Note -6	37	Bidders are allowed to submit experience in terms of technical qualification of their holding (parent) company or subsidiary company or Sister Concern only. a) a 'holding company', in relation to one or more other companies, means a company of such companies are subsidiary companies; and b) a 'subsidiary company' in relation to any other company (that is to say the holding company), means a company in which the holding company— (i) controls the composition of the Board of Directors; or (ii) exercises or controls more than one-half of the total share capital at its own c) a 'sister concern' in relation to Bidder Company, means a company whose holding company is same as bidder's holding company and holding company (i) controls the composition of the Board of Directors; or (ii) exercises or controls more than one-half of the total share capital at its own	Bidders are allowed to submit experience in terms of technical qualification of their holding (parent) company or subsidiary company or Sister Concern/ Group Companies having same ultimate parent only. a) a 'holding company', in relation to one or more other companies, means a company of such companies are subsidiary companies; and b) a 'subsidiary company' in relation to any other company (that is to say the holding company), means a company in which the holding company— (i) controls the composition of the Board of Directors; or (ii) exercises or controls more than one-half of the total share capital at its own c) a 'sister concern' in relation to Bidder Company, means a company whose holding company is same as bidder's holding company and holding company (i) controls the composition of the Board of Directors; or (ii) exercises or controls more than one-half of the total share capital at its own d) Group Companies having same ultimate parent	Tender conditions shall prevail

Vol.1	908	NEC Technologies India Pvt. Ltd	Volume I, Section 3.5 Prequalification Criteria, Note -7	38	In case where the bidder is dependent upon the technical experience of the subsidiary company or the parent company or the sister concern, with a view to ensure commitment and involvement of the parent/ subsidiary/sister company for successful execution of the contract, the participating bidder should enclose (i) an Agreement (as per format enclosed at Annexure 10 of this Volume) between the bidder and its parent / subsidiary/Sister concern company for fulfilling the obligation and deployment of expert during implementation phase for the Track/Component for which the experience is being used and (ii) Guarantee (as per format enclosed at Annexure 11 of this Volume) from the parent/ subsidiary/sister concern company in favor of GSCL.	In case where the bidder is dependent upon the technical experience of the subsidiary company or the parent company or the sister concern or group companies having same ultimate parent, with a view to ensure commitment and involvement of the parent/ subsidiary/sister company for successful execution of the contract, the participating bidder should enclose (i) an Agreement (as per format enclosed at Annexure 10 of this Volume) between the bidder and its parent / subsidiary/Sister concern company for fulfilling the obligation and deployment of expert during implementation phase for the Track/Component for which the experience is being used and (ii) Guarantee (as per format enclosed at Annexure 11 of this Volume) from the parent/ subsidiary/sister concern company in favor of GSCL an undertaking on their Parent's company letter head duly signed by its Statutory Auditor/Chartered Accountant/Company Secretary/Board of Director authorizing the bidder to use the technical experience of the parent / 100% subsidiary/Sister concern/Group Companies having ultimate parent as the case may be for Government of India projects.	Tender conditions shall prevail
Vol.1	909	NEC Technologies India Pvt. Ltd	Volume I, 3.5. Pre Qualification Criteria	36	Note: 1. Following documentary evidence (Citation, copy of completion / ongoing client certificate and work order/Contract/self- certificate) is required for all project experience from the Sole Bidder/ Consortium member	Kindly consider Certificate signed by the Company Secretary/statutory Auditor/certifying the project details, its value, completion status etc in absence of PO/Completion letter.	Refer Addendum for Vol -1
Vol.1	910	NEC Technologies India Pvt. Ltd	Volume I, 3.6.1 Technical Bid Criteria & Evaluation	40	B2 (Integrated Traffic Management System) : The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project with the following components during last seven years (as on Bid Submission date) Components: Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System AND RLVD System / ANPR System	ATCS and RLVD/ANPR system being two different technologies kindly allocate separate marking for ATCS and RLVD/ANPR. <u>OR</u> kindly Consider " Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System <u>OR</u> for 64 Junctions, considering the same please increase the minimum project value to 10 Cr. Also ATCS being a new technology and Guwahathi having larger no of junctions , kindly also consider ATCS OEM experience under this clause	Refer Addendum for Vol -1
Vol.1	911	NEC Technologies India Pvt. Ltd	3.6.1 Technical Bid Criteria & Evaluation	42	VMS (OEM Criteria)	ATCS being a important and crucial component, please include OEM criteria in Technical evaluation also and allocate suitable marks.	Tender conditions shall prevail.
Vol.1	912	NEC Technologies India Pvt. Ltd	3.6.1 Technical Bid Criteria & Evaluation	44	Proof of Concept (POC)	Please include PoC for ATCS solution also using Simulation Tool.	Tender conditions shall prevail.

Vol.1	913	NEC Technologies India Pvt. Ltd	3.6.1 Technical Bid Criteria & Evaluation Page 44	44	Proposed resources (Max. 10 marks)	Please consider ATCS Expert also from Bidder/OEM.	Tender conditions shall prevail.
Vol.3	921	NEC Technologies India Pvt. Ltd	Volume 3 43.6.4. City surveillance & ICT Component related performance levels	38	8. Bidder should keep minimum 10% spare at any given point of project execution. Infrastructure equipment should be replaced or repaired after complaint logging from Authority officials Measurement Tool: System generated call log at Helpdesk	ATCS Controllers is of high value item and also has MTBF more than 9 years. Hence 10% is not required. Instead kindly mention Sufficient spare to meet SLA or 10% minimum.	Refer Addendum for Vol -3
Vol.1	922	NEC Technologies India Pvt. Ltd	Vol 1; Cl. 4.6	51	The Employer will, if requested by the CONTRACTOR, make mobilization advance payments of 10(%) percent of the Awarded Contract Value to the CONTRACTOR to assist in defraying the initial expenses that will necessarily be incurred by the CONTRACTOR for mobilization and design. The Mobilization Advance will be given to the CONTRACTOR with Simple Interest of 10 % (Percent) per annum.	Request for interest free advance.	Response to this query provided above may be referred.

Vol.3	923	NEC Technologies India Pvt. Ltd	Vol 3; Cl.13	16	<p>Intellectual Property Rights</p> <p>13.1. Retention of Ownership except for the rights expressly granted to the Licensee under this Agreement, the Licensor shall retain all right, title and interest in and to the Licensed Technology, including all worldwide Technology and intellectual property and proprietary rights.</p> <p>13.2. Preservation of Notice Licensee shall not remove, efface or obscure any copyright notices or other proprietary notices or legends from any Licensed Technology or materials provided under this Agreement, and shall reproduce all such notices and legends when incorporating Licensed Technology or materials into any Integrated Products.</p> <p>13.3. SI must ensure that while using any software, hardware, processes, document or material in the course of performing the Services, it does not infringe the Intellectual Property Rights of any person/Company. SI shall keep the Authority indemnified against all costs, expenses and liabilities howsoever, arising out any illegal or unauthorized use (piracy) or in connection with any claim or proceedings relating to any breach or violation of any permission/license terms or infringement of any Intellectual Property Rights by SI or SI's Team during the course of performance of the Services. SI's liability is excluded regarding any claim based on any of the following (a) anything Authority provides which is incorporated into the Solution; (b) the Authority's modification of the solution;</p> <p>13.4. Authority shall own and have a right in perpetuity to use all newly created Intellectual Property Rights which have been developed solely during execution of this Contract, including but not limited to all processes, products, specifications, reports and other documents which have been newly created and developed by SI solely during the performance of Services and for the</p>	<p>we understand this clause is not applicable for Core IPR of any product. Please clarify.</p>	<p>Refer Addendum for Vol -3</p>
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Vol.3	924	NEC Technologies India Pvt. Ltd	Vol 3; Cl.15	18	<p>15. Indemnity</p> <p>15.1. SI shall indemnify the Authority from and against any costs, loss, damages, expense, claims including those from third parties or liabilities of any kind howsoever suffered, arising or incurred inter alia during and after the Contract period out of:</p> <p>a. any negligence or wrongful act or omission by SI or any third party associated with SI in connection with or incidental to this Contract; or</p> <p>b. any breach of any of the terms of SI's bid as agreed, the RFP and this Contract by SI</p> <p>c. any infringement of patent, trademark/copyright or industrial design rights arising from the use of the supplied goods and related services or any part thereof</p> <p>15.2. SI shall also indemnify the Authority against any privilege, claim or assertion made by a third party with respect to right or interest in, ownership, mortgage or disposal of any asset, property etc.</p> <p>15.3. Regardless of anything contained (except for SI's liability for bodily injury and/ or damage to tangible and real property for which it is legally liable and its liability for patent and copyright infringement in accordance with the terms of this Agreement) the total liability of SI, is restricted to the total value of the contract and SI is not responsible for any third party claims</p>	<p>1. Limitation of Liability shall be capped at 100% of Contract Value.</p> <p>2. Request you to delete all Carve Out/ Exclusions from Limitation of Liability</p> <p>3. Either party under no legal theory shall have right to claim for consequential losses and damages</p>	Refer Addendum for Vol -3
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Vol.3	925	NEC Technologies India Pvt. Ltd	Vol 3; Cl.22	21	<p>22. Force Majeure</p> <p>22.1. Force Majeure shall not include any events caused due to acts/ omissions of SI resulting in a breach/ contravention of any of the terms of the Contract and/or SI's Bid. It shall also not include any default on the part of SI due to its negligence or failure to implement the stipulated/ proposed precautions, as were required to be taken under the Contract.</p> <p>22.2. The failure or occurrence of a delay in performance of any of the obligations of either party shall constitute a Force Majeure event only where such failure or delay could not have reasonably been foreseen i.e. war, or hostility, acts of the public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restriction, strikes, lockouts or act of God (hereinafter referred to as events) , or where despite the presence of adequate and stipulated safeguards the failure to perform obligations has occurred at any location in scope. In such an event, the affected party shall inform the other party in writing within five days of the occurrence of such event. Any failure or lapse on the part of SI in performing any obligation as is necessary and proper, to negate the damage due to projected force majeure events or to mitigate the damage that may be caused due to the above mentioned events or the failure to provide adequate disaster management/ recovery or any failure in setting up a contingency mechanism would not constitute force majeure, as set out above.</p> <p>22.3. In case of a Force Majeure, all Parties shall endeavour to agree on an alternate mode of performance in order to ensure the continuity of service and implementation of the obligations of a party under the Contract and to minimize any adverse consequences of Force Majeure.</p> <p>22.4. Force Majeure shall not apply to any obligation of the Owner to make payments to the Contractor</p>	<p>Request you to incorporate the following</p> <ul style="list-style-type: none"> • Request to add events beyond the control of either Party or both the Parties. • Right of EOT and price implication • Both the parties shall have termination rights to both the parties for prolonged suspension due to FM conditions for period more than 60 days continuous and / or 90 days cumulative. • In case of termination SI shall be entitled to be paid for work completed and work in progress 	Refer Addendum for Vol -3
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Vol.3	926	NEC Technologies India Pvt. Ltd	Vol 3; Cl.24	22	<p>24. Insurance</p> <p>24.1. The Goods supplied under this Contract shall be comprehensively insured by SI at his own cost, against any loss or damage, for the entire period of the contract. SI shall submit to the Authority, documentary evidence issued by the insurance company, indicating that such insurance has been taken.</p> <p>24.2. SI shall bear all the statutory levies like customs, insurance, freight, etc. applicable on the goods and also the charges like transportation charges, octroi, etc. that may be applicable till the goods are delivered at the respective sites of installation shall also be borne by SI.</p> <p>24.3. SI shall take out and maintain at its own cost, on terms and conditions approved by the Authority, insurance against the risks, and for the coverages, as specified below;</p> <p>a. At the Authority's request, shall provide evidence to the Authority showing that such insurance has been taken out and maintained and that the current premiums therefore have been paid.</p> <p>b. Employer's liability and workers' compensation insurance in respect of the Personnel of the Company, in accordance with the relevant provisions of the Applicable Law as well as, with respect to such Personnel, any such life, health, accident, travel or other insurance as may be appropriate</p>	SI shall undertake comprehensive insurance cover valid till scheduled completion period, in case of extension of time for reasons not attributable to SI, period of cover shall be extended by SI at the cost of GSCL.	Refer Addendum for Vol -3
Vol.3	927	NEC Technologies India Pvt. Ltd	Vol 3; Cl.25	22	<p>25. Transfer of Ownership</p> <p>25.1. SI must transfer all titles to the assets and goods procured for the purpose of the project to the Authority at the time of Acceptance of System. This includes all licenses, titles, source code, certificates, hardware, devices, equipment's etc. related to the system designed, developed, installed and maintained by SI. SI is expected to provide source code, transfer IPR and ownership right of only those solutions which would be customized by bidder for the use of Guwahati Smart City Limited. For any pre-existing work, SI and Guwahati Smart City Limited shall be held jointly responsible and its use in any other project by SI shall be decided on mutual consent.</p> <p>25.2. Forthwith upon expiry or earlier termination of the Contract and at any other time on demand by the Authority, SI shall deliver to the Authority all Documents provided by or originating from the Authority and all Documents produced by or from or for SI in the course of performing the Services, unless otherwise directed in writing by the Authority at no additional cost. SI shall not, without the prior written consent of the Authority store, copy, distribute or retain any such Documents</p>	IP rights cannot be transferred or assigned in manner to GSCL.	Refer Addendum for Vol -3

Vol.3	928	NEC Technologies India Pvt. Ltd	Vol 3; CL28	24	<p>28. Liquidated Damages:</p> <p>28.1. If SI fails to supply, install or maintain any or all of the goods as per the contract, within the time period(s) specified in the RFP Vol II, the Authority without prejudice to its other rights and remedies under the Contract, deduct from the Contract price, as liquidated damages, a sum equivalent to 0.1 % per week or part thereof of contract value for a milestone/quarter.</p> <p>28.2. The deduction shall not in any case exceed 10 % of the contract value.</p> <p>28.3. The Authority may without prejudice to its right to effect recovery by any other method, deduct the amount of liquidated damages from any money belonging to SI in its hands (which includes the Authority's right to claim such amount against SI's Bank Guarantee) or which may become due to SI. Any such recovery or liquidated damages shall not in any way relieve SI from any of its obligations to complete the Work or from any other obligations and liabilities under the Contract.</p> <p>28.4. Delay not attributable to SI shall be considered for exclusion for the purpose of computing liquidated damages.</p>	<p>1. Request you to cap the overall LD for delay in completion at 5% of the Contract Value.</p> <p>2. Request you to add the following wordings "Levy of LD shall be sole and exclusive remedy available to GSCL."</p>	Refer Addendum for Vol -3
Vol.3	929	NEC Technologies India Pvt. Ltd	Vol 3; CL29	24	<p>29. Limitation of Liability:</p> <p>Limitation of Bidder's Liability towards the Authority:</p> <p>29.1. Neither Party shall be liable to the other Party for any indirect or consequential loss or damage (including loss of revenue and profits) arising out of or relating to the Contract.</p> <p>29.2. Except in case of gross negligence or wilful misconduct on the part of SI or on the part of any person or company acting on behalf of SI in carrying out the Services, SI, with respect to damage caused by SI to Authority's property, shall not be liable to Authority: (i) for any indirect or consequential loss or damage; and (ii) for any direct loss or damage that exceeds (A) the total payments payable under the Contract to SI hereunder, or (B) the proceeds SI may be entitled to receive from any insurance maintained by SI to cover such a liability, whichever of (A) or (B) is higher.</p> <p>29.3. This limitation of liability shall not affect SI liability, if any, for damage to Third Parties caused by SI or any person or company acting on behalf of SI in carrying out the Services</p>	<ul style="list-style-type: none"> • Limitation of Liability shall be capped at 100% of Contract Value. • Request you to delete all the Carve Out/ Exclusions from Limitation of Liability • Either party under no legal theory shall have right to claim for consequential losses and damages 	Refer Addendum for Vol -3
Vol.1	930	NEC Technologies India Pvt. Ltd	2.29. Eligible Goods and Services, and OEM Criteria	27	OEM Criteria	ATCS being a important component of the RFP, you are requested to please include suitable OEM criteria of ATCS.	Tender conditions shall prevail.

Vol.1	931	NEC Technologies India Pvt. Ltd	2.29. Eligible Goods and Services, and OEM Criteria	28	The OEM of each product or technology should have valid quality certifications like ISO 9001.	ATCS being a engineering tool, you are requested to onsider CMML3 for Traffic Controller OEM.	Agreed. Bidder to ReferAddendum of Vol 1 "The OEM of each product or technology should have valid quality certifications like ISO 9001 or CMMI Level 3 or better."
Vol.1	932	NEC Technologies India Pvt. Ltd	3.5. Pre-Qualification Criteria	33	The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India.	On page No 37 of Volume one, International Projects have been made acceptable. Kindly consider Global experience in PQ criteria Also. ATCS being a new technology and Guwahathi having larger no of junctions , kindly also consider ATCS OEM experience under this clause. Also consider "Adaptive Traffic Singal Control " in place of Traffic signal Control.	Refer Addendum for Vol -1
Vol.1	933	NEC Technologies India Pvt. Ltd	3.5. Pre-Qualification Criteria P	36	The bidder (or any Consortium member) should have experience of setting up and Operation & Maintenance of Integrated command & control room/ emergency response centre /Security and Surveillance control room/ Surveillance control room built for Central / State Government Department or Central/State Public Sector Units (PSUs)/ Smart City and other Government establishment in India during last Seven (7) years as on Bid Submission date.	On page No 37 of Volume one, International Projects have been made acceptable. Kindly consider Global experience in PQ criteria Also.	Tender conditions shall prevail.
Vol.1	934	NEC Technologies India Pvt. Ltd	3.5. Pre-Qualification Criteria	36	Note: 1. Following documentary evidence (Citation, copy of completion / ongoing client certificate and work order/Contract/self- certificate) is required for all project experience from the Sole Bidder/ Consortium member	Kindly consider Certificate signed by the Company Secretary/statutory Auditor/certifying the project details, its value, completion status etc in absence of PO/Completion letter.	Refer Addendum for Vol -1
Vol.1	935	Astrikos Consulting private limited	Vol1, 2.29, Eligible Goods and Services, and OEM Criteria	28	e) OEM to give declaration that offered product will not be end of life for minimum of 24 months from the date of bidding and the support for such offered product/s will be available for minimum of 10 years from the date of bidding.	Please modify as "e) OEM to give declaration that offered product will not be end of life for minimum of 24 months from the date of bidding and the support for such offered product/s will be available for the period of 60 months from the date of Go-live."	Agreed. "OEM to give declaration that offered product will not be end of life for minimum of 12 months from the date of bidding and the support for such offered product/s will be available for the period of 60 months from the date of Go-live."
Vol.1	936	Astrikos Consulting private limited	Vol1, 7.10, Manufacturers' P roducers' Authorization Form	82	The support for such offered product/s will be available for minimum of 10 years from the date of bidding	Please modify as "The support for such offered product/s will be available for the period of 60 months from the date of Go-live"	Refer Addendum of Vol 1

Vol.1	989	eCentric Solutions Private Limited	Vol 1	Page 28, 2.29. Eligible Goods and Services, and OEM Criteria	e) OEM to give declaration that offered product will not be end of life for minimum of 24 months from the date of bidding and the support for such offered product/s will be available for minimum of 10 years from the date of bidding.	In vol 2., it is mentioned as follows: 4) OEM undertaking that the quoted product will not become end of sale within next 12 months. 5) OEM undertaking that the quoted product will not become end of support/end of life for next 5 years. We feel this is the point which needs to be followed since Vol II is for scope of work and technical specifications. Please clarify	Agreed. "OEM to give declaration that offered product will not be end of life for minimum of 12 months from the date of bidding and the support for such offered product/s will be available for the period of 60 months from the date of Go-live."
Vol.1	1114	Shapoorji Pallonji & Co. Pvt. Ltd.	Volume I, Clause no. 2.8	Page no. 16	The bid document must be accompanied by the Earnest Money Deposit of Rs. 2,59,00,000/- (Rupees Two Crore, Fifty-Nine Lakhs only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank.	The bid document must be accompanied by the Earnest Money Deposit of Rs. 2,59,00,000/- (Rupees Two Crore, Fifty-Nine Lakhs only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS/Bank Guarantee in case of offline payment from any Bank. Kindly allow EMD in the form of Bank Guarantee as well	Refer Addendum for Vol -1
Vol.1	1115	Shapoorji Pallonji & Co. Pvt. Ltd.	Volume I, Clause no. 2.8	Page no. 16	The bid document must be accompanied by the Earnest Money Deposit of Rs. 2,59,00,000/- (Rupees Two Crore, Fifty-Nine Lakhs only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank.	Please confirm what is correct EMD amount as per Clause no. 2.8 or Bid data sheet	Refer Addendum for Vol -1
Vol.1	1116	Shapoorji Pallonji & Co. Pvt. Ltd.	Volume I, Clause 1.3 Bid data sheet, Point no. 12	Page no. 7	Bid Security/Earnest Money Deposit (EMD) INR 2,15,00,000/- (INR. Two Crore, Fifteen Lakhs only) online deposit through e Procurement porta	Please confirm what is correct EMD amount	Refer Addendum for Vol -1
Vol.1	1117	Shapoorji Pallonji & Co. Pvt. Ltd.	Volume I, Clause 3.6.1 Technical Bid Criteria & Evaluation	Page no. 39	MANPOWER: Full time employee (FTE) on payroll of Sole bidder or Lead bidder (in case of consortium) working in the business unit providing "specific business areas" as mentioned in the above criteria as on date of release of RFP. Marks shall be allotted as given below: Number of FTE Marks >500 FTE 4 marks >400 FTE to <=500 FTE 3 marks >300 FTE to <=400 FTE 2 marks <=300 FTE 1 marks	MANPOWER: Full time employee (FTE) on payroll of Sole bidder or Lead bidder (in case of consortium) working in the business unit providing "specific business areas" as mentioned in the above criteria as on date of release of RFP. Marks shall be allotted as given below: Number of FTE Marks >200 FTE 4 marks >150 FTE to <=200 FTE 3 marks >100 FTE to <=150 FTE 2 marks <=100 FTE 1 marks	Refer Addendum for Vol -1

Vol.1	1120	Honeywell Automation India Limited	Volume I, 3.5. Pre-Qualification Criteria	35 of 104	<p>3. The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India.</p> <p>Documentary evidence (Copy of completion/ Ongoing client certificate and Work Order/ Contract) Details on the supporting document requirement is provided below under Note (point 1 to 7)</p>	<p>Request to amend a follows: The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 5 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City/ cities in India.</p> <p>Documentary evidence (Copy of completion/ Ongoing client certificate/ <u>CA Certificate</u> and Work Order/ Contract) Details on the supporting document requirement is provided below under Note (point 1 to 7).</p>	Refer Addendum for Vol -1
Vol.1	1121	Honeywell Automation India Limited	Volume I, 3.5. Pre-Qualification Criteria	35 of 104	<p>The bidder (or any Consortium member) should have experience of setting up and Operation & Maintenance of Data centre built for Central / State Government Department or Central/State Public Sector Units (PSUs)/ Smart City and other Government establishment in India during last Seven (7) years as on Bid Submission date</p> <p>Note: executed by the bidder shall not be considered for above purpose. subsidiary, the experience of parent company would be considered for eligibility.</p> <p>Documentary evidence (Copy of completion/ Ongoing client certificate and Work Order/ Contract) Details on the supporting document requirement is provided below under Note (point 1 to 7)</p>	<p>Request to ammend as follows: The bidder (or any Consortium member) should have experience of setting up and Operation & Maintenance of Data centre built for Central / State Government Department or Central/State Public Sector Units (PSUs)/ Smart City and other Government establishment in India during last Seven (7) years as on Bid Submission date</p> <p>Note: executed by the bidder shall not be considered for above purpose. subsidiary, the experience of parent company would be considered for eligibility.</p> <p>Documentary evidence (Copy of completion/ Ongoing client certificate/ <u>CA Certificate</u> and Work Order/ Contract) Details on the supporting document requirement is provided below under Note (point 1 to 7)</p>	Refer Addendum for Vol -1
Vol.1	1122	Honeywell Automation India Limited	Volume I, 3.6.1 Technical Bid Criteria & Evaluation	41 of 104	<p>B3. The Sole Bidder or any consortium member (in case of consortium) having followings Valid certifications System Profile Three of the above-5 Marks Any two of the above- 4 Marks Any one of the above- 3 Marks</p>	<p>Request to amend a follows: B3. The Sole Bidder or any consortium member (in case of consortium) or subsidiaries of Ultimate Parent Company having the followings Valid certifications * ISO 9000: 2015 / ISO 14000: 2015 * ISO 20000(latest) for IT Service Management/ ISO 27001(latest) for Information Security Management System * CMM level 3 or above certification Profile Any Two of the above-5 Marks Any One of the above- 4 Marks</p>	Refer Addendum for Vol -1

Vol.1	1123	Honeywell Automation India Limited	Volume I, 3.6.1 Technical Bid Criteria & Evaluation	42 of 104	B4.2 Integrated Command and Control Centre Solution (OEM Criteria) No. of projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the ICCCC Solutions proposed by the Bidder is fully operational and integrated with multiple applications like Surveillance, ITMS etc. in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis. Max marks allotted- 5 Copy of Completion Certificates from Client mentioning name of CCC Software.	Request to amend a follows: B4.2 Integrated Command and Control Centre Solution (OEM Criteria) No. of projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the ICCCC Solutions proposed by the Bidder is fully operational and integrated with multiple applications like Surveillance, ITMS etc. in last 5 years as on date of submission of bid. Marking will be done on Pro-rata basis. Max marks allotted- 5 Copy of Completion Certificates from Client mentioning name of CCC Software. In case of ongoing project, self-declaration by bidder/ OEM mentioning project status & name of CCC software	Refer Addendum for Vol -1
Vol.1	1124	Honeywell Automation India Limited	Volume I, 3.6.1 Technical Bid Criteria & Evaluation	42 of 104	B4.2 Integrated Command and Control Centre Solution (OEM Criteria) No. of projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the ICCCC Solutions proposed by the Bidder is fully operational and integrated with multiple applications like Surveillance, ITMS etc. in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis. Max marks allotted- 5 Copy of Completion Certificates from Client mentioning name of CCC Software.	Kindly confirm: Please provide marks allotment details per project & how many maximum projects required to be submitted	Refer Addendum for Vol -1
Vol.1	1125	Honeywell Automation India Limited	Volume I, 3.6.1 Technical Bid Criteria & Evaluation	42 of 104	B4.3 No. of Surveillance projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the VMS proposed by the Bidder is fully operational and integrated with Central Control Centre/ Room and consisting of at least 1000 IP CCTV Cameras in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis.	Request to amend a follows: B4.3 No. of Surveillance projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the VMS proposed by the Bidder is fully operational and integrated with Central Control Centre/ Room and consisting of at least 1000 IP CCTV Cameras in last 5 years as on date of submission of bid. Marking will be done on Pro-rata basis. Copy of Completion Certificates from Client mentioning name of VMS Software. In case of ongoing project, self declaration by bidder/OEM mentioning project status along-with name of VMS software	Refer Addendum for Vol -1
Vol.1	1126	Honeywell Automation India Limited	Volume I, 3.6.1 Technical Bid Criteria & Evaluation	42 of 104	B4.3 No. of Surveillance projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the VMS proposed by the Bidder is fully operational and integrated with Central Control Centre/ Room and consisting of at least 1000 IP CCTV Cameras in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis.	Please provide marks allotment details per project & how many maximum projects required to be submitted	Refer Addendum for Vol -1
Vol.1	1127	Honeywell Automation India Limited	Volume I, 3.6.1 Technical Bid Criteria & Evaluation	42 of 104	B6 Sole Bidder or consortium Ref. Note 1 to 7 under section: 3.5 of RFP volume I	We understand for ongoing large projects, CA certificate to be submitted mentioning status of the project instead of ongoing client certificate. <u>Please confirm.</u>	Refer Addendum for Vol -1

Vol.1	1128	Honeywell Automation India Limited	Volume I, 3.6.1 Technical Bid Criteria & Evaluation	39 of 104	A2 Sole Bidder or consortium Certificate from the Head of HR Department or equivalent on bidding entity's letter head countersigned by authorized signatory for this bid holding written special power of attorney on stamp paper	Request to amend as follows: A2 Sole Bidder or consortium Certificate from the Head of HR Department or Bidder's authorized signatory or equivalent on bidding entity's letter head countersigned by authorized signatory for this bid holding written special power of attorney on stamp paper	Refer Addendum for Vol -1
Vol.1	1129	Honeywell Automation India Limited	Volume I, 3.6.3 Key Personnel Criteria	46 of 104	6. Integrated Traffic Management Expert – 1 mark a. Education: Full time M.Tech/ B.E./ B.Tech or Graduation/Post Graduation in Transportation from a reputed institute b. Total Experience: At least 10 years in IT sector c. Should have experience in designing & implementing Integrated Traffic Management system for minimum 2 projects.	Request to amend as follows: 6. Integrated Traffic Management Expert – 1 mark a. Education: Full time M.Tech/ B.E./ B.Tech or Graduation/Post Graduation from a reputed institute b. Total Experience: At least 10 years in IT sector c. Should have experience in designing & implementing Integrated Traffic Management system for minimum 2 projects.	Refer Addendum for Vol -1
Vol.1	1134	Honeywell Automation India Limited	Volume I, 2.29. Eligible Goods and Services, and OEM Criteria	28 of 100	o)OEM of all active IT components should have online portal to raise tickets for support and services p) Product serial numbers of all IT active components should be available in the OEM's online portal for ease of call log, maintenance and support.	We understand this clause is applicable for IT components OEMs only- Router, switches, Servers & storage. Please confirm	Bidder's understanding is correct
Vol.1	1135	Honeywell Automation India Limited	Volume I, 5.2.2.1 Integrated Command Control Platform	117 of 400	oSmart City Platform/Software provider shall be reputed company and Member of Smart Cities Council or Navigant Research Report for Smart Cities Suppliers.	Request to amend this clause as follows as: oSmart City Platform/Software provider shall be reputed company and Member of Smart Cities Council or Navigant Research Report for Smart Cities Suppliers OR OEM should have atleast 5 smart city projects in India/abroad. Self declaration to be submitted by the OEM for the same.	Refer Addendum for Vol -1
Vol.3	1138	Honeywell Automation India Limited	vol.3- 11.7	18	11.7. Site Not Ready: Authority hereby agrees to make the project sites ready as per the agreed specifications, within the agreed timelines. Authority agrees that SI shall not be in any manner liable for any delay arising out of Authority's failure to make the site ready within the stipulated period.	Request to amend this clause as follows: 11.7. Site Not Ready: Authority hereby agrees to make the project sites ready as per the agreed specifications, within the agreed timelines. Authority agrees that SI shall not be in any manner liable for any delay arising out of Authority's failure to make the site ready within the stipulated period and MSI shall be entitled to mutually agreed delay cost.	Tender conditions shall prevail

Vol.3	1139	Honeywell Automation India Limited	vol.3- 13	19	13. Intellectual Property Rights	Request to amend this clause as follows MSI hereby grants to Authority a non-exclusive, non-sub licensable and perpetual license and right to use the deliverables, formats, material and the documentation solely for Authority's own internal business operations as set forth under the this Agreement. MSI's software license under this Agreement does not include the right to (a) sell, lease, exchange, mortgage, pledge, license, sub-license, assign or in any other way convey, transfer or alienate MSI property in favour of any person (either for commercial consideration or not (including by way of transmission) and/or (b) reverse compile or in any other way arrive at or attempt to arrive at the source code of the MSI property. All the software licenses and warranties pertaining to any software and/or hardware supplied under this agreement shall be as per MSI's license terms and conditions and/or End User License Agreement	Refer Addendum for Vol -3
Vol.3	1140	Honeywell Automation India Limited	vol.3- 15	21	15. Indemnity 15.1. SI shall indemnify the Authority from and against any costs, loss, damages, expense, claims including those from third parties or liabilities of any kind howsoever suffered, arising or incurred inter alia during and after the Contract period out of: a. any negligence or wrongful act or omission by SI or any third party associated with SI in connection with or incidental to this Contract; or b. any breach of any of the terms of SI's did as agreed, the RFP and this Contract by SI c. any infringement of patent, trademark/copyright or industrial design rights arising from the use of the supplied goods and related services or any part thereof 15.2. SI shall also indemnify the Authority against any privilege, claim or assertion made by a third party with respect to right or interest in, ownership, mortgage or disposal of any asset, property etc. 15.3. Regardless of anything contained (except for SI's liability for bodily injury and/ or damage to tangible and real property for which it is legally liable and it's liability for patent and copyright infringement in accordance with the terms of this Agreement) the total liability of SI, is restricted to the total	Request to amend this clause as follows 15. Indemnity 15.1. SI shall indemnify the Authority from and against any costs, loss, damages, expense, claims including those from third parties or liabilities of any kind howsoever suffered, arising or incurred inter alia during and after the Contract period out of: a. any gross negligence or wrongful act or omission by SI or any third party associated with SI in connection with or incidental to this Contract; or b. any breach of any of the terms of SI's did as agreed, the RFP and this Contract by SI c. any infringement of patent, trademark/copyright or industrial design rights arising from the use of the supplied goods and related services or any part thereof 15.2. SI shall also indemnify the Authority against any privilege, claim or assertion made by a third party with respect to right or interest in, ownership, mortgage or disposal of any asset, property etc. 15.3. Regardless of anything contained (except for SI's liability for bodily injury for which it is legally liable and it's liability for patent and copyright infringement in accordance with the terms of this Agreement) the total liability of SI, is restricted to the total value of the contract and SI is not responsible for any third party	Refer Addendum for Vol -3

Vol.3	1141	Honeywell Automation India Limited	vol.3- 17.4	23	17.4. Where the Authority is of the view that no further extension of the term be granted to SI, the Authority shall notify SI of its decision at least 3 (three) months prior to the expiry of the Term. Upon receipt of such notice, SI shall continue to perform all its obligations hereunder, until such reasonable time beyond the Term of the Contract within which, the Authority shall either appoint an alternative agency/SI or create its own infrastructure to operate such Services as are provided under this Contract.	Please delete this clause	Tender conditions shall prevail
Vol.3	1142	Honeywell Automation India Limited	vol.3- 22	25	22. Force Majeure	Please include as follows: Vandalism and terrorism as Force Majeure. Notwithstanding anything to the contrary, in light of the COVID-19 pandemic, the effects of which cannot be foreseen, the parties agree that parties shall consider this event as Force Majeure under the terms of this contract.	Refer Addendum for Vol -3
Vol.3	1143	Honeywell Automation India Limited	vol.3- 26	27	26. Exit Management Plan	Please include as follows: :Exit management hereof shall not affect any accrued right or liability of either Party nor affect operation of provisions of Contract that are expressly or by implication intended to come into or continue in force on or after such exist management.	Tender condtions shall prevail
Vol.3	1144	Honeywell Automation India Limited	vol.3- 28	29	28.2. The deduction shall not in any case exceed 10 % of the contract value.	Request to amend as: to be capped at 5 % of the Contract Value.	Tender conditions shall prevail

Vol.3	1145	Honeywell Automation India Limited	vol.3- 29	29	<p>29. Limitation of Liability: Limitation of Bidder's Liability towards the Authority: 29.1. Neither Party shall be liable to the other Party for any indirect or consequential loss or damage (including loss of revenue and profits) arising out of or relating to the Contract. 29.2. Except in case of gross negligence or wilful misconduct on the part of SI or on the part of any person or company acting on behalf of SI in carrying out SI, with respect to damage caused by SI to Authority's property, shall not be liable to Authority: (i) for any indirect or consequential loss or damage; and (ii) for any direct loss or damage that exceeds (A) the total payments payable under the Contract to SI hereunder, or (B) the proceeds SI may be entitled to receive from any insurance maintained by SI to cover such a liability, whichever of (A) or (B) is higher. 29.3. This limitation of liability shall not affect SI liability, if any, for damage to Third Parties caused by SI or any person or company acting on behalf of SI in carrying out the Services. the Services,</p>	<p>Request to amend as: 29. Limitation of Liability: Limitation of Bidder's Liability towards the Authority: 29.1. Neither Party shall be liable to the other Party for any indirect or consequential loss or damage (including loss of revenue and profits) arising out of or relating to the Contract. 29.2. Except in case of gross negligence or wilful misconduct on the part of SI , shall not be liable to Authority: (i) for any indirect or consequential loss or damage; and (ii) for any direct loss or damage upto the total payments payable under the Contract to SI.</p>	Refer Addendum for Vol -3
Vol.3	1146	Honeywell Automation India Limited	vol.3- 34.1	32	<p>34.1. SI shall not, either during the term or after expiration of this Contract, disclose any proprietary or confidential information relating to the Services/Contract and/or Authority's business/ operations, information, Application/software, hardware, business data, architecture schematics, designs, storage media and other information / documents without the prior written consent of the Authority.</p>	Request to delete- " or after expiration".	Tender conditions shall prevail
Vol.3	1147	Honeywell Automation India Limited	vol.3- 34.5	32	<p>34.5. SI shall be liable to fully recompense the Authority for any loss of revenue arising from breach of confidentiality.</p>	Request to delete this clause	Tender conditions shall prevail
Vol.3	1148	Honeywell Automation India Limited	Additional clause		New Provision- Delay	<p>Request to include this clause: Where SI incurs additional cost due to a delay to the date of completion (need to be agreed) from the date of PO/Work Order caused by Authority or their suppliers or their sub-contractors then SI shall be entitled to claim additional delay costs for such delay.</p>	Tender conditions shall prevail

Vol.3	1149	Honeywell Automation India Limited	Additional clause		Payment Delinquency	Request to include this clause If Customer is delinquent in its payment obligation to SI, SI may upon written notice to Customer stop work and withhold future shipments until all delinquent amounts and late interest, if any, are paid. If SI reasonably determines in its sole discretion that Customer fails to qualify for the above payment terms at any time, then SI may without notice to Customer modify or withdraw credit terms including, but not limited to, requiring advance payment, guarantees or other security.	Tender conditions shall prevail
Vol.1	1150	Honeywell Automation India Limited	1	50	During the comprehensive warranty period, the successful bidder shall provide all product(s) and documentation updates, patches/fixes, and version upgrades within 15 days of their availability and should carry out installation and make operational the same at no additional cost to Authority.	Request to exclude Version upgrades from Bidder's scope	Tender conditions shall prevail.
Vol.3	1154	Honeywell Automation India Limited	3	32	43.2. Performance Penalty for not meeting a measurement parameter for any two months in consecutive quarters shall result in twice the penalty percentage of that respective measurement parameter in the third quarter for all the three months	Request to amend as follows: 43.2. Performance Penalty for not meeting a measurement parameter for any two months in consecutive quarters shall result in twice the penalty percentage of that respective measurement parameter in the third month for all the three months	Tender conditions shall prevail
Vol.3	1155	Honeywell Automation India Limited	3	32	43.3. Maximum Penalty applicable for any quarter shall not exceed 30% of the 'applicable fees' for the respective quarter.	Request to amend as follows: 43.3. Maximum Penalty applicable for any quarter shall not exceed <u>10%</u> of the 'applicable fees' for the respective quarter.	Refer Addendum for Vol -3
Vol.3	1156	Honeywell Automation India Limited	3	32	43.4. Three consecutive quarterly deductions of 30 % of the applicable fee on account of any reasons shall be deemed to be an event of default and termination as per Clause 35 of this Section of RFP respectively and the consequences as provided in Clause 36 of this section of RFP shall follow.	Request to amend as follows: 43.4. Three consecutive quarterly deductions of <u>10 %</u> of the applicable fee on account of any reasons shall be deemed to be an event of default and termination as per Clause 35 of this Section of RFP respectively and the consequences as provided in Clause 36 of this section of RFP shall follow.	Refer Addendum for Vol -3
Vol.3	1157	Honeywell Automation India Limited	3	38	Bidder should keep minimum 10% spare at any given point of project execution.	Request to amend as follows: Bidder should keep minimum <u>2%</u> spare at any given point of project execution.	Refer Addendum for Vol -3
Vol.1	1158	Honeywell Automation India Limited	VOL 1/clause no 2.8	16	The bid document must be accompanied by the Earnest Money Deposit of Rs. 2,59,00,000/- (Rupees Two Crore, Fifty-Nine Lakhs only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank	Request you to allow us to furnish Bank Guarantee from scheduled Commercial Bank for earnest money deposit	Refer Addendum for Vol -1
Vol.1	1159	Honeywell Automation India Limited	VOL 1/clause no 2.15	22	Prices quoted by the Bidder shall remain firm during the entire contract period and not subject to variation on any account	It seems from the clause that statutory variation is not available as per the terms of the tender . request you to include mentioned clause by way of corrigendum" our contract price would be amended if there is any Corrigendum of existing taxes /duties/levies or there is introduction of any new taxes /duties/ levies by any state Government or central Government "	For clarification, Bidder to Refer Addendum for Vol -1

Vol.1	1160	Honeywell Automation India Limited	VOL 1/clause no 2.11.3	21	The Bidder must submit the Commercial Bid as per format in Volume IV. Bidder shall submit the Commercial Bid online through E-procurement portal website only.	It is understood that we have to quote a basic rate inclusive of taxes . Request you to provide separate column to mention the taxes so that it would form the base for calculation and amendment of price if there is any statutory variation	No separate column for tax component shall be added in volume - 4. However, bidder shall specify itemwise applicable Taxes in the Bill of Material format. Relevant Corrigendum of Vol-2 of RFP shall follow.
Vol.1	1161	Honeywell Automation India Limited	VOL 1/ clause no 4.3	49	Within fifteen (15) working days from the date of issuance of LOI, the successful Bidder shall at his own expense submit unconditional and irrevocable Performance Bank Guarantee (PBG) to the Authority. The PBG shall be from a Nationalized Bank having branch at Guwahati in the format prescribed in Section 8 -	Request you to allow us to furnish the Performance Bank Guarantee from Scheduled commercial bank	Tender conditions shall prevail
Vol.1	1162	Honeywell Automation India Limited	VOL 1/ clause no 4.3	49	This Performance Bank Guarantee shall be valid up to six (6) months after successful completion of the contract for the total contract duration i.e., 'Go- Live' + 60 months of O&M.	Request you to confirm whether initially we can provide Performance security up to period of 3.5 years along with the letter mentioning that New PBG will be issued for future required period before expiring this BG	Responses related to PBG provided above may be referred.
Vol.3	1163	Honeywell Automation India Limited	VOL III / Clause no 12.5	16	All payments to SI shall be subject to the deductions of tax at source under Income Tax Act, and other taxes and deductions as provided for under any law, rule or regulation.	Request you to confirm that Labour cess /BOCW would not be deducted from our payment	Tender conditions shall prevail
Vol.3	1164	Honeywell Automation India Limited			General Query 1	Request you to confirm whether Guwahati Smart City Limited is a Government organisation under GST Act definition .	Needs to Discuss with GSCL
Vol.3	1165	Honeywell Automation India Limited			General Query 2	Request you to provide supporting documents to substantiate if the answer to general query 1 is yes	Needs to Discuss with GSCL
Vol.3	1166	Honeywell Automation India Limited			General Query 3	Request you to confirm whether the original work/service taken under this contract is used by Guwahati Smart city Limited for other than for commerce, industry, or any other business or profession. & work/service under this contract are in relation to work entrusted by Central/State Govt or union territory or local Authority	Needs to Discuss with GSCL
Vol.3	1178	Honeywell Automation India Limited	Vol-3 Penalties	32	Maximum Penalty applicable for any quarter shall not exceed 30% of the 'applicable fees' for the respective quarter.	Maximum Penalty applicable for any quarter shall not exceed 10% of the 'applicable fees' for the respective quarter.	Refer Addendum for Vol -3

Vol.1	1188	Honeywell Automation India Limited	Volume 1, 2.29. Eligible Goods and Services, and OEM Criteria,	28	General	Request the authorities to kindly allow some weightage to MSIs quoting competent MSMEs as OEM partner for Software provision.	Inclusion of MSMEs in Project Delivery is already provisioned in this tender document under clause# 2.28 of Volume-1.
Vol.1	1212	Honeywell Automation India Limited	Volume 1: 2.29. Eligible Goods and Services, and OEM Criteria	Page 28 of 104	2.29. Eligible Goods and Services, and OEM Criteria i) The ICCC Solution proposed by the Bidder must be operational in minimum 2 City wide projects in India with at least 1000 cameras/sensors in last 3 years. Undertaking from OEM and successful completion/ installation report from client (State / Central Government Department or Central /State PSUs/ Smart City) needs to be submitted along with the bid documents.	As per the OEM eligibility criteria, ICCC OEM should have onboarded atleast 1000 Cameras/Sensors in atleast 2 Cities, which is acceptable as it proves the ICCC capability, however, ICCC OEM's are usually not in direct contact with the Clients, hence request you to accept the Installation/Completion report from the System Integrators. Hence request you to modify the clause as below: j) The ICCC Solution proposed by the Bidder must be operational in minimum 2 City wide projects in India with at least 1000 cameras/sensors in last 3 years. Undertaking from OEM and successful completion/ installation report from the System Integrators needs to be submitted along with the bid documents.	Refer Addendum for Vol -1
Vol.1	1216	STL - Sterlite Technologies Limited	Vol 1 Section 3 Pre-Qualification Criteria Serial No 3	34	The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India.	Kindly modify the clause and reduce the IP CCTV required to 350 instead of 1000. As this is QCBS bid and bidder's need to score higher in TQ also, kindly allow Bidder's to meet the Pre-qualification by reducing the number of cameras. It will enable us to participate in the bid. Kindly modify the clause as: The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 350 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India.	Refer Addendum for Vol -1
Vol.1	1337	STL - Sterlite Technologies Limited	Vol 1 : Clause 1.3(11)	7 of 104	INR 2,15,00,000/- (INR. Two Crore, Fifteen Lakhs only) online deposit through e Procurement portal	Request you to kindly allow submission of EMD in form of Bank Guarantee also	Refer Addendum for Vol -1
Vol.1	1338	STL - Sterlite Technologies Limited	Vol 1 : Clause 2.1.(f)	13 of 104	Bidder shall submit the Line of Credit for the amount of INR 21,59,00,000 (Twenty-One Crore , Fifty-Nine Lakhs Only) as per the format given in Annexure 9.	Request you to kindly allow submission of a Bankers Solvency Certificate	Refer Addendum for Vol -1

Vol.1	1339	STL - Sterlite Technologies Limited	Vol 1 : Clause 2.8 Vol 1 : Clause 3.4.1(b) Vol 1 : Clause 3.4.1(c)	16 of 104 31 of 104	Earnest Money Deposit	Request you to kindly include the following clause: Return of EMD will be as follows: a. For bidders who do not qualify for the Technical Evaluation Stage / Financial Evaluation Stage - Immediately upon declaration of their disqualification by the Employer; b. For bidders who for the Financial Evaluation Stage - Immediately upon declaration of successful bidder by the Employer;	Refer Addendum for Vol -1
Vol.1	1340	STL - Sterlite Technologies Limited	Vol 1 : Clause 2.11.3	21 of 104	The Bidder must submit the Commercial Bid as per format in Volume IV. Bidder shall submit the Commercial Bid online through E-procurement portal website only	Volume IV not available	Bidder is requested to recheck as all the volumes are available in the portal.
Vol.1	1341	STL - Sterlite Technologies Limited	Vol 1 : Clause 2.28	27 of 104	Bidders are encouraged to include Micro, Small and Medium Enterprises (MSMEs) in the delivery of the project. Bidders should earmark a minimum of 20% of the total contract for procuring goods and services from MSEs. Activities that can be sub-contracted to MSME/MSE partners are restricted to those defined under Sub-Contracting Clause 2.27 above.	Request you to kindly delete this clause on following grounds: a. As per the prevailing MSME enactment, payment to MSME shall be made within a stipulated time period and the same may lead to cashflow mismatch for the successful bidder b. MSME categorization is based on the turnover and there stands a possibility that a sub-contractor may not stay an MSME for the entire period of the Contract	Tender conditions shall prevail.
Vol.1	1342	STL - Sterlite Technologies Limited	Vol 1 : Clause 3.4.3 (f)	32 of 104	If the Bid of the successful Bidder is seriously unbalanced in relation to the Engineer' estimate of the cost of work to be performed under the contract, the Employer may require the Bidder to produce detailed price analyses for any or all items of the price Bid, to demonstrate the internal consistency of those prices with the implementation methods and schedule proposed. After evaluation of the price analyses, the Employer may require that the amount of the performance security be increased at the expense of the successful Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract. The amount of the increased performance security shall be decided at the sole discretion of the Employer, which shall be final, binding and conclusive on the bidder.	Since the bidder is to submit a PBG of 10% of the contract value, request you to kindly delete this clause.	Tender conditions shall prevail.
Vol.1	1343	STL - Sterlite Technologies Limited	Vol 1 : Clause 4.3	49 of 104	Performance Bank Guarantee	Request you to kindly allow the following: a. CAPEX PBG @ 10% of CAPEX contract value to be submitted within fifteen (15) working days from the date of issuance of LOI, with a validity of Go-Live + 60 days b. OPEX PBG @ 10% of OPEX contract value to be submitted within fifteen (15) working days from Go-Live, with a validity of 60 months	Responses related to PBG provided above may be referred., refer Addendum of Vol-01
Vol.1	1344	STL - Sterlite Technologies Limited	Vol 1 : Clause 6.1 Table 1 (Sl. No.2)	57 of 104	Certificate from the Statutory Auditor on turnover details from the "specific business areas" over the last three (3) financial years	Request you to kindly allow certificate from a Chartered Accountant as mentioned in Clause 3.5 (Sl. No. 2)	Agreed

Vol.1	1345	STL - Sterlite Technologies Limited	Vol 1 : Clause 6.3.C	63 of 104	Self certified copy of Certificate from statutory auditor for Positive net worth as per audited consolidated financial statements for last three financial years shall be submitted	Request you to kindly allow certificate from a Chartered Accountant as mentioned in Clause 3.5 (Sl. No.4) & Clause 6.1 (Sl. No.4)	Agreed
Vol.3	1352	STL - Sterlite Technologies Limited	Vol 3 : Clause 28	24 of 50	Liquidated Damages If SI fails to supply, install or maintain any or all of the goods as per the contract, within the time period(s) specified in the RFP Vol II, the Authority without prejudice to its other rights and remedies under the Contract, deduct from the Contract price, as liquidated damages, a sum equivalent to 0.1 % per week or part thereof of contract value for a milestone/quarter.	Request you to kindly amend the clause as below: If SI fails to supply, install or maintain any or all of the goods as per the contract, within the time period(s) specified in the RFP Vol II, the Authority without prejudice to its other rights and remedies under the Contract, deduct from the Contract price, as liquidated damages, a sum equivalent to 0.1 % per week or part thereof of undelivered contract value for a milestone/quarter.	Tender conditions shall prevail
Vol.3	1353	STL - Sterlite Technologies Limited	Vol 3 : Clause 17	17 of 50	SI shall bear all taxes and duties etc. levied or imposed on SI under the Contract including but not limited to, Customs duty, Excise duty, GST, , any other taxes and all Income Tax levied under Indian Income Tax Act – 1961 or any Corrigendum thereof during the entire contract period, i.e., on account of material supplied and services rendered, and payments received by him from the Authority under the Contract. It shall be the responsibility of SI to submit to the concerned Indian authorities the returns and all other connected documents required for this purpose. SI shall also provide the Authority such information, as it may be required in regard to SI's details of payment made by the Authority under the Contract for proper assessment of taxes and duties. The amount of tax withheld by the Authority shall at all times be in accordance with Indian Tax Law and the Authority shall promptly furnish to SI original certificates for tax deduction at source and paid to the Tax Authorities	Request you to kindly include the below mentioned clause after the existing clause: For the purpose of the Contract, it is agreed that the Contract Price is based on the taxes, duties, levies and charges prevailing on seven (7) days prior to the deadline set for price bid submission in the country. If any rates of Tax are increased or decreased, a new Tax is introduced, an existing Tax is abolished, or any change in interpretation or application of any Tax occurs in the course of the performance of Contract, which was or will be assessed on the Contractor in connection with performance of the Contract, an equitable adjustment of the Contract Price shall be made to fully take into account any such change by addition to the Contract Price or deduction therefrom, as the case may be, in accordance with Change in Laws and Regulations hereof.	Refer Addendum for Vol -3
Vol.3	1354	STL - Sterlite Technologies Limited	Vol 3 : Clause 43.4	32 of 50	Maximum Penalty applicable for any quarter shall not exceed 30% of the 'applicable fees' for the respective quarter.	Request you to kindly consider that 30% is a substantial amount and major of the O&M payment will be fixed in the nature of manpower. Hence 30% will directly impact the profitability and cashflow of the project for the bidder. Hence request you to kindly consider the below: Maximum Penalty applicable for any quarter shall not exceed 10% of the 'applicable fees' for the respective quarter.	Refer Addendum for Vol -3
Vol.3	1355	STL - Sterlite Technologies Limited	Vol 3 : Clause 28.2	24 of 50	The deduction shall not in any case exceed 10 % of the contract value.	Request you to kindly amend the existing clause as below: The deduction shall not in any case exceed 10 % of the CAPEX contract value.	Tender conditions shall prevail
Vol.3	1357	STL - Sterlite Technologies Limited	Vol 3: 43. Penalties	31	43.5 The payment to the agency shall be on Quarterly basis however the penalty shall be calculated on monthly basis as per the SLAs stated in the RFP.	In line with the industry standards, we request that the clause is amended as follows: "The payment to the agency shall be on Quarterly basis however and the penalty shall be calculated on monthly quarterly basis as per the SLAs stated in the RFP."	Tender conditions shall prevail

Vol.3	1358	STL - Sterlite Technologies Limited	Vol 3: 43. Penalties	50-51	43.6.6.1 Network Availability between Field elements and CCC	Since the bandwidth shall be provisioned by the TSP/ISP through a tri-partite agreement, request that the penalties on breach of SLA pertaining to bandwidth issues are directly embedded in that tri-partite agreement since the percentage of penalty on SI's contract value results in higher absolute value than the absolute value of cost of bandwidth provided by TSP/ISP thereby resulting in cost loading. Please confirm	Bidder's understanding is correct.
Vol.3	1359	STL - Sterlite Technologies Limited			General	In order to complete the project in the envisaged timeline of 12 months, it is requested that a provision for Deemed approval/Acceptance is introduced so that in case of delay beyond 15 days a) from the date of submission of documents for approval and/or b) notification to conduct Acceptance Testing, the system or part thereof is deemed to be accepted and eligible for invoicing.	Tender conditions shall prevail
Vol.1	1363	BSNL	Vol 1, 3.5. Pre-Qualification Criteria, Point 3	Page 35 of 104	The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India.	Since this is a PQ criteria it is requested that the tender authority to allow project with 200 camera as well as not only outdoor but all manner of camera installation (indoor / outdoor) be allowed to fulfill this criteria.	Refer Addendum for Vol -1
Vol.1	1364	BSNL	Vol 1, 3.5. Pre-Qualification Criteria, Point 3	Page 35 of 104	The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India.	We request the tender authority to please consider allowing the following credential as well that is implementation of cameras with VMS on a short term services model for election commission	Refer Addendum for Vol -1
Vol.1	1365	BSNL	Vol 1, 3.6.1 Technical Bid Criteria & Evaluation, B1 City Surveillance Projects	Page 40 of 104	The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on City surveillance with video analytics system of minimum value of INR 15 Crores during last seven years (as on Bid Submission date) per project.	Since in the PQ criteria project with 200 count is asked, we request the tender authority to please the same in TQ as requirement instead of minimum value of INR 15 Crores. Else reduce the minimum value to INR 5 Crores in order to encourage a wider participation	Refer Addendum for Vol -1
Vol.1	1366	BSNL	Vol 1, 3.6.1 Technical Bid Criteria & Evaluation, B2 Integrated Traffic Management System	Page 40 of 104	The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project with the following components during last seven years (as on Bid Submission date)	Since this criteria encompasses Intelligent Traffic Management a minimum value of INR 7 Crores can be too strict. Hence we request the tender authority to reduce the minimum value to INR 5 Crores in order to encourage a wider participation	Refer Addendum for Vol -1

Vol.1	1367	BSNL	Vol 1, 10. Annexure 6 - Consortium Agreement, Point III	Page 93 of 104	The Parties shall be jointly and severally responsible and bound towards the Authority for the performance of the works in accordance with the terms and conditions of the BID document, and Contract.	Since it is a common practice in similar nature smart city tenders to have joint and several liability only for the lead bidder and other members being severally responsible for their respective scope. We request the tender authority to revise the liability clause as: The Lead bidder shall be jointly and severally responsible for complete scope including meeting the SLAs, whereas consortium partners shall be severally responsible only for their respective scope.	Tender conditions shall prevail.
Vol.1	1430	BSNL	2.29. Eligible Goods and Services, and OEM Criteria	27	OEM Criteria	ATCS being a important component of the RFP, you are requested to please include suitable OEM criteria of ATCS.	Tender conditions shall prevail.
Vol.1	1431	BSNL	2.29. Eligible Goods and Services, and OEM Criteria	28	The OEM of each product or technology should have valid quality certifications like ISO 9001.	ACTS being a engineering tool, you are requested to onsider CMML3 for Traffic Controller OEM.	Refer Addendum for Vol -1
Vol.1	1432	BSNL	3.5. Pre-Qualification Criteria	33	The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India.	On page No 37 of Volume one, International Projects have been made acceptable. Kindly consider Global experience in PQ criteria Also. ATCS being a new technology and Guwahathi having larger no of juntions , kindly also consider ATCS OEM experience under this clause. Also consider "Adaptive Traffic Singal Control " in place of Traffic signal Control.	Refer Addendum for Vol -1
Vol.1	1433	BSNL	3.5. Pre-Qualification Criteria P	36	The bidder (or any Consortium member) should have experience of setting up and Operation & Maintenance of Integrated command & control room/ emergency response centre /Security and Surveillance control room/ Surveillance control room built for Central / State Government Department or Central/State Public Sector Units (PSUs)/ Smart City and other Government establishment in India during last Seven (7) years as on Bid Submission date.	On page No 37 of Volume one, International Projects have been made acceptable. Kindly consider Global experience in PQ criteria Also.	Tender conditions shall prevail.
Vol.1	1434	BSNL	3.5. Pre-Qualification Criteria	36	Note: 1. Following documentary evidence (Citation, copy of completion / ongoing client certificate and work order/Contract/self- certificate) is required for all project experience from the Sole Bidder/ Consortium member	Kindly consider Certificate signed by the Company Secretary/statutory Auditor/certifying the project details, its value, completion status etc in absence of PO/Completion letter.	Refer Addendum for Vol -1

Vol.1	1435	BSNL	3.6.1 Technical Bid Criteria & Evaluation	40	B2 (Integrated Traffic Management System) : The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project with the following components during last seven years (as on Bid Submission date) Components: Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System AND <input type="checkbox"/> RLVD System / ANPR System	ATCS and RLVD/ANPR system being two different technologies kindly allocate separate marking for ATCS and RLVD/ANPR. <u>OR</u> kindly Consider " Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System <u>OR</u> for 64 Junctions, considering the same please increase the minimum project value to 10 Cr. Also ATCS being a new technology and Guwahathi having larger no of junctions , kindly also consider ATCS OEM experience under this clause	Refer Addendum for Vol -1
Vol.1	1436	BSNL	3.6.1 Technical Bid Criteria & Evaluation	42	VMS (OEM Criteria)	ATCS being a important and crucial component, please include OEM criteria in Technical evaluation also and allocate suitable marks.	Refer Addendum for Vol -1
Vol.1	1437	BSNL	3.6.1 Technical Bid Criteria & Evaluation	44	Proof of Concept (POC)	Please include PoC for ATCS solution also using Simulation Tool.	Tender conditions shall prevail.
Vol.1	1438	BSNL	3.6.1 Technical Bid Criteria & Evaluation Page 44	44	Proposed resources (Max. 10 marks)	Please consider ATCS Expert also from Bidder/OEM.	Tender conditions shall prevail.
Vol.3	1446	BSNL	Volume 3 43.6.4. City surveillance & ICT Component related performance levels	38	8. Bidder should keep minimum 10% spare at any given point of project execution. Infrastructure equipment should be replaced or repaired after complaint logging from Authority officials Measurement Tool: System generated call log at Helpdesk	ATCS Controllers is of high value item and also has MTBF more than 9 years. Hence 10% is not required .Instead kindly mention Sufficient spare to meet SLA or 10% minimum.	Refer Addendum for Vol -3
Vol.1	1447	BSNL	Vol 1; Cl. 4.6	51	The Employer will, if requested by the CONTRACTOR, make mobilization advance payments of 10(%) percent of the Awarded Contract Value to the CONTRACTOR to assist in defraying the initial expenses that will necessarily be incurred by the CONTRACTOR for mobilization and design. The Mobilization Advance will be given to the CONTRACTOR with Simple Interest of 10 % (Percent) per annum.	Request for interest free advance.	Response to this query provided above may be referred.

Vol.3	1448	BSNL	Vol 3; Cl.13	16	<p>Intellectual Property Rights</p> <p>13.1. Retention of Ownership except for the rights expressly granted to the Licensee under this Agreement, the Licensor shall retain all right, title and interest in and to the Licensed Technology, including all worldwide Technology and intellectual property and proprietary rights.</p> <p>13.2. Preservation of Notice Licensee shall not remove, efface or obscure any copyright notices or other proprietary notices or legends from any Licensed Technology or materials provided under this Agreement, and shall reproduce all such notices and legends when incorporating Licensed Technology or materials into any Integrated Products.</p> <p>13.3. SI must ensure that while using any software, hardware, processes, document or material in the course of performing the Services, it does not infringe the Intellectual Property Rights of any person/Company. SI shall keep the Authority indemnified against all costs, expenses and liabilities howsoever, arising out any illegal or unauthorized use (piracy) or in connection with any claim or proceedings relating to any breach or violation of any permission/license terms or infringement of any Intellectual Property Rights by SI or SI's Team during the course of performance of the Services. SI's liability is excluded regarding any claim based on any of the following (a) anything Authority provides which is incorporated into the Solution; (b) the Authority's modification of the solution;</p> <p>13.4. Authority shall own and have a right in perpetuity to use all newly created Intellectual Property Rights which have been developed solely during execution of this Contract, including but not limited to all processes, products, specifications, reports and other documents which have been newly created and developed by SI solely during the performance of Services and for the</p>	<p>we understand this clause is not applicable for Core IPR of any product. Please clarify.</p>	<p>Refer Addendum for Vol -3</p>
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Vol.3	1449	BSNL	Vol 3; Cl.15	18	<p>15. Indemnity</p> <p>15.1. SI shall indemnify the Authority from and against any costs, loss, damages, expense, claims including those from third parties or liabilities of any kind howsoever suffered, arising or incurred inter alia during and after the Contract period out of:</p> <p>a. any negligence or wrongful act or omission by SI or any third party associated with SI in connection with or incidental to this Contract; or</p> <p>b. any breach of any of the terms of SI's bid as agreed, the RFP and this Contract by SI</p> <p>c. any infringement of patent, trademark/copyright or industrial design rights arising from the use of the supplied goods and related services or any part thereof</p> <p>15.2. SI shall also indemnify the Authority against any privilege, claim or assertion made by a third party with respect to right or interest in, ownership, mortgage or disposal of any asset, property etc.</p> <p>15.3. Regardless of anything contained (except for SI's liability for bodily injury and/ or damage to tangible and real property for which it is legally liable and its liability for patent and copyright infringement in accordance with the terms of this Agreement) the total liability of SI, is restricted to the total value of the contract and SI is not responsible for any third party claims</p>	<p>1. Limitation of Liability shall be capped at 100% of Contract Value.</p> <p>2. Request you to delete all Carve Out/ Exclusions from Limitation of Liability</p> <p>3. Either party under no legal theory shall have right to claim for consequential losses and damages</p>	Refer Addendum for Vol -3
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Vol.3	1450	BSNL	Vol 3; Cl.22	21	<p>22. Force Majeure</p> <p>22.1. Force Majeure shall not include any events caused due to acts/ omissions of SI resulting in a breach/ contravention of any of the terms of the Contract and/or SI's Bid. It shall also not include any default on the part of SI due to its negligence or failure to implement the stipulated/ proposed precautions, as were required to be taken under the Contract.</p> <p>22.2. The failure or occurrence of a delay in performance of any of the obligations of either party shall constitute a Force Majeure event only where such failure or delay could not have reasonably been foreseen i.e. war, or hostility, acts of the public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restriction, strikes, lockouts or act of God (hereinafter referred to as events) , or where despite the presence of adequate and stipulated safeguards the failure to perform obligations has occurred at any location in scope. In such an event, the affected party shall inform the other party in writing within five days of the occurrence of such event. Any failure or lapse on the part of SI in performing any obligation as is necessary and proper, to negate the damage due to projected force majeure events or to mitigate the damage that may be caused due to the above mentioned events or the failure to provide adequate disaster management/ recovery or any failure in setting up a contingency mechanism would not constitute force majeure, as set out above.</p> <p>22.3. In case of a Force Majeure, all Parties shall endeavour to agree on an alternate mode of performance in order to ensure the continuity of service and implementation of the obligations of a party under the Contract and to minimize any adverse consequences of Force Majeure.</p> <p>22.4. Force Majeure shall not apply to any obligation of the Owner to make payments to the Contractor</p>	<p>Request you to incorporate the following</p> <ul style="list-style-type: none"> • Request to add events beyond the control of either Party or both the Parties. • Right of EOT and price implication • Both the parties shall have termination rights to both the parties for prolonged suspension due to FM conditions for period more than 60 days continuous and / or 90 days cumulative. • In case of termination SI shall be entitled to be paid for work completed and work in progress 	Refer Addendum for Vol -3
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Vol.3	1451	BSNL	Vol 3; Cl.24	22	<p>24. Insurance</p> <p>24.1. The Goods supplied under this Contract shall be comprehensively insured by SI at his own cost, against any loss or damage, for the entire period of the contract. SI shall submit to the Authority, documentary evidence issued by the insurance company, indicating that such insurance has been taken.</p> <p>24.2. SI shall bear all the statutory levies like customs, insurance, freight, etc. applicable on the goods and also the charges like transportation charges, octroi, etc. that may be applicable till the goods are delivered at the respective sites of installation shall also be borne by SI.</p> <p>24.3. SI shall take out and maintain at its own cost, on terms and conditions approved by the Authority, insurance against the risks, and for the coverages, as specified below;</p> <p>a. At the Authority's request, shall provide evidence to the Authority showing that such insurance has been taken out and maintained and that the current premiums therefore have been paid.</p> <p>b. Employer's liability and workers' compensation insurance in respect of the Personnel of the Company, in accordance with the relevant provisions of the Applicable Law as well as, with respect to such Personnel, any such life, health, accident, travel or other insurance as may be appropriate</p>	SI shall undertake comprehensive insurance cover valid till scheduled completion period, in case of extension of time for reasons not attributable to SI, period of cover shall be extended by SI at the cost of GSCL.	Refer Addendum for Vol -3
Vol.3	1452	BSNL	Vol 3; Cl.25	22	<p>25. Transfer of Ownership</p> <p>25.1. SI must transfer all titles to the assets and goods procured for the purpose of the project to the Authority at the time of Acceptance of System. This includes all licenses, titles, source code, certificates, hardware, devices, equipment's etc. related to the system designed, developed, installed and maintained by SI. SI is expected to provide source code, transfer IPR and ownership right of only those solutions which would be customized by bidder for the use of Guwahati Smart City Limited. For any pre-existing work, SI and Guwahati Smart City Limited shall be held jointly responsible and its use in any other project by SI shall be decided on mutual consent.</p> <p>25.2. Forthwith upon expiry or earlier termination of the Contract and at any other time on demand by the Authority, SI shall deliver to the Authority all Documents provided by or originating from the Authority and all Documents produced by or from or for SI in the course of performing the Services, unless otherwise directed in writing by the Authority at no additional cost. SI shall not, without the prior written consent of the Authority store, copy, distribute or retain any such Documents</p>	IP rights cannot be transferred or assigned in manner to GSCL.	Refer Addendum for Vol -3

Vol.3	1453	BSNL	Vol 3; CL28	24	<p>28. Liquidated Damages:</p> <p>28.1. If SI fails to supply, install or maintain any or all of the goods as per the contract, within the time period(s) specified in the RFP Vol II, the Authority without prejudice to its other rights and remedies under the Contract, deduct from the Contract price, as liquidated damages, a sum equivalent to 0.1 % per week or part thereof of contract value for a milestone/quarter.</p> <p>28.2. The deduction shall not in any case exceed 10 % of the contract value.</p> <p>28.3. The Authority may without prejudice to its right to effect recovery by any other method, deduct the amount of liquidated damages from any money belonging to SI in its hands (which includes the Authority's right to claim such amount against SI's Bank Guarantee) or which may become due to SI. Any such recovery or liquidated damages shall not in any way relieve SI from any of its obligations to complete the Work or from any other obligations and liabilities under the Contract.</p> <p>28.4. Delay not attributable to SI shall be considered for exclusion for the purpose of computing liquidated damages.</p>	<p>1. Request you to cap the overall LD for delay in completion at 5% of the Contract Value.</p> <p>2. Request you to add the following wordings "Levy of LD shall be sole and exclusive remedy available to GSCL."</p>	Tender conditions shall prevail
Vol.3	1454	BSNL	Vol 3; CL29	24	<p>29. Limitation of Liability:</p> <p>Limitation of Bidder's Liability towards the Authority:</p> <p>29.1. Neither Party shall be liable to the other Party for any indirect or consequential loss or damage (including loss of revenue and profits) arising out of or relating to the Contract.</p> <p>29.2. Except in case of gross negligence or wilful misconduct on the part of SI or on the part of any person or company acting on behalf of SI in carrying out the Services, SI, with respect to damage caused by SI to Authority's property, shall not be liable to Authority: (i) for any indirect or consequential loss or damage; and (ii) for any direct loss or damage that exceeds (A) the total payments payable under the Contract to SI hereunder, or (B) the proceeds SI may be entitled to receive from any insurance maintained by SI to cover such a liability, whichever of (A) or (B) is higher.</p> <p>29.3. This limitation of liability shall not affect SI liability, if any, for damage to Third Parties caused by SI or any person or company acting on behalf of SI in carrying out the Services</p>	<ul style="list-style-type: none"> • Limitation of Liability shall be capped at 100% of Contract Value. • Request you to delete all the Carve Out/ Exclusions from Limitation of Liability • Either party under no legal theory shall have right to claim for consequential losses and damages 	Refer Addendum for Vol -3

Vol.3	1508	BMC	. Vol.03. 43.6.4. City surveillance & ICT Component related performance levels 9. Asset / Inventory Management	Page 39	9. Asset / Inventory Management	As a good practice, Asset and Inventory management data should be stored on Single CMDB, for effective management and mapping of Assets, same CMDB should be accessed by Helpdesk to any asset related raise incidents/tickets. The Common database will help in seamless tracking and management of assets. Are you looking for Common database or CMDB of helpdesk and Asset Management? Please Confirm	Bidder's understanding is correct.
Vol.1	1516	Onnyx Electronisys Pvt. Ltd.	Volume-1	34	2 A. The Sole Bidder shall have an average annual turnover of 250 Crore over the last three (3) financial years. • In case of consortium: o Lead Bidder should have minimum 60% of the Average Annual Turnover requirement o Each consortium member should have minimum 30% of the Average Annual Turnover requirement o All members together should meet 250 Crore Average Annual Turnover requirement	We request you to kindly reduce the average annual turnover criteria from INR 75 Cr to INR 20 Crores for consortium member in order to allow more number of MSME participants in this tender.	Refer Addendum for Vol -1
Vol.1	1517	Onnyx Electronisys Pvt. Ltd.	Volume-1	40	B2. The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project with the following components during last seven years (as on Bid Submission date) Components: •Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System AND •RLVD System / ANPR System	ATCS and RLVD/ANPR are two quite different fields and can't be grouped into one category. Since the concept of ATCS has been introduced in India very recently and very few ATCS Project has been completed. In addition to Number of Project, size of project should also be given weightage. We request you to kindly modify this clause as mentioned below: B2. The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project with the following components during last seven years (as on Bid Submission date) Components: •Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System OR •RLVD System / ANPR System	Refer Addendum for Vol -1
Vol.1	1519	Cisco Systems, Inc.	Vol 1	Page 28, 2.29. Eligible Goods and Services, and OEM Criteria	e) OEM to give declaration that offered product will not be end of life for minimum of 24 months from the date of bidding and the support for such offered product/s will be available for minimum of 10 years from the date of bidding.	In vol 2., it is mentioned as follows: 4) OEM undertaking that the quoted product will not become end of sale within next 12 months. 5) OEM undertaking that the quoted product will not become end of support/end of life for next 5 years. We feel this is the point which needs to be followed since Vol II is for scope of work and technical specifications. Please clarify	Agreed. Bidder to Refer Addendum of Vol 1 "OEM to give declaration that offered product will not be end of life for minimum of 12 months from the date of bidding and the support for such offered product/s will be available for the period of 60 months from the date of Go-live."

Vol.1	1799	Inspira Enterprise	RFP Vol I Section 2.29. Eligible Goods and Services, and OEM Criteria	28	<p>(i) The ICCC Solution proposed by the Bidder must be operational in minimum 2 City wide projects in India with at least 1000 cameras/sensors in last 3 years. Undertaking from OEM and successful completion/ installation report from client (State / Central Government Department or Central /State PSUs/ Smart City) needs to be submitted along with the bid documents.</p>	<p>Kindly change this clause to:</p> <p>a.The proposed OEM for ICCC Platform should only be responsible for deploying, commissioning and integration of platform with all the solutions as proposed in the RFP. The deployment, commissioning and integration of the ICCC platform cannot be outsourced to third part integrators/partners and has to be delivered by ICCC platform OEM only.</p> <p>b. The proposed ICCC Platform should have been deployed in at least one city in India with bi-directional integration with utilities like water, energy and sewerage etc. The platform must have in-built protocol for these integrations. The integration should be on real-time basis and not on off-line basis Justification: Current Requirement for GSCL requires a platform as a framework for sensing, for communication, for integration with OT technology which is made up of multiplicity of diverse use applications. The city needs a systems of systems platform capable of managing different technologies and devices, and enable different applicatoin services for different services in the city. A platform which is future ready and of industrial strength, scalable, not only able to scale to accomodate and process more data but of the same type, but also from variety of sources thus converging the IT and OT world.</p> <p>ICCC is a level 4 consolidation and monitoring mechanism and not a it dashboard of surveillance monitoring. ICCC should cater to needs of the current as well as future integrations basis the scalability of smart city solutions and tools which also include physical infrastructure like water, energy, swerage etc. Camera is specific to Video Management System and the current condition under ICCC should be moved or changed to Video Management System OEM. There are very few implementations of ICCC in India which has IT/OT convergence. OT plays a</p>	Refer Addendum for Vol -1
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Vol.1	1800	Inspira Enterprise	<p>RFP Vol I Section 3.6.1 Technical Bid Criteria & Evaluation B. Project Experience (Max -50 marks) B4.2 Integrated Command and Control Centre Solution (OEM Criteria)</p>	42	<p><u>B4.2 Integrated Command and Control Centre Solution (OEM Criteria) -</u> No. of projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the ICCC Solutions proposed by the Bidder is fully operational and integrated with multiple applications like Surveillance, ITMS etc. in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis.</p>	<p>Kindly change this clause to: 1. Proposed ICCC Platform has been successfully implemented in at least one smart city in India, as on date of bid submission, with at least 10 or more different smart application integrations (in a single project) covering bidirectional integration (centrally command, controlled and operated by ICCC platform) mandatorily having any four of the below: (10 marks) • Water System with control • Sewerage system with control • Light system with control • Surveillance system with control • Intelligent Traffic Management System • Parking Management • Building Management with control 2. Proposed ICCC Platform has been successfully implemented in at least one smart city in India, as on date of bid submission, with at least 7 or more different smart application integrations (in a single project) covering bidirectional integration (centrally command, controlled and operated by ICCC platform) mandatorily having any three of the below: (6 marks) • Water System with control • Sewerage system with control • Light system with control • Surveillance system with control • Intelligent Traffic Management System • Parking Management • Building Management with control 3. Proposed ICCC Platform has been successfully implemented in at least one smart city in India, as on date of bid submission, with at least 4 or more different smart application integrations (in a single project) covering bidirectional integration (centrally command, controlled and operated by ICCC platform) mandatorily having any two of the below: (3 marks) • Water System with control • Sewerage system with control • Light system with control • Surveillance system with control • Intelligent Traffic Management System • Parking Management • Building Management with control</p>	Refer Addendum for Vol -1
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Vol.1	1801	Inspira Enterprise	RFP Vol I Section 3.6.1 Technical Bid Criteria & Evaluation C. Approach, Methodology, Project Presentation & POC (Max. 30 marks) C2. Proof of concept(POC)	44	C2. Proof of concept(POC) : 1. Need to demonstrate the ICCC Control Room setup with visualization (2*2 Screen – 5 Marks) 2. Integration with Security & Surveillance System (Surveillance Cameras, SVD, RLVD & ANPR – 5 Marks)	Kindly change this clause to: • Demonstrated level of understanding of the scope of work and all aspects of the project- 2.5 marks • Approach & Methodology for Implementation - Solution Architecture scalability, Interoperability and modularity features considering the future expansion of the project- 2.5 marks • Strategy for Cloud, SLA and System Security -1 marks • Project implementation Plan / Risk Mitigation Plan / Strategy-2 marks • Operations and maintenance plan including comprehensiveness of fall back strategy- 2 marks POC for integration of ICT interventions with Command and Control Centre Platform (This has to be added for proof of concept) 1. Sub system integration with ICCC platform with controls – 18 Marks a. Bus rapid transport system integration including CCTV integration in the bus shelter along with controls - 2 Marks b. LED street light integration with controls- 2 Marks c. Intelligent traffic management solutoin integration - 2 Marks d. CCTV surveillance solution integration with controls - 2 Marks e. Water SCADA integration with controls - 3 Marks f. Energy SCADA integration - 2 Marks g. IBMS solution integration with controls - 2 Marks h. E-Governance solutoin integration - 2 Marks i. Enterprise Management System (EMS) integration & monitoring - 1 Marks D Resource Profile -	Tender conditions shall prevail.
Vol.1	1830	Inspira Enterprise	RFP Vol I IMPORTANT DATES Last date for online submission of Bids	2	Last date for online submission of Bids - 13-07-2020 up to 15.00 Hrs.	Extension of atleast four weeks from the date of Pre-Bid clarification/ Corrigendum release. Due to this COVID-19 lockdown situation, responses from the OEM are getting delayed. So requesting the Tender Committee to allow atleast 4 weeks of tender Submission timeline from the Release Date of Pre-Bid Corrigendum to provide adequate response time .	Tender conditions shall prevail.
Vol.1	1879	FUTURE NETWINGS SOLUTIONS PVT. LTD.	Vol 1	Page 28, 2.29. Eligible Goods and Services, and OEM Criteria	e) OEM to give declaration that offered product will not be end of life for minimum of 24 months from the date of bidding and the support for such offered product/s will be available for minimum of 10 years from the date of bidding.	In vol 2., it is mentioned as follows: 4) OEM undertaking that the quoted product will not become end of sale within next 12 months. 5) OEM undertaking that the quoted product will not become end of support/end of life for next 5 years. We feel this is the point which needs to be followed since Vol II is for scope of work and technical specifications. Please clarify	Agreed. Bidder to Refer Addendum of Vol 1 "OEM to give declaration that offered product will not be end of life for minimum of 12 months from the date of bidding and the support for such offered product/s will be available for the period of 60 months from the date of Go-live."

Vol.1	2004	BROADCAST ENGINEERING CONSULTANTS INDIA LTD	Vol-1	Page 7, Clause 1.3 & Page 16 Clause 2.8	Bid Security/Earnest Money Deposit (EMD): INR 2,15,00,000/- (INR. Two Crore, Fifteen Lakhs only) online deposit through e Procurement portal.	May kindly Clarify the amount and BG from a nationalised/scheduled bank may be accepted. Justification: 1. The EMD amount mentioned in the clauses at Page 16 & 7 are different. 2. BG should be accepted instead of online payment of EMD. Such a huge cash out go will have serious impact on the Project commercial viability.	Refer Addendum for Vol -1
Vol.1	2005	BROADCAST ENGINEERING CONSULTANTS INDIA LTD	Vol-1	Page 57, Table 1(Pre Qualification Requirements), Sl No. 2 'A'	A. The Sole Bidder shall have an average annual turnover of INR 250 Crore over the last three (3) financial years. In case of consortium: o Lead Bidder should have minimum 60% of the Average Annual Turnover requirement o Each consortium member should have minimum 30% of the Average Annual Turnover requirement o All members together should meet INR 250 Crore Average Annual Turnover requirement	A. The Sole Bidder shall have an average annual turnover of INR 200 Crore over the last three (3) financial years. In case of consortium: o Lead Bidder should have minimum 60% of the Average Annual Turnover requirement o All members together should meet INR 200 Crore Average Annual Turnover requirement Justification: As per CVC guidelines on procurement, the 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.	Refer Addendum for Vol -1
Vol.1	2006	BROADCAST ENGINEERING CONSULTANTS INDIA LTD	Vol-1	Page 57, Table 1(Pre Qualification Requirements), Sl No. 2 'B'	B. Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 200 Crore from the "specific business areas" mentioned below over the last three financial years with lead bidder should have minimum 60% average annual turnover requirement. o ICT Infrastructure o IT system integration services	B. Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 100 Crore from the "specific business areas" mentioned below over the last three financial years with lead bidder should have minimum 60% average annual turnover requirement. o ICT Infrastructure o IT system integration services Justification: As per CVC guidelines on procurement, the 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.	Refer Addendum for Vol -1
Vol.1	2007	BROADCAST ENGINEERING CONSULTANTS INDIA LTD	Vol-1	Page 58, Table 1(Pre Qualification Requirements), Sl No. 3	The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India.	The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for CCTV surveillance Project with centralised Video Management System and one (1) integrated CCTV Surveillance Project in last 3 years with at least one of the these component (1) Integrated Traffic Management System project /Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in India with IP Surveillance camera. Justification: Since the ITMS is a new concept and it has not yet matured in Indian context. Secondly, the qualification of ITMS is separately asked in the document; the clubbing of ITMS or its component with the CCTV experience makes the clause restrictive and disallow many prospective bidders from bidding.	Refer Addendum for Vol -1

Vol.1	2008	BROADCAST ENGINEERING CONSULTANTS INDIA LTD	Vol-1	Page 39, Clause 3.6.1-Technical Bid Criteria and Evaluation. SI No. A1	Average annual turnover of Sole bidder or Consortium over the last three Financial years Marks shall be allotted as given below Cost of the Project (INR) Marks More than 500 Cr. 6 >400 Cr. To <=500 Cr. 5 >300 Cr. To <=400 Cr. 4 >250 Cr. To <=300 Cr. 3	Average annual turnover of Sole bidder or Consortium over the last three Financial years Marks shall be allotted as given below Cost of the Project (INR) Marks More than 300 Cr. 6 >250 Cr. To <=300 Cr. 5 >200 Cr. To <=250 Cr. 4 Justification: As per CVC guidelines on procurement, the 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.	Refer Addendum for Vol -1
Vol.1	2009	BROADCAST ENGINEERING CONSULTANTS INDIA LTD	Vol-1	Page 40, Clause 3.6.1-Technical Bid Criteria and Evaluation. SI No. B1	The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on City surveillance with video analytics system of minimum value of INR 15 Crores during last seven years (as on Bid Submission date) per project. Marks shall be allotted as below: Number of Projects Marks >= 3 Projects 15 2 Projects 12 1 Project 10	The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on CCTV surveillance with video management/analytics system of minimum value of INR 15 Crores during last seven years (as on Bid Submission date) per project. Marks shall be allotted as below: Number of Projects Marks >= 3 Projects 15 2 Projects 12 1 Project 10	Refer Addendum for Vol -1
Vol.1	2010	BROADCAST ENGINEERING CONSULTANTS INDIA LTD	Vol-1	Page 40, Clause 3.6.1-Technical Bid Criteria and Evaluation. SI No. B2	Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project with the following components during last seven years (as on Bid Submission date) Components: Adaptive Traffic Control System AND Marks shall be allotted as below: Number of Projects Marks >= 3 Projects 10 2 Projects 8 1 Project 6	The criteria should be made applicable to OEMs as it has been done for ICCC & VMS in Vol-1, Page 42, Clause 3.6.1-Technical Bid Criteria and Evaluation. SI No B.4.2 & B5 Justification: The ITMS concept is new to India and the technology is not yet matured in India. Secondly, very few System Integrators who have got some Smart City Projects are eligible in this case and such criteria will restrict otherwise competent bidders. Therefore the experience of OEM should be considered.	Refer Addendum for Vol -1
Vol.1	2011	BROADCAST ENGINEERING CONSULTANTS INDIA LTD	Vol-1	Page 42, Clause 3.6.1-Technical Bid Criteria and Evaluation. SI No. B5. VMS (OEM Criteria)	No. of Surveillance projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the VMS proposed by the Bidder is fully operational and integrated with Central Control Centre/ Room and consisting of at least 1000 IP CCTV Cameras in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis.	No. of Surveillance projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the VMS proposed by the Bidder is fully operational and integrated with Central Control Centre/ Room and consisting of at least 1000 IP CCTV Cameras in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis. OEM Shall have supplied minimum 1500 Cameras with own VMS Software for seamless integration in last 4 years Number of Projects Marks >= 5 Projects 5 3 to 4 Projects 4 1 Project 1 Copy of Completion Certificates from Client mentioning name of VMS Software. OEM to provide PO Copy as reference document	Refer Addendum for Vol -1

Vol.1	2012	BROADCAST ENGINEERING CONSULTANTS INDIA LTD	Vol-1	Page 39, Clause 3.6.1-Technical Bid Criteria and Evaluation.		Additional point to be added for experience of MAN/WAN network as the project is having large amount of backbone network implementation	Refer Addendum for Vol -1
Vol.1	2013	BROADCAST ENGINEERING CONSULTANTS INDIA LTD	Vol-1	Page 39, Clause 3.6.1-Technical Bid Criteria and Evaluation.		Wireless Network is a crucial component for the project for automated signalling system. Bidder experience should be included for proper implementation.	Refer Addendum for Vol -1
Vol.1	2014	BROADCAST ENGINEERING CONSULTANTS INDIA LTD	Vol-1	Page 42, Clause 3.6.1-Technical Bid Criteria and Evaluation. SI No. B6	The Sole Bidder or any consortium member (in case of consortium) have been awarded and successfully designed, executed & commissioned and Operation Maintenance of Data Centre Project for any State/Central Government Department or Central/State PSUs/Smart City in India of minimum value of INR 10 Crores per projects during last Seven (&) years (as on Bid Submission date)	The Sole Bidder or any consortium member (in case of consortium)/OEM have successfully designed, executed & commissioned and Operation Maintenance of Data Centre Project for any State/Central Government Department or Central/State PSUs/Smart City in India of minimum value of INR 10 Crores per projects during last Seven (&) years (as on Bid Submission date)	Refer Addendum for Vol -1
Vol.1	2019	Brij Systems Limited	Vol-1	Page 57, Table 1(Pre Qualification Requirements), SI No. 2 'A'	A. The Sole Bidder shall have an average annual turnover of INR 250 Crore over the last three (3) financial years. In case of consortium: o Lead Bidder should have minimum 60% of the Average Annual Turnover requirement o Each consortium member should have minimum 30% of the Average Annual Turnover requirement o All members together should meet INR 250 Crore Average Annual Turnover requirement	A. The Sole Bidder shall have an average annual turnover of INR 250 Crore over the last three (3) financial years. In case of consortium: o Lead Bidder should have minimum 60% of the Average Annual Turnover requirement o Each consortium member should have minimum 30% of the Average Annual Turnover requirement. In case, consortium member is MSME of same field then average annualturnover relaxation for MSME (not lead bidder) for last 3 years o All members together should meet INR 250 Crore Average Annual Turnover requirement	Refer Addendum for Vol -1
Vol.1	2020	Brij Systems Limited	Vol-1	Page 57, Table 1(Pre Qualification Requirements), SI No. 2 'B'	B. Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 200 Crore from the "specific business areas" mentioned below over the last three financial years with lead bidder should have minimum 60% average annual turnover requirement. o ICT Infrastructure o IT system integration services	B. Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 100 Crore from the "specific business areas" mentioned below over the last three financial years with lead bidder should have minimum 60% average annual turnover requirement. o ICT Infrastructure o IT system integration services	Refer Addendum for Vol -1

Vol.1	2021	Brij Systems Limited	Vol-1	Page 40, Clause 3.6.1- Technical Bid Criteria and Evaluation. S1 No. B2	Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project with the following components during last seven years (as on Bid Submission date) Components: · Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System AND · RLVD System / ANPR System Marks shall be allotted as below: Number of Projects Marks >= 3 Projects 10 2 Projects 8 1 Project 6	The criteria should be made applicable to OEMs as it has been done for ICCC & VMS in Vol-1, Page 42, Clause 3.6.1- Technical Bid Criteria and Evaluation. S1 No B.4.2 & B5	Refer Addendum for Vol -1
Vol.1	2022	Brij Systems Limited	Vol-1	Page 42, Clause 3.6.1- Technical Bid Criteria and Evaluation. S1 No. B6	The Sole Bidder or any consortium member (in case of consortium) have been awarded and successfully designed, executed & commissioned and Operation Maintenance of Data Centre Project for any State/Central Government Department or Central/State PSUs/Smart City in India of minimum value of INR 10 Crores per projects during last Seven (&) years (as on Bid Submission date)	The Sole Bidder or any consortium member (in case of consortium) have successfully designed, executed & commissioned and Operation Maintenance of Data Centre Project for any State/Central Government Department or Central/State PSUs/Smart City in India of minimum value of INR 5 Crores per projects during last Seven (&) years (as on Bid Submission date)	Refer Addendum for Vol -1
Vol.1	2045	Trafitek Solutions Private Limited (2nd set)	Vol 1 3.5. Pre-Qualification Criteria	33	The Sole Bidder or Lead Bidder (in case of consortium) should be: <input type="checkbox"/> An Indian firm. <input type="checkbox"/> Registered under the Companies Act 1956/ 2013 <input type="checkbox"/> In operation in India for a period of at least 5 years as on date of bid submission.	The Sole Bidder or Lead Bidder (in case of consortium) should be: of bid submission. Consortium members: including Lead Bidder. 1956/ 2013 of bid submission. For Global companies to provide equivalent proof of incorporation/ registration	Refer Addendum for Vol -1
Vol.1	2046	Trafitek Solutions Private Limited (2nd set)	Vol 1 3.5. Pre-Qualification Criteria	34	2 B. Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 200 Crore from the "specific business areas" mentioned below over the last three financial years with lead bidder should have minimum 60% average annual turnover requirement. . o ICT Infrastructure o IT system integration services	Kindly amend the clause as: "2 B. Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 200 Crore from the "specific business areas" mentioned below over the last three financial years o ICT Infrastructure o IT system integration services"	Refer Addendum for Vol -1
Vol.1	2047	Trafitek Solutions Private Limited (2nd set)	Vol 1 3.5. Pre-Qualification Criteria	35	The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India.	The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 500 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India.	Refer Addendum for Vol -1

Vol.1	2048	Trafitek Solutions Private Limited (2nd set)	Vol 1 3.6.1 Technical Bid Criteria & Evaluation	39	"A2 - Manpower Full time employee (FTE) on payroll of Sole bidder or Lead bidder (in case of consortium) working in the business unit providing "specific business areas" as mentioned in the above criteria as on date of release of RFP. Marks shall be allotted as given below:" Number of FTE Marks >500 FTE 4 >400 FTE to <=500 FTE 3 >300 FTE to <=400 FTE 2 <=300 FTE 1	"Kindly amend the clause as: ""A2 - Manpower Full time employee (FTE) on payroll of Sole bidder or Lead bidder (in case of consortium) as on date of release of RFP. Marks shall be allotted as given below:""" Number of FTE Marks >500 FTE 4 >400 FTE to <=500 FTE 3 >300 FTE to <=400 FTE 2 <=300 FTE 1	Refer Addendum for Vol -1
Vol.1	2049	Trafitek Solutions Private Limited (2nd set)	Vol 1 3.6.1 Technical Bid Criteria & Evaluation	40	B1 City Surveillance Projects The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on City surveillance with video analytics system of minimum value of INR 15 Crores during last seven years (as on Bid Submission date) per project.	B1 City Surveillance Projects The Sole Bidder or any consortium member (in case of consortium) or dedicated OEM should have been awarded and successfully designed, executed & commissioned project(s) on City surveillance with video analytics system of minimum value of INR 15 Crores during last seven years (as on Bid Submission date) per project.	Refer Addendum for Vol -1
Vol.1	2050	Trafitek Solutions Private Limited (2nd set)	Vol 1 3.6.1 Technical Bid Criteria & Evaluation	40	"B2 Integrated Traffic Management System The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project with the following components during last seven years (as on Bid Submission date) Components: Adaptive Traffic Control System AND Marks shall be allotted as below" Number of Projects Marks >= 3 Projects 10 2 Projects 8 1 Project 6	"B2 Integrated Traffic Management System The Sole Bidder or any consortium member (in case of consortium) or dedicated OEM to MSI should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project globally with the following components during last seven years (as on Bid Submission date) Components: Adaptive Traffic Control System" Number of Projects Marks >= 3 Projects 10 2 Projects 8 1 Project 6	Refer Addendum for Vol -1
Vol.1	2051	Trafitek Solutions Private Limited (2nd set)	Vol 1 3.6.1 Technical Bid Criteria & Evaluation	41	B3 Certification The Sole Bidder or consortium Copies of valid certificates in the name of the bidding entity Note: In case of Consortium, all the criteria should be met by a single member of the consortium	B3 Certification The Sole Bidder or consortium or OEM shall have Copies of valid certificates.	Refer Addendum for Vol -1
Vol.1	2052	Trafitek Solutions Private Limited (2nd set)	Vol 1 3.6.1 Technical Bid Criteria & Evaluation	41	B3 Certification CMM level 3 or above certification	Request you to relax as this is towards software development.	Tender condition shall prevail

Vol.1	2053	Trafitek Solutions Private Limited (2nd set)	Vol 1 3.6.1 Technical Bid Criteria & Evaluation	41	B4.1 Design, Build and Maintenance of Integrated Command and Control Centre (Bidder Criteria) The Sole Bidder or any consortium member (in case of consortium) have been awarded and successfully designed, executed & commissioned and Operation & Maintenance of Integrated command & control room/ emergency response centre /Security and Surveillance control room/ Surveillance control room built for any State/ Central Government Department or Central/ State PSUs/ Smart City in India of minimum value of INR 5 Crores per projects during last Seven (7) years (as on Bid Submission date)	B4.1 Design, Build and Maintenance of Integrated Command and Control Centre (Bidder Criteria) The Sole Bidder or any consortium member (in case of consortium) or from proposed OEM shall have been awarded and successfully designed, executed & commissioned and Operation & Maintenance of Integrated command & control room/ emergency response centre /Security and Surveillance control room/ Traffic control room built for any State/ Central Government Department or Central/ State PSUs/ Smart City in India of minimum value of INR 5 Crores per projects during last Seven (7) years (as on Bid Submission date)	Tender conditions shall prevail.
Vol.1	2066	MobiNext Technologies Private Limited	Vol-1			As per Pre-Qualification Criteria, the bidder should have turnover of 250 CR. Does MSME has any exemption in turnover criteria? Does MSME has exemption for EMD? Does the bidder need office in Assam at the time of bidding?	Refer Addendum for Vol -1
Vol.1	2067	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 2.8. Earnest Money Deposit (EMD)	Page 16 of 104	The bid document must be accompanied by the Earnest Money Deposit of Rs. 2,59,00,000/- (Rupees Two Crore, Fifty-Nine Lakhs only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank.	1. We request you to kindly accept EMD in the form of Bank Guarantee from Nationalized/Scheduled bank. We request to allow us to submit original EMD in the form of Bank Guarantee at your office premises on or before the last date of bid submission. Please confirm. 2. Request you to kindly provide Bank Guarantee format for Earnest Money Deposit and EMD validity period. 3. We understand that Earnest Money Deposit (EMD) is INR 2,15,00,000/- (INR. Two Crore, Fifteen Lakhs only) as given in Vol-1, 1.3 Bid Data Sheet. Please confirm and kindly amend the clause as "The bid document must be accompanied by the Earnest Money Deposit of Rs.INR 2,15,00,000/- 2,59,00,000/-" 4. As per the guidelines of Dept. of Financial Services, Ministry of Finance, Govt. of India (MOF), a separate advice of Bank Guarantee is to be sent to the advising bank i.e.. Beneficiary's bank through SFMS only, after which only paper Bank Guarantee could become operative. In view of above we request you to provide us following details: - Beneficiary's Bank & branch name - Bank Code - IFSC code -	Refer Addendum for Vol -1 Refer Addendum for Vol -1

Vol.3	2068	L&T Smart World & Communication	Volume 3: Master Service Agreement, 43.6.1. Implementation Phase Related Performance Levels	Page 33 of 50	<p>Team mobilization and commencement of work: Definition: SI is expected to mobilize project team for commencement of work. Commencement of work would mean reporting and availability of SI's resources (90% Key Personnel as per the RFP requirement) at the Authority's office for the project within defined period of 15 days and remaining 10% in next 15 days) Target: Within 15 days of Issuance of LOI or Contract Agreement, whichever is earliest Penalty: Delay beyond 7 calendar days = 0.2% of the contract value Delay beyond 8-15 calendar days = 0.5% of the contract value Delay beyond 15 days may lead to Termination of the Contract at the discretion of the Authority</p>	SI shall be responsible for overall delivery of the project as per scope of work within the timeline specified in RFP. So we request you to remove this penalty and termination clause for Team mobilization and commencement of work.	Refer Addendum for Vol -3
Vol.1	2073	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 4.6. Mobilization Advance	Page 51 of 104	<p>The Employer will, if requested by the CONTRACTOR, make mobilization advance payments of 10(%) percent of the Awarded Contract Value to the CONTRACTOR to assist in defraying the initial expenses that will necessarily be incurred by the CONTRACTOR for mobilization and design. The Mobilization Advance will be given to the CONTRACTOR with Simple Interest of 10 % (Percent) per annum. The Advance payment will be made in two equal installments of 5% (five percent) of the contract price. Advance payment will be paid only after CONTRACTOR submitting unconditional and irrevocable Bank guarantee for an amount equivalent to 110 % (one Hundred and Ten percent) of each installment.</p>	We request GSCL to give interest-free mobilization advance of 10% of contract value within 15 days from the release of LOI/Request order, whichever is earlier, against submission of bank guarantee of requested amount and this Advance Bank Guarantee (ABG) shall be returned to the Contractor, without any interest, post recovery of the entire advance amount paid to the Contractor during execution of the project.	Response to this query provided above may be referred.
Vol.1	2074	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 4.6. Mobilization Advance	Page 52 of 104	Deduction of Mobilization Advance: Mobilization advance shall be deducted starting from Second Interim Payment certificate @ of 10 % (Percent) of the certified amount of Interim payment certificate and to be recovered fully prior to the time when 90 percent (90%) of the work is completed.	We request you to amend the clause as: "Mobilization advance shall be adjusted proportionately among Schedule-B Payment Release."	Response to this query provided above may be referred.
Vol.1	2075	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 4.6. Mobilization Advance	Page 52 of 104	A bank Guarantee of 110 (%) percent against the Mobilization advance is to be submitted. The mobilization advances and interest on it shall be adjusted and recovered in the Interim Payment Certificates raised by the Contractor for the work completed as mentioned above. The bank Guarantee submitted against mobilization advance has to be valid till completion of the work. In case, the Contractor fails to mobilize necessary manpower, machinery, materials and any necessary procurement or purchase to start the preliminary work, the bank guarantee against mobilization advance may be forfeited and will lead to the termination of contract.	We request you to amend the clause as below: A bank Guarantee of 100 % 110 (%) percent against the Mobilization advance is to be submitted. The mobilization advances shall be adjusted proportionately among Schedule-B Payment Release. and interest on it shall be adjusted and recovered in the Interim Payment Certificates raised by the Contractor for the work completed as mentioned above. The bank Guarantee submitted against mobilization advance has to be valid till completion of the work. In case, the Contractor fails to mobilize necessary manpower, machinery, materials and any necessary procurement or purchase to start the preliminary work, the bank guarantee against mobilization advance may be forfeited and will lead to the termination of contract.	Response to this query provided above may be referred.

Vol.1	2079	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 3.5. Pre-Qualification Criteria	Page 34 of 104	<p>2 A. The Sole Bidder shall have an average annual turnover of 250 Crore over the last three (3) financial years.</p> <ul style="list-style-type: none"> o Lead Bidder should have minimum 60% of the Average Annual Turnover requirement o Each consortium member should have minimum 30% of the Average Annual Turnover requirement o All members together should meet 250 Crore Average Annual Turnover requirement <p>B. Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 200 Crore from the “specific business areas” mentioned below over the last three financial years with lead bidder should have minimum 60% average annual turnover requirement. .</p> <ul style="list-style-type: none"> o ICT Infrastructure o IT system integration services 	<p>We request you to kindly amend criteria as follows:</p> <p>2 A. The Sole Bidder shall have an average annual turnover of 500 250 Crore over the last three (3) financial years.</p> <ul style="list-style-type: none"> o Lead Bidder should have minimum 60% of the Average Annual Turnover requirement o Each consortium member should have minimum INR 50 Cr 30% of the Average Annual Turnover requirement o All members together should meet 500 250 Crore Average Annual Turnover requirement <p>B. Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 300 200 Crore from the “specific business areas” mentioned below over the last three financial years with lead bidder should have minimum 60% average annual turnover requirement. .</p> <ul style="list-style-type: none"> o ICT Infrastructure o IT/ICT system integration services 	Refer Addendum for Vol -1
Vol.1	2080	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 3.5. Pre-Qualification Criteria	Page 35 of 104	<p>3 The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India.</p>	<p>We request you to kindly amend criteria as follows:</p> <p>3 The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1500 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India.</p>	Refer Addendum for Vol -1
Vol.1	2081	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 3.5. Pre-Qualification Criteria	Page 35 of 104	<p>4 The Sole Bidder or the Lead Bidder should have positive net worth as per the audited consolidated financial statements for last 3 financial years</p>	<p>We request you to kindly amend criteria as follows:</p> <p>4 The Sole Bidder or the Lead Bidder should have positive net worth of minimum INR 150 Crore and other consortium members should have positive networth of INR 10 Crore as per the audited consolidated financial statements for last 3 financial years.</p>	Refer Addendum for Vol -1
Vol.1	2082	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 3.5. Pre-Qualification Criteria	Page 35-36 of 104	<p>8 The bidder (or any Consortium member) should have experience of setting up and Operation & Maintenance of Data centre built for Central / State Government Department or Central/State Public Sector Units (PSUs)/ Smart City and other Government establishment in India during last Seven (7) years as on Bid Submission date</p> <p>Note: bidder shall not be considered for above purpose. the experience of parent company would be considered for eligibility.</p>	<p>We request you to kindly amend criteria as follows:</p> <p>8 The bidder (or any Consortium member) should have experience of setting up and Operation & Maintenance of Data centre built for Central / State Government Department or Central/State Public Sector Units (PSUs)/ Smart City and other Government establishment in India during last Seven (7) years as on Bid Submission date</p> <p>Note: bidder shall not be considered for above purpose. the experience of parent company would be considered for eligibility.</p>	Refer Addendum for Vol -1

Vol.1	2083	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 3.5. Pre-Qualification Criteria	Page 33 of 104	in case of a consortium, duly signed by the authorized signatory, holding a written special power of attorney for this bid on a stamp paper, authorizing the lead bidder incur liabilities and receive instructions for and on behalf of any and all consortium members, and the entire execution of the Contract, including but not limited to payments.	We request you to kindly delete this clause as the specified points of undertaking are already mentioned in consortium agreement.	Bidder shall provide reference of Consortium Agreement as a documentary evidence in support of this Pre-Qualification Requirement.
Vol.1	2084	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 3.6.1 Technical Bid Criteria & Evaluation	Page 39 of 104	A Bidder Profile (Max. 10 marks) A1 Annual TurnOver Average annual turnover of Sole bidder or Consortium over the last three Financial years Marks shall be allotted as given below More than 500 Cr.- 6 marks >400 Cr. To <=500 Cr. - 5 marks >300 Cr. To <=400 Cr.- 4 marks >250 Cr. To <=300 Cr.- 3 marks	We request you to kindly amend criteria as follows: A1 Annual TurnOver Average annual turnover of Sole bidder or Consortium over the last three Financial years Marks shall be allotted as given below More than 1000 500 Cr.- 6 marks > 800 400 Cr. To <= 1000 500 Cr. - 5 marks > 600 300 Cr. To <= 800 400 Cr.- 4 marks > 500 250 Cr. To <= 600 300 Cr.- 3 marks	Refer Addendum for Vol -1
Vol.1	2085	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 3.6.1 Technical Bid Criteria & Evaluation	Page 40 of 104	B1 City Surveillance Projects The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on City surveillance with video analytics system of minimum value of INR 15 Crores during last seven years (as on Bid Submission date) per project.	We request you to kindly amend criteria as follows: B1 City Surveillance Projects The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on City surveillance with video analytics system of minimum project value of INR 100 15 Crores during last seven years (as on Bid Submission date) per project.	Refer Addendum for Vol -1
Vol.1	2086	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 3.6.1 Technical Bid Criteria & Evaluation	Page 40 of 104	B2 Integrated Traffic Management System The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project with the following components during last seven years (as on Bid Submission date) Components: Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System AND RLVD System / ANPR System	We request you to kindly amend criteria as follows: B2 Integrated Traffic Management System The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum project value of INR 100 7 Crores per project with the following components during last seven years (as on Bid Submission date) Components: Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System AND RLVD System / ANPR System	Refer Addendum for Vol -1

Vol.1	2087	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 3.6.1 Technical Bid Criteria & Evaluation	Page 41 of 104	<p>B3 Certifications The Sole Bidder or any consortium member (in case of consortium) having followings Valid certifications</p> <ul style="list-style-type: none"> • ISO 20000(latest) for IT Service Management • ISO 27001(latest) for Information Security Management System • CMM level 3 or above certification <p>Profile Marks Three of the above 5 Any two of the above 4 Any one of the above 3</p> <p>Supporting Documents required The Sole Bidder or consortium Copies of valid certificates in the name of the bidding entity Note: In case of Consortium, all the criteria should be met by a single member of the consortium</p>	<p>We request you to kindly amend criteria as follows: B3 Certifications The Sole Bidder or any consortium member (in case of consortium) having followings Valid certifications</p> <ul style="list-style-type: none"> • ISO 9001 (latest) • ISO 20000(latest) for IT Service Management • ISO 27001(latest) for Information Security Management System • CMM level 3 or above certification <p>Profile Marks Three of the above 5 Any two of the above 4 Any one of the above 3</p> <p>Supporting Documents required The Sole Bidder or consortium Copies of valid certificates in the name of the bidding entity Note: In case of Consortium, all the criteria should be met by a single member of the consortium</p>	Tender conditions shall prevail.								
Vol.1	2088	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 3.6.1 Technical Bid Criteria & Evaluation	Page 41 of 104	<p>B4.1 Design, Build and Maintenance of Integrated Command and Control Centre (Bidder Criteria) The Sole Bidder or any consortium member (in case of consortium) have been awarded and successfully designed, executed & commissioned and Operation & Maintenance of Integrated command & control room/ emergency response centre /Security and Surveillance control room/ Surveillance control room built for any State/ Central Government Department or Central/ State PSUs/ Smart City in India of minimum value of INR 5 Crores per projects during last Seven (7) years (as on Bid Submission date)</p>	<p>We request you to kindly amend criteria as follows: B4.1 Design, Build and Maintenance of Integrated Command and Control Centre (Bidder Criteria) The Sole Bidder or any consortium member (in case of consortium) have been awarded and successfully designed, executed & commissioned and Operation & Maintenance of Integrated command & control room/ emergency response centre /Security and Surveillance control room/ Surveillance control room built for any State/ Central Government Department or Central/ State PSUs/ Smart City in India of minimum value of INR 10 5 Crores per projects during last Seven (7) years (as on Bid Submission date)</p>	Refer Addendum for Vol -1								
Vol.1	2089	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 3.6.1 Technical Bid Criteria & Evaluation	Page 42 of 104	<p>B4.2 Integrated Command and Control Centre Solution (OEM Criteria) No. of projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the ICCC Solutions proposed by the Bidder is fully operational and integrated with multiple applications like Surveillance, ITMS etc. in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis. Supporting Documents required: Copy of Completion Certificates from Client mentioning name of CCC Software.</p>	<p>We request you to kindly amend criteria as follows to enable participation of many OEMs and to avoid any undue advantage to bidders in terms of markings against this criteria. B4.2 Integrated Command and Control Centre Solution (OEM Criteria) No. of projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the ICCC Solutions proposed by the Bidder is fully operational and integrated with multiple applications like Surveillance, ITMS etc. in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis.</p> <table border="0"> <tr> <td>Number of Projects</td> <td>Marks</td> </tr> <tr> <td>>= 3 Projects</td> <td>5</td> </tr> <tr> <td>2 to 3 Projects</td> <td>4</td> </tr> <tr> <td>1 Project</td> <td>3</td> </tr> </table> <p>Supporting Documents required: Copy of Completion Certificates/Purchase Orders from Client/SI mentioning name of CCC Software.</p>	Number of Projects	Marks	>= 3 Projects	5	2 to 3 Projects	4	1 Project	3	Refer Addendum for Vol -1
Number of Projects	Marks														
>= 3 Projects	5														
2 to 3 Projects	4														
1 Project	3														

Vol.1	2090	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 3.6.1 Technical Bid Criteria & Evaluation	Page 42 of 104	<p>B5 VMS (OEM Criteria) No. of Surveillance projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the VMS proposed by the Bidder is fully operational and integrated with Central Control Centre/ Room and consisting of at least 1000 IP CCTV Cameras in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis. Supporting Documents required: Copy of Completion Certificates from Client mentioning name of VMS Software.</p>	<p>We request you to kindly amend criteria as follows to enable participation of many OEMs. B5 VMS (OEM Criteria) No. of Surveillance projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the VMS proposed by the Bidder is fully operational and integrated with Central Control Centre/ Room and consisting of at least 1000 IP CCTV Cameras in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis. Number of Projects Marks >= 3 Projects 5 2 to 3 Projects 4 1 Project 3 Supporting Documents required: Copy of Completion Certificates/Purchase Orders from Client/SI mentioning name of VMS Software.</p>	Refer Addendum for Vol -1
Vol.1	2091	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 3.6.1 Technical Bid Criteria & Evaluation	Page 42 of 104	<p>B6 Design, Build and Maintenance of Data Centre The Sole Bidder or any consortium member (in case of consortium) have been awarded and successfully designed, executed & commissioned and Operation & Maintenance of Data Centre Project for any State/ Central Government Department or Central/ State PSUs/ Smart City in India of minimum value of INR 10 Crores per projects during last Seven (7) years (as on Bid Submission date)</p>	<p>We request you to kindly amend criteria as follows to enable participation of many OEMs. B6 Design, Build and Maintenance of Data Centre The Sole Bidder or any consortium member (in case of consortium) have been awarded and successfully designed, executed & commissioned and Operation & Maintenance of Data Centre Project for any State/ Central Government Department or Central/ State PSUs/ Smart City in India of minimum value of INR 20 10 Crores per projects during last Seven (7) years (as on Bid Submission date)</p>	Tender conditions shall prevail.

Vol.1	2092	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 3.5. Pre-Qualification Criteria	Page 36-37 of 104	<p>Note:</p> <p>1. Following documentary evidence (Citation, copy of completion / ongoing client certificate and work order/Contract/self- certificate) is required for all project experience from the Sole Bidder/ Consortium member.</p> <p>a) Copy of Work order/ Contract clearly highlighting the scope of work, Bill of Material and Contract Value signed by the competent authority of the client.</p> <p>b) Project completion certificate (clearly indicating Commencement date, Completion Date and Value of Work done) signed by the competent authority of the client as per format given in Section 7.4.</p> <p>c) In case of ongoing projects with operations & maintenance scope, the completion certificate should specify successful execution and in-operation status of a part of the order meeting the requirement. To substantiate this, a certificate from the Competent Authority of the Client/ Chartered Accountant/ Statutory Auditor has to be provided.</p> <p>d) Bidder should submit the Self-certification (the format of the self-certificate is provided in Section 6.8 of RFP volume I), clearly mentioning project details like scope, value, duration, Project Completion Status, client details etc. The self-certificate shall be signed on the company's letter head duly signed by Company Secretary or Charter Accountant.</p>	<p>Request you to kindly amend the clause as follows Note:</p> <p>1. Following documentary evidence (Citation, copy of completion / ongoing client certificate and work order/Contract/self- certificate) is required for all project experience from the Sole Bidder/ Consortium member.</p> <p>a) Copy of Work order/ Contract clearly highlighting the scope of work, Bill of Material and Contract Value signed by the competent authority of the client.</p> <p>b) Project completion certificate/Go-Live certificate/Phase Completion Certificate (clearly indicating Commencement date, Completion Date and Value of Work done) signed by the competent authority of the client as per format given in Section 7.4.</p> <p>c) In case of ongoing projects with operations & maintenance scope, the completion certificate should specify successful execution and in-operation status of a part of the order meeting the requirement. To substantiate this, a certificate from the Competent Authority of the Client/ Chartered Accountant/ Statutory Auditor has to be provided.</p> <p>d) Bidder should submit the Self-certification (the format of the self-certificate is provided in Section 6.8 of RFP volume I), clearly mentioning project details like scope, value, duration, Project Completion Status, client details etc. The self-certificate shall be signed on the company's letter head duly signed by authorized signatory. Company Secretary or Charter Accountant.</p>	Refer Addendum for Vol -1
Vol.1	2093	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 3.5. Pre-Qualification Criteria	Page 37 of 104	<p>2. In case the experience shown is that of the bidder's parent / subsidiary /sister concern company, than the following additional documents are required:</p> <p>• Certificate signed by the Company Secretary/statutory Auditor/2 Board of Directors of the bidder certifying that the entity whose experience is shown is parent/subsidiary/sister concern Company.</p>	<p>Request you to kindly amend the clause as follows</p> <p>2. In case the project experience (Technical) shown is that of the bidder's parent / 100% subsidiary /sister concern company, than the following additional documents are required:</p> <p>• Certificate signed by the Company Secretary/statutory Auditor/2 Board of Directors of the bidder certifying that the entity whose experience is shown is parent/subsidiary/sister concern Company.</p>	Refer Addendum for Vol -1
Vol.1	2094	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 3.5. Pre-Qualification Criteria	Page 37 of 104	<p>4. Bidder (or consortium member if any) may submit the Self-certification, clearly mentioning project details like scope, value, duration, client details etc. as required for the evaluation criteria. The self-certificate shall be signed on the company's letter head duly signed by Company Secretary or Charter Accountant.</p>	<p>We request you to kindly delete this clause.</p>	Refer Addendum for Vol -1

Vol.1	2099	L&T Smart World & Communication	Volume 1: Instruction to Bidders 3.6.1 Technical Bid criteria and Evaluation	Page 44 of 104	Proof of Concept (POC) 1. Need to demonstrate the ICCC Control Room setup with visualization (2*2 Screen – 5 Marks) 2. Integration with Security & Surveillance System (Surveillance Cameras, SVD, RLVD & ANPR – 5 Marks) POC to be performed as per use case to be provided by GSCL/ GSCL nominated agency	Kindly share the Use cases to be performed in POC.	Will be communicated to pre-qualified bidders.
Vol.1	2100	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 3.6.3 Key Personnel Criteria	Page 46 of 104	1 Project Manager a. Education: Full Time MCA/ M.Tech/ B.Tech/ B.E. from a reputed institute b. Total Experience: At least 12 years in IT sector c. Should have more than 5 years of experience of handling such large projects as a project manager d. Should have PMP or Prince2 certification e. Should preferably have e-Governance project experience	Request you to kindly amend the clause as follows 1 Project Manager a. Education: Full Time MCA/ M.Tech/ B.Tech/ B.E. from a reputed institute b. Total Experience: At least 12 years in IT/ICT sector c. Should have more than 5 years of experience of handling such large projects as a project manager d. Should have PMP or Prince2 certification e. Should preferably have e-Governance project experience	Refer Addendum for Vol -1
Vol.1	2101	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 3.6.3 Key Personnel Criteria	Page 46 of 104	2 Integrated Command and Control Centre (ICCC) Expert a. Education: Full time M. Tech/ B. Tech/ B.E. from a reputed institute b. Experience: Minimum 10 years of IT experience c. Should have experience in Control and Command Centre implementation for minimum 2 projects	Request you to kindly amend the clause as follows 2 Integrated Command and Control Centre (ICCC) Expert a. Education: Full time M. Tech/ B. Tech/ B.E./MCA from a reputed institute b. Experience: Minimum 10 years of IT/ICT experience c. Should have experience in Control and Command Centre implementation for minimum 2 projects	Refer Addendum for Vol -1
Vol.1	2102	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 3.6.3 Key Personnel Criteria	Page 46-47 of 104	3 Solution Architect b. Total Experience: At least 10 years in IT sector 4 Network & Security Infrastructure Expert b. Experience: Minimum 10 years of IT experience 5 Security & Surveillance Expert b. Total Experience: At least 10 years in IT sector 6 Integrated Traffic Management Expert b. Total Experience: At least 10 years in IT sector 7 Server & Storage Expert b. Total Experience: At least 10 years in IT sector	Request you to kindly amend the clauses as follows 3 Solution Architect b. Total Experience: At least 10 years in IT/ICT sector 4 Network & Security Infrastructure Expert b. Experience: Minimum 10 years of IT/ICT experience 5 Security & Surveillance Expert b. Total Experience: At least 10 years in IT/ICT sector 6 Integrated Traffic Management Expert b. Total Experience: At least 10 years in IT/ICT sector 7 Server & Storage Expert b. Total Experience: At least 10 years in IT/ICT sector	Refer Addendum for Vol -1
Vol.1	2103	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 2.8. Earnest Money Deposit (EMD)	Page 16 of 104	The EMD may be forfeited in any of the following circumstances: a. If a bidder withdraws its bid during the period of bid validity. b. In case of a successful bidder, if the bidder fails to submit the performance bank guarantee and/or sign the contract in accordance with this RFP.	Request you to kindly amend clause as: The EMD may be forfeited in any of the following circumstances: a. If a bidder withdraws its bid during the period of bid validity. b. In case of a successful bidder, if the bidder fails to submit the performance bank guarantee and/or sign the contract in accordance with this RFP.	Tender conditions shall prevail.

Vol.1	2104	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 3.6.4 Manpower Deployment	Page 47 of 104	3.6.4 Manpower Deployment SI shall deploy Manpower during implementation and O&M phases. The deployed resource shall report to GSCL Project In-charge for Smart City Project and work closely with Program Management Office of the project. Following are the minimum resources required to be deployed in the Project (Price should be quoted accordingly in commercial bid format), however SI may deploy additional resources based on the need of the Project and to meet the defined SLAs in this RFP:	There are no separate line items in Price Bid BOQ for quoting manpower charges during implementation and O&M. Kindly clarify.	Bidder has to load the manpower deployment cost in the O&M schedule and no separate line item shall be provided.
Vol.1	2105	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 3.6.4 Manpower Deployment	Page 48 of 104	<u>Minimum Deployment during Operation and Maintenance phase 4</u> Network & Security Infrastructure Expert - 100% 5 Security & Surveillance Expert - 100% 6 Integrated Traffic Management Expert - 100% 7 Server & Storage Expert - 100%	We request you to kindly modify as mentioned below: Minimum Deployment during Operation and Maintenance phase 4 Network & Security Infrastructure Expert - Onsite Support to Project team on need basis 100% 5 Security & Surveillance Expert - Onsite Support to Project team on need basis 100% 6 Integrated Traffic Management Expert - Onsite Support to Project team on need basis 100% 7 Server & Storage Expert - Onsite Support to Project team on need basis 100%	Tender conditions shall prevail.
Vol.3	2113	L&T Smart World & Communication	Volume 3: Master Service Agreement 4.16 Civil and Electrical Works	Page 39 of 400	Electricity Charges for implementation and O&M period for all the systems has to be borne by the SI and cost of electricity will be reimbursed on monthly basis to SI by GSCL.	1. We understand that the One time electricity charges at all desired locations for field solution/Junctions shall be reimbursed to SI on submission of invoices on pro rata basis. One time Electricity charges shall be over & above the contract value and shall not be considered for financial bid evaluation. Kindly Confirm. 2. Power Recurring charges for all field locations/junctions, CCC,DC,DR and fuel charges for DG set for 5 years shall be borne by GSCL. Kindly Confirm. 3. Power connections during Implementation and O&M for ICC (Temporary and Permanent), DC, DR shall be under the scope of GSCL. Kindly Confirm.	For 1 & 2- Agreed For 3 .for temporary, SI has to arrange however, cost to state electricity department shall be reimbursible at actual and shall not be part of the contract price. For permanent, it shall be under the scope of GSCL.
Vol.3	2114	L&T Smart World & Communication	Volume 3: Master Service Agreement 27. Performance Security	Page 24 of 50	SI shall furnish Performance Security to the Authority at the time of signing the Contract which shall be equal to 10% of the value of the Contract and shall be in the form of a Bank Guarantee from a Nationalized / Scheduled Bank having branch at Guwahati in the Proforma given in Annexure 5 (a) RFP volume I within 15 days after issuance of letter of intent (LOI) or Letter of Award (LOA) which would be valid up to a period of six months (6) after the contract completion period i.e., 'Go- Live' + 60 months of O&M.	We request you to amend the clause as mentioned below: SI shall furnish Performance Security to the Authority : 1. At the time of signing the Contract - which shall be equal to 10% 5% of the value of the Contract and price quoted in Schedule A+Schedule B of Price Bid BOQ and the bank guarantee shall be valid till 'Go-Live'. 2. At the start of O&M phase - 5% of the value of the price quoted in Schedule C of Price Bid BOQ and the bank guarantee shall be valid till 60 months from the date of Go-Live. Performance Security shall be in the form of a Bank Guarantee from a Nationalized / Scheduled Bank having branch at Guwahati in the Proforma given in Annexure 5 (a) RFP volume I within 15 days after issuance of letter of intent (LOI) or Letter of Award (LOA) which would be valid up to a period of six months (6) after the contract completion period i.e., 'Go- Live' + 60 months of O&M.	Tender conditions shall prevail.

Vol.3	2115	L&T Smart World & Communication	Volume 3: Master Service Agreement 28. Liquidated Damages:	Page 24 of 50	<p>28.1 If SI fails to supply, install or maintain any or all of the goods as per the contract, within the time period(s) specified in the RFP Vol II, the Authority without prejudice to its other rights and remedies under the Contract, deduct from the Contract price, as liquidated damages, a sum equivalent to 0.1 % per week or part thereof of contract value for a milestone/quarter.</p> <p>28.2. The deduction shall not in any case exceed 10 % of the contract value.</p>	<p>We request you to amend the clauses as mentioned below:</p> <p>28.1 If SI fails to supply, install or maintain any or all of the goods as per the contract, within the time period(s) specified in the RFP Vol II, the Authority without prejudice to its other rights and remedies under the Contract, deduct from the Contract price, as liquidated damages, a sum equivalent to 0.1 % per week or part thereof of undelivered portion of contract value (excluding the O&M value quoted in Schedule - C of Price Bid BOQ) for a milestone/quarter for the deliverables.</p> <p>28.2. The deduction shall not in any case exceed 5% 10 % of the contract value.</p>	Tender conditions shall prevail.
Vol.3	2116	L&T Smart World & Communication	Volume 3: Master Service Agreement 29. Limitation of Liability:	Page 24 of 50	<p>SI, with respect to damage caused by SI to Authority's property, shall not be liable to Authority:</p> <p>(i) for any indirect or consequential loss or damage; and</p> <p>(ii) for any direct loss or damage that exceeds (A) the total payments payable under the Contract to SI hereunder, or (B) the proceeds SI may be entitled to receive from any insurance maintained by SI to cover such a liability, whichever of (A) or (B) is higher.</p> <p>This limitation of liability shall not affect SI liability, if any, for damage to Third Parties caused by SI or any person or company acting on behalf of SI in carrying out the Services.</p> <p>29.3. This limitation of liability shall not affect SI liability, if any, for damage to Third Parties caused by SI or any person or company acting on behalf of SI in carrying out the Services.</p>	<p>We understand the limitation of liability of SI shall be limited to 100% of contract value. Hence, request you to amend the clause as mentioned below:</p> <p>SI, with respect to damage caused by SI to Authority's property, shall not be liable to Authority:</p> <p>(i) for any indirect or consequential loss or damage; and</p> <p>(ii) for any direct loss or damage that exceeds (A) the total payments payable under the Contract to SI hereunder, or (B) the proceeds SI may be entitled to receive from any insurance maintained by SI to cover such a liability, whichever of (A) or (B) is higher. This limitation of liability shall not affect SI's direct liability, if any, for damage to Third Parties caused by SI's or any person or company acting on behalf of SI in carrying out the Services wilful misconduct and gross negligence, to extent permitted under law.</p> <p>29.3. This limitation of liability shall not affect SI liability, if any, for damage to Third Parties caused by SI or any person or company acting on behalf of SI in carrying out the Services.</p>	Refer Addendum for Vol -3
Vol.3	2117	L&T Smart World & Communication	Volume 3: Master Service Agreement 10. Bidder's Obligations	Page 9 of 50	<p>SI shall ensure that none of the Key Personnel (refer Section 3.6.2 of the RFP Volume I proposed) and manpower exit from the project during first 6 months of the beginning of the project. In such cases of exit, a penalty of INR 2 lakhs per such replacement shall be imposed on SI.</p>	<p>We request you to modify the clause as mentioned below:</p> <p>SI shall ensure that none of the Key Personnel (refer Section 3.6.2 of the RFP Volume I proposed) and manpower exit from the project due to reasons not in control of SI (like resignation of the resource, death or medical incapacity etc.) during first 6 months of the beginning of the project. In such cases of exit, a penalty of INR 2 lakhs 50,000 per such replacement shall be imposed on SI.</p>	Refer Addendum for Vol -3

Vol.3	2118	L&T Smart World & Communication	Volume 3: Master Service Agreement 14. Taxes	Page 17 of 50	14. Taxes	We request you to add the below clause: 14.7 If, after the date of this Agreement, there is any change of rate of levy under the existing applicable laws of India with respect to taxes and duties, which are directly payable by the Purchaser for providing the goods and services i.e. service tax or any such other applicable tax from time to time, which increase or decreases the cost incurred by the SI in performing the Services, then the remuneration and reimbursable expense otherwise payable to the SI under this Agreement shall be increased or decreased accordingly by correspondence between the Parties hereto. However, in case of any new or fresh tax or levy imposed after submission of the proposal the SI shall be entitled to reimbursement on submission of proof of payment of such tax or levy.	Refer Addendum for Vol -3
Vol.3	2119	L&T Smart World & Communication	Volume 3: Master Service Agreement 14. Taxes	Page 31 of 50	41.1. Liquidated Damages The liquidated damages shall come into effect once the notification of Award has been issued by the Authority. It would be mainly applicable on the implementation phase of the project.	We request you to modify the clause as mentioned below: The liquidated damages shall come into effect once the request order notification of Award has been issued by the Authority. It would be mainly applicable on the implementation phase of the project.	Tender conditions shall prevail
Vol.3	2120	L&T Smart World & Communication	Volume 3: Master Service Agreement 43. Penalties	Page 32 of 50	43.2. Performance Penalty for not meeting a measurement parameter for any two months in consecutive quarters shall result in twice the penalty percentage of that respective measurement parameter in the third quarter for all the three months 43.4. Three consecutive quarterly deductions of 30 % of the applicable fee on account of any reasons shall be deemed to be an event of default and termination as per Clause 35 of this Section of RFP respectively and the consequences as provided in Clause 36 of this section of RFP shall follow.	We request you to kindly delete these clauses.	Refer Addendum for Vol -3
Vol.1	2121	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 2.29. Eligible Goods and Services, and OEM Criteria	Page 28 of 104	h) The OEM for VMS proposed by the Bidder must be operational in minimum 2 City Surveillance projects in India with at least 1000 cameras in last 3 years as on date of submission of bid. Undertaking from OEM and successful completion/ installation report from client (State/ Central Government Department or Central/ State PSUs/ Smart City) needs to be submitted along with the bid documents. i) The ICCS Solution proposed by the Bidder must be operational in minimum 2 City wide projects in India with at least 1000 cameras/sensors in last 3 years. Undertaking from OEM and successful completion/ installation report from client (State / Central Government Department or Central /State PSUs/ Smart City) needs to be submitted along with the bid documents.	We request you to kindly delete these OEM criteria as the qualification criteria for VMS OEM and ICCS OEM is already given under Technical Bid Evaluation criteria. The deletion of these prerequisites for OEM will enable participation of more OEMs.	Tender conditions shall prevail.

Vol.1	2122	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 2.29. Eligible Goods and Services, and OEM Criteria	Page 28 of 104	c) The OEM for each products or technology quoted should be in the business of that product or solution or technology for at least 3 years as on the date of release of the RFP. f) The proposed OEM should have installed base of at least 20% of the quoted product in terms of volume in a single project.	1. We request you to confirm that MSMEs/Start-ups shall be exempted from this requirement of 3 years existence in business. 2. We request you to kindly remove the clause (f) to enable participation of MSME/Start-up.	Tender conditions shall prevail.
Vol.1	2123	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 2.29. Eligible Goods and Services, and OEM Criteria	Page 28 of 104	e) OEM to give declaration that offered product will not be end of life for minimum of 24 months from the date of bidding and the support for such offered product/s will be available for minimum of 10 years from the date of bidding.	We request you to modify clauses as below: e) OEM to give declaration that offered product will not be end of life for minimum of 24 months from the date of bidding and the support for such offered product/s will be available for minimum of 6 10 years from the date of bidding.	Agreed. Bidder to Refer Addendum of Vol. 1 "OEM to give declaration that offered product will not be end of life for minimum of 12 months from the date of bidding and the support for such offered product/s will be available for the period of 60 months from the date of Go-live."
Vol.1	2124	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 2.29. Eligible Goods and Services, and OEM Criteria	Page 28 of 104	m) All hardware items should to be quoted with 5 years warranty from OEM and onsite support and services. n) All software/subscription/licenses should be quoted with 5 years warranty, updates, upgrades (wherever applicable), support and services from OEM.	Request you to kindly amend the clause as below: m) All hardware items should to be quoted with 5 years warranty from OEM and onsite/offsite support and services. n) All software/subscription/licenses should be quoted with 5 years warranty, updates, upgrades (wherever applicable), support and services from OEM.	Tender conditions shall prevail.
Vol.1	2125	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 2.30. Right to vary quantity and change in scope	Page 29 of 104	a) At the time of award of contract and post award of work, the quantity of goods, works or services originally specified in the bidding documents may be increased or decreased. It shall be without any change in the unit prices or other terms and conditions of the Bid and the bidding documents.	We request you to kindly limit the quantity of variation to $\pm 15\%$ of the quantities specified in the bidding document.	Tender conditions shall prevail.
Vol.1	2126	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 2.30. Right to vary quantity and change in scope	Page 29 of 104	b) If the Authority does not procure any subject matter of procurement or procures less than the quantity specified in the bidding documents due to change in circumstances, the bidder shall not be entitled for any claim or compensation except otherwise provided in the bidding document. c) Fall Clause will be applicable as per Assam Government Procurement Manual.	We request you to kindly amend clauses as below: b) If the Authority does not procure any subject matter of procurement or procures less than the quantity specified in the bidding documents within the limit of quantity variation (+/-15%) due to change in circumstances, the bidder shall not be entitled for any claim or compensation except otherwise provided in the bidding document. c) Fall Clause will be applicable as per Assam Government Procurement Manual.	Tender conditions shall prevail.
Vol.1	2127	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 2.29. Eligible Goods and Services, and OEM Criteria	Page 27 of 104	b) The Bidder shall quote only one specific make and model for each of the goods. Providing more than one option for each component shall not be allowed.	We request you to kindly allow us to propose multiple makes for the auxiliary systems like Servers, Storage, Networking, Bandwidth, Cyber Security Solution, Junction boxes, Video Wall, Poles etc as the same are only support systems and do not play a role in the overall function of the project. This will enable the SI with optimal solution during the project execution and will benefit GSCL with competitive offers ensuring timely delivery of the project.	Tender conditions shall prevail.

Vol.1	2128	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 6.3. Company profile	Page 63 of 104	Copy of audited financial statements or declaration from the appointed statutory auditor/ CA to be provided as proof of the financial turnover. Self certified copy of Certificate from statutory auditor for Positive net worth as per audited consolidated financial statements for last three financial years shall be submitted.	We request you to amend the clause as below Copy of audited financial statements or declaration from the appointed statutory auditor/ CA to be provided as proof of the financial turnover. Self certified copy of Certificate from statutory auditor for Positive net worth as per audited consolidated financial statements for last three financial years shall be submitted.	Refer Addendum for Vol -1
Vol.1	2129	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 6.2. Pre-Qualification Bid Covering Letter	Page 61 of 104	a. We hereby acknowledge and unconditionally accept that the Authority can at its absolute discretion apply whatever criteria it deems appropriate, not just limiting to those criteria set out in the RFP and related documents, in short listing of Agency for providing services.	We request you to kindly amend clause as below: a. We hereby acknowledge and unconditionally accept that the Authority can at its absolute discretion apply whatever criteria it deems appropriate, not just limiting to those criteria set out in the RFP and related documents, in short listing of Agency for providing services.	Refer Addendum for Vol -1
Vol.3	2133	L&T Smart World & Communication	Volume 3: Master Service Agreement 8. Approvals and Required Consents	Page 7 of 50	8.1. The Authority shall extend necessary support to SI to obtain, maintain and observe all relevant and customary regulatory and governmental licenses, clearances and applicable approvals (hereinafter the "Approvals") necessary for SI to provide the Services. The costs of such Approvals shall be borne by SI. Both parties shall give each other all co-operation and information reasonably.	We request you to consider the payment for approvals to be made as per the invoices raised by the MSI and same shall not be part of contract agreement. Hence request you to modify the clause as mentioned below: The Authority shall extend necessary support to SI to obtain, maintain and observe all relevant and customary regulatory and governmental licenses, clearances and applicable approvals (hereinafter the "Approvals") necessary for SI to provide the Services. The costs of such Approvals shall be borne by SI Authority. Both parties shall give each other all co-operation and information reasonably.	Tender Conditions shall prevail. For more clarity, refer clause 4.6.4 /SI no 1/ Pg 24
Vol.3	2135	L&T Smart World & Communication	Volume 3: Master Service Agreement, 43.6.4. City surveillance & ICT Component related performance levels	Page 38 of 50	8 Repair / replacement of infrastructure equipment including: 1. CCTV Cameras (Fixed, PTZ, ANPR, RLVD, SVD) 2. ITMS Equipment' (ATSC) 3. Any other equipment (Switching, Networking, Electrical & Mechanical) Bidder should keep minimum 10% spare at any given point of project execution. Infrastructure equipment should be replaced or repaired after complaint logging from Authority officials	We understand that SI is required to maintain the spares for all the components minimum 5% or 2 no's whichever is more during O&M. Please confirm.	Refer Addendum for Vol -3
Vol.1	2136	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 7.10. Manufacturers'/Producers' Authorization Form	Page 83 of 104	In case at any stage, it is found that the information given above is false or incorrect, GSCL shall have the absolute right to take any action as deemed fit/without any prior intimation.	We request you to amend the clause as mentioned below: In case at any stage, it is found that the information given above is false or incorrect, GSCL shall have the absolute right to take any action as deemed fit/without any prior intimation. Seek clarification along with supporting documents.	Tender conditions shall prevail.

Vol.1	2137	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 7.10. Manufacturers'/Producers' Authorization Form	Page 82 of 104	(This form has to be provided by the OEMs of the hardware and software solutions proposed. This letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having the power of attorney to bind the manufacturer. This Form has to be submitted along with a list clearly mentioning the items for which the bidder is authorized to quote.)	As the list of items/goods are required to be mentioned in the format, we request you to kindly amend the clause as below (This form has to be provided by the OEMs of the hardware and software solutions proposed. This letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having the power of attorney to bind the manufacturer. This Form has to be submitted along with a list clearly mentioning the items for which the bidder is authorized to quote.)	Refer Addendum for Vol -1
Vol.1	2138	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 7.10. Manufacturers'/Producers' Authorization Form	Page 82 of 104	We also confirm that our offered product will not be end of life for minimum of 24 months from the date of bidding and the support for such offered product/s will be available for minimum of 10 years from the date of bidding.	Request you to amend the clause as: "We also confirm that our offered product will not be end of life for minimum of 24 months from the date of bidding and the support for such offered product/s will be available for minimum of 6 years 10 years from the date of bidding."	Refer Addendum for Vol -1
Vol.1	2139	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 2.1. General	Page 13 of 104	f. Bidder shall submit the Line of Credit for the amount of INR 21,59,00,000 (Twenty- One Crore , Fifty-Nine Lakhs Only) as per the format given in Annexure 9.	We understand that Line of Credit as per Annexure 9 has to be submitted by Sole Bidder/Lead Bidder. Please confirm.	Yes
Vol.1	2140	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 7.12.1. Details for Additional Required Items	Page 85 of 104	S. No of Price Bid BOQ Item 1.4.1 Item 2.2.1 Item 3.2.1 Item 4.2.1 Item 5.8.1 Item 7.4.1	The S.No mentioned in '7.12.1. Details for Additional Required Items' does not match with the S.No mentioned in Price Bid BOQ "BOQ_27684". Request you to kindly amend item numbers inline with Price Bid BOQ.	Agreed. Refer Addendum for Vol -1
Vol.1	2141	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 2.22. Confidentiality	Page 85 of 104	The employees of the successful Lead bidder and Consortium members who are proposed to be deployed on the project need to furnish a Non-Disclosure Agreement (NDA) as per RFP Volume III.	We understand that Non-Disclosure Agreement as per Annexure 5 in Volume 1 of RFP has to be submitted by the bidder after the award of contract. Please confirm.	Annexure-5 - Vol-I with the Bid. After Award of contract, All employees of Bidder shall have to sign a separate NDA, format of which shall be provided during implementation stage.
Vol.1	2142	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 11. Annexure 7 - Format for Power of Attorney to Authorize Signatory	Page 95 of 104	(Add in the case of a Consortium) Our firm is a Member or Lead bidder of the Consortium of _____, _____ and _____. Dated this the _____ day of _____ 2020	We request you to kindly remove this line from this format as the same is captured in detail in the format "Annexure 8 - Format for Power of Attorney for Lead bidder of Consortium".	Refer Addendum for Vol -1

Vol.1	2143	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 11. Annexure 7 - Format for Power of Attorney to Authorize Signatory & 12. Annexure 8 - Format for Power of Attorney for Lead bidder of Consortium	Page 95 of 104 & Page 97 of 104	11. Annexure 7 - Format for Power of Attorney to Authorize Signatory 12. Annexure 8 - Format for Power of Attorney for Lead bidder of Consortium [To be executed on non-judicial stamp paper of the appropriate value in accordance with relevant Stamp Act. The stamp paper to be in the name of the company who is issuing the power of attorney.]	We understand that Annexure 7 & 8 - Power of Attorney can be executed on non-judicial stamp paper of INR 100 duly attested by notary public. Please confirm.	Tender conditions shall prevail.
Vol.1	2144	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 2.10. Contents of Bid	Page 18 of 104	e. Bidder shall submit technical bid in hard copy which shall be properly bound and all pages shall sequentially numbered.	Due to COVID-19 pandemic situation, we request GSCL to accept the bids (both technical and financial) submitted in online mode only. Kindly confirm the same.	Agreed. However, during bid evaluation stage for verification purpose if GSCL seeks the hard copy, bidders shall submit the same within the timeframe given by GSCL.
Vol.1	2145	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 1.3. Bid Data Sheet	Page 8 of 104	16 Last date for online submission of Bids: 13-07-2020 up to 15.00 Hrs.	We request GSCL to kindly extend the timeline for bid submission for atleast 4 weeks from the date of response to bidder's queries.	Tender conditions shall prevail.
Vol.1	2146	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 1.4. Definitions/Acronyms	Page 9 of 104	12 Consortium Parent company existence of Bidder/ Lead bidder would be considered for only 100% subsidiary/ division/ sub division/ branch business unit.	We request you to delete this mentioned clause.	Tender conditions shall prevail.
Vol.1	2148	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 2.2. Eligible Bidders	Page 14 of 104	Bids submitted by a consortium should comply with the following requirements also: i. The Lead Bidder shall be authorized to incur liabilities and receive instructions for and on behalf of any and all consortium members. Entire execution of the Contract, including payment, shall be done exclusively by/with the Lead Bidder	We request you to kindly allow direct payments to the consortium member, based on written authorization by Lead Bidder. This will enable bidder to have financial independence and shall enable to bid a competitive price. Hence request you to amend the clause as below: i. The Lead Bidder shall be authorized to incur liabilities and receive instructions for and on behalf of any and all consortium members. Entire execution of the Contract, including payment, shall be done exclusively by/with the Lead Bidder and payment under the Contract shall be received by both the lead partner and consortium member for their respective scope of work, upon written authorization by the lead bidder.	Tender conditions shall prevail.

Vol.1	2149	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 2.8. Earnest Money Deposit (EMD)	Page 16 of 104	For Unsuccessful bidders: The bid security of all unsuccessful bidders would be refunded without interest by Authority on finalization of the bid in all respects by the successful bidder.	Request you to modify the clause as follows: For Unsuccessful bidders: The bid security of all unsuccessful bidders would be refunded without interest by Authority within 30 days from the date of opening of commercial bid. on finalization of the bid in all respects by the successful bidder.	Refer Addendum for Vol -1
Vol.1	2150	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 2.9. Bid Validity Period	Page 17 of 104	Bid shall remain valid for the time period mentioned in the Fact Sheet. On completion of the validity period, unless the Bidder withdraws his bid in writing, it will be deemed to be valid until such time that the Bidder formally (in writing) withdraws his bid.	Request you to kindly amend the clause as below: Bid shall remain valid for the time period mentioned in the Fact Sheet. On completion of the validity period, unless the Bidder withdraws his bid in writing, it will be deemed to be valid until such time that the Bidder formally (in writing) withdraws his bid.	Tender conditions shall prevail.
Vol.1	2151	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 2.11.1. Pre-Qualification Bid Format & 2.11.2. Technical Bid Format	Page 19 of 104 & Page 21 of 104	Note: 1. Bidders are requested to merge all the submittals in the same sequence as mentioned above with separators named as PQ 1, PQ 2, PQ 14 etc. into one pdf file and upload as one pdf file separately for PQ bid submission in the e procurement portal. & Note: 1. Bidders are requested to merge all the submittals in the same sequence as mentioned above with separators named as TQ 1, TQ 2, TQ 15 etc. into one pdf file and upload as one pdf file separately for TQ bid submission in the e procurement portal.	1. We understand that there is provision for submission of only one pdf file comprising of Fee, Pre-Qualification & Technical bids in the e-procurement portal. Please confirm. 2. We request you to kindly increase the maximum size of pdf file to be uploaded on eprocurement portal to 200-500 MB to accommodate all the documents to be submitted as per RFP.	Need to be discussed with e-procurement cell
Vol.1	2152	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 2.13. Authentication of Bids	Page 22 of 104	An authorized representative (or representatives) of the Bidder shall initial all pages of the Pre-Qualification, Technical and Commercial Bids.	We understand that commercial bid shall be submitted as per Price Bid BOQ "BOQ_27684" (excel workbook) and initial of authorized representative is not required for commercial bid. Please confirm.	Agreed
Vol.1	2153	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 2.21. Acceptance/Rejection of Bids	Page 23 of 104	b) Bid should be free of over writing. All erasures, correction or addition must be clearly written both in words and figures and attested. In the event of any assumptions, presumptions, key points of discussion, recommendation or any points of similar nature submitted along with the Bid, Authority reserves the right to reject the Bid and forfeit the EMD.	We request you to kindly amend the clause as below: b) Bid should be free of over writing. All erasures, correction or addition must be clearly written both in words and figures and attested. In the event of any assumptions, presumptions, key points of discussion, recommendation or any points of similar nature submitted along with the Bid which are not acceptable to Authority, Authority reserves the right to reject the Bid and forfeit the EMD.	Refer Addendum for Vol -1

Vol.1	2154	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 2.25. Fraud and Corrupt Practices	Page 26 of 104	b) Without prejudice to the rights of Authority under Clause above and the rights and remedies which Authority may have under the LOI or the Agreement, if a Bidder is found by Authority to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice during the Selection Process, or after the issue of the LOI or the execution of the Agreement, such Bidder shall not be eligible to participate in any tender or RFP issued by Authority during a period of 3 years from the date such Bidder is found by Authority to have directly or through an agent, engaged or indulged in any Prohibited Practices.	Request to amend the clause as: b) Without prejudice to the rights of Authority under Clause above and the rights and remedies which Authority may have under the LOI or the Agreement, if a Bidder is found by Authority to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice during the Selection Process, or after the issue of the LOI or the execution of the Agreement, such Bidder shall be disqualified and the bid shall not be considered for further evaluation. not be eligible to participate in any tender or RFP issued by Authority during a period of 3 years from the date such Bidder is found by Authority to have directly or through an agent, engaged or indulged in any Prohibited Practices.	Tender conditions shall prevail.
Vol.1	2155	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 14. Annexure 10: Format of Agreement between Bidder and their parent company / subsidiary / Sister Concern Company (As the case may be)	Page 100 of 104	14. Annexure 10: Format of Agreement between Bidder and their parent company / subsidiary / Sister Concern Company (As the case may be)	We understand that Annexure 10 - Agreement between bidder and parent company – This agreement will remain valid till validity of bidder's offer to GSCL including extension if any and till satisfactory performance of the contract in the event the contract is awarded by GSCL to the bidder. Please confirm.	Agreed
Vol.3	2156	L&T Smart World & Communication	Volume 3: Master Service Agreement, 17. Term and Extension of the Contract	Page 19 of 50	17.1. The Contract period shall commence from the date of signing of contract or Issuance of LoI, whichever is earlier, and shall remain valid for 60 Months from the date of Go Live of the system	We request you to kindly amend the clause as: "17.1. The Contract period shall commence from the date of signing of contract or Issuance of LoI, whichever is later earlier, and shall remain valid for 60 Months from the date of Go Live of the system "	The Contract period shall commence from the date of signing of contract, and shall remain valid for 60 Months from the date of Go Live of the system.
Vol.1	2160	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 3.6.4 Manpower Deployment	Page 48 of 104	<u>Minimum Deployment during Operation and Maintenance phase 5</u> Security & Surveillance Expert - Quantity 1 - 100% 6 Integrated Traffic Management Expert - Quantity 1 - 100%	There is a discrepancy in the quantity required for Security & Surveillance Expert and Integrated Traffic Management Expert. We request you to confirm the below: Minimum Deployment during Operation and Maintenance phase 5 Security & Surveillance Expert - Quantity 1 3- 100% (8*5) 6 Integrated Traffic Management Expert - Quantity 1 3 -100% (8*5 24*7)	Bidder's understanding is correct. Relavent Corrigendum of Vol-2 of RFP shall follow.
Vol.3	2169	L&T Smart World & Communication	Volume 3: Master Service Agreement, 10.33. Statutory Requirements	Page 14 of 50	10.33. Statutory Requirements	We understand that statutory levy will be payable to SI post bid submission due to effect of change in law. Please confirm.	Refer Addendum for Vol -3

Vol.3	2170	L&T Smart World & Communication	Volume 3: Master Service Agreement 3. Conditions Precedent	Page 5 of 50	The Authority reserves the right to waive any or all of the conditions specified in Clause 3 above in writing and no such waiver shall affect or impair any right, power or remedy that the Authority may otherwise have.	We request you to modify the clause as mentioned below: The Authority reserves the right to waive any or all of the conditions specified in Clause 3 above in writing and no such waiver shall affect or impair any right, power or remedy that the Authority may otherwise have with written notice to MSI.	Tender conditions shall prevail
Vol.3	2171	L&T Smart World & Communication	Volume 3: Master Service Agreement 3. Conditions Precedent	Page 5 of 50	In the event that any of the conditions set forth in Clause 3 hereinabove are not fulfilled within 1 month from the date of this Contract, or such later date as may be mutually agreed upon by the parties, the Authority may terminate this Contract	We request you to modify the clause as mentioned below: In the event that any of the conditions set forth in Clause 3 hereinabove are not fulfilled within 1 month from the date of this Contract, or such later date as may be mutually agreed upon by the parties, the Authority may terminate this Contract penalise the MSI thereafter as per Liquidated damages.	Tender conditions shall prevail
Vol.3	2172	L&T Smart World & Communication	Volume 3: Master Service Agreement 10. Bidder's Obligations	Page 9 of 50	SI shall be fully responsible for deployment / installation / development/ and integration of all the software and hardware components and resolve any problems / issues that may arise due to integration of components.	We understand that SI shall provide the deliverables as per RFP only. Hence request you to amend the clause as mentioned below: SI shall be fully responsible for deployment / installation / development/ and integration of all the software and hardware components and resolve any problems / issues that may arise due to integration of components as per the scope pertaining to the RFP.	Tender condition shall prevail
Vol.3	2173	L&T Smart World & Communication	Volume 3: Master Service Agreement 10.29. Reporting Progress	Page 12 of 50	In case during execution of works, the progress falls behind schedule or does not meet the Tender requirements, SI shall deploy extra manpower/ resources to make up the progress or to meet the RFP requirements. Plan for deployment of extra man power/ resources shall be submitted to the Authority for its review and approval. All time and cost effect in this respect shall be borne, by SI within the contract value.	We request you to modify the clause as mentioned below: In case during execution of works solely due to the reasons pertaining to SI, the progress falls behind schedule or does not meet the Tender requirements, SI shall deploy extra manpower/ resources to make up the progress or to meet the RFP requirements. Plan for deployment of extra man power/ resources shall be submitted to the Authority for its review and approval. All time and cost effect in this respect shall be borne, by SI within the contract value.	Tender conditions shall prevail

Vol.3	2174	L&T Smart World & Communication	Volume 3: Master Service Agreement	General	General	<p>We request you to add the clause as mentioned below: Extension of Completion:</p> <p>SI shall be entitled to extension of the Time for Completion if and to the extent that completion is or will be delayed by any of the following causes:</p> <p>(a) a Change Control Note or variation or other substantial change in the quantity of an item of work included in the Contract,</p> <p>(b) a cause of delay giving an entitlement to extension of time under a Sub-Clause of these Conditions,</p> <p>(c) exceptionally adverse climatic conditions, or Force Majeure</p> <p>(d) Unforeseeable shortages in the availability of personnel or Goods caused by epidemic or governmental actions, or</p> <p>(e) any delay, impediment or prevention caused by or attributable to the Purchaser, the Purchaser's Personnel, or the Purchaser's other contractors on the Site.</p> <p>(f) Suspension of the contract</p>	Tender conditions shall prevail
Vol.3	2175	L&T Smart World & Communication	Volume 3: Master Service Agreement	General	General	<p>We request you to add the clause as mentioned below: Suspension by the MSI:</p> <p>If the Authority fails to certify in accordance with this Agreement upon submission of invoices or fails to comply with Payment obligation or provide timely access to site or perform its obligations in a timely manner ,the MSI may, after giving not less than 21 days' notice to the Authority, suspend work (or reduce the rate of work) unless and until the default of the Authority has been remedied.</p> <p>We request you to add the clause as mentioned below: Change in Applicable Law:</p> <p>The Contract Price shall be adjusted to take account of any increase or decrease in Change in Applicable Law, introduction of new Laws and the repeal or modification of existing Laws) including Taxes or in the judicial or official governmental interpretation of such Laws, made after the Effective Date, which affect the MSI in the performance of obligations under the Contract.</p> <p>If the MSI suffers (or will suffer) delay and/or incurs (or will incur) additional Cost as a result of these changes in the Laws or in such interpretations, made after the Effective Date, the MSI shall give notice to the Authority and shall be entitled to:</p> <p>(a)an extension of time for any such delay, if completion is or will be delayed and</p> <p>(b)payment of any such Cost, which shall be included in the Contract Price.</p>	Tender condition shall prevail
Vol.3	2176	L&T Smart World & Communication	Volume 3: Master Service Agreement	General	General	<p>We request you to add the clause as mentioned below: Change in Applicable Law:</p> <p>The Contract Price shall be adjusted to take account of any increase or decrease in Change in Applicable Law, introduction of new Laws and the repeal or modification of existing Laws) including Taxes or in the judicial or official governmental interpretation of such Laws, made after the Effective Date, which affect the MSI in the performance of obligations under the Contract.</p> <p>If the MSI suffers (or will suffer) delay and/or incurs (or will incur) additional Cost as a result of these changes in the Laws or in such interpretations, made after the Effective Date, the MSI shall give notice to the Authority and shall be entitled to:</p> <p>(a)an extension of time for any such delay, if completion is or will be delayed and</p> <p>(b)payment of any such Cost, which shall be included in the Contract Price.</p>	Tender condition shall prevail

Vol.3	2177	L&T Smart World & Communication	Volume 3: Master Service Agreement 11. Authority's Obligations	Page 15 of 50	Authority shall ensure that timely approval is provided to SI as and when required, which may include approval of project plans, implementation methodology, design documents, specifications, or any other document necessary in fulfilment of this contract.	Time is the essence of the contract, hence the acceptance of the deliverables by the Authority shall be as mentioned below: Authority shall ensure that timely approval is provided to SI i.e. within 14 days of submission of the note/report as and when required, which may include approval of project plans, implementation methodology, design documents, specifications, or any other document necessary in fulfilment of this contract.If the Authority fails to provide written acceptance to SI within 14 days of submission of note/report the same shall be deemed accepted by Authority.	Tender conditions shall prevail.
Vol.3	2178	L&T Smart World & Communication	Volume 3: Master Service Agreement 12. Payments	Page 15 of 50	Authority shall make payments to SI at the times and in the manner set out in the Payment schedule as specified Payment Milestones in RFP Volume II subject to the penalties as mentioned under Clause 42 of Section C- Service Levels of Volume 3. Authority shall make all efforts to make payments to SI within 45 days of receipt of invoice(s) and all necessary supporting documents.	We request you to amend the clause as mentioned below for improvement in working capital of SI as per Meity guidelines: Authority shall make payments to SI at the times and in the manner set out in the Payment schedule as specified Payment Milestones in RFP Volume II subject to the penalties as mentioned under Clause 42 of Section C- Service Levels of Volume 3. Authority shall make all efforts to make payments to SI within 45 30 days of receipt of invoice(s) and all necessary supporting documents. In the event of delay in payment of undisputed amount beyond 30 days, SI shall be entitled to a late payment interest of 10% per annum from the date of completion after submission of invoice. This interest is subject to a limit of 10% of the total contract value.	Tender condition shall prevail

Vol.3	2179	L&T Smart World & Communication	Volume 3: Master Service Agreement 14. Taxes	Page 17 of 50	<p>SI shall bear all taxes and duties etc. levied or imposed on SI under the Contract including but not limited to, Customs duty, Excise duty, GST, , any other taxes and all Income Tax levied under Indian Income Tax Act – 1961 or any Corrigendum thereof during the entire contract period, i.e., on account of material supplied and services rendered, and payments received by him from the Authority under the Contract. It shall be the responsibility of SI to submit to the concerned Indian authorities the returns and all other connected documents required for this purpose. SI shall also provide the Authority such information, as it may be required in regard to SI's details of payment made by the Authority under the Contract for proper assessment of taxes and duties. The amount of tax withheld by the Authority shall at all times be in accordance with Indian Tax Law and the Authority shall promptly furnish to SI original certificates for tax deduction at source and paid to the Tax Authorities.</p>	<p>We request you to add the clause as mentioned below :</p> <p>SI shall bear all taxes and duties etc. levied or imposed on SI under the Contract including but not limited to, Customs duty, Excise duty, GST, , any other taxes and all Income Tax levied under Indian Income Tax Act – 1961 or any Corrigendum thereof during the entire contract period, i.e., on account of material supplied and services rendered, and payments received by him from the Authority under the Contract. It shall be the responsibility of SI to submit to the concerned Indian authorities the returns and all other connected documents required for this purpose. SI shall also provide the Authority such information, as it may be required in regard to SI's details of payment made by the Authority under the Contract for proper assessment of taxes and duties. The amount of tax withheld by the Authority shall at all times be in accordance with Indian Tax Law and the Authority shall promptly furnish to SI original certificates for tax deduction at source and paid to the Tax Authorities.</p> <p>GST shall be shown extra by the bidder in their invoices for the items applicable. The same shall be paid by Authority as per actual after verification If there is any tax savings, the same shall be reduced from the payable amount. In case of any new incidence of tax or increase in existing tax rates taking place during the Agreement Period, that shall be borne and payable by the Authority over and above the agreed price for each item as may be applicable as per the Invoice raised by either Party/Member of the Consortium on the Authority. Similarly, any reduction in taxes shall be to the benefit of Authority.</p>	Refer Addendum for Vol -3
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Vol.3	2180	L&T Smart World & Communication	Volume 3: Master Service Agreement 15. Indemnity	Page 18 of 50	<p>15.1. SI shall indemnify the Authority from and against any costs, loss, damages, expense, claims including those from third parties or liabilities of any kind howsoever suffered, arising or incurred inter alia during and after the Contract period out of:</p> <p>a. any negligence or wrongful act or omission by SI or any third party associated with SI in connection with or incidental to this Contract; or</p> <p>b. any breach of any of the terms of SI's did as agreed, the RFP and this Contract by SI</p> <p>c. any infringement of patent, trademark/copyright or industrial design rights arising from the use of the supplied goods and related services or any part thereof</p> <p>15.2. SI shall also indemnify the Authority against any privilege, claim or assertion made by a third party with respect to right or interest in, ownership, mortgage or disposal of any asset, property etc.</p> <p>15.3. Regardless of anything contained (except for SI's liability for bodily injury and/ or damage to tangible and real property for which it is legally liable and its liability for patent and copyright infringement in accordance with the terms of this Agreement) the total liability of SI, is restricted to the total value of the contract and SI is not responsible for any third party claims.</p>	<p>We request you to amend the clause as mentioned below:</p> <p>15.1. SI Either Party shall indemnify the Authority from and against any costs, loss, damages, expense, claims including those from third parties or liabilities of any kind howsoever suffered, arising or incurred inter alia during and after the Contract period out of:</p> <p>a. any negligence or wrongful act or omission by SI Either Party or any third party associated with SI Either Party in connection with or incidental to this Contract; or</p> <p>b. any breach of any of the terms of SI either partie's did as agreed, the RFP and this Contract by SI Either Party</p> <p>c. any infringement of patent, trademark/copyright or industrial design rights arising from the use of the supplied goods and related services or any part thereof</p> <p>15.2. SI Either Party shall also indemnify the Authority each other against any privilege, claim or assertion made by a third party with respect to right or interest in, ownership, mortgage or disposal of any asset, property etc.</p> <p>15.3. Regardless of anything contained (except for SI's liability for bodily injury and/ or damage to tangible and real property for which it is legally liable and its liability for patent and copyright infringement in accordance with the terms of this Agreement) the total liability of SI, is restricted to the total value of the contract and SI is not responsible for any third party claims.</p>	Refer Addendum for Vol -3
Vol.3	2181	L&T Smart World & Communication	Volume 3: Master Service Agreement 15. Indemnity	Page 18 of 50	<p>15.3. Regardless of anything contained (except for SI's liability for bodily injury and/ or damage to tangible and real property for which it is legally liable and its liability for patent and copyright infringement in accordance with the terms of this Agreement) the total liability of SI, is restricted to the total value of the contract and SI is not responsible for any third party claims.</p>	We request you to describe the claims by the third parties.	Refer Addendum for Vol -3

Vol.3	2182	L&T Smart World & Communication	Volume 3: Master Service Agreement 22. Force Majeure	Page 21 of 50	The failure or occurrence of a delay in performance of any of the obligations of either party shall constitute a Force Majeure event only where such failure or delay could not have reasonably been foreseen i.e. war, or hostility, acts of the public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restriction, strikes, lockouts or act of God (hereinafter referred to as events) , or where despite the presence of adequate and stipulated safeguards the failure to perform obligations has occurred at any location in scope. In such an event, the affected party shall inform the other party in writing within five days of the occurrence of such event. Any failure or lapse on the part of SI in performing any obligation as is necessary and proper, to negate the damage due to projected force majeure events or to mitigate the damage that may be caused due to the above mentioned events or the failure to provide adequate disaster management/ recovery or any failure in setting up a contingency mechanism would not constitute force majeure, as set out above.	We request Authority to provide suitable time for informing as the Force Majeure situations are uncertain and the communication can be delayed. Hence, request you to amend the clause as mentioned below: The failure or occurrence of a delay in performance of any of the obligations of either party shall constitute a Force Majeure event only where such failure or delay could not have reasonably been foreseen i.e. war, or hostility, acts of the public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restriction, strikes, lockouts or act of God (hereinafter referred to as events) , or where despite the presence of adequate and stipulated safeguards the failure to perform obligations has occurred at any location in scope. In such an event, the affected party shall inform the other party in writing within five 14 (Fourteen) days of the occurrence of such event. Any failure or lapse on the part of SI in performing any obligation as is necessary and proper, to negate the damage due to projected force majeure events or to mitigate the damage that may be caused due to the above mentioned events or the failure to provide adequate disaster management/ recovery or any failure in setting up a contingency mechanism would not constitute force majeure, as set out above.	Refer Addendum for Vol -3
Vol.3	2183	L&T Smart World & Communication	Volume 3: Master Service Agreement 22. Force Majeure	Page 21 of 50	In case of a Force Majeure, all Parties shall endeavour to agree on an alternate mode of performance in order to ensure the continuity of service and implementation of the obligations of a party under the Contract and to minimize any adverse consequences of Force Majeure.	We request you to amend the clause as mentioned below as per Meity Guidelines: In case of a Force Majeure, all Parties shall endeavour to agree on an alternate mode of performance in order to ensure the continuity of service and implementation of the obligations of a party under the Contract and to minimize any adverse consequences of Force Majeure. The party who has given such notice shall be excused from the performance or punctual performance of its obligations under the Contract for so long as the relevant event of Force Majeure continues and to the extent that such party's performance is prevented, hindered, or delayed. The time for achieving Final Go - Live shall be extended and costs incurred as a result of the Force Majeure event shall be reimbursed to the MSI.	Refer Addendum for Vol -3
Vol.3	2184	L&T Smart World & Communication	Volume 3: Master Service Agreement 24. Insurance	Page 22 of 50	SI shall bear all the statutory levies like customs, insurance, freight, etc. applicable on the goods and also the charges like transportation charges, octroi, etc. that may be applicable till the goods are delivered at the respective sites of installation shall also be borne by SI.	We request you to amend the clause as mentioned below: SI Authority shall bear all the statutory levies like customs, insurance, freight, etc. applicable on the goods and also the charges like transportation charges, octroi, etc. that may be applicable till the goods are delivered at the respective sites of installation shall also be borne by SI be reimbursed by authority on submission of proof by SI .	Refer Addendum for Vol -3
Vol.3	2185	L&T Smart World & Communication	Volume 3: Master Service Agreement 34.	Page 26 of 50	SI shall be liable to fully recompense the Authority for any loss of revenue arising from breach of confidentiality.	SI Either Party shall be liable to fully recompense the Authority each other party for any loss of revenue arising from breach of confidentiality.	Tender condition shall prevail

Vol.3	2186	L&T Smart World & Communication	Volume 3: Master Service Agreement 35. Events of Default by SI	Page 27 of 50	Where despite the issuance of a default notice to SI by the Authority, SI fails to remedy the default to the satisfaction of the Authority, the Authority may, where it deems fit, issue to the defaulting party another default notice or proceed to contract termination.	We request you to amend the clause as mentioned below: Where despite the issuance of a default notice to SI by the Authority, SI fails to remedy the default to the satisfaction of the Authority, the Authority may, where it deems fit, issue to the defaulting party another 14 days default notice or. And may proceed to contract termination with prior intimation to SI.	Tender condition shall prevail
Vol.3	2187	L&T Smart World & Communication	Volume 3: Master Service Agreement	General	General	<p>We request you to add the clause as mentioned below:</p> <p>Events of Default by Authority:</p> <p>“Authority Event of Default” means any of the following but not limited to events set out below, unless such event has occurred because of a default by the MSI, a Change in Law or any event of Force Majeure.</p> <p>a.if the Authority fails to pay any undisputed money due to the MSI pursuant to this Contract within thirty (30) calendar days after receiving written notice from the MSI that such payment is overdue;</p> <p>b.if the Authority is in material breach of its obligations under this Contract and has not remedied the same within thirty (30) days (or such longer period as the MSI may have subsequently approved in writing) following the receipt by the Authority of the MSI’s notice specifying such breach;</p> <p>c.if the MSI is unable to carry out any of its obligations under the Contract for any reason attributable to the Authority, including but not limited to the Authority’s failure to provide possession of or access to the Site or other areas or failure to obtain any governmental permit necessary for the execution and/or completion of the System;</p> <p>d.if the Authority becomes insolvent or bankrupt or enters into any agreements with its creditors for relief of debt or take advantage of any law for the benefit of debtors or goes into liquidation or receivership whether compulsory or voluntary; or, if the Authority is a corporation, a resolution is passed or order is made for its winding up;</p> <p>e.if the Authority suspends the performance of the Services for more than sixty (60) days, for reasons not attributable to the MSI.</p> <p>Without prejudice to other provisions of this Contract, upon the occurrence of a Authority Event of Default, the MSI may deliver</p>	Tender condition shall prevail

Vol.3	2188	L&T Smart World & Communication	Volume 3: Master Service Agreement	General	General	<p>We request you to add the clause as mentioned below: If the Contract is terminated under Termination clause as per Volume III the MSI shall immediately: a. cease all further work, except for such work as may be necessary for the purpose of protecting that part of the System already executed, or any work required to leave the site in a clean and safe condition; b. terminate all subcontracts, except those to be assigned to the Authority; c. remove all MSI's Equipment from the site and repatriate the MSI and its Sub MSI's personnel from the Site; d. In addition, the MSI shall: (i) deliver to the Authority the parts of the System executed by the MSI up to the date of termination; (ii) to the extent legally possible, assign to the Authority all right, title, and benefit of the MSI to the System, or Subsystems, as of the date of termination, and, as may be required by the Authority, in any subcontracts concluded between the MSI and its Sub MSIs; (iii) to the extent legally possible, deliver to the Authority all drawings, specifications, and other documents prepared by the MSI or its Sub MSIs as of the date of termination in connection with the System. The Authority shall pay to the MSI all amounts owed to the MSI upto the date of termination after deducting any payments owed by the MSI to the Authority.</p>	Tender condition shall prevail
Vol.3	2189	L&T Smart World & Communication	Volume 3: Master Service Agreement 36. Termination	Page 28 of 50	Termination for Insolvency: The Authority may at any time terminate the Contract by giving written notice to SI, without compensation to SI, if SI becomes bankrupt or otherwise insolvent, provided that such termination shall not prejudice or affect any right of action or remedy which has accrued or shall accrue thereafter to the Authority	We request you to amend the clause as mentioned below: Termination for Insolvency: The Authority may at any time terminate the Contract by giving written notice to SI, without compensation with compensation to SI for the deliverables delivered till date of termination, if SI becomes bankrupt or otherwise insolvent, provided that such termination shall not prejudice or affect any right of action or remedy which has accrued or shall accrue thereafter to the Authority	Tender condition shall prevail
Vol.3	2190	L&T Smart World & Communication	Volume 3: Master Service Agreement 36. Termination	Page 28 of 50	36.5. SI may, subject to approval by the Authority, terminate this Contract before the expiry of the term by giving the Authority a prior and written notice at least 3 months in advance indicating its intention to terminate the Contract.	We request you to amend the clause as mentioned below: 36.5. SI may, subject to approval by the Authority, terminate this Contract before the expiry of the term by giving the Authority a prior and written notice at least 3 months in advance indicating its intention to terminate the Contract. In such a case, SI shall be paid for the deliverables delivered till date of termination.	Tender condition shall prevail
Vol.3	2191	L&T Smart World & Communication	Volume 3: Master Service Agreement	General	General	<p>We request you to add the clause as mentioned below: For any new equipment(s)/system(s) which are not included in the RFP that might come up during the contract period Authority will reserve the option to procure these equipment(s) from the SI on cost of Supply, Implementation and AMC plus handling charges of 12.5% to the SI. The SI would need to operate and maintain all such new equipment installed in the Project locations and yearly AMC charges will be paid by Authority to SI</p>	Tender condition shall prevail

Vol.3	2192	L&T Smart World & Communication	Volume 3: Master Service Agreement	General	General	We request you to add the clause as mentioned below: Assignment- The rights and obligations under the Contract are personal to MSI and shall not be assigned by it, to any third party, without the express prior written authorization of the Authority, except that MSI may assign due and payable to it under the Contract to any Bank/Financial Institution. The property of Authority cannot be mortgage by MSI in any of the case.	Tender condition shall prevail
Vol.3	2193	L&T Smart World & Communication	Volume 3: Master Service Agreement	General	General	We request you to add the clause as mentioned below: Bonus: If the MSI achieves completion of the milestones or any section(s) prior to the intended Completion Date prescribed in Contract data (Extension of time at the discretion), the Authority shall pay to the MSI a sum of 10% of the delivered portion of the respective milestone as bonus for early completion, for every calendar month which shall elapse between the date of completion of all items of works as stipulated in the contract, including variations and the time prescribed in the contract	Tender condition shall prevail
Vol.3	2194	L&T Smart World & Communication	Volume 3: Master Service Agreement 16. Warranty	Page 19 of 50	Upon receipt of such notice, the SI shall, with all reasonable speed, repair or replace the defective Goods or parts thereof, without prejudice to any other rights which the Authority may have against the SI under the Contract.	We request you to amend the clause as mentioned below: Upon receipt of such notice, the SI shall, with all reasonable speed, repair or replace the defective Goods or parts thereof, without prejudice to any other rights which the Authority may have against the SI under the Contract. Any defective component, excluding hard disks, that has been replaced by the MSI shall remain the property of the MSI.	Tender condition shall prevail
Vol.3	2195	L&T Smart World & Communication	Volume 3: Master Service Agreement	General	General	We request you to add the clause as mentioned below: In case the Parties decide to use any pre-existing work not related to the Project for any Project use and which is not owned by either Party, MSI and the Authority shall mutually decide on use of such work on terms to be decided on mutual consent and time for execution and increase in price shall be paid respectively. Notwithstanding the foregoing, any Intellectual Property or Intellectual Property Rights that were developed, owned or licensed by a Party prior to execution of the Contract shall remain with such Party unless the Parties agree otherwise by express written consent.	Tender condition shall prevail
Vol.3	2204	L&T Smart World & Communication	Volume 3: Master Service Agreement	Page 20 of 50	19. Time is of the essence 19.1. Time shall be of the essence in respect of any date or period specified in this Contract or any notice, demand or other communication served under or pursuant to any provision of this Contract and in particular in respect of the completion of the activities by SI by the specified completion date	Request you to remove the clause as there is a penalty for non achieving the milestone.	Tender condition shall prevail

Vol.3	2206	L&T Smart World & Communication	Volume 3: Master Service Agreement, B. SERVICE LEVELS	Page 31 of 50	Service Level Agreements & Targets	We request you to grant SLA holiday of 3 months from the date of Go-Live. Please confirm.	Tender conditions shall prevail.
Vol.1	2207	L&T Smart World & Communication	Volume 1: Instruction to Bidders, 3.6.3 Key Personnel Criteria	Page 47 of 104	Notes: The top three profiles (Project Manager, Integrated Command and Control Centre Expert and Solution Architect) should be on the payroll of the sole bidder or the consortium partner	We request you to amend the clause as mentioned below: Notes: The top three profiles (Project Manager, Integrated Command and Control Centre Expert and Solution Architect) should be on the payroll of the sole bidder or the consortium partner. All other resources can be from SI/Partner/OEM/Consortium.	Tender conditions shall prevail.
Vol.3	2208	L&T Smart World & Communication	Volume 3: Master Service Agreement	General	General	We request you to add the following clause: Penalties shall not be levied on the MSI in the following cases: i. There is a Force Majeure event effecting the SLA which is beyond the control of the MSI. Force Majeure events shall be considered in line as mentioned in RFP . ii. The non-compliance to the SLA has been due to reasons beyond the control of the MSI. iii. Theft cases by default/vandalism considered as "beyond the control of MSI". Hence, support shall be provided by authority and measures shall be take upon mutual discussion.	Tender condition shall prevail
Vol.3	2209	L&T Smart World & Communication	Volume 3: Master Service Agreement	General	General	We request to add the clause as mentioned below: It is acknowledged that this Service levels may change as Authority's business needs to evolve over the course of the Contract period. As such, this document also defines the following management procedures upon mutual discussion by either parties: A process for negotiating changes to the Service Levels and any changes to the levels of service provided during the Term of the Contract shall be requested, documented and negotiated in good faith by both Parties. Either Party can request a change.	Tender condition shall prevail

Vol.3	2210	L&T Smart World & Communication	Volume 3: Master Service Agreement 43.6.1. Implementation Phase Related Performance Levels	Page 33 of 50	43.6.1. Implementation Phase Related Performance Levels	<p>We request you to add the clause as mentioned below: 11.1.3MSI shall ensure that all key personnel are available on site as per labour laws. All leaves & Public holidays shall be considered as per government laws and Manpower availability & readiness shall be mapped accordingly</p> <p>11.1.4MSI shall submit profiles of the Key Personnel who are to be deployed as per the RFP requirement. Bidder shall submit a resource deployment plan stating month wise deployment schedule indicating type of resources and whether deployment is on full time or part time basis etc for the purpose of Bid evaluation.</p> <p>However, Bidder shall undertake to provide adequate resources as required for successful commissioning of the Project irrespective of the Resource Plan submitted in the Bid. The following key resources shall be in Bidder's payroll and all other resources can be sourced by Bidder from any of his Teaming Partner for the Project.</p> <p>a)Project Manager b)Solution Architect c) Integrated Command and Control Centre Exper</p>	Tender condition shall prevail
Vol.1	2211	L&T Smart World & Communication	Volume 01 2.30. Right to vary quantity and change in scope	Page 29 of 104	<p>At the time of award of contract and post award of work, the quantity of goods, works or services originally specified in the bidding documents may be increased or decreased.</p> <p>It shall be without any change in the unit prices or other terms and conditions of the Bid and the bidding documents.</p> <p>In the event, the goods, works or services for which variation is sought after award of work then the same shall be done through Change Request Note. The CRN will be evaluated by a Third-Party Committee formed by the Employer and the decision of the Committee will be final on the scope and rate. Total value of all change of Scope orders shall not exceed Twenty (20) percent of Approved Contract Amount</p>	<p>Please confirm the below: Extension of time shall be provided on change request note and bidder shall be compensated accordingly. The change request should be provided by the employer within the first six months of after contract signing.</p>	Please refer clause# 38 of volume-3
Vol.1	2212	L&T Smart World & Communication	Volume 01 3.5. Pre-Qualification Criteria	Page 33 of 104	International project if the original client certificate and other documents are in language other than English than a translated copy duly confirmed by Indian embassy/ One of the board of directors of the lead bidder/ consortium member shall be submitted along with bid document.	<p>Kindly amend as: International project if the original client certificate and other documents are in language other than English than a translated copy duly confirmed by Indian embassy/ One Two of the board of directors of the lead bidder / consortium member (of parent company) shall be submitted along with bid document.</p>	Clause is deleted. Bidder to Refer Point 1.03 of Addendum
Vol.1	2213	L&T Smart World & Communication	Volume 01 6.2. Pre-Qualification Bid Covering Letter	Page 61 of 104	We agree to abide by our offer for a period of 180 days from the date of opening of prequalification bid prescribed by Authority and that we shall remain bound by a communication of acceptance within that time.	<p>Kindly amend as: We agree to abide by our offer for a period of 180 days from the date of opening of prequalification submission of bid prescribed by Authority and that we shall remain bound by a communication of acceptance within that time.</p>	Refer Addendum for Vol -1

Vol.1	2214	L&T Smart World & Communication	Volume 01 6.2. Pre-Qualification Bid Covering Letter	Page 62 of 104	We fully understand and agree to comply that on verification, if any of the information provided in our bid is found to be misleading the selection process, we are liable to be dismissed from the selection process or termination of the contract during the project, if selected to do so.	Kindly amend as: We fully understand and agree to comply that on verification, if any of the information provided in our bid is found to be misleading the selection process, we are liable to be dismissed from the selection process or termination of the contract during the project, if selected to do so.	Tender conditions shall prevail.
Vol.3	2215	L&T Smart World & Communication	Volume 3 18. Dispute Resolution	Page 20 of 50	The Arbitration proceedings shall be held in Guwahati in Assam State, India.	Kindly amend as: The Arbitration proceedings shall be held in Guwahati in Assam State, India. New Delhi, India	Tender condition shall prevail
Vol.3	2216	L&T Smart World & Communication	Volume 3 23. Delivery	Page 21 of 50	The Goods and manpower supplied under this Contract shall conform to the standards mentioned in the RFP, and, when no applicable standard is mentioned, to the authoritative standards; such standard shall be approved by Authority.	Kindly amend as: The Goods and manpower supplied under this Contract shall conform to the standards mentioned in the RFP, and, when no applicable standard is mentioned, to the authoritative standards; such standard shall be approved by Authority. Industry acceptable standards to be used .	Tender condition shall prevail
Vol.3	2217	L&T Smart World & Communication	Volume 3 28. Liquidated Damages:	Page 22 of 50	The Authority may without prejudice to its right to effect recovery by any other method, deduct the amount of liquidated damages from any money belonging to SI in its hands (which includes the Authority's right to claim such amount against SI's Bank Guarantee) or which may become due to SI. Any such recovery or liquidated damages shall not in any way relieve SI from any of its obligations to complete the Work or from any other obligations and liabilities under the Contract.	Kindly amend as: The Authority may without prejudice to its right to effect recovery by any other method, deduct the amount of liquidated damages from any money belonging to SI in its hands (which includes the Authority's right to claim such amount against SI's Bank Guarantee) or which may become due to SI. Any such recovery or liquidated damages shall not in any way relieve SI from any of its obligations to complete the Work or from any other obligations and liabilities under the Contract. The penalty levied shall be reimbursed to the bidder at the successful completion of the installation period within the agreed time frame between GSCL & Bidder.	Tender condition shall prevail

Vol.3	2218	L&T Smart World & Communication	Volume 3 36 Termination	Page 27 of 50	Termination by SI	<p>If</p> <p>(a) the Employer has failed to pay the Contractor any sum due under the Contract within the specified period, has failed to approve any invoice or supporting documents without just cause of the Contract Agreement, or commits a substantial breach of the Contract, the Contractor may give a notice to the Employer that requires payment of such sum, requires approval of such invoice or supporting documents, or specifies the breach and requires the Employer to remedy the same, as the case may be. If the Employer fails to pay such sum, fails to approve such invoice or supporting documents or give its reasons for withholding such approval, fails to remedy the breach or take steps to remedy the breach within fourteen (14) days after receipt of the Contractor's notice, or</p> <p>(b) the Contractor is unable to carry out any of its obligations under the Contract for any reason attributable to the Employer, including but not limited to the Employer's failure to provide possession of or access to the Site or other areas or failure to obtain any governmental permit necessary for the execution and/or completion of the Facilities which the Employer is required to obtain as per provision of the Contract or as per relevant applicable laws of the country, then the Contractor may give a notice to the Employer thereof, and if the Employer has failed to pay the outstanding sum, to approve the invoice or supporting documents, to give its reasons for withholding such approval, or to remedy the breach within twenty-eight (28) days of such notice, or if the Contractor is still unable to carry out any of its obligations under the Contract for any reason attributable to the Employer within twenty-eight (28) days of the said notice, the Contractor may by a further notice to the Employer , forthwith terminate the Contract The Contractor may terminate the Contract forthwith by giving a notice to the Employer to that</p>	Tender condition shall prevail
Vol.3	2219	L&T Smart World & Communication	Volume 3 43: penalty	Page 22 of 50	Three consecutive quarterly deductions of 30 % of the applicable fee on account of any reasons shall be deemed to be an event of default and termination as per Clause 35 of this Section of RFP respectively and the consequences as provided in Clause 36 of this section of RFP shall follow.	The maximum value of SLA penalty imposed shall not be more than 5% of overall O&M Value.	Refer Addendum for Vol -3

Vol.1	2223	L&T Smart World & Communication	Vol 1 - 2.29. Eligible Goods and Services, and OEM Criteria	28	i) The ICCS Solution proposed by the Bidder must be operational in minimum 2 City wide projects in India with at least 1000 cameras/sensors in last 3 years. Undertaking from OEM and successful completion/ installation report from client (State / Central Government Department or Central /State PSUs/ Smart City) needs to be submitted along with the bid documents.	1. We understand from the clause that Smart Town Ships / Integrated Security System Projects for Plants / Campus based projects from Central/Sate PSUs are allowed. Please confirm if our understanding is correct. 2. Also we understand that 1000 number of cameras being asked are the aggregate Cameras from 2 City Surveillance Projects. Please confirm if our understanding is correct. 3.For Successful Completion / Installation report, normally the end customers do not issue the installation report / completion certificate to the OEMs but to the MSIs. Therefore, it is requested to allow completion certificate/ installation report from the MSI partner of the OEM also to be considered for the project or only an undertaking from the OEM signed duly from the authorised person should be good enough for consideration which is generally the practice.	1. Projects under any government department shall be considered as specified in the criteria. 2. Yes, Bidder's understanding is correct. 3. Bidder to Refer Addendum of Vol 1
Vol.1	2239	L&T Smart World & Communication	Volume 1;:3.6.4	47	Manpower Deployment	During Implementation phase nor Operation and Maintenance phase GIS manpower is not requested for. Without necessary manpower meeting RFP requirement will be challenging. Request to add manpower in both the phases.	Tender conditions shall prevail.
Vol.3	2390	L&T Smart World & Communication	Volume -3	38	Battery replacement for all equipment / devices procured Replacement of various equipment batteries. This excludes regular maintenance of the UPS and its batteries. Measurement Tool: SLA Monitoring tool for inventory management. Batteries to be replaced every 3rd year	Whether battery are to be replaced for all UPS every 3rd year	Tender conditions shall prevail.
Vol.1	2403	Wipro (set-2)	Vol 1 Section III	93/104	Annexure 6 - Consortium Agreement-The Parties shall be jointly and severally responsible and bound towards the Authority for the performance of the works in accordance with the terms and conditions of the BID document, and Contract.	Annexure 6 - Consortium Agreement-The Lead Bidder shall be solely and severally responsible and bound towards the Authority for the performance of the works in accordance with the terms and conditions of the BID document, and Contract. Consortium member should be liable with respect to their scope of work only.	Tender conditions shall prevail.
Vol.3	2404	Wipro (set-2)	Vol 3 Consortium	.8/50	Constitution of Consortium- Lead Bidder along with all consortium members shall be jointly and solely responsible for the project execution	Constitution of Consortium- Lead Bidder shall be solely and severally responsible for the project execution	Tender condition shall prevail
Vol.3	2405	Wipro (set-2)	Vol 3 Key Performance Measurements	.6/50	The Authority reserves the right to amend any of the terms and conditions in relation to the Contract / Service Specifications and may issue any such directions which are not necessarily stipulated therein if it deems necessary for the fulfilment of the Schedule of Requirements.	The Authority with mutual consent reserves the right to amend any of the terms and conditions in relation to the Contract / Service Specifications and may issue any such directions which are not necessarily stipulated therein if it deems necessary for the fulfilment of the Schedule of Requirements.	Tender conditions shall prevail
Vol.3	2406	Wipro (set-2)	Vol 3 10.6-Bidder's Obligations	.9/50	SI shall ensure that none of the Key Personnel (refer Section 3.6.2 of the RFP Volume I proposed) and manpower exit from the project during first 6 months of the beginning of the project. In such cases of exit, a penalty of INR 2 lakhs per such replacement shall be imposed on SI.	Except in case of job termination, resignation, medical reason or project transfer , SI shall ensure that none of the Key Personnel (refer Section 3.6.2 of the RFP Volume I proposed) and manpower exit from the project during first 6 months of the beginning of the project. In such cases of exit, a penalty of INR 2 lakhs per such replacement shall be imposed on SI.	Refer Addendum for Vol -3

Vol.3	2407	Wipro (set-2)	Vol 3 43.6.1	33/50	Within 15 days of Issuance of LOI or Contract Agreement, whichever is earliest	Within 15 days of Issuance of Contract Agreement.	Refer Addendum for Vol -3
Vol.3	2408	Wipro (set-2)	Vol 3 9.4	.8/50	The Authority reserves the right to review, approve and require Corrigendum of the terms of the Consortium Contract or any contract or agreements entered into by and between the members of such Consortium 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 to the Authority.	The Authority with mutual consent reserves the right to review, approve and require Corrigendum of the terms of the Consortium Contract or any contract or agreements entered into by and between the members of such Consortium 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 to the Authority.	Tender condition shall prevail
Vol.3	2409	Wipro (set-2)	Vol 3 42	.32/50	Authority shall have the right to take appropriate penalizing actions, or termination of the contract.	Authority shall have the right to take appropriate penalizing- actions, or termination of the contract.	Tender condition shall prevail
Vol.3	2410	Wipro (set-2)	Vol 3 43.3	.32/50	Maximum Penalty applicable for any quarter shall not exceed 30% of the 'applicable fees' for the respective quarter.	Maximum Penalty applicable for any quarter shall not exceed 3% of the 'applicable fees' for the respective quarter.	Tender condition shall prevail
Vol.3	2411	Wipro (set-2)	Vol 3 43.4	.32/50	Three consecutive quarterly deductions of 30 % of the applicable fee on account of any reasons shall be deemed to be an event of default and termination as per Clause 35 of this Section of RFP respectively and the consequences as provided in Clause 36 of this section of RFP shall follow.	Three consecutive quarterly deductions of 3 % of the applicable fee on account of any reasons shall be deemed to be an event of default and termination as per Clause 35 of this Section of RFP respectively and the consequences as provided in Clause 36 of this section of RFP shall follow.	Tender condition shall prevail
Vol.3	2412	Wipro (set-2)	Vol 3 43.4	.32/50	Three consecutive quarterly deductions of 30 % of the applicable fee on account of any reasons shall be deemed to be an event of default and termination as per Clause 35 of this Section of RFP respectively and the consequences as provided in Clause 36 of this section of RFP shall follow.	Three consecutive quarterly deductions of 3 % of the applicable fee on account of any reasons shall be deemed to be an event of default and termination as per Clause 35 of this Section of RFP respectively and the consequences as provided in Clause 36 of this section of RFP shall follow.	Refer Addendum for Vol -3
Vol.3	2413	Wipro (set-2)	Vol 3 29.1	.24/50	Neither Party shall be liable to the other Party for any indirect or consequential loss or damage (including loss of revenue and profits) arising out of or relating to the Contract. 29.2. Except in case of gross negligence or wilful misconduct on the part of SI or on the part of any person or company acting on behalf of SI in carrying out the Services, SI, with respect to damage caused by SI to Authority's property, shall not be liable to Authority:29.3. This limitation of liability shall not affect SI liability, if any, for damage to Third Parties caused by SI or any person or company acting on behalf of SI in carrying out the Services. (i) for any indirect or consequential loss or damage; and (ii) for any direct loss or damage that exceeds (A) the total payments payable under the Contract to SI hereunder, or (B) the proceeds SI may be entitled to receive from any insurance maintained by SI to cover such a liability, whichever of (A) or (B) is higher.	Limitation of Bidder's Liability towards the Authority: 29.1. SI shall not be held liable Except in case of gross negligence or willful misconduct on the part of SI or on the part of any person or company acting on behalf of SI in carrying out the Services, with respect to damage caused by SI to Authority's tangible property, shall not be liable to Authority: (i) for any speculative, indirect or consequential loss or damage; and (ii) for any direct loss or damage caused by the SI the limitation of liability under the contract shall not exceed (A) the total payments payable under the Contract to SI hereunder, or (B) the proceeds Lead Bidder may be entitled to receive Limitation of Bidder's Liability towards the Authority: Such Liability caused by the SI the limitation of liability under the contract shall not exceed the fees (excluding reimbursements) received by it under this contract during the six months preceding the date of first claim.	Refer Addendum for Vol -3

Vol.3	2414	Wipro (set-2)	Vol 3 36	.28/50	The Authority may, terminate this Contract in whole or in part by giving SI a prior and written notice indicating its intention to terminate the Contract.	As per RFP SL should be given 60 days written notice to cure the default failing which may attract termination. In the event of termination , SL shall be paid for the Services rendered or work in progress.	Tender condition shall prevail
Vol.1	2415	Wipro (set-2)	Vol 1 3.5	.37/104	The bidder (or any Consortium member) should have experience of setting up and Operation & Maintenance of Data centre built for Central / State Government Department or Central/State Public Sector Units (PSUs)/ Smart City and other Government establishment in India during last Seven (7) years as on Bid Submission date	Please allow last 10 years project as well. The bidder (or any Consortium member) should have experience of setting up and Operation & Maintenance of Data centre built for Central / State Government Department or Central/State Public Sector Units (PSUs)/ Smart City and other Government establishment in India during last Ten (10) years as on Bid Submission date	Tender conditions shall prevail.
Vol.1	2416	Wipro (set-2)	Vol 1 3.5	.37/104	The bidder (or any Consortium member) should have experience of setting up and Operation & Maintenance of Integrated command & control room/ emergency response centre /Security and Surveillance control room/ Surveillance control room built for Central / State Government Department or Central/State Public Sector Units (PSUs)/ Smart City and other Government establishment in India during last Seven (7) years as on Bid Submission date.	Please allow last 10 years project as well. The bidder (or any Consortium member) should have experience of setting up and Operation & Maintenance of Integrated command & control room/ emergency response centre /Security and Surveillance control room/ Surveillance control room built for Central / State Government Department or Central/State Public Sector Units (PSUs)/ Smart City and other Government establishment in India during last Ten 10 years as on Bid Submission date.	Tender conditions shall prevail.
Vol.1	2417	Wipro (set-2)	Vol 1 3.5	.39/104	The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on City surveillance with video analytics system of minimum value of INR 15 Crores during last seven years (as on Bid Submission date) per project.	The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on City /Campur/Aiport surveillance minimum value of INR 10 Crores during last seven years (as on Bid Submission date) per project.	Refer Addendum for Vol -1
Vol.1	2418	Wipro (set-2)	Vol 1 3.6.1	.39/104	The Sole Bidder or any consortium member (in case of consortium) have been awarded and successfully designed, executed & commissioned and Operation & Maintenance of Integrated command & control room/ emergency response centre /Security and Surveillance control room/ Surveillance control room built for any State/ Central Government Department or Central/ State PSUs/ Smart City in India of minimum value of INR 5 Crores per projects during last Seven (7) years (as on Bid Submission date)	The Sole Bidder or any consortium member (in case of consortium) have been awarded and successfully designed, executed & commissioned and Operation & Maintenance of Integrated command & control room/ emergency response centre /Security and Surveillance control room/ Surveillance control room built for any State/ Central Government Department or Central/ State PSUs/ Smart City in India of minimum value of INR 5 Crores per projects during last Ten (10) years (as on Bid Submission date)	Tender conditions shall prevail.
Vol.1	2419	Wipro (set-2)	Vol 1 3.5	.36/104	Documentary evidence (Copy of completion/ Ongoing client certificate and Work Order/ Contract)	Incase of NDA, certificate from Chartered Accountant stating the tender requirements shall be qualified. Please confirm	Refer Addendum for Vol -1
Vol.1	2420	Wipro (set-2)	Vol 1 3.5	.35/104	3. The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India	3. The Sole Bidder or any consortium member (in case of consortium) should have successfully executed projects in last 10 years with minimum 1000 cumulative numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India/Abroad	Refer Addendum for Vol -1

Vol.1	2421	RPG Smart Infra (KEC International Limited)	Vol 1, Section 3.5 PQ1	33	<p>The Sole Bidder or Lead Bidder (in case of consortium) should be:</p> <ul style="list-style-type: none"> - An Indian firm. - Registered under the Companies Act 1956/ 2013 - In operation in India for a period of at least 5 years as on date of bid submission. <p>Consortium members:</p> <ul style="list-style-type: none"> -Maximum three (3) companies are allowed in a consortium including Lead Bidder. - An Indian firm. - All members should be registered under the Companies Act 1956/ 2013 <p>In operation in India for a period of at least 3 years as on date of bid submission.</p>	<p>The scope of this project is very vast, complex and very niche in nature, hence it s very difficult to deliver the entire project scope by 2 consortium partners only.</p> <p>Hence we request you to kindly allow Maximum Four (4) companies in a consortium including Lead Bidder.</p>	Tender conditions shall prevail.
Vol.1	2422	RPG Smart Infra (KEC International Limited)	Vol 1, Section 3.5 PQ3	35	<p>The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India</p>	<p>In various other smart city projects this criteria has been very relaxed, For Various other criterias the time period sought is 7 years however here it is 3 years.</p> <p>This criteria seems to be very bidder specific and hence request you to kindly relax it as below :</p> <p>The Sole Bidder or any consortium member (in case of consortium) should have successfully executed projects in last 3 years with minimum cumulative 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India</p>	Refer Addendum for Vol -1
Vol.1	2423	RPG Smart Infra (KEC International Limited)	Vol 1, 3.6.1 Technical Criteria B2	40	<p>The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project with the following components during last seven years (as on Bid Submission date) Components:</p> <ul style="list-style-type: none"> • Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System AND • RLVD System / ANPR System 	<p>Request you to kindly update the clause as below :</p> <p>The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project with the following components during last seven years (as on Bid Submission date) Components:</p> <ul style="list-style-type: none"> • Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System AND • RLVD System / ANPR System 	Refer Addendum for Vol -1
Vol.1	2424	RPG Smart Infra (KEC International Limited)	Vol 1, 3.6.1 Technical Criteria B4.2	42	<p>Marks shall be allotted as below:</p> <p>No. of projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the ICCS Solutions proposed by the Bidder is fully operational and integrated with multiple applications like Surveillance, ITMS etc. in last 3 years as on date of submission of bid.</p> <p>Marking will be done on Pro-rata basis.</p>	<p>Marks shall be allotted as below:</p> <p>This criteria is ambiguous in nature. As a normal assessment process, similar to other TQ criteria of this RFP, the number of projects/credentials needs to be specified along with their corresponding marks.</p>	Refer Addendum for Vol -1

Vol.1	2425	RPG Smart Infra (KEC International Limited)	Vol 1, 3.6.1 Technical Criteria B5	42	No. of Surveillance projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the VMS proposed by the Bidder is fully operational and integrated with Central Control Centre/ Room and consisting of at least 1000 IP CCTV Cameras in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis	This criteria is ambiguous in nature. As a normal assessment process, similar to other TQ criteria of this RFP, the number of projects/credentials needs to be specified along with their corresponding marks. The time period sought is 3 years which is very OEM specific; hence request you to kindly relax it as below : No. of Surveillance projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the VMS proposed by the Bidder is fully operational and integrated with Central Control Centre/ Room and consisting of at least 1000 IP CCTV Cameras in last 7 (seven) years as on date of submission of bid.	Refer Addendum for Vol -1
Vol.1	2443	Fluentgrid Limited	2.29. Eligible Goods and Services, and OEM Criteria	28	The ICCC Solution proposed by the Bidder must be operational in minimum 2 City wide projects in India with at least 1000 cameras/sensors in last 3 years. Undertaking from OEM and successful completion/ installation report from client (State / Central Government Department or Central /State PSUs/ Smart City) needs to be submitted along with the bid documents.	As per our understanding, the required 1000 sensors to meet the criteria can be from any IOT device. Kindly confirm if our understanding is correct.	Bidder's understanding is correct.
Vol.1	2454	ARS Traffic and Transport Technology	Volume:1 Section:1.4. Definitions/Acronyms	9 of 104	Parent company existence of Bidder/ Lead bidder would be considered for only 100% subsidiary/ division/ sub division/ branch business unit. For the purpose of technical evaluation, net worth and turnover of parent, associate or other related entity will not be considered.	The parent company credentials of consortium partners is not mentioned here. Recent similar tenders has allowed all bidders to use their parent company credentials. Requesting authority to allow the use of parent company credential for consortium partners also in order to increase the participation of competitive bidders. Change Request: Parent company existence of Bidder/ Lead bidder/ Consortium partner would be considered for only 100% subsidiary/ division/ sub division/ branch business unit. For the purpose of technical evaluation, net worth and turnover of parent, associate or other related entity will be considered.	Tender conditions shall prevail.
Vol.1	2455	ARS Traffic and Transport Technology	Volume:1 Section:2.29. Eligible Goods and Services, and OEM Criteria	28 of 104	e) OEM to give declaration that offered product will not be end of life for minimum of 24 months from the date of bidding and the support for such offered product/s will be available for minimum of 10 years from the date of bidding.	Electronic equipment role over happens frequently and hence mandating this clause will allow majority of the OEMs to participate. Change Request:- e) OEM to give declaration that offered product will not be end of life for minimum of 12 months from the date of bidding and the support for such offered product/s will be available for minimum of 5 years from the date of bidding.	Agreed. Bidder to Addendum of Vol. 1 "OEM to give declaration that offered product will not be end of life for minimum of 12 months from the date of bidding and the support for such offered product/s will be available for the period of 60 months from the date of Go-live."
Vol.1	2456	ARS Traffic and Transport Technology	Volume:1 Section:2.29. Eligible Goods and Services, and OEM Criteria	28 of 104	h) The OEM for VMS proposed by the Bidder must be operational in minimum 2 City Surveillance projects in India with at least 1000 cameras in last 3 years as on date of submission of bid.	Change Request: h) The OEM for VMS proposed by the Bidder must be operational in minimum 1 City Surveillance projects in India with at least 500 cameras in last 5 years as on date of submission of bid.	Tender conditions shall prevail.

Vol.1	2457	ARS Traffic and Transport Technology	Volume:1 Section:2.29. Eligible Goods and Services, and OEM Criteria	28 of 104	i) The ICCS Solution proposed by the Bidder must be operational in minimum 2 City wide projects in India with at least 1000 cameras/sensors in last 3 years.	Change Request: i) The ICCS Solution proposed by the Bidder must be operational in minimum 1 City wide projects in India with at least 500 cameras/sensors in last 5 years.	Tender conditions shall prevail.
Vol.1	2458	ARS Traffic and Transport Technology	Volume:1 Section:2.29. Eligible Goods and Services, and OEM Criteria	28 of 104	l) Each of the proposed OEMs should either have existing capability and infrastructure to provide 24x7x365 technical support in India or should provide an undertaking that they would establish the requisite infrastructure and capability to provide 24x7x365 technical support, on emerging a winner in this bidding process.	Change Request: l) Each of the proposed OEMs/ SI (System Integrator) with help of OEM should either have existing capability and infrastructure to provide 24x7x365 technical support in India or should provide an undertaking that they would establish the requisite infrastructure and capability to provide 24x7x365 technical support, on emerging a winner in this bidding process.	Tender conditions shall prevail.
Vol.1	2459	ARS Traffic and Transport Technology	Volume:1 Section:2.29. Eligible Goods and Services, and OEM Criteria	28 of 104	m) All hardware items should to be quoted with 5 years warranty from OEM and onsite support and services.	Change Request: m) All hardware items should to be quoted with 5 years warranty or AMC till 5th year post default warranty period from OEM and onsite support and services.	Tender conditions shall prevail.
Vol.1	2460	ARS Traffic and Transport Technology	Volume:1 Section:2.29. Eligible Goods and Services, and OEM Criteria	28 of 104	n) All software/subscription/licenses should be quoted with 5 years warranty, updates, upgrades (wherever applicable), support and services from OEM.	Change Requesting) All software/subscription/licenses should be quoted with 5 or AMC till 5th year post default warranty period, updates, upgrades (wherever applicable), support and services from OEM.	Tender conditions shall prevail.
Vol.1	2461	ARS Traffic and Transport Technology	Volume:1 Section:2.29. Eligible Goods and Services, and OEM Criteria	28 of 104	o) OEM of all active IT components should have online portal to raise tickets for support and services. p) Product serial numbers of all IT active components should be available in the OEM's online portal for ease of call log, maintenance and support. q) OEM should have end user web interface to log case with product serial number.	Our Kind request to GSCL to remove these clauses because online direct support may not be available from many OEM which may decrease in participation of many potential OEMs.	Tender condition shall prevail.
Vol.1	2462	ARS Traffic and Transport Technology	Volume:1 Section:3.5. Pre-Qualification Criteria	34 of 104	A. The Sole Bidder shall have an average annual turnover of 250 Crore over the last three (3) financial years. o Each consortium member should have minimum 30% of the Average Annual Turnover requirement	Requesting GSCL to relax the annual turnover requirement of consortium members to increase wide participation. Change Request: o Each consortium member should have minimum 10% of the Average Annual Turnover requirement	Refer Addendum for Vol -1
Vol.1	2463	ARS Traffic and Transport Technology	Volume:1 Section:3.5. Pre-Qualification Criteria	34 of 104	B. Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 200 Crore from the "specific business areas" mentioned below over the last three financial years with lead bidder should have minimum 60% average annual turnover requirement. .	Change Request: B. Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 100 Crore from the "specific business areas" mentioned below over the last three financial years with lead bidder should have minimum 60% average annual turnover requirement.	Refer Addendum for Vol -1

Vol.1	2464	ARS Traffic and Transport Technology	Volume:1 Section:3.5. Pre-Qualification Criteria	35 of 104	The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralized Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India.	Kindly relax the requirement for a wide participation, since the other Pre-Qualification Criteria has allowed projects implemented in last 7 years already. Please accept global projects, which will demonstrate the bidder's vast expertise in the traffic management domain. Kind request to GSCL to amend the clause as below: Change Request: The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 7 years with minimum 500 numbers of IP CCTV Cameras for outdoor surveillance with centralized Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India/globally.	Refer Addendum for Vol -1
Vol.1	2465	ARS Traffic and Transport Technology	Volume:1 Section:3.5. Pre-Qualification Criteria	35 of 104	The bidder (or any Consortium member) should have experience of setting up and Operation & Maintenance of Data centre built for Central / State Government Department or Central/State Public Sector Units (PSUs)/ Smart City and other Government establishment in India during last Seven (7) years as on Bid Submission date	Please accept global projects, which will demonstrate the bidder's vast expertise in the traffic management domain. Change Request: The bidder (or any Consortium member) should have experience of setting up and Operation & Maintenance of Data centre built for Central / State Government Department or Central/State Public Sector Units (PSUs)/ Smart City and other Government establishment in India/globally during last Seven (7) years as on Bid Submission date	Tender conditions shall prevail.
Vol.1	2466	ARS Traffic and Transport Technology	Volume:1 Section:3.5. Pre-Qualification Criteria	36 of 104	In case sole bidder/ lead bidder is a wholly owned subsidiary, the experience of parent company would be considered for eligibility.	Change request: Please amend the clause as below: owned subsidiary, the experience and financials of parent company would be considered for eligibility.	Tender conditions shall prevail.
Vol.1	2467	ARS Traffic and Transport Technology	Volume:1 Section:3.5. Pre-Qualification Criteria	36 of 104	The bidder (or any Consortium member) should have experience of setting up and Operation & Maintenance of Integrated command & control room/ emergency response centre /Security and Surveillance control room/ Surveillance control room built for Central / State Government Department or Central/State Public Sector Units (PSUs)/ Smart City and other Government establishment in India during last Seven (7) years as on Bid Submission date.	Please accept global projects, which will demonstrate the bidder's vast expertise in the traffic management domain. Change request: The bidder (or any Consortium member) should have experience of setting up and Operation & Maintenance of Integrated command & control room/ emergency response centre /Security and Surveillance control room/ Surveillance control room built for Central / State Government Department or Central/State Public Sector Units (PSUs)/ Smart City and other Government establishment in India/globally during last Seven (7) years as on Bid Submission date.	Refer Addendum for Vol -1

Vol.1	2468	ARS Traffic and Transport Technology	Volume:1 Section:3.5. Pre-Qualification Criteria- Note.	37 of 104	3. For International project if the original client certificate and other documents are in language other than English than a translated copy duly confirmed by Indian embassy/ One of the board of directors of the lead bidder/ consortium member shall be submitted along with bid document.	As the criteria requested in clause requires lot of external work with Ministry of External Affairs thus results in time consumption which may delay in bid submission for many bidders. Requesting to amend the clause as below: Change request: 3. For International project if the original client certificate and other documents are in language other than English should be translated in English / One of the board of directors of the lead bidder/ consortium member shall be submitted along with bid document.	Tender conditions shall prevail.
Vol.1	2469	ARS Traffic and Transport Technology	Volume:1 Section:3.5. Pre-Qualification Criteria- Note.	37 of 104	Bidders are allowed to submit experience in terms of technical qualification of their holding (parent) company or subsidiary company or Sister Concern only.	Please amend the clause as below: Change request: Bidders are allowed to submit experience in terms of technical qualification and financials of their holding (parent) company or subsidiary company or Sister Concern only.	Tender conditions shall prevail.
Vol.1	2470	ARS Traffic and Transport Technology	Volume:1 Section:3.6.1 Technical Bid Criteria & Evaluation.	39 of 104	A2. Manpower - Full time employee (FTE) on payroll of Sole bidder or Lead bidder (in case of consortium) working in the business unit providing "specific business areas" as mentioned in the above criteria as on date of release of RFP : Number of FTE Marks > 500 FTE 4 > 400 FTE to <=500 FTE 3 > 300 FTE to <=400 FTE 2 = 300 FTE 1	Change Request: Please relax the marking criteria as below. Number of FTE Marks > 250 FTE 4 > 200 FTE to <=250 FTE 3 > 150 FTE to <=100 FTE 2 = <100 FTE 1	Refer Addendum for Vol -1
Vol.1	2471	ARS Traffic and Transport Technology	Volume:1 Section:3.6.1 Technical Bid Criteria & Evaluation.	40 of 104	B2. Integrated Traffic Management System- The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project with the following components during last seven years (as on Bid Submission date) Components: • Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System AND • RLVD System / ANPR System	Change Request: The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project with the following components during last seven years (as on Bid Submission date) Components: • Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System /RLVD System / ANPR System.	Refer Addendum for Vol -1
Vol.1	2472	ARS Traffic and Transport Technology	Volume:1 Section:3.6.1 Technical Bid Criteria & Evaluation.	41 of 104	B4. 1. The Sole Bidder or any consortium member (in case of consortium) have been awarded and successfully designed, executed & commissioned and Operation & Maintenance of Integrated command & control room/ emergency response centre /Security and Surveillance control room/ Surveillance control room built for any State/ Central Government Department or Central/ State PSUs/ Smart City in India of minimum value of INR 5 Crores per projects during last Seven (7) years (as on Bid Submission date)	Change Request: The Sole Bidder or any consortium member (in case of consortium) have been awarded and successfully designed, executed & commissioned and Operation & Maintenance of Integrated command & control room/ emergency response centre /Security and Surveillance control room/ Surveillance control room built for any State/ Central Government Department or Central/ State PSUs/ Smart City in India/globally of minimum value of INR 5 Crores per projects during last Seven (7) years (as on Bid Submission date)	Refer Addendum for Vol -1

Vol.1	2473	ARS Traffic and Transport Technology	Volume:1 Section:3.6.1 Technical Bid Criteria & Evaluation.	42 of 104	B4. 2 Integrated Command and Control Centre Solution (OEM Criteria)- No. of projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the ICCS Solutions proposed by the Bidder is fully operational and integrated with multiple applications like Surveillance, ITMS etc. in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis.	Change Request:- No. of projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India/globally where the ICCS Solutions proposed by the Bidder is fully operational and integrated with multiple applications like Surveillance, ITMS etc. in last 7 years as on date of submission of bid. 2 Projects = 5 marks 1 project = 3 marks	Refer Addendum for Vol -1
Vol.1	2474	ARS Traffic and Transport Technology	Volume:1 Section:3.6.1 Technical Bid Criteria & Evaluation.	42 of 104	Copy of Completion Certificates from Client mentioning name of CCC Software.	Client certificates generally doesn't mention the name of CCC software. Please allow bidder to submit completion certificate that mentions the successful implementation of CCC.	Refer Addendum for Vol -1
Vol.1	2475	ARS Traffic and Transport Technology	Volume:1 Section:3.6.1 Technical Bid Criteria & Evaluation.	42 of 104	B5. VMS (OEM Criteria)- No. of Surveillance projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the VMS proposed by the Bidder is fully operational and integrated with Central Control Centre/ Room and consisting of at least 1000 IP CCTV Cameras in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis.	Change Request:- No. of Surveillance projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India/globally where the VMS proposed by the Bidder is fully operational and integrated with Central Control Centre/ Room and consisting of at least 500 IP CCTV Cameras in last 7 years as on date of submission of bid. A project with 500 cameras = 5 marks A project with 300 cameras = 3 marks	Refer Addendum for Vol -1
Vol.1	2476	ARS Traffic and Transport Technology	Volume:1 Section:3.6.1 Technical Bid Criteria & Evaluation.	42 of 104	Copy of Completion Certificates from Client mentioning name of VMS Software.	Client certificates generally doesn't mention the name of VMS software. Please allow bidder to submit completion certificate that mentions the successful implementation of VMS for mentioned number of cameras.	Refer Addendum for Vol -1
Vol.1	2477	ARS Traffic and Transport Technology	Volume:1 Section:3.6.1 Technical Bid Criteria & Evaluation.	42 of 104	The Sole Bidder or any consortium member (in case of consortium) have been awarded and successfully designed, executed & commissioned and Operation & Maintenance of Data Centre Project for any State/ Central Government Department or Central/ State PSUs/ Smart City in India of minimum value of INR 10 Crores per projects during last Seven (7) years (as on Bid Submission date)	Change Request: The Sole Bidder or any consortium member (in case of consortium) have been awarded and successfully designed, executed & commissioned and Operation & Maintenance of Data Centre Project for any State/ Central Government Department or Central/ State PSUs/ Smart City in India/globally of minimum value of INR 5 Crores per projects during last Seven (7) years (as on Bid Submission date)	Refer Addendum for Vol -1
Vol.1	2478	ARS Traffic and Transport Technology	Volume:1 Section:3.6.1 Technical Bid Criteria & Evaluation.	44 of 104	POC to be performed as per use case to be provided by GSCL/ GSCL nominated agency	No specific timelines specified in RFP regarding PoC is mentioned. Requesting GSCL to provide at least 3 weeks prior intimation for PoC in order to plan & procure for PoC.	Will be communicated to pre-qualified bidders.
Vol.1	2479	ARS Traffic and Transport Technology	Volume:1 Section:3.6.3 Key Personnel Criteria	46 of 104	Network & Security Infrastructure Expert a. Education: M.Tech/ B.Tech/ B.E from a reputed institute b. Experience: Minimum 10 years of IT experience c. Should have experience in designing & implementing network solutions for at least 3 similar projects.	Change Request:- a. Education: MCA/M.Tech/ B.Tech/ B.E from a reputed institute b. Experience: Minimum 10 years of IT experience c. Should have experience in designing & implementing network solutions for at least 3 similar projects.	Refer Addendum for Vol -1

Vol.3	2483	ARS Traffic and Transport Technology	Volume:3 Section:10. Bidders obligation	9 of 50	10.6 SI shall ensure that none of the Key Personnel (refer Section 3.6.2 of the RFP Volume I proposed) and manpower exit from the project during first 6 months of the beginning of the project. In such cases of exit, a penalty of INR 2 lakhs per such replacement shall be imposed on SI.	Requesting GSCL to kindly relax the amount of penalty imposed as the manpower proposed can exit due various reasons including personal reasons of the employee. Change request:- In such cases of exit, a penalty of INR 50,000 per such replacement shall be imposed on SI.	Refer Addendum for Vol -3
Vol.1	2541	iValue InfoSolutions Pvt. Ltd. (Set 2)	2.29. Eligible Goods and Services, and OEM Criteria	Volume # 1 Page No # 28	f) The proposed OEM should have installed base of at least 20% of the quoted product in terms of volume in a single project.	f) The proposed OEM should have installed base of at least 10% of the quoted product in terms of volume in a single project.	Tender conditions shall prevail.
Vol.1	2542	iValue InfoSolutions Pvt. Ltd. (Set 2)	2.29. Eligible Goods and Services, and OEM Criteria	Volume # 1 Page No # 28	o) OEM of all active IT components should have online portal to raise tickets for support and services.	The OEM of active IT components should have ticketing systems for suport calls	Tender conditions shall prevail.
Vol.1	2543	iValue InfoSolutions Pvt. Ltd. (Set 2)	2.29. Eligible Goods and Services, and OEM Criteria	Volume # 1 Page No # 28	p) Product serial numbers of all IT active components should be available in the OEM's online portal for ease of call log, maintenance and support.	The OEM of active IT components should have ticketing systems for suport calls	Tender conditions shall prevail.
Vol.1	2544	iValue InfoSolutions Pvt. Ltd. (Set 2)	2.29. Eligible Goods and Services, and OEM Criteria	Volume # 1 Page No # 28	q) OEM should have end user web interface to log case with product serial number.	The OEM of active IT components should have ticketing systems for suport calls	Tender conditions shall prevail.
Vol.1	2545	iValue InfoSolutions Pvt. Ltd. (Set 2)	2.29. Eligible Goods and Services, and OEM Criteria	Volume # 1 Page No # 28	Additional Clause for Camera OEM Eligibility Criteria	Camera OEM should not be suspended/ blacklisted from ONVIF forum. As the integration of Camera with VMS will be on ONVIF only so ONVIF regular updates are essential and any member who is suspended will not get the updates	Tender conditions shall prevail.
Vol.1	2546	iValue InfoSolutions Pvt. Ltd. (Set 2)	2.29. Eligible Goods and Services, and OEM Criteria	Volume # 1 Page No # 28	Additional Clause for Camera OEM Eligibility Criteria	All the cameras in the project should be from the same OEM for ease of Integration with VMS and other analytics	Tender conditions shall prevail.

Vol.1	2597	Harriban Broadcasting and Communications	Vol-1	Page 57, Table 1(Pre Qualification Requirements), SI No. 2 'A'	A. The Sole Bidder shall have an average annual turnover of INR 250 Crore over the last three (3) financial years. In case of consortium: o Lead Bidder should have minimum 60% of the Average Annual Turnover requirement o Each consortium member should have minimum 30% of the Average Annual Turnover requirement o All members together should meet INR 250 Crore Average Annual Turnover requirement	A. The Sole Bidder shall have an average annual turnover of INR 250 Crore over the last three (3) financial years. In case of consortium: o Lead Bidder should have minimum 60% of the Average Annual Turnover requirement o Each consortium member should have minimum 30% of the Average Annual Turnover requirement. In case, consortium member is MSME of same field then average annual turnover relaxation for MSME (not lead bidder) for last 3 years o All members together should meet INR 250 Crore Average Annual Turnover requirement	Refer Addendum for Vol -1
Vol.1	2598	Harriban Broadcasting and Communications	Vol-1	Page 57, Table 1(Pre Qualification Requirements), SI No. 2 'B'	B. Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 200 Crore from the "specific business areas" mentioned below over the last three financial years with lead bidder should have minimum 60% average annual turnover requirement. o ICT Infrastructure o IT system integration services	B. Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 100 Crore from the "specific business areas" mentioned below over the last three financial years with lead bidder should have minimum 60% average annual turnover requirement. o ICT Infrastructure o IT system integration services	Refer Addendum for Vol -1
Vol.1	2599	Harriban Broadcasting and Communications	Vol-1	Page 40, Clause 3.6.1-Technical Bid Criteria and Evaluation. SI No. B2	Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project with the following components during last seven years (as on Bid Submission date) Components: • Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System AND • RLVD System / ANPR System Marks shall be allotted as below: Number of Projects Marks >= 3 Projects 10 2 Projects 8 1 Project 6	The criteria should be made applicable to OEMs as it has been done for ICCC & VMS in Vol-1, Page 42, Clause 3.6.1-Technical Bid Criteria and Evaluation. SI No B.4.2 & B5	Refer Addendum for Vol -1
Vol.1	2600	Harriban Broadcasting and Communications	Vol-1	Page 42, Clause 3.6.1-Technical Bid Criteria and Evaluation. SI No. B6	The Sole Bidder or any consortium member (in case of consortium) have been awarded and successfully designed, executed & commissioned and Operation Maintenance of Data Centre Project for any State/Central Government Department or Central/State PSUs/Smart City in India of minimum value of INR 10 Crores per projects during last Seven (&) years (as on Bid Submission date)	The Sole Bidder or any consortium member (in case of consortium) have successfully designed, executed & commissioned and Operation Maintenance of Data Centre Project for any State/Central Government Department or Central/State PSUs/Smart City in India of minimum value of INR 3 Crores per projects during last Seven (&) years (as on Bid Submission date)	Refer Addendum for Vol -1

Vol.1	2608	EFKON India Pvt. Ltd	Vol-01/ 2. Instruction to Bidders 2.8. Earnest Money Deposit (EMD)	Page 16 of 104	2.8. Earnest Money Deposit (EMD) The bid document must be accompanied by the Earnest Money Deposit of Rs. 2,59,00,000/- (Rupees Two Crore, Fifty-Nine Lakhs only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank.	Considering the large value of EMD, we request GSCL to kindly accept the EMD in the form of Bank Guarantee like all other Smart City Tenders.	Refer Addendum for Vol -1
Vol.1	2609	EFKON India Pvt. Ltd	Vol-01/ 2.29. Eligible Goods and Services, and OEM Criteria	Page 28 of 104	h) The OEM for VMS proposed by the Bidder must be operational in minimum 2 City Surveillance projects in India with at least 1000 cameras in last 3 years as on date of submission of bid. Undertaking from OEM and successful completion/ installation report from client (State/ Central Government Department or Central/ State PSUs/ Smart City) needs to be submitted along with the bid documents.	The given clause is OEM specific and restricting participation of MSME in this RFP. We request to amend the clause as below: h) The OEM for VMS proposed by the Bidder must be operational in minimum 2-1 City Surveillance / TMS projects in India with at least 1000-500 cameras in last 3 years as on date of submission of bid. Undertaking from OEM and successful completion/ installation report from client (State/ Central Government Department or Central/ State PSUs/ Smart City) needs to be submitted along with the bid documents.	Refer Addendum for Vol -1
Vol.1	2610	EFKON India Pvt. Ltd	Vol-01/ 2.29. Eligible Goods and Services, and OEM Criteria	Page 28 of 104	i) The ICCC Solution proposed by the Bidder must be operational in minimum 2 City wide projects in India with at least 1000 cameras/sensors in last 3 years. Undertaking from OEM and successful completion/ installation report from client (State / Central Government Department or Central /State PSUs/ Smart City) needs to be submitted along with the bid documents.	The given clause is OEM specific and restricting participation of MSME in this RFP. We request to amend the clause as below: i) The ICCC Solution proposed by the Bidder must be operational in minimum 2-1 City wide projects in India with at least 1000-500 cameras/sensors in last 3 years. Undertaking from OEM and successful completion/ in stallation report from client (State / Central Government Department or Central /State PSUs/ Smart City) needs to be submitted along with the bid documents.	Refer Addendum for Vol -1
Vol.1	2611	EFKON India Pvt. Ltd	Vol-01/ 2.29. Eligible Goods and Services, and OEM Criteria	Page 28 of 104	o) OEM of all active IT components should have online portal to raise tickets for support and services. p) Product serial numbers of all IT active components should be available in the OEM's online portal for ease of call log, maintenance and support. q) OEM should have end user web interface to log case with product serial number.	Considering the scope of services in this project these clauses are OEM specifics and this is not feasible to comply with for all IT components. This will provide hindrance in providing a comprehensive solution. Hence we request authority to amend these clauses. o) OEM of all active IT components should have online portal to raise tickets for support and services. p) Product serial numbers of all IT active components should be available in the OEM's online portal for ease of call log, maintenance and support. q) OEM should have end user web interface to log case with product serial number.	Tender conditions shall prevail.
Vol.1	2612	EFKON India Pvt. Ltd	Vol-01/ 4.3 Stage 3: Commercial Evaluation	Page 32 of 104	e) The bid price shall include all taxes and levies and shall be in Indian Rupees and mentioned separately.	We understand the quoted price by bidder shall be excluding GST amount and GST shall be paid as per actual to successful bidder. Please confirm, if understanding is correct.	The quoted price by bidder shall be inclusive of GST amount.
Vol.1	2613	EFKON India Pvt. Ltd	Vol-01/ 3.6.4 Manpower Deployment	Page 47 of 104	3.6.4 Manpower Deployment	Requisite Manpower is not mentioned in the Excel Sheet (Price Bid) provided with the RFP documents. Please confirm under which item bidder needs to quote for the charges for Manpower mentioned under this section.	Bidder has to load the manpower deployment cost in the O&M schedule and no separate line item shall be provided.

Vol.1	2730	Hewlett Packard Enterprise	Vol-1	27	2.27 Subcontracting	It is request to remove the restrictions on the sub-contracting scope. The Bidder will be fully responsible for completion of all activities as per the RFP even if it has been sub contracted.	Tender conditions shall prevail.
Vol.1	2731	Hewlett Packard Enterprise	Vol-1	49 – 50	4.3 PBG This Performance Bank Guarantee shall be valid up to six (6) months after successful completion of the contract for the total contract duration i.e., 'Go- Live' + 60 months of O&M.	It is requested to clarify that the Bidder can submit Annually renewable BGs as there are challenges in submitting BGs for such long tenure in one go.	Responses related to PBG provided above may be referred.
Vol.3	2732	Hewlett Packard Enterprise	Vol-3	3	1.11 "Effective Date" means the date on which this Contract is signed or LoI is issued by Authority, whichever is earlier and executed by the parties hereto. If this Contract is executed in parts, then the date on which the last of such Contracts is executed shall be construed to be the Effective Date.	It is requested to clarify that the Effective Date shall only be from the execution of the Contract which is a mandatory requirement as per the Process.	Refer Addendum for Vol -3
Vol.3	2733	Hewlett Packard Enterprise	Vol-3	5	3.2 Obtaining of all statutory and other approvals required for the performance of the Services under this Contract. This may include approvals/clearances, wherever applicable, that may be required for execution of this contract e.g. clearances from Government authorities for importing equipment, exemption of Tax/Duties/Levies, work permits/clearances for Bidder/Bidder's team, etc.	It is requested to clarify that the approvals and clearances required for the project from various departments and state authorities shall be obtained by GSCL. The Vendor can only coordinate and support but the process of seeking approvals and associated costs are to be borne by GSCL. Same has been the process in other Smart City Projects. Kindly also clarify that GSCL has the necessary approvals in place from the concerned departments for the works intended to be contracted under this project.	Clause is deleted
Vol.3	2734	Hewlett Packard Enterprise	Vol-3	5	3.4 Furnishing of such other documents as the Authority may specify/ demand.	Kindly provide the exhaustive list of such documents at the RFP stage itself. If such list if not available, it cannot be part of Conditions Precedent.	Clause is deleted
Vol.3	2735	Hewlett Packard Enterprise	Vol-3	15	11 NEW	Please add that : Authority shall be required to obtain and ensure all statutory and departmental permits/approvals required to commence the work that is being contracted under this project, including but not limited to Right of Way etc.	GSCL shall facilitate the SI to obtain all required permits/approvals required to commence the work that is being contracted under this project, including but not limited to Right of Way etc. However, the related charges shall be deposited by the SI to the concerned departments which shall be reimbursed at actual by GSCL.
Vol.3	2736	Hewlett Packard Enterprise	Vol-3	15	12.1 Authority shall make payments to SI at the times and in the manner set out in the Payment schedule as specified Payment Milestones in RFP Volume II subject to the penalties as mentioned under Clause 42 of Section C- Service Levels of Volume 3. Authority shall make all efforts to make payments to SI within 45 days of receipt of invoice(s) and all necessary supporting documents.	It is requested to revise the payment timeline as 30 days from the date of invoice. It is required to list the comprehensive set of documents that need to accompany the Bidder's invoices.	Tender condition shall prevail

Vol.3	2737	Hewlett Packard Enterprise	Vol-3	18	15.1 b. any breach of any of the terms of SI's did as agreed, the RFP and this Contract by SI 15.3 Regardless of anything contained (except for SI's liability for bodily injury and/ or damage to tangible and real property for which it is legally liable and its liability for patent and copyright infringement in accordance with the terms of this Agreement) the total liability of SI, is restricted to the total value of the contract and SI is not responsible for any third party claims.	It is requested to delete (b) as remedy for such instance is claim for damages and not indemnity. Kindly add/clarify that the Bidder shall not be liable for any claims related to indirect or consequential losses (as per clause 29.1)	Tender conditions shall prevail
Vol.3	2738	Hewlett Packard Enterprise	Vol-3	19	17.1 The Contract period shall commence from the date of signing of contract or Issuance of LoI, whichever is earlier, and shall remain valid for 60 Months from the date of Go Live of the system 17.2 If the delay occurs due to circumstances beyond control of SI such as strikes, lockouts, fire, accident, defective materials, delay in approvals or any cause whatsoever beyond the reasonable control of SI, a reasonable extension of time shall be granted by the Authority.	Kindly delete reference to LOI as contract term can commence only after execution of the Contract by both Parties. Kindly clarify that if the Go Live gets delayed for reasons beyond Bidder's control, the Support period of 60 days will be reduced with an equivalent time. The Warranty from OEMs will be for a limited time and would not continue to be valid in the case of large delays in Go Live.	The contract period shall commence from the date of signing of contract and shall remain valid for 60 months from the date of Go Live of the system.
Vol.3	2739	Hewlett Packard Enterprise	Vol-3	19	18 Dispute Resolution	Kindly provide for a 3 step internal escalation process instead of directly preferring Arbitration or Conciliation. Clause 45.2 provides for Issue Management Process and works like an escalation process. Kindly clarify that this process needs to be adhered to first before invoking arbitration.	Bidder to note that Clause 45 of Volume III is self explanatory
Vol.3	2740	Hewlett Packard Enterprise	Vol-3	24	28.2 The deduction shall not in any case exceed 10 % of the contract value.	Kindly revise to 10% of the CAPEX payments till Go Live. All delays would be during Go Live phase as SLAs would be applicable during Post Go Live Phase. it would be onerous to impose penalty linked to Total Contract Value.	Tender conditions shall prevail
Vol.3	2741	Hewlett Packard Enterprise	Vol-3	24	29 Limitation of Liability	Kindly clarify that the aggregate liability of the Bidder for all claims and damages arising under this Agreement shall not exceed the Total Contract Value. The clause is currently silent on the aggregate/total liability. The indemnity clause (15.3) clarified of total liability. Points mentioned in separate clauses can lead to confusion. Hence the ask.	Refer Addendum for Vol -3
Vol.3	2742	Hewlett Packard Enterprise	Vol-3	32	43 43.3 Maximum Penalty applicable for any quarter shall not exceed 30% of the 'applicable fees' for the respective quarter. 43.4. Three consecutive quarterly deductions of 30 % of the applicable fee on account of any reasons shall be deemed to be an event of default and termination as per Clause 35 of this Section of RFP respectively and the consequences as provided in Clause 36 of this section of RFP shall follow.	Kindly revise the maximum cap to 10% of the quarterly fees.	Refer Addendum for Vol -3

Vol.1	2762	Hewlett Packard Enterprise	2.29. Eligible Goods and Services, and OEM Criteria	27	OEM Criteria	ATCS being a important component of the RFP, you are requested to please include suitable OEM criteria of ATCS.	Tender conditions shall prevail.
Vol.1	2763	Hewlett Packard Enterprise	2.29. Eligible Goods and Services, and OEM Criteria	28	The OEM of each product or technology should have valid quality certifications like ISO 9001.	ACTS being a engineering tool, you are requested to onsider CMML3 for Traffic Controller OEM.	Agreed. Bidder to Refer Addendum of Vol 1 "The OEM of each product or technology should have valid quality certifications like ISO 9001 or CMMI Level 3 or better."
Vol.1	2764	Hewlett Packard Enterprise	3.5. Pre-Qualification Criteria	33	The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India.	On page No 37 of Volume one, International Projects have been made acceptable. Kindly consider Global experience in PQ criteria Also. ATCS being a new technology and Guwahathi having larger no of junctions , kindly also consider ATCS OEM experience under this clause. Also consider "Adaptive Traffic Singal Control " in place of Traffic signal Control.	Refer Addendum for Vol -1
Vol.1	2765	Hewlett Packard Enterprise	3.5. Pre-Qualification Criteria P	36	The bidder (or any Consortium member) should have experience of setting up and Operation & Maintenance of Integrated command & control room/ emergency response centre /Security and Surveillance control room/ Surveillance control room built for Central / State Government Department or Central/State Public Sector Units (PSUs)/ Smart City and other Government establishment in India during last Seven (7) years as on Bid Submission date.	On page No 37 of Volume one, International Projects have been made acceptable. Kindly consider Global experience in PQ criteria Also.	Refer Addendum for Vol -1
Vol.1	2766	Hewlett Packard Enterprise	3.5. Pre-Qualification Criteria	36	Note: 1. Following documentary evidence (Citation, copy of completion / ongoing client certificate and work order/Contract/self- certificate) is required for all project experience from the Sole Bidder/ Consortium member	Kindly consider Certificate signed by the Company Secretary/statutory Auditor/certifying the project details, its value, completion status etc in absence of PO/Completion letter.	Refer Addendum for Vol -1

Vol.1	2767	Hewlett Packard Enterprise	3.6.1 Technical Bid Criteria & Evaluation	40	B2 (Integrated Traffic Management System) : The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project with the following components during last seven years (as on Bid Submission date) Components: • Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System AND • RLVD System / ANPR System	ATCS and RLVD/ANPR system being two different technologies kindly allocate separate marking for ATCS and RLVD/ANPR. OR kindly Consider " Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System RLVD System/ANPR System. ATCS scope of Guwahati is for 64 Junctions, considering the same please increase the minimum project value to 10 Cr. Also ATCS being a new technology and Guwahati having larger no of junctions, kindly also consider ATCS OEM experience under this clause	Refer Addendum for Vol -1
Vol.1	2768	Hewlett Packard Enterprise	3.6.1 Technical Bid Criteria & Evaluation	42	VMS (OEM Criteria)	ATCS being an important and crucial component, please include OEM criteria in Technical evaluation also and allocate suitable marks.	Refer Addendum for Vol -1
Vol.1	2769	Hewlett Packard Enterprise	3.6.1 Technical Bid Criteria & Evaluation	44	Proof of Concept (POC)	Please include PoC for ATCS solution also using Simulation Tool.	Tender conditions shall prevail.
Vol.1	2770	Hewlett Packard Enterprise	3.6.1 Technical Bid Criteria & Evaluation Page 44	44	Proposed resources (Max. 10 marks)	Please consider ATCS Expert also from Bidder/OEM.	Refer Addendum for Vol -1
Vol.3	2778	Hewlett Packard Enterprise	Volume 3 43.6.4. City surveillance & ICT Component related performance levels	38	8. Bidder should keep minimum 10% spare at any given point of project execution. Infrastructure equipment should be replaced or repaired after complaint logging from Authority officials Measurement Tool: System generated call log at Helpdesk	ATCS Controllers is of high value item and also has MTBF more than 9 years. Hence 10% is not required. Instead kindly mention Sufficient spare to meet SLA or 10% minimum.	Refer Addendum for Vol -3
Vol.1	2779	Hewlett Packard Enterprise	Vol 1; Cl. 4.6	51	The Employer will, if requested by the CONTRACTOR, make mobilization advance payments of 10(%) percent of the Awarded Contract Value to the CONTRACTOR to assist in defraying the initial expenses that will necessarily be incurred by the CONTRACTOR for mobilization and design. The Mobilization Advance will be given to the CONTRACTOR with Simple Interest of 10 % (Percent) per annum.	Request for interest free advance.	Response to this query provided above may be referred.

Vol.3	2780	Hewlett Packard Enterprise	Vol 3; CI.13	16	<p>Intellectual Property Rights</p> <p>13.1. Retention of Ownership except for the rights expressly granted to the Licensee under this Agreement, the Licensor shall retain all right, title and interest in and to the Licensed Technology, including all worldwide Technology and intellectual property and proprietary rights.</p> <p>13.2. Preservation of Notice Licensee shall not remove, efface or obscure any copyright notices or other proprietary notices or legends from any Licensed Technology or materials provided under this Agreement, and shall reproduce all such notices and legends when incorporating Licensed Technology or materials into any Integrated Products.</p> <p>13.3. SI must ensure that while using any software, hardware, processes, document or material in the course of performing the Services, it does not infringe the Intellectual Property Rights of any person/Company. SI shall keep the Authority indemnified against all costs, expenses and liabilities howsoever, arising out any illegal or unauthorized use (piracy) or in connection with any claim or proceedings relating to any breach or violation of any permission/license terms or infringement of any Intellectual Property Rights by SI or SI's Team during the course of performance of the Services. SI's liability is excluded regarding any claim based on any of the following (a) anything Authority provides which is incorporated into the Solution; (b) the Authority's modification of the solution;</p> <p>13.4. Authority shall own and have a right in perpetuity to use all newly created Intellectual Property Rights which have been developed solely during execution of this Contract, including but not limited to all processes, products, specifications, reports and other documents which have been newly created and developed by SI solely during the performance of Services and for the</p>	we understand this clause is not applicable for Core IPR of any product. Please clarify.	Refer Addendum for Vol -3
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Vol.3	2781	Hewlett Packard Enterprise	Vol 3; Cl.15	18	<p>15. Indemnity</p> <p>15.1. SI shall indemnify the Authority from and against any costs, loss, damages, expense, claims including those from third parties or liabilities of any kind howsoever suffered, arising or incurred inter alia during and after the Contract period out of:</p> <p>a. any negligence or wrongful act or omission by SI or any third party associated with SI in connection with or incidental to this Contract; or</p> <p>b. any breach of any of the terms of SI's bid as agreed, the RFP and this Contract by SI</p> <p>c. any infringement of patent, trademark/copyright or industrial design rights arising from the use of the supplied goods and related services or any part thereof</p> <p>15.2. SI shall also indemnify the Authority against any privilege, claim or assertion made by a third party with respect to right or interest in, ownership, mortgage or disposal of any asset, property etc.</p> <p>15.3. Regardless of anything contained (except for SI's liability for bodily injury and/ or damage to tangible and real property for which it is legally liable and its liability for patent and copyright infringement in accordance with the terms of this Agreement) the total liability of SI, is restricted to the total value of the contract and SI is not responsible for any third party claims</p>	<p>1. Limitation of Liability shall be capped at 100% of Contract Value.</p> <p>2. Request you to delete all Carve Out/ Exclusions from Limitation of Liability</p> <p>3. Either party under no legal theory shall have right to claim for consequential losses and damages</p>	Refer Addendum for Vol -3
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Vol.3	2782	Hewlett Packard Enterprise	Vol 3; Cl.22	21	<p>22. Force Majeure</p> <p>22.1. Force Majeure shall not include any events caused due to acts/ omissions of SI resulting in a breach/ contravention of any of the terms of the Contract and/or SI's Bid. It shall also not include any default on the part of SI due to its negligence or failure to implement the stipulated/ proposed precautions, as were required to be taken under the Contract.</p> <p>22.2. The failure or occurrence of a delay in performance of any of the obligations of either party shall constitute a Force Majeure event only where such failure or delay could not have reasonably been foreseen i.e. war, or hostility, acts of the public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restriction, strikes, lockouts or act of God (hereinafter referred to as events) , or where despite the presence of adequate and stipulated safeguards the failure to perform obligations has occurred at any location in scope. In such an event, the affected party shall inform the other party in writing within five days of the occurrence of such event. Any failure or lapse on the part of SI in performing any obligation as is necessary and proper, to negate the damage due to projected force majeure events or to mitigate the damage that may be caused due to the above mentioned events or the failure to provide adequate disaster management/ recovery or any failure in setting up a contingency mechanism would not constitute force majeure, as set out above.</p> <p>22.3. In case of a Force Majeure, all Parties shall endeavour to agree on an alternate mode of performance in order to ensure the continuity of service and implementation of the obligations of a party under the Contract and to minimize any adverse consequences of Force Majeure.</p> <p>22.4. Force Majeure shall not apply to any obligation of the Owner to make payments to the Contractor</p>	<p>Request you to incorporate the following</p> <ul style="list-style-type: none"> • Request to add events beyond the control of either Party or both the Parties. • Right of EOT and price implication • Both the parties shall have termination rights to both the parties for prolonged suspension due to FM conditions for period more than 60 days continuous and / or 90 days cumulative. • In case of termination SI shall be entitled to be paid for work completed and work in progress 	Refer Addendum for Vol -3
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Vol.3	2783	Hewlett Packard Enterprise	Vol 3; CL.24	22	<p>24. Insurance</p> <p>24.1. The Goods supplied under this Contract shall be comprehensively insured by SI at his own cost, against any loss or damage, for the entire period of the contract. SI shall submit to the Authority, documentary evidence issued by the insurance company, indicating that such insurance has been taken.</p> <p>24.2. SI shall bear all the statutory levies like customs, insurance, freight, etc. applicable on the goods and also the charges like transportation charges, octroi, etc. that may be applicable till the goods are delivered at the respective sites of installation shall also be borne by SI.</p> <p>24.3. SI shall take out and maintain at its own cost, on terms and conditions approved by the Authority, insurance against the risks, and for the coverages, as specified below;</p> <p>a. At the Authority's request, shall provide evidence to the Authority showing that such insurance has been taken out and maintained and that the current premiums therefore have been paid.</p> <p>b. Employer's liability and workers' compensation insurance in respect of the Personnel of the Company, in accordance with the relevant provisions of the Applicable Law as well as, with respect to such Personnel, any such life, health, accident, travel or other insurance as may be appropriate</p>	SI shall undertake comprehensive insurance cover valid till scheduled completion period, in case of extension of time for reasons not attributable to SI, period of cover shall be extended by SI at the cost of GSCL.	Refer Addendum for Vol -3
Vol.3	2784	Hewlett Packard Enterprise	Vol 3; CL.25	22	<p>25. Transfer of Ownership</p> <p>25.1. SI must transfer all titles to the assets and goods procured for the purpose of the project to the Authority at the time of Acceptance of System. This includes all licenses, titles, source code, certificates, hardware, devices, equipment's etc. related to the system designed, developed, installed and maintained by SI. SI is expected to provide source code, transfer IPR and ownership right of only those solutions which would be customized by bidder for the use of Guwahati Smart City Limited. For any pre-existing work, SI and Guwahati Smart City Limited shall be held jointly responsible and its use in any other project by SI shall be decided on mutual consent.</p> <p>25.2. Forthwith upon expiry or earlier termination of the Contract and at any other time on demand by the Authority, SI shall deliver to the Authority all Documents provided by or originating from the Authority and all Documents produced by or from or for SI in the course of performing the Services, unless otherwise directed in writing by the Authority at no additional cost. SI shall not, without the prior written consent of the Authority store, copy, distribute or retain any such Documents</p>	IP rights cannot be transferred or assigned in manner to GSCL.	Refer Addendum for Vol -3

Vol.3	2785	Hewlett Packard Enterprise	Vol 3; CL28	24	<p>28. Liquidated Damages:</p> <p>28.1. If SI fails to supply, install or maintain any or all of the goods as per the contract, within the time period(s) specified in the RFP Vol II, the Authority without prejudice to its other rights and remedies under the Contract, deduct from the Contract price, as liquidated damages, a sum equivalent to 0.1 % per week or part thereof of contract value for a milestone/quarter.</p> <p>28.2. The deduction shall not in any case exceed 10 % of the contract value.</p> <p>28.3. The Authority may without prejudice to its right to effect recovery by any other method, deduct the amount of liquidated damages from any money belonging to SI in its hands (which includes the Authority's right to claim such amount against SI's Bank Guarantee) or which may become due to SI. Any such recovery or liquidated damages shall not in any way relieve SI from any of its obligations to complete the Work or from any other obligations and liabilities under the Contract.</p> <p>28.4. Delay not attributable to SI shall be considered for exclusion for the purpose of computing liquidated damages.</p>	<p>1. Request you to cap the overall LD for delay in completion at 5% of the Contract Value.</p> <p>2. Request you to add the following wordings "Levy of LD shall be sole and exclusive remedy available to GSCL."</p>	Tender conditions shall prevail
Vol.3	2786	Hewlett Packard Enterprise	Vol 3; CL29	24	<p>29. Limitation of Liability:</p> <p>Limitation of Bidder's Liability towards the Authority:</p> <p>29.1. Neither Party shall be liable to the other Party for any indirect or consequential loss or damage (including loss of revenue and profits) arising out of or relating to the Contract.</p> <p>29.2. Except in case of gross negligence or wilful misconduct on the part of SI or on the part of any person or company acting on behalf of SI in carrying out the Services, SI, with respect to damage caused by SI to Authority's property, shall not be liable to Authority: (i) for any indirect or consequential loss or damage; and (ii) for any direct loss or damage that exceeds (A) the total payments payable under the Contract to SI hereunder, or (B) the proceeds SI may be entitled to receive from any insurance maintained by SI to cover such a liability, whichever of (A) or (B) is higher.</p> <p>29.3. This limitation of liability shall not affect SI liability, if any, for damage to Third Parties caused by SI or any person or company acting on behalf of SI in carrying out the Services</p>	<ul style="list-style-type: none"> • Limitation of Liability shall be capped at 100% of Contract Value. • Request you to delete all the Carve Out/ Exclusions from Limitation of Liability • Either party under no legal theory shall have right to claim for consequential losses and damages 	Refer Addendum for Vol -3

Vol.1	2797	Interlace India Pvt. Ltd.	Vol 1	Page 34	<p>A. The Sole Bidder shall have an average annual turnover of 250 Crore over the last three (3) financial years.</p> <p>In case of Consortium:</p> <ul style="list-style-type: none"> o Lead Bidder should have minimum 60% of the Average Annual Turnover requirement o Each consortium member should have minimum 30% of the Average Annual Turnover requirement o All members together should meet 250 Crore Average Annual Turnover requirement 	<p>We request you to kindly amend the point as</p> <p>A. The Sole Bidder shall have an average annual turnover of 250 Crore over the last three (3) financial years.</p> <p>In case of Consortium:</p> <ul style="list-style-type: none"> o Lead Bidder should have minimum 85% of the Average Annual Turnover requirement o Each consortium member should have minimum 15% of the Average Annual Turnover requirement o All members together should meet 250 Crore Average Annual Turnover requirement 	Refer Addendum for Vol -1
Vol.1	2901	Masstrans Technologies Private Limited (Erstwhile Power Electronics)	Volume 1	Sr No. 2.29, 27	<p>Eligible Goods and Services, and OEM Criteria</p> <p>f) The proposed OEM should have installed base of at least 20% of the quoted product in terms of volume in a single project.</p> <p>h) The OEM for VMS proposed by the Bidder must be operational in minimum 2 City Surveillance projects in India with at least 1000 cameras in last 3 years as on date of submission of bid. Undertaking from OEM and successful completion/ installation report from client (State/ Central Government Department or Central/ State PSUs/ Smart City) needs to be submitted along with the bid documents.</p>	Instead of Indian, require Global player also to be allowed	Tender conditions shall prevail.
Vol.1	2943	CMS Computers Ltd.	volume-1	40	<p>B. Project Experience B1City Surveillance Projects</p> <p>The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on City surveillance with video analytics system of minimum value of INR 15 Crores during last seven years (as on Bid Submission date) per project.</p>	<p>1) As outdoor surveillance is similar to city surveillance , with silimar delivery challenges we request to allow out door surveillance experience</p> <p>2) Request to reduce minimum value for experience as 10 CR to maximise participation.</p> <p>3) Video analytics is a function of software & not ability to deliver project.Many bidders have relevant experiance & undertsanding .Hence Video analytics required to be removed as qualification criteria.</p> <p>We request to change project experiance criteria as below</p> <p>The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on outdoor CCTV surveillance systems of minimum value of 10 Cr during last seven years as on the Bid Submission date per project</p>	Refer Addendum for Vol -1

Vol.1	2944	CMS Computers Ltd.	volume-1	40	B.Project Experience B2 Integrated Traffic Management System	Variable message display(VMD) is a important medium of information dessimination to Road Traffic users & vehicles. Hence we request to allow VMD experience as part qualification criteria. Kindly change requirement as below to maximise participation The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 5 Crores per project with the following components during last seven years (as on Bid Submission date) Components: • Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System AND • RLVD System / • ANPR System / • Variable Messaging Sign Boards	Refer Addendum for Vol -1
Vol.1	2945	CMS Computers Ltd.	volume-1	40	The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project with the following components during last seven years (as on Bid Submission date) Components: • Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System AND • RLVD System • ANPR System	Variable message display(VMD) is a important medium of information dessimination to Road Traffic users & vehicles. Hence we request to allow VMD experience as part qualification criteria. Kindly change requirement as below to maximise participation The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 5 Crores per project with the following components during last seven years (as on Bid Submission date) Components: • Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System AND • RLVD System / • ANPR System / • Variable Messaging Sign Boards	Refer Addendum for Vol -1
Vol.1	2958	i2V Systems Pvt. Ltd	Volume1.pdf	Page:28	Eligible Goods and Services, and OEM Criteria: 2.29. The proposed OEM should have installed base of at least 20% of the quoted product in terms of volume in a single project.	We hereby request you to Kindly please Delete this Clause, as it is Specific to Single OEM & that technical Specification is being Favoured to Single OEM.	Refer Addendum for Vol -1
Vol.1	2959	i2V Systems Pvt. Ltd	Volume1.pdf	Page:28	h) The OEM for VMS proposed by the Bidder must be operational in minimum 2 City Surveillance projects in India with at least 1000 cameras in last 3 years as on date of submission of bid. Undertaking from OEM and successful completion/ installation report from client (State/ Central Government Department or Central/ State PSUs/ Smart City) needs to be submitted along with the bid documents.	We hereby request you to allow us to Bid with Corrigendum to this Clause as Follows: " The OEM for VMS proposed by the Bidder must be operational in minimum 2 City Surveillance projects in India in last 7 years as on date of submission of bid. Undertaking from OEM and successful completion/ installation report from client (State/ Central Government Department or Central/ State PSUs/ Smart City) needs to be submitted along with the bid documents".	Refer Addendum for Vol -1

Vol.1	2960	i2V Systems Pvt. Ltd	Volume1.pdf	Page:28	<p>i) The ICCC Solution proposed by the Bidder must be operational in minimum 2 City wide projects in India with at least 1000 cameras/sensors in last 3 years. Undertaking from OEM and successful completion/ installation report from client (State / Central Government Department or Central /State PSUs/ Smart City) needs to be submitted along with the bid documents.</p>	<p>We hereby request you to allow us to Bid with Corrigendum to this Clause as Follows: "The ICCC Solution proposed by the Bidder must be operational in minimum 2 City wide projects/Defense Projects/ PSU's/Power Plant / Oil & Gas Plants in India in India in last 3 years. Undertaking from OEM and successful completion/ installation report from client (State / Central Government Department or Central /State PSUs/ Smart City) needs to be submitted along with the bid documents" We Understand that these Clauses are used to have a Quality OEM onboard, however a Competent OEM can also be Evaluated on the Basis of the Quality Certifications like ISO 9001:2015, ISO 27001:2013 & CMMI Level 3.</p>	Refer Addendum for Vol -1
Vol.1	2961	i2V Systems Pvt. Ltd	Volume1.pdf	Page:42	<p>3.6.1 Technical Bid Criteria & Evaluation: Integrated Command and Control Centre Solution (OEM Criteria): No. of projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the ICCC Solutions proposed by the Bidder is fully operational and integrated with multiple applications like Surveillance, ITMS etc. in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis. (Copy of Completion Certificates from Client mentioning name of CCC Software.)</p>	<p>We hereby request you to allow us to Bid with Corrigendum to this Clause as Follows: " Technical Bid Criteria & Evaluation: Integrated Command and Control Centre Solution (OEM Criteria): No. of projects for any State/ Central Government Department or Central/ State PSUs/ Smart City/Defense Projects in India where the ICCC Solutions proposed by the Bidder is fully operational and integrated with multiple applications like Surveillance/ITMS/Perimeter Intsuion Detction Systems(PIDS)/RADAR's etc. in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis. (Copy of Completion Certificates from Client mentioning name of CCC Software.)</p>	Refer Addendum for Vol -1
Vol.1	2962	i2V Systems Pvt. Ltd	Volume1.pdf	Page:42	<p>VMS (OEM Criteria): No. of Surveillance projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the VMS proposed by the Bidder is fully operational and integrated with Central Control Centre/ Room and consisting of at least 1000 IP CCTV Cameras in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis.(Copy of Completion Certificates from Client mentioning name of VMS Software.)</p>	<p>We hereby request you to allow us to Bid with Corrigendum to this Clause as Follows: "MS (OEM Criteria): No. of Surveillance projects for any State/ Central Government Department or Central/ State PSUs/ Smart City/Defense Projects in India where the VMS proposed by the Bidder is fully operational and integrated with Central Control Centre/ Room in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis.(Copy of Completion Certificates from Client mentioning name of VMS Software.)"</p>	Refer Addendum for Vol -1

Vol.1	3007	TNPL	VOL-1, Page 57, Table 1(Pre Qualification Requirements), SI No. 2 'A'		A. The Sole Bidder shall have an average annual turnover of INR 250 Crore over the last three (3) financial years. In case of consortium: o Lead Bidder should have minimum 60% of the Average Annual Turnover requirement o Each consortium member should have minimum 30% of the Average Annual Turnover requirement o All members together should meet INR 250 Crore Average Annual Turnover requirement	Request please add the following In case, consortium member is MSME of same field then average annual turnover relaxation INR 20 Crores for each MSME (not lead bidder) for last 3 years o All members together should meet INR 200 Crore Average Annual Turnover requirement MSMEs are the backbone of our country's growth strategy and in order to encourage and create a level playing field for MSME, the tendered is requested to allow eligible MSME to participate in the bid as consortium partner. The turnover criteria for MSME should be set such that they become eligible for participating in the bid. Average Annual turnover of around 20 crores indian rupees.	Refer Addendum for Vol -1						
Vol.1	3008	TNPL	Vol-1, Page 57, Table 1(Pre Qualification Requirements), SI No. 2 'B'		B. Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 200 Crore from the "specific business areas" mentioned below over the last three financial years with lead bidder should have minimum 60% average annual turnover requirement. o ICT Infrastructure o IT system integration services	B. Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 100 Crore from the "specific business areas" mentioned below over the last three financial years with lead bidder should have minimum 60% average annual turnover requirement. o ICT Infrastructure o IT system integration services Reference CVC guidelines on procurement, the 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.	Refer Addendum for Vol -1						
Vol.1	3009	TNPL	Vol-1,Page 40, Clause 3.6.1- Technical Bid Criteria and Evaluation. SI No. B2		Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project with the following components during last seven years (as on Bid Submission date) Components: • Controlling Traffic Signals with centralized software system/ Adaptive Traffic Control System AND • RLVD System / ANPR System Marks shall be allotted as below: Number of Projects Marks <table style="margin-left: 20px;"> <tr> <td>>= 3 Projects</td> <td>10</td> </tr> <tr> <td>2 Projects</td> <td>8</td> </tr> <tr> <td>1 Project</td> <td>6</td> </tr> </table>	>= 3 Projects	10	2 Projects	8	1 Project	6	The criteria should be made applicable to OEMs as it has been done for ICCC & VMS Request consider this requirement as only a handful System Integrators are creating eligibility for Smart City Projects and therefore restrict the entry of competent system integrators. Therefore the experience of OEM should be considered.	Refer Addendum for Vol -1
>= 3 Projects	10												
2 Projects	8												
1 Project	6												
Vol.1	3010	TNPL	Vol-1,Page 39, Clause 3.6.1- Technical Bid Criteria and Evaluation.			Request Please include Proven experience in designing and implementation of LAN and WAN networks using wired and wireless technologies This experience will be critical for success of any smart city project, especially given the challenging environment/terrain in Guwahati	Refer Addendum for Vol -1						

Vol.1	3053	Pace Power Systems Pvt. Ltd. (2nd set of query)	Volume- 01 Section 3.5 Sr. No. 3	35	The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India.	The Sole Bidder or any consortium member (in case of consortium) should have successfully executed (Supply or completed) at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India or abroad	Refer Addendum for Vol -1
Vol.1	3054	Pace Power Systems Pvt. Ltd. (2nd set of query)	Volume -01 Section 3.5 point 2	33	Clause 3.5 Pre qualification criteria: Consortium members point 2: An Indian Firm	Since many Good global technology providers wants to be consortium members also which will add to the strength of the technical solution and implementation capacities and so request to allow Foreign companies to be consortium members	Refer Addendum for Vol -1
Vol.1	3055	Pace Power Systems Pvt. Ltd. (2nd set of query)	Volume -01 Section 3.5 Point 4:	33	Clause 3.5 Pre qualification criteria: Point 4: In operations in India for a period of at least 3 years as on date of bid submission	To be modified as: Since this clause is limiting any global players who has good solution and willing to come to INdia now and request to modify as follows: In operation in relevant field globally anywhere for a period of at least 3 years as on date of Bid submission	Refer Addendum for Vol -1
Vol.1	3056	Pace Power Systems Pvt. Ltd. (2nd set of query)	Valume-01 Section 3.6.1 Sr. No. B4.2	42	No. of projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the ICCC Solutions proposed by the Bidder is fully operational and integrated with multiple applications like Surveillance, ITMS etc. in last 3 years as on date of submission of bid.	No. of projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India or in any Global city where the ICCC Solutions proposed by the Bidder is fully operational and integrated with multiple applications like Surveillance, ITMS etc. in last 3 years as on date of submission of bid.	Refer Addendum for Vol -1
Vol.1	3058	Innefu Labs Private Limited	Vol 1 /1.3. Bid Data Sheet /12. EMD VX clause 2.8 & Page 16 of 204	Page 7 of 104 Vs page 16 of 104	Bid Security/Earnest Money Deposit (EMD) INR 2,15,00,000/- (INR. Two Crore, Fifteen Lakhs only) Vs Clause number 2.8 EMD where its mentioned that 2.8. Earnest Money Deposit (EMD) The bid document must be accompanied by the Earnest Money Deposit of Rs. 2,59,00,000/- (Rupees Two Crore, Fifty-Nine Lakhs only)	Authorities are requested to clarify the amount of EMD if its INR 2.15 CR or INR 2.59 CR	Refer Addendum for Vol -1
Vol.1	3059	Innefu Labs Private Limited	Vol-1/2.6/2.6.2	page 15 of 104	Responses to Pre-Bid Queries and Issue of Corrigendum. No Prebid meeting shall be held. Bidders to submit all queries properly described with required references to GSCL which will be replied appropriately on e-procurement portal.	Request for a formal pre-bid meeting as there are many clarifications and queries that requires a face to face interaction between the bidders / OEMS and tendering authorities	Refer Addendum for Vol -1

Vol.1	3138	Integrated Systems & Services	Vol 1 3.5. Pre- Qualification Criteria SI No 1	33	<p>Consortium members:</p> <ul style="list-style-type: none"> o Maximum three (3) companies are allowed in a consortium including Lead Bidder. o An Indian firm. o All members should be registered under the Companies Act 1956/ 2013 o In operation in India for a period of at least 3 years as on date of bid submission. 	An Indian firm, as mentioned in the eligibility criteria, can also be a proprietary firm. But a proprietary firm is not registered under Companies Act 1956/ 2013. Besides, as per clause 2.28, bidders should earmark a minimum of 20% of the total contract for procuring goods and services from MSMEs. In this connection it may be mentioned that Govt of India is also putting stress on promotion of the MSMEs. As many MSMEs are proprietary firms, in order to enable them to participate as consortium partner in the bid and execute part of the project, requirement for registration of the firm under Companies Act 1956/2013 should be deleted	Refer Addendum for Vol -1
Vol.1	3139	Integrated Systems & Services	Vol 1 3.5. Pre- Qualification Criteria SI No 2	34	<p>A. The Sole Bidder shall have an average annual turnover of 250 Crore over the last three (3) financial years.</p> <ul style="list-style-type: none"> o In case of consortium: o Lead Bidder should have minimum 60% of the Average Annual Turnover requirement o Each consortium member should have minimum 30% of the Average Annual Turnover requirement o All members together should meet 250 Crore Average Annual Turnover requirement <p>B. Sole Bidder/all members together (in case of consortium) shall have minimum average annual turnover of INR 200 Crore from the "specific business areas" mentioned below over the last three financial years with lead bidder should have minimum 60% average annual turnover requirement.</p> <ul style="list-style-type: none"> o ICT Infrastructure o IT system integration services 	Govt of India has placed stress on allowing MSMEs to participate in Govt bids. In this bid also, stress has been given on execution of part of the project by MSME. In order to allow MSME to participate in the bid as consortium partner, the required turnover for consortium bidder should be reduced to 5 crores. Besides, as the project involves 5 years of maintenance and operation, the turnover from ITFMS should also be considered while calculating the turnover.	Refer Addendum for Vol -1
Vol.1	3140	Integrated Systems & Services	Vol 1 3.5. Pre- Qualification Criteria SI No 3	35	The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India.	The "Sole Bidder or any consortium member" should be replaced by "Sole Bidder or any consortium member or OEM" as the quality of the solution offered will depend on the product and software of the OEM offered	Refer Addendum for Vol -1
Vol.1	3141	Integrated Systems & Services	Vol 1 3.5. Pre- Qualification Criteria SI No 9	36	The bidder (or any Consortium member) should have experience of setting up and Operation & Maintenance of Integrated command & control room/ emergency response centre /Security and Surveillance control room/ Surveillance control room built for Central / State Government Department or Central/State Public Sector Units (PSUs)/ Smart City and other Government establishment in India during last Seven (7) years as on Bid Submission date.	The "Sole Bidder or any consortium member" should be replaced by "Sole Bidder or any consortium member or OEM" as the quality of the solution offered will depend on the product and software of the OEM offered	Refer Addendum for Vol -1

Vol.1	3178	Hewlett Packard Enterprise	Vol-I: 3.5. Pre-Qualification Criteria: #1	33	# Eligibility Criteria: The Sole Bidder or Lead Bidder (in case of consortium) should be: In operation in India for a period of at least 5 years as on date of bid submission.	We request you to kindly amend the clause as "In operation in India for a period of at least 10 years as on date of bid submission."	Refer Addendum for Vol -1
Vol.1	3179	Hewlett Packard Enterprise	Vol-I: 3.5. Pre-Qualification Criteria: #3	35	The Sole Bidder or any consortium member (in case of consortium) should have successfully executed at least one (1) project in last 3 years with minimum 1000 numbers of IP CCTV Cameras for outdoor surveillance with centralised Video Management System and at least one (1) Integrated Traffic Management System project with Traffic Control System / Automatic Number Plate Recognition (ANPR) / Red Light Violation Detection (RLVD) / Speed Violation Detection (SVD) System in any City in India.	We request to remove this or make applicable only for OEM as this is very specific to Traffic and not an SI specialization in Smart City. This will help for larger participation	Refer Addendum for Vol -1
Vol.1	3180	Hewlett Packard Enterprise	Vol-I: 3.5. Pre-Qualification Criteria: #4	35	The Sole Bidder or the Lead Bidder should have positive net worth as per the audited consolidated financial statements for last 3 financial years	Financial positive net worth should be minimum INR 100 Crores as just positive net worth does not provide any credentials of the bidder to execute such a large project. It is also suggested that the bidder must have profitable balance sheet for the last 3 years.	Tender conditions shall prevail
Vol.1	3181	Hewlett Packard Enterprise	Vol-I: 3.5. Pre-Qualification Criteria: #5	35	Sole Bidder/ Lead Bidder should establish project office within 30 days of issuance of LOI in Guwahati if not established earlier	Request 60 days for setting up of project office	Sole Bidder/ Lead Bidder should establish project office within 30 days of signing of Contract Agreement in Guwahati if not established earlier.
Vol.1	3182	Hewlett Packard Enterprise	Vol-I: 3.5. Pre-Qualification Criteria: #6	35	The Sole Bidder or the Lead bidder of consortium, in case of a Consortium, should possess ISO 9001 certification	We request you to kindly modify the clause as... "The Sole Bidder or Lead Bidder shall have following Certifications valid at the time of submission of bid: - ISO 9001:2015 or equivalent. - ISO 20000:2011 for IT Service Management or equivalent certification - ISO 27001:2013 certification. 2. The Sole/ Lead Bidder/ any of the consortium member should have valid CMMI level 3 or higher Certificate at the time of submission of bid."	Tender conditions shall prevail
Vol.1	3183	Hewlett Packard Enterprise	Vol-I: 3.5. Pre-Qualification Criteria: #7	35	The sole bidder OR the Lead bidder and each of the member of the Consortium should not be blacklisted by Union Territory/ Central / State Government Department or Central/State Public Sector Units (PSUs) or Smart City in India as on the bid submission date	We request you to kindly modify the clause as... "The sole bidder OR the Lead bidder or their parent / sister / brother organizations and each of the member of the Consortium should not be blacklisted by Union Territory/ Central / State Government Department or Central/State Public Sector Units (PSUs) or Smart City in India as on the bid submission date."	Tender conditions shall prevail
Vol.1	3184	Hewlett Packard Enterprise	Vol-I: 3.6.1 Technical Bid Criteria & Evaluation: S. No.- B1	40	The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on City surveillance with video analytics system of minimum value of INR 15 Crores during last seven years (as on Bid Submission date) per project....	We request you to kindly modify the clause as... "The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on City surveillance / Smart City with video analytics system of minimum value of INR 15 Crores during last seven years (as on Bid Submission date) per project. "	Refer Addendum for Vol -1

Vol.1	3185	Hewlett Packard Enterprise	Vol-I: 3.6.1 Technical Bid Criteria & Evaluation: S. No.- B2	40	The Sole Bidder or any consortium member (in case of consortium) should have been awarded and successfully designed, executed & commissioned project(s) on Integrated Traffic Management System of minimum value of INR 7 Crores per project with the following components during last seven years (as on Bid Submission date)...	We request to make this clause as EM criteria for Traffic management and control systems	Refer Addendum for Vol -1
Vol.1	3186	Hewlett Packard Enterprise	Vol-I: 3.6.1 Technical Bid Criteria & Evaluation: S. No.- B4.1	41	The Sole Bidder or any consortium member (in case of consortium) have been awarded and successfully designed, executed & commissioned and Operation & Maintenance of Integrated command & control room/ emergency response centre /Security and Surveillance control room/ Surveillance control room built for any State/ Central Government Department or Central/ State PSUs/ Smart City in India of minimum value of INR 5 Crores per projects during last Seven (7) years (as on Bid Submission date)...	We request you to kindly modify the clause as... "The Sole Bidder or any consortium member (in case of consortium) have been awarded and successfully designed, executed & commissioned and Operation & Maintenance of Integrated command & control room/ emergency response centre /Security and Surveillance control room/ Surveillance control room/ Data Center built for any State/ Central Government Department or Central/ State PSUs/ Smart City in India of minimum value of INR 5 Crores per projects during last Seven (7) years (as on Bid Submission date)..."	Tender conditions shall prevail
Vol.1	3187	Hewlett Packard Enterprise	Vol-I: 3.6.1 Technical Bid Criteria & Evaluation: S. No.- B4.2	42	No. of projects for any State/ Central Government Department or Central/ State PSUs/ Smart City in India where the ICCS Solutions proposed by the Bidder is fully operational and integrated with multiple applications like Surveillance, ITMS etc. in last 3 years as on date of submission of bid. Marking will be done on Pro-rata basis.	We request to change this criteria as detailed below: The Sole Bidder or (any member in case of consortium/JV) shall have successfully executed at least 1 Smart City comprising of Integration with Command and Control citizen services of multiple cities from any 3 categories mentioned below in last 5 years. The cumulative value of project should not be less than 15 Cr. 1. Solid waste management system 2. Public bike sharing applicatrion 3. Parking Management System 4. Fire brigade application 5. State level citizen applications 6. Mobile App/Desktop Portal for Citizen Services 7. Public transport system 8. eMunicipality/ eGovernance services 9. IT/IT Integration Services Number of projects implemented. Marks will be allotted as follows: 1 1 Cities = 02 marks 2 Cities = 03 Marks 3 Cities = 04 Marks ≥4 Cities = 05 Marks	Refer Addendum for Vol -1

Vol.1	3188	Mercantile Agents	Volume I Section 3.5 - Pre-Qualification Criteria Point 2	34	<p>A. The Sole Bidder shall have an average annual turnover of 250 Crore over the last three (3) financial years.</p> <p><u>In case of consortium:</u></p> <ul style="list-style-type: none"> o Lead Bidder should have minimum 60% of the Average Annual Turnover requirement o Each consortium member should have minimum 30% of the Average Annual Turnover requirement o All members together should meet 250 Crore Average Annual Turnover requirement 	<p>Request for alteration in TURNOVER requirement of CONSORTIUM Member:</p> <p>Because of the LOCATIONAL disadvantage it is difficult for us to meet the TURNOVER requirement of the CONSORTIUM Member in PAGE 34 clause 2 of Point 3.5 (PQC).</p> <p>Because of this clause, small & medium enterprise (MSME) vendors like us despite having competency cannot align with larger SYSTEM INTEGRATORS which restricts our growth.</p> <p>We request you to kindly remove all such requirements like turnover, Limited Company etc for the CONSORTIUM partner. This will also ensure prudent and timely service through involvement of competent LOCAL Vendors.</p>	Refer Addendum for Vol -1
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Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Se gregation	Remarks	Justification
Vol.2	78	Envoys Electronics Pvt. Ltd.	Volume 2: Scope of Work & Technical Specifications, 5.4.1.1 Indicative Solutions Architecture - Adaptive Traffic Signal Control (ATSC) System, Figure 3 : Indicative Solutions Architecture - ATSC	Page 207 of 400	The sections below highlight the key elements proposed in the smart solution and overall the process flow and high-level functionality of each hardware and software elements of the solution. The high-level schematic diagram of the proposed solution architecture for the ATSC project is presented below. - Figure 3: Indicative ATSC Solution Architecture with Master Controller & Slave Controller	Though Master/Slave Traffic Controllers have been shown in ATSC Solution Architecture(Figure 3) and "Composite Signal Control Strategy(CoSiCoSt) Application, already proven in Indian environment" is asked for under Functional requirements of ATSC(Clause 5.4.1.2/J, pg 208), However Controller & ATSC Software specification /functional requirement includes many features which are not part of proven Composite Signal Control Strategy(CoSiCoSt) application and favours some of the imported/overseas technology which has been proved "unfit" time and again in Indian environment with no lane discipline. CDAC under Ministry of Electronics & Information Technology(MeitY) of Govt of India has already developed a patented ATCS Controller(WiTraC) and ATCS Control Room Application(CoSiCoSt) which meets heterogenous Traffic requirements of Indian sub-continent and this CDAC technology has been handed over to more than 10 Technology(ToT) Partners. Till date, over 1000 installations have been done with this technology throughout India. Bhubaneswar was the first Smart City to adopt CDAC technology wayback in 2016-17 for their 100% Solar based ATCS requirements. This was followed up by Patna, Jammu, Surat, Srinagar, Ahmedabad Municipal Corporation/Smart City. Considering this and Govt policy of promoting Make In India/Local is Vocal, we request you not to favour & promote imported/overseas technology by including few unnecessary features	Picture is only stated as symbolic representation and not related to any solution proposed in the RFP	ITMS		
Vol.2	79	Envoys Electronics Pvt. Ltd.	Volume 2: Scope of Work & Technical Specifications, 5.4.1.2 Functional Requirements of Adaptive Traffic Signal Control (ATSC), Point Q	Page 209 of 400	Q. ATSC shall use UG405 or NTCIP or any other standard communication protocol. It should also provide the functionality of integration with on-ground hardware of any thirdparty traffic controller that is UG405 or NTCIP or any other standard communication protocol compliant.	We presume that "any other standard communication protocol" includes Composite Signal Control Strategy application protocol, as mentioned under clause 5.4.1.2/J , page 208. Please confirm	Clause to be read as ATSC shall use UG405 or NTCIP or OCIT or any standard communication protocol. It should seamlessly integration with any third-party traffic hardware that is UG405 or NTCIP or OCIT or any other standard communication protocol compliant.	ITMS		
Vol.2	80	Envoys Electronics Pvt. Ltd.	Volume 2: Scope of Work & Technical Specifications, 5.4.1.3 ATSC Software Application, Point 9	Page 211 of 400	Offset correction shall be carried out to minimize number of stops and delays along the corridor for the priority route. Offset deviation measured using distance and speed between successive intersections shall be corrected within 5 cycles at a tolerance of +/- 5 seconds maximum.	Offset correction frequency and its tolerance is not a STANDARD and varies from ATSC application to application, like Composite Signal Control Strategy Application. Hence these details of 5 cycles & +/-5 seconds, specific to a particular application/OEM, needs to be removed.	Offset correction shall be carried out to minimize number of stops and delays along the corridor for the priority route. Offset deviation is calculated using distance and speed between successive intersections	ITMS		

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Vol.2	81	Envoy Electronics Pvt. Ltd.	Volume 2: Scope of Work & Technical Specifications, 5.4.1.3 ATSC Software Application, Point 36	Page 213 of 400	Shall generate alerts to the operator that trigger on customizable conditions in the network (starting with simple drops in flow, up to total queue lengths along emission sensitive roads surpassing a definable threshold)	Composite Signal Control Strategy application, already proven in Indian environment(Ref: Clause 5.4.1.2/J, Pg 208), uses stopline vehicle detection and works on Vehicle GAP TIME for its optimisation algorithm. Hence drop in flow/queue length is not a threshold requirement for Composite Signal Control Strategy application hence needs to be removed.	Tender conditions shall prevail	ITMS		
Vol.2	82	Envoy Electronics Pvt. Ltd.	Volume 2: Scope of Work & Technical Specifications, 5.4.1.3 ATSC Software Application, Point 38	Page 213 of 400	Shall provide calculated traffic flows and identify, queues and delays to Urban Control and Adaptive Signal Control Systems, allowing for proactive Traffic Management and Control	Composite Signal Control Strategy application, already proven in Indian environment(Ref: Clause 5.4.1.2/J, Pg 208), uses stopline vehicle detection and works on Vehicle GAP TIME for its optimisation algorithm. Hence Traffic Flows, Queues & delays etc is not a requirement for Composite Signal Control Strategy application hence needs to be removed.	Tender conditions shall prevail	ITMS		
Vol.2	83	Envoy Electronics Pvt. Ltd.	Volume 2: Scope of Work & Technical Specifications, 5.4.1.3 ATSC Software Application, Point 42	Page 213 of 400	The ATSC system shall be able to provide Ambulance /VIP / Fire brigade vehicles the priority in crossing the junction.	As per Composite Signal Control Strategy application, already proven in Indian environment(Ref: Clause 5.4.1.2/J, Pg 208), priority to Ambulance/VIP/Fire Brigade vehicles will be given through Hurry Call options, from Police Panel or Control Room	Tender conditions shall prevail	ITMS		
Vol.2	84	Envoy Electronics Pvt. Ltd.	Volume 2: Scope of Work & Technical Specifications, 5.4.1.3 ATSC Software Application, Point 46	Page 214 of 400	For emergency management, ATSC should be able to accept commands from workstations deployed in select areas of route-preemption or emergency route management	As per Composite Signal Control Strategy application, already proven in Indian environment(Ref: Clause 5.4.1.2/J, Pg 208), traffic monitoring and management happens through the assigned workstations deployed at Control Room only. Deployment of workstations in select area needs to be removed	The ATSC system should be capable of route pre-emption capability without any additional hardware. It shall be capable of being applied to a single junction or to a series of junctions in a corridor or sub area to allow green wave Pre-emption or special arterial traffic control strategies that might be required. Route Pre-emption shall be capable of being requested from any of the operator's workstation at ICCB by authorized operators	ITMS		
Vol.2	85	Envoy Electronics Pvt. Ltd.	Volume 2: Scope of Work & Technical Specifications, 5.4.1.3 ATSC Software Application, Point 47	Page 214 of 400	It shall also be possible to integrate the RFID readerbased Transit Signal Priority System in the ATSC system in near future for identifying the buses & other vehicles of significance near the junction to providing priorities	Composite Signal Control Strategy application, already proven in Indian environment(Ref: Clause 5.4.1.2/J, Pg 208), is developed by CDAC and handed over to more than 10 technology partners, will require RFID interface to be developed for futuristic requirements	Tender conditions shall prevail	ITMS		

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Vol.2	86	Envoy Electronics Pvt. Ltd.	Volume 2: Scope of Work & Technical Specifications, 5.4.1.3 ATSC Software Application, Point 48	Page 214 of 400	The system shall be able to determine the priority order of each vehicle when there are multiple priority vehicles simultaneously present at a given junction, and accordingly determine which get the priority first.	As per Composite Signal Control Strategy application, already proven in Indian environment(Ref: Clause 5.4.1.2/J, Pg 208), Priority of multiple vehicles will be on first-come-first-serve basis and the Priority will be depending on the type of vehicle (eg. Ambulance or BRTS Bus). Compensation shall be through multiple cycles.	Tender conditions shall prevail	ITMS		
Vol.2	87	Envoy Electronics Pvt. Ltd.	Volume 2: Scope of Work & Technical Specifications, 5.4.1.3 ATSC Software Application, Point 50	Page 215 of 400	The system shall also compensate the other stages for the lost green after the passage of the priority vehicle in order to minimize congestion	As per Composite Signal Control Strategy application, already proven in Indian environment(Ref: Clause 5.4.1.2/J, Pg 208), Compensation shall be through multiple cycles. Requirement for Compensation of other stages needs to be removed	Tender conditions shall prevail	ITMS		
Vol.2	88	Envoy Electronics Pvt. Ltd.	Volume 2: Scope of Work & Technical Specifications, 5.4.1.3 ATSC Software Application, Point 51	Page 215 of 400	ATSC system shall be capable to integrate with a smart public transport priority respecting the delays for all road users. Emergency Vehicle Priority Emergency Vehicle Priority Provision to make way for emergency vehicles like fire, police and ambulances during emergencies.	Shall need details of Public Transport Priority System and its API for integration with Composite Signal Control Strategy application.	Tender conditions shall prevail	ITMS		
Vol.2	89	Envoy Electronics Pvt. Ltd.	Volume 2: Scope of Work & Technical Specifications, 5.4.1.4 Traffic Signal Controller, Technical Specifications of Traffic Controller, Point 5(d)	Page 221 of 400	32bit processor with 2 MB or more flash as nonvolatile storage, 256 KB or more as RAM, with a provision of adding minimum 32 GB through an external SD Card/USB.	All these requirements are specific to a particular Make/Model/deliverables of a Manufacturer and hence needs to be changed to more generic requirement of proven technology(Composite Signal Control Strategy) in Indian environment - 512KB flash memory and 128KB RAM. 32GB through an external SD Card/USB can be made optional as it doesn't serve any purpose for Traffic Controller operation	Tender conditions shall prevail	ITMS		
Vol.2	90	Envoy Electronics Pvt. Ltd.	Volume 2: Scope of Work & Technical Specifications, 5.4.1.4 Traffic Signal Controller, Technical Specifications of Traffic Controller, Point 6(g)	Page 221 of 400	Controller clock frequency of min of 100MHz.	Proven technology(Composite Signal Control Strategy) in Indian environment uses 40MHz as its clock frequency hence this vendor specific requirement of 100MHz clock frequency needs to be changed to 40MHz or better	Tender conditions shall prevail	ITMS		

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Vol.2	91	Envoys Electronics Pvt. Ltd.	Volume 2: Scope of Work & Technical Specifications, 5.4.1.4 Traffic Signal Controller, Technical Specifications of Traffic Controller, Point 10	Page 222 of 400	The Traffic Signal Controller equipment should be 64-bit micro controller solid state traffic signal lamp switching module with the ability to program any combination of traffic signal stages, phases, and junction groups with conflict monitoring facility.	Contradicts with point 2/b & 2/d on page 221 where it mentions Traffic Controller equipment to be 32 bit micro- controller. 32 bit micro-controller based TrafficControllers have been proven in Indian environment along with Copposite Signal Control Strategy Application	The Traffic Signal Controller equipment should be 32/64-bit micro controller solid state traffic signal lamp switching module with the ability to program any combination of traffic signal stages, phases, and junction groups with conflict monitoring facility.	ITMS		
Vol.2	92	Envoys Electronics Pvt. Ltd.	Volume 2: Scope of Work & Technical Specifications, 5.4.1.4 Traffic Signal Controller, Technical Specifications of Traffic Controller, Point 15	Page 222 of 400	Standards compliance: EN 50556/AS/NZS ISO 9001:1994 for design & servicing. AND EN 12675/IEC 60068 for functional safety, EN 55024:2010 & AS/NZS 60950/BS EN 61000-3-3 or equivalent for voltage fluctuations, or equivalent	Composite Signal Control Strategy Application based Traffic Controllers, proven in Indian environment have been certified for IEC-60068 by ERTL. Other standard requirements are specific to a particular vendor and shall restrict the Indian OEM participation thereby the Make India & Local is Vocal initiative of Govt of India hence needs to be removed	Standards compliance: EN 50556 or equivalent ISO 9001:1994 for design & servicing. EN 55024:2010 60950 61000-3-3 or equivalent for voltage fluctuations, or equivalent Safety Integrity Level SIL3 with Test Report IEC 60068 for environmental protection EN 12675for functional safety,	ITMS		Removed specific reference to Australia and Newzeland
Vol.2	93	Envoys Electronics Pvt. Ltd.	Volume 2: Scope of Work & Technical Specifications, 5.4.1.4 Traffic Signal Controller, Technical Specifications of Traffic Controller, Point 16	Page 222 of 400	Number of signal groups: minimum 24 or as per site requirement	Minimum group criteria to be changed to 10 as all big Junctions in metro cities of India are working successfully with Controllers having capability of 64 Signal Head Outputs and configuration option from 32 to 48 Signal Head Outputs, as per site requirements. Line based Traffic Controllers are more flexible as they provide option to configure any line to Vehucular or Pedestrain output, without any wastage	Tender conditions shall prevail	ITMS		
Vol.2	94	Envoys Electronics Pvt. Ltd.	Volume 2: Scope of Work & Technical Specifications, 5.4.1.4 Traffic Signal Controller, Technical Specifications of Traffic Controller, Point 17	Page 222 of 400	Number of signal head outputs: minimum 72 or as required	To be changed to: Signal Head Output capacity - 64 with option to configure 32 to 48 Signal Head Outputs, as per site requirements	Number of signal head outputs: minimum 36 or higher as per site requirement	ITMS		This is suggested to optimize the hardware requirement / power requirement and cost per junction as most of the junction are 3 armed and max is 5 armed

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Vol.2	95	Envoy Electronics Pvt. Ltd.	Volume 2: Scope of Work & Technical Specifications, 5.4.1.4 Traffic Signal Controller, Technical Specifications of Traffic Controller, Point 27	Page 223 of 400	Temperature range: 0 – 70 deg. C	Controllers for proven technology(Composite Signal Control Strategy) in Indian environment have Operating temperature range of 0 to 55° C and is adequate for Guwahati weather conditions hence temperature range needs to be changed to 0 to 55° C	27. Temperature range: 0 – 60 deg. C	ITMS		
Vol.2	96	Envoy Electronics Pvt. Ltd.	Volume 2: Scope of Work & Technical Specifications, 5.4.1.6 Traffic Light Aspects, LED aspects, Point 11	Page 224 of 400	Power supply shall be preferably 230 Vac +/- 10% and frequency 50 +/- 5Hz	Under Clause 5.4.1.6/4, Operating voltage is mentioned as 12VDC/24VDC or 230VAC, 50Hz. Thus bidder has the option to use AC or DC Lamps as per his Controller design. Composite Signal Control Strategy application based Controllers, proven in Indian environment, uses 24VDC Lamps Hence this option of 12VDC/24VDC Lamp input needs to be retained	Aspect operating voltage shall be 230 Vac +/- 10% and frequency 50 +/- 5Hz or 40 V AC OR 12 VDC / 24 V DC	ITMS		
Vol.2	97	Envoy Electronics Pvt. Ltd.	Volume 2: Scope of Work & Technical Specifications, 5.4.1.6 Traffic Light Aspects, Point 9	Page 224 of 400	Red, Green – Pedestrian (300 mm diameter):	Kindly confirm which one is to be considered out of these two descriptions for pedestrian Aspect	Pedestrian-Red Stop man(300 mm diameter) and Green Walk Man (300 mm diameter)	ITMS		
Vol.2	98	Envoy Electronics Pvt. Ltd.	Volume 2: Scope of Work & Technical Specifications, 5.4.1.6 Traffic Light Aspects, Point 13	Page 224 of 400	Fuse and Transients shall be available	Advanced LED Drivers now a days has got built in short circuit and overload protection where fuse is not required. Request you to kindly remove fuse requirement.	Clause Deleted Instead, please read as Aspect shall have MTBF >60000 Hrs and MTTR 20-30 Mins	ITMS		
Vol.2	99	Envoy Electronics Pvt. Ltd.	Volume 2: Scope of Work & Technical Specifications, 5.4.1.6 Traffic Light Aspects, Point 15	Page 224 of 400	Total Harmonic Distortion:<20%	Total Harmonic Distortion(THD) is a phenomenon applicable to AC input voltages only. Since Lamp input has been specified as 230VA, 50 Hz OR 12VDC/24VDC under Clause 5.4.1.6/4, It will not be applicable for LED Aspects option with DC(12/24V) inputs	Tender conditions shall prevail	ITMS		

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Vol.2	100	Envoys Electronics Pvt. Ltd.	Volume 2: Scope of Work & Technical Specifications, 12.7 Bill of Material (BOM) Summary, 1.2. Adaptive Traffic Signal Control System (Signalization), Point 1.2.2	Page 395 of 400	Countdown timer - 226 Nos.	Though Count Down Timer quantity is mentioned as 226 under Bill of Materials, No Specification & Functional requirement of Count Down Timer is available in RFP.	Item Mentioned in the BOM stands Deleted	ITMS		
Vol.2	207	Vehant	Vol 2 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.1 Functional Requirement – Traffic Violation Detections System	230 of 400	3. Wrong Lane Driving / Stoppage with ANPR (WLD)	Exact Quantities are not mentioned in Bill of Materiel for the same. Please include it into BOQ and provide number of lanes for the same.	Tender conditions shall prevail	ITMS		
Vol.2	208	Vehant	Vol 2 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.1 Functional Requirement – Traffic Violation Detections System	230 of 400	c) The ITMS OEM should have supplied at least 2000 licenses (ANPR/RLVD/Speed or cumulative) in at least three projects in India.	This is a OEM specific requirement. To increase the bid competition, we request you to kindly amend the clause as: "c) The ITMS OEM should have supplied at least 2000 licenses (ANPR/RLVD/Speed or cumulative) in last Five years in India. "	The ITMS OEM should have supplied and deployed proposed system for atleast 500 ANPR systems, 100 RLVD systems and 200 SVD systems in India	ITMS		License is non tangible method to determine experience of a vendor for the required solution. To increase participation and to ensure that the MSI has experience of deploying all componets of the solution (hardware and software)

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Vol.2	209	Vehant	Vol 2 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.1 Functional Requirement – Traffic Violation Detections System	230 of 400	e) The system should support Microsoft SQL, MySQL, PostgreSQL and Oracle databases.	Only one type of database is used among these databases with TVDS systems. Hence we request you to kindly amend the clause as "e) The system should support Microsoft SQL/MySQL, PostgreSQL/Oracle databases"	Point d and f as per bidder solution e) The system should support Microsoft SQL/ MySQL/ PostgreSQL/Oracle or any standard database.	ITMS		
Vol.2	210	Vehant	Vol 2 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.1 Functional Requirement – Traffic Violation Detections System	230 of 400	d) The system should be developed and built on operating system agnostic platform, should work on Commercially OFF THE SHELF (COTS) servers and storage solutions, and should be database agnostic. e) The system should support Microsoft SQL, MySQL, PostgreSQL and Oracle databases. f) The system should support virtual computing environment and should support virtualization platforms on Windows and Linux operating systems.	Server, Storage, DB Infrastructure along with OS will be deployed only once at the time of implementation. OS, DB, storage or server infrastructure will not change during project warranty or AMC phase. So choice of Operating System, storage, database and sever platform should be left with MSI as per their solution design for most optimal performance.	d) The system should be developed and built on operating system agnostic platform, should work on Commercially OFF THE SHELF (COTS) servers and storage solutions, and should be database agnostic. e) The system should support Microsoft SQL/ MySQL/ PostgreSQL/Oracle or any standard database. f) The system should support virtual computing environment and should support virtualization platforms on Windows and Linux operating systems.	ITMS		
Vol.2	211	Vehant	Vol 2 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.1 Functional Requirement – Traffic Violation Detections System	230 of 400	g) The ITMS Software should be NABL accredited lab for accuracy	Certificate issued by NABL accredited lab is issued for accuracy of Speed Violation Detection system and not for whole ITMS software. Hence we request you to kindly remove this clause from here.	NABL Clause stands deleted. Please read the clause as In ITMS, SVD system should have proper test report and certificate (Legal Decree/type approval/homologation). The test reports/certificates should be provided by domestic/international labs who have mandate to provide the same for speed enforcement system. The test reports should be in compliance to OIMLR91, D11 and WELMEC 7.2 norms,	ITMS		NABL does not issue such certificate

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Vol.2	212	Vehant	Vol 2 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.1 Functional Requirement – Traffic Violation Detections System	230 of 400	-	Is Speed is required to be captured at junctions?	Tender conditions shall prevail	ITMS		
Vol.2	213	Vehant	Vol 2 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.2 Functional/General Requirements Red Light Violation Detection (RLVD) System	231 of 400	c) The system shall have in-built tool to facilitate the user to compose detail evidence by stitching video clips from any IP camera in the junction (including but not limited to the red-light violation detection camera, evidence camera), and any other surveillance cameras in the vicinity of the spot of incidence. The entire evidence should be watermarked and encrypted to stand the court of law.	Stitching of video clips is considered as tempering of the evidence video clip, which will not be acceptable in the court of law as an acceptable evidence for violation. Hence we request you to kindly amend the clause as : "c) The system shall have in-built tool to facilitate the user to compose detail evidence by RLVD Camera in the junction. The entire evidence should be watermarked and encrypted to stand the court of law."	The system shall have in-built tool to facilitate the user to compose detail evidence by RLVD Camera in the junction. The entire evidence should be watermarked and encrypted to stand the court of law	ITMS		
Vol.2	214	Vehant	Vol 2 5.4.2.3 Technical Specification Red Light Violation Detection (RLVD) Systems 4. Digital Network Camera	237 of 400	f. Lens: Auto IRIS 5-50mm /8 – 40 mm, F1.4	Lens size depends upon the solution designing which varies from OEM to OEM. Hence we request you to kindly amend the clause as "f. Lens : as per OEM requirement for RLVD application."	Tender conditions shall prevail	ITMS		

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Vol.2	215	Vehant	Vol 2 5.4.2.3 Technical Specification - Red Light Violation Detection (RLVD)Systems 6. Violation Transmission and Security	239 of 400	b. Advanced Encryption Standard (AES) shall be followed for data encryption on site and ICCCC, and its access will be protected by a password.	<u>Additional clause to prevent Cyber Security threats. Considering the cyber security requirements as per govt. of India directives, necessary measures should be taken to prevent the cyber attacks/threats. CERT-In is designated agency from govt. of India for handling cyber security of such applications. Hence we suggest to include below mentioned clause for Traffic Violation Detection Systems. "Proposed ANPR/RLVD/SVD Systems should have Certification of Security Assessment from any CERT-IN empanelled agencies. Same should be submitted along with the bid."</u>	b. Advanced Encryption Standard (AES) shall be followed for data encryption on site and ICCCC, and its access will be protected by a password. Same AES 256 bit encryption is required	ITMS		
Vol.2	216	Vehant	Vol 2 5.4.2.4 Functional Requirements of Automatic Number Plate Recognition (ANPR) System	241 of 400	Event Type (e.g. ANPR, Red Light Violation, Speed Violation , etc.)	Speed Violation is a part of Speed Violation Detection System. Hence we request you to kindly remove "Speed Violation" from here.	Speed Violation to be integrated with RLVD for 5 critical accident prone junctions out of the total 64 junctions and MSI should be able to relocate the speed violation part to other junctions if required during the operational period	ITMS		
Vol.2	217	Vehant	5.4.2.5 Technical Specification ANPR SW Requirements 9. Central Management Module	244 of 400	b. ANPR Specification Base Specification of Fixed Box Cameras (Section 6.2.2.2 of Annexure I) must be part of the	ANPR Camera HW specifications are mentioned in section "5.4.2.6 ANPR HW Requirements" in the RFP. We understand this is typo error. Please correct.	Base Specification of Fixed Box Cameras must be part of the 5.4.2.6 ANPR HW Requirements	ITMS		
Vol.2	218	Vehant	Vol 2 5.4.2.6 ANPR HW Requirements	246 of 400	28. Flexible angle adjustment : 30°, 45°, 60°, 90°	ANPR camera has a fixed field of view (i.e. 3.5 mtr in width) and its angle is also kept fixed to capture the number plate with good accuracy. Flexible angle adjustment is useful with surveillance cameras and not for ANPR application. Hence, we request you to kindly amend the clause as : "28. Flexible angle adjustment : as per OEM requirement"	Flexible angle adjustment : as per OEM requirement for ITMS only	ITMS		
Vol.2	219	Vehant	Vol 2 5.4.2.1 IR – Illuminator (In case of Separate IR)	246 of 400	1. IR control:Adjustable IR intensity	Fixed IR intensity is preferable to a level where the ANPR camera can capture both HSRP and Non-HSRP with good accuracy. Variable/adjustable IR control with high intensity is a problem for capturing reflective or HSRP and variable IR control with low intensity is an issue for capturing non- standard number plates. Hence, we request you to kindly make it optional and amend the clause as : "1. IR control : IR intensity as per OEM requirement"	IR control : IR intensity as per OEM requirement for ITMS only	ITMS		
Vol.2	220	Vehant	Vol 2 5.4.2.1 IR – Illuminator (In case of Separate IR)	246 of 400	3. Beam Angles : 10°, 20°, 30°, 60°, 80°, and 95°	ANPR camera has a fixed field of view (i.e. 3.5 mtr in width) and each lane/ANPR Camera has dedicated IR Illuminator to capture the number plates at night. Since the ANPR camera angle is fixed . Beam angle of IR is also kept fixed to capture the number plate with good accuracy. Multiple Beam angle is useful with surveillance cameras and not for ANPR application. Hence, we request you to kindly make it optional and amend the clause as : "3. Beam Angles : as per OEM requirement"	Beam Angles : as per OEM requirement for ITMS only	ITMS		

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Vol.2	221	Vehant	Vol 2 5.4.2.1 IR – Illuminator (In case of Separate IR)	247 of 400	8. Standards: UL, CE, FCC, EN	Since, this is an OEM specific requirement and preferring single OEM, hence, we request you to kindly amend this clause as "8. Standards: UL/CE/FCC/EN"	8. Standards: UL/CE/FCC/EN along with Eye Safety Certificate for ITMS only	ITMS		
Vol.2	222	Vehant	Vol 2 5.4.2.1 IR – Illuminator (In case of Separate IR)	247 of 400	9. Approved Makes: The Camera and IR Illuminator shall be of the same make	Since, this is an OEM specific requirement and preferring single OEM, hence, we request you to kindly remove this clause from RFP.	For ITMS applications and solutions this clause stands deleted. For all other applications tender conditions shall prevail	ITMS		
Vol.2	223	Vehant	Vol 2 12.7 Bill of Material (BOM) Summary 1.0 Integrated Traffic Control System 1.1 Traffic Violation Detection System at Traffic Junctions	395 of 400	1.1.13 ANPR Analytics Software License with No Helmet, Triple Ride of 2-wheeler, No Seatbelt, Driver talking on Phone, Free left Blocking while driving with ANPR : 452nos.	To do and capture - No Seatbelt, Driver talking on Phone, Free left Blocking while driving with ANPR, it requires placing of setup from front or side, whereas in RLVD system camera is placed in the way that it capture Vehicle license plate from the back, so that Evidence (showing status of Traffic Light, Stopline/zebra crossing, traffic clutter etc) can be captured effectively. Hence we request you to kindly remove "No Seatbelt, Driver talking on Phone, Free left Blocking while driving with ANPR" from here.	1.1.13 ANPR Analytics Software License with No Helmet, Triple Ride of 2-wheeler, 3 Free left Blocking while driving with ANPR : 452nos.	ITMS		
Vol.2	224	Vehant	Vol 2 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.1 Functional Requirement – Traffic Violation Detection System	230 of 400	Additional clause for ITMS OEM	d	Tender conditions shall prevail	ITMS		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Se gregation	Remarks	Justification
Vol.2	225	Vehant	Vol 2 5.4.3 Speed Violation Detection System (SVD) 5.4.3.1 Speed Violation Detection System (SVD)- General Requirements 5.4.3.2 Speed Violation Detection System Requirements:	248-257 of 400	Technology : 4D Object Tracking (Range, Angle, Speed, Time) with UHD Resolution, independent discrimination multiple targets at same speed and same range	<p>->Tender has been designed on 4D RADAR technology which is available with only One single foreign OEM. Proven technology based on Video based system has been barred here, which is also much cost effective as compared to 4D RADAR technology.</p> <p>There are more that 25 Smart Cities/ ITMS projects successfully deployed on Video based system, which has been kept out of this RFP</p> <p>There are hardly any successful 4D HD RADAR based ITMS system implementation in India and wherever they have been deployed, are facing legal hurdles due to sanctity of their challaning</p> <p>The RFP is also against "Make in India" regulations and Ministry of Commerce & Industry circular no. D.O. No. P- 45021/12/2017- Public Procurement (BE-II) dated December 18, 2017 which states that "no specifications should be mentioned in public tenders which is barring Indian OEM to participate". Irrelevant specifications such as "Vehicle Detection at a speed of 300 Kmph is mentioned, which is not at all possible in the Indian Roads. In fact, there would hardly be any vehicle in Moradabad, whci can run at such speeds.</p> <p>Also, the proposed RADAR based system has its own challenges and not successful in city scenario. Same has been highlighted in OIML guidelines.</p> <p>Above point states that that radar should be calibrated by using a video based system, which is not being installed here.</p> <p>Hence we hereby request you to kindly revisit the specifications and allow Video based Speed violation Detection technology as well for detection of Speed. For your convinience, Speed Violation Detection system with Video</p>	Tender conditions shall prevail	ITMS		
Vol.2	235	Johnson Control	Vol-2 5.4.1.2 Functional Requirements of Adaptive Traffic Signal Control (ATSC)	208	"Composite Signal Control Strategy" application (already proved in Indian environment) or equivalent will be used for optimizing the traffic signal timings.	"Composite Signal Control Strategy" being a proprierty application from CDAC, you are requested to kindly remove this clause and allow fare chance to all the global technologies.	Clause stands deleted	ITMS		
Vol.2	236	Johnson Control	Volume 2 4.6.2 Existing Traffic Signal system	23	The infrastructure of existing traffic signal systems including the aspects, controllers etc. will be dismantled and replaced with the new systems which are proposed and required under the scope of this project. The dismantled infrastructure shall be delivered at the GSCL designated location without damage at no extra cost.	As per RFP, dismantling of existing traffic infrastructure and their shifting to designated ware house location should be done at no extra cost. In the RFP details of these existing traffic signals is not available, so details of existing junctions should be included. Also as this activity involves a lot of expenditure in the form of machinery, manpower and transportation while dismantling the items and their shifting to some designated ware house, you are requested to add this whole activity as a sepearate line item in the Bill of Material.	Tender conditions shall prevail	ITMS		
Vol.2	237	Johnson Control	Volume 2 5.4.1.2 Functional Requirements of Adaptive Traffic Signal Control (ATSC)	209	N.XII. Make available the network status and report viewing on Web.	This requirement is contradictory with the specification given on s. no. 27 on page 212 of RFP vol. 2 where it asks " Make available the network status and report viewing on the desktop GUI as per RFP ". Please clarify.	Clause to be read as Make available the network status and report viewing on the operator console	ITMS		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Seregation	Remarks	Justification
Vol.2	238	Johnson Control	Volume 2 5.4.1.2 Functional Requirements of Adaptive Traffic Signal Control (ATSC) & 5.4.1.8	209 & 227	O. Pedestrian Actuated Traffic Control Signals at places where a large number of people cross the road with heavy vehicular traffic (near Schools, Hospitals, Shopping Centers, places of worship and similar other establishments). P. The pelican signals shall be installed on two diagonally opposite corners of the Zebra Crossing and shall be supported with facilities for the pedestrians to actuate traffic signal control. 5.4.1.8 Pedestrian / Pelican Traffic Signal Controller	In the RFP Pedestrian/ Pelican Traffic signal controllers are asked for mid block kind of junctions near the hospital, schools etc. but their quantity is not mentioned. Kindly provide the details of pelican junctions and include their quantity with traffic lights,poles etc. in the Bill of Material.	Tender conditions shall prevail	ITMS		
Vol.2	239	Johnson Control	Volume 2 5.4.1.2 Functional Requirements of Adaptive Traffic Signal Control (ATSC)	209	Q. ATSC shall use UG405 or NTCIP or any other standard communication protocol. It should also provide the functionality of integration with on-ground hardware of any thirdparty traffic controller that is UG405 or NTCIP or any other standard communication protocol compliant.	As per RFP Clause "4.6.2 Existing Traffic Signal system" all the existing hardware including traffic lights poles, controller etc. will be dismantled and replaced by the new items. For the ATCS system it needs an ATCS Application and its dedicated type of traffic controller, any other make of traffic controller which is not supported by this ATCS Application can not be controlled through the same. Hence request you to kindly modify the clause as mentioned below: Q. ATSC shall use UG405 or NTCIP or any other standard communication protocol.	Clause to be read as Q. ATSC shall use UG405 or NTCIP or OCIT or any other standard communication protocol. It should also provide the functionality of integration with on-ground hardware of any third-party traffic hardware that is UG405 or NTCIP or any other standard communication protocol compliant.	ITMS		
Vol.2	240	Johnson Control	Volume 2 12.7 Bill of Material (BOM) Summary/ 1.2. Adaptive Traffic Signal Control System (Signalization)	395	1.2.2 Countdown timer : Nos 226	In the RFP specifications of Count Down Timers are not given anywhere, secondly count down timers are suitable for Non Adaptive system only where Cycle time and stage time remains constant. But here the system to be deployed is Adaptive in which signal timing will keep on changing based on real time detection data. Request you to kindly remove this item from the Bill of Material.	Item mentioned in BOM stands deleted	ITMS		
Vol.2	241	Johnson Control	Volume 2 12.7 Bill of Material (BOM) Summary/ 1.2. Adaptive Traffic Signal Control System (Signalization)	395	1.2.4 Galvanized standard Poles for Traffic Aspects and Pedestrian signals : Nos 452 1.2.6 Traffic Light Aspects – Red : Nos 452 1.2.7 Traffic Light Aspects – Amber : Nos 452 1.2.8 Traffic Light Aspects – Green : Nos 1356 1.2.9 Pedestrian lamp heads – Stop Man : Nos 226 1.2.10 Pedestrian lamp heads – Walk Man : Nos 226	As per the list of Traffic Junctions given in RFP, it is observed that out of 64 ATCS junctions, 33 junctions are Three Arm, 28 junctions are Four Arm and 3 junctions are Five Arm type. So for all these junction types, 1 primary vertical LED Aspect, 1 primary horizontal LED Aspect and 1 secondary LED aspects should be there for vehicles in each arm for better visibility of lights. Also there should be 2 LED aspects for pedestrians on both sides for each arm. Hence the quantity of some items mentioned in the Bill of Material should be modified as given below: 1.2.4 Galvanized standard Poles for Traffic Aspects and Pedestrian signals : Nos 485 1.2.6 Traffic Light Aspects – Red : Nos 678 1.2.7 Traffic Light Aspects – Amber : Nos 678 1.2.8 Traffic Light Aspects – Green : Nos 1737 1.2.9 Pedestrian lamp heads – Stop Man : Nos 452 1.2.10 Pedestrian lamp heads – Walk Man : Nos 452	1.2.4 Galvanized standard Poles for Traffic Aspects and Pedestrian signals : Nos 452 1.2.6 Traffic Light Aspects – Red : Nos 452 1.2.7 Traffic Light Aspects – Amber : Nos 452 1.2.8 Traffic Light Aspects – Green : Nos 1356 1.2.9 Pedestrian lamp heads – Stop Man : Nos 452 1.2.10 Pedestrian lamp heads – Walk Man : Nos 452	ITMS	BoQ to be corrected after survey	
Vol.2	344	Lookman	Volume 2 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera	230	The ITMS OEM should have quality certification (nationally/internationally recognized) with R&D center in India for past 5 years. Necessary documentation to this effect must be submitted.	Cutting edge A.I based solutions have begun recently in india, request to amend this requirement to 2 years, else it is favouring particular OEMs	Clause stands deleted	ITMS		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Seregation	Remarks	Justification
Vol.2	345	Lookman	Volume 2 5.4.2.5 Technical Specification - ANPR SW Requirements	244	Base Specification of Fixed Box Cameras (Section 6.2.2.2 of Annexure I) must be part of the	The referred Section 6.2.2.2 of Annexure I is not available in RFP. Kindly clarify	Base Specification of Fixed Box Cameras must be part of the 5.4.2.6 ANPR HW Requirements	ITMS		
Vol.2	397	Huawei	Volume 2 5.4.2.3 Technical Specification - Red Light Violation Detection (RLVD) Systems		s-Certification:UL/EN, CE, FCC	BIS certificate is India standard certificate (majority OEMs inclusive indian ones follow India Industry standard),Suggest change to BIS and CE / UL / EN / FCC/ ROHS / ONVIF	Certification UL, EN, CE, FCC, ONVIF profile S, G, T for all cameras	ITMS		ONVIF profile S,G and T are related to video streaming with encoding formats such as H.264/H.265, image settings, tampering detection, including PTZ control, audio and metadata support etc. Therefore the clause should remain the same Having different certificate simulateously (UL, EN, CE, FCC etc.) shows the seriousness of the vendor to work across the globe satisfying each regional requirement for certification. They are serious players and
Vol.2	398	Huawei	Volume 2 5.4.2.6 ANPR HW Requirements		26-LED type:12 pieces dot matrix array LED or better	This is Vendor Specific Clause, Suggest remove it	Clause stands deleted	ITMS		
Vol.2	399	Huawei	Volume 2 5.4.2.6 ANPR HW Requirements		29-Networking Features:Bandwidth utilization, UPnP based port forwarding	About UPnP is Universal Plug and Play Propocol for low end mostly home devices, , it's not a manotory protocol for camera, and this function as a global standard is replaced by ONVIF. Suggest remove UPnP	Clause to be read as Networking Features: Bandwidth utilization, ONVIF Profile S, G and T	ITMS		
Vol.2	400	Huawei	Volume 2 5.4.2.6 ANPR HW Requirements		31-Protocol:IPv4, IPv6, TCP/IP, SNMP, HTTP, HTTPS, UPnP, RTSP, RTP, RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE and 802.1x	About UPnP is Universal Plug and Play Propocol for low end mostly home devices, , it's not a manotory protocol for camera, and this function as a global standard is replaced by ONVIF. Suggest remove UPnP	UPnP stands deleted Surveillance camera shall support onboard sign crypto processor and AES256 with encryption	ITMS		To reduce mallicious attacks
Vol.2	401	Huawei	Volume 2 5.4.2.7 IR - Illuminator (In case of Separate IR)		8-Standards:UL, CE, FCC, EN	BIS certificate is India standard certificate (majority OEMs inclusive indian ones follow India Industry standard),Suggest change to " BIS and CE / UL / EN / FCC/ ROHS / ONVIF "	Tender conditions shall prevail	ITMS		
Vol.2	402	Huawei	Volume 2 5.4.2.7 IR - Illuminator (In case of Separate IR)		9-Approved Makes:The Camera and IR Illuminator shall be of the same make	To make the Tender more open(Best Camera Brand + Best IR Brand), Suggest remove this item	For ITMS applications and solutions this clause stands deleted. For all other applications tender conditions shall prevail	ITMS		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Se gregation	Remarks	Justification
Vol.2	403	Huawei	Volume 2 5.4.3.7 Speed Detection Camera Specification s		9-Certifications:CE, FCC, EN/UL, RoHS	BIS certificate is India standard certificate (majority OEMs inclusive indian ones follow India Industry standard),Suggest change to BIS and CE / UL / EN / FCC/ ROHS / ONVIF	Certification UL, EN , CE , FCC, ONVIF profile S, G, T for all cameras	ITMS		ONVIF profile S,G and T are related to video streaming with encoding formats such as H.264/H.265, image settings, tampering detection, including PTZ control, audio and metadata support etc. Therefore the clause should remain the same Having different certificate simulateously (UL, EN, CE, FCC etc.) shows the seriousness of the vendor to work across the globe satisfying each regional requirement for certification. They are serious players and
Vol.2	699	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.3 Technical Specification - Red Light Violation Detection (RLVD)Systems	237	4.b. Video Resolution: 2-MP - 1920x 1080p	4.b. Video Resolution: 4-MP - 2592x1520p	Tender conditions shall prevail	ITMS		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Seregation	Remarks	Justification
Vol.2	700	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.3 Technical Specification Red Light Violation Detection (RLVD) Systems	237	4.c. Frame rate: Min. 50 ~ 60 FPS	4.c. Frame rate: Min. 25 ~ 30 FPS	Tender conditions shall prevail	ITMS		
Vol.2	701	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.3 Technical Specification Red Light Violation Detection (RLVD) Systems	237	4.e. Lens Type: Varifocal, C/CS Mount, IR Correction full HD lens	4.e. Lens Type: Motorized Varifocal, C/CS or Board Mount, IR Correction full HD lens	As per RFP. Motorized Zoom is not required in ANPR & RLVD Application as per fixed focus	ITMS		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Se- gre- gat- ion	Remarks	Justification
Vol.2	702	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.3 Technical Specification Red Light Violation Detection (RLVD) Systems	237	4.g. Minimum Illumination: Colour: 0.5 lux, B/W: 0.1 lux (at 30 IRE)	4.g. Minimum Illumination: Color: 0.05Lux@F1.2, B/W: 0Lux@IR LED ON	Clause to be read as for ANPR & RLVD , 6. Minimum Illumination: mono 0.001Lux @ (F1.2, AGC ON), color 0.0014Lux @ (F1.2, AGC ON), 0 Lux at IR ON	ITMS		
Vol.2	703	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.3 Technical Specification Red Light Violation Detection (RLVD) Systems	238	4.r. Alarm I/O: Minimum 2 Input & 1 Output contact for 3rd part interface	4.r. Alarm I/O: Minimum 1 Input & 1 Output contact for 3rd part interface	Clause to be read as for ANPR & RLVD , Alarm I/O: Minimum 1 Input & 1 Output contact for 3rd part interface	ITMS		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Se gregation	Remarks	Justification
Vol.2	704	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.3 Technical Specification Red Light Violation Detection (RLVD) Systems	238	4.s. Certification: UL/EN, CE, FCC	4.s. Certification: UL, CE-EN 55032:2015, EN 55024:2010+A1:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, IEC 61000-6-4:2018, FCC Part 15, Sub part B:2017, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU	Clause to be read as for ANPR & RLVD , UL, EN, CE, FCC	ITMS		Having different certificate simultaneously (UL, EN, CE, FCC etc.) shows the seriousness of the vendor to work across the globe satisfying each regional requirement for certification. They are serious players and therefore their products and technology will have longevity and best of the world capabilities
Vol.2	705	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.6 ANPR HW Requirements	244	3. Lens & Resolutions: 5-50mm Lens & 2-MP - 1920x 1080p	3. Lens & Resolutions: 5-50mm Lens & 4-MP - 2592x1520p	Clause to be read as Lens & Resolution : 5-50mm/9-40mm/ 4-12mm Lens & 2-MP - 1920x 1080p for both ANPR & RLVD Camera, bidder can select as per requirement	ITMS		
Vol.2	706	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.6 ANPR HW Requirements	244	4. Shutter Time: PAL: 1/20~ 1/30,000 sec.	4. Shutter Time: PAL: 1/5~ 1/20,000 sec.	Request smart city to consider fixed shutter 1/25 to 1/15000s and Automatic electronic shutter for both ANPR & RLVD Camera	ITMS		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Seregation	Remarks	Justification
Vol.2	707	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.6 ANPR HW Requirements	244	6. Minimum Illumination: 0.001Lux @ (F1.2, AGC ON), 0.0014Lux @ (F1.4, AGC ON), 0 Lux at IR ON	6. Minimum Illumination: Color: 0.05Lux@F1.2, B/W: 0Lux@IR LED ON	Clause to be read as for ANPR & RLVD . 6. Minimum Illumination: mono 0.001Lux @ (F1.2, AGC ON), color 0.0014Lux @ (F1.2, AGC ON), 0 Lux at IR ON	ITMS		
Vol.2	708	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.6 ANPR HW Requirements	245	10. WDR: Up to 140 dB	10. WDR: Up to 120 dB	Clause to be read as WDR >= 120 Db for both ANPR & RLVD Camera	ITMS		
Vol.2	709	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.6 ANPR HW Requirements	245	13. S/N Ratio: >60db	13. S/N Ratio: >52db	Clause to be read as S/N Ratio >55db for both ANPR & RLVD Camera	ITMS		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Se gregation	Remarks	Justification
Vol.2	710	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.6 ANPR HW Requirements	245	14. Video Compression: H.264, H.265, MPEG-4 & MJPEG	14. Video Compression: H.264, H.265 & MJPEG	Clause to be read as MJPEG, H.264/ H.265 for both ANPR & RLVD Camera	ITMS		
Vol.2	711	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.6 ANPR HW Requirements	245	18. Image Resolution (Primary stream) Resolution (Secondary stream) Resolution (Mobile stream): Mainstream: 2MP @50 FPS to 60 FPS, Sub stream: D1@ 50FPS to 60 FPS	18. Image Resolution (Primary stream) Resolution (Secondary stream) Resolution (Mobile stream): Mainstream: 2MP @25 FPS to 30 FPS, Sub stream:D1@ 25FPS to 30 FPS, Third stream: VGA@ 25FPS to 30 FPS	Clause to be fully configurable 18. Image Resolution (Primary stream) Resolution (Secondary stream) Resolution (Mobile stream): Mainstream: H.264,2MP @50 FPS to 60 FPS, Sub stream: H.264,2MP @50 FPS to 60 FPS at configurable bandwidth for both ANPR & RLVD Camera	ITMS		
Vol.2	712	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.6 ANPR HW Requirements	245	19. Frame rate: 50 to 60 FPS or Better	19. Frame rate: 25 to 30 FPS or Better	As per RFP, Frame rate: 50 to 60 FPS or Better at all resolution 2MP , 720P for both ANPR & RLVD Camera	ITMS		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Se gregation	Remarks	Justification
Vol.2	713	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.6 ANPR HW Requirements	246	26. LED type: 12 pieces dot matrix array LED or better	Request you to remove this specification as every OEM have its own design.	Clause stands deleted	ITMS		
Vol.2	714	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.6 ANPR HW Requirements	246	Additional Specification	Certification: UL, CE-EN 55032:2015, EN 55024:2010+A1:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, IEC 61000-6-4:2018, FCC Part 15, Sub part B:2017, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU	As per RFP. Minimum requirement is mentioned, bidder can propose better for both ANPR & RLVD Camera	ITMS		
Vol.2	715	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.4.3 Speed Violation Detection System (SVD) 5.4.3.7 Speed Detection Camera Specifications	254	1. Image sensor and Effective Pixels (Resolution): 1" or higher, CMOS, Global Shutter, Minimum 9MP, 4096(H) x 2160(V)	1. Image sensor and Effective Pixels (Resolution): 1/7" or higher, CMOS, Minimum 12MP, 4000(H) x 3000(V)	As per RFP. Bidder can purpose better	ITMS		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	716	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.4.3 Speed Violation Detection System (SVD) 5.4.3.7 Speed Detection Camera Specifications	254	2. Electronic Shutter: 1/1000 s to 1/10,000 s or better	2. Electronic Shutter: 1 s to 1/1,00,000 s or better	Tender conditions shall prevail	ITMS		
Vol.2	717	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.4.3 Speed Violation Detection System (SVD) 5.4.3.7 Speed Detection Camera Specifications	254	9. Certifications: CE, FCC, EN/UL, RoHS	9. Certifications: UL, CE-EN 55032:2015, EN 55024:2010+A1:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, IEC 61000-6-4:2018, FCC Part 15, Sub part B:2017, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU	Tender conditions shall prevail	ITMS		
Vol.2	718	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.4.3 Speed Violation Detection System (SVD) 5.4.3.7 Speed Detection Camera Specifications	254	11. Video Compression: MJPEG, H.264	11. Video Compression: MJPEG, H.264, H.265	Tender conditions shall prevail	ITMS		
Vol.2	724	Dahua Technology India Private Limited	5.4.2.1 Technical Specification - Red Light Violation Detection (RLVD) Systems		f. Lens : Auto IRIS 5-50mm /8 – 40 mm, F1.4	The mentioned RFP clause regarding lens is no feasible to all OEM to comply. Thus requesting you kindly help to amend this clause with " Lens : Auto IRIS 5-50mm(±1) /8 – 40 mm(±1), F1.4"	Clause to be read as Lens & Resolution : 5-50mm/9-40mm/ 4-12mm Lens & 2-MP - 1920x 1080p for both ANPR & RLVD Camera, bidder can select as per requirement	ITMS		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	725	Dahua Technology India Private Limited	5.4.2.6 ANPR HW Requirements		3. Lens & Resolution : 5-50mm Lens & 2-MP - 1920x 1080p	The mentioned RFP clause regarding lens is no feasible to all OEM to comply and it is belong to one specific OEM. Thus requesting you kindly help to amend this clause with " Lens : 5-50mm /10-40 mm"	Clause to be read as Lens & Resolution : 5-50mm/9-40mm/ 4-12mm Lens & 2-MP - 1920x 1080p for both ANPR & RLVD Camera, bidder can select as per requirement	ITMS		
Vol.2	726	Dahua Technology India Private Limited	5.4.2.6 ANPR HW Requirements		10. WDR : Up to 140 dB	The mentioned RFP clause regarding WDR is no feasible to all OEM to comply and it is belong to one specific OEM. Thus requesting you kindly help to amend this clause with " WDR : upto 120dB"	Clause to be read as WDR >= 120 Db for both ANPR & RLVD Camera	ITMS		
Vol.2	727	Dahua Technology India Private Limited	5.4.2.6 ANPR HW Requirements		16. Audio Compression : G.711/AAC-LC	Normally ANPR will installed on outdoor scenario and background noise will be higher so there is no use of audio on outdoor scenario. Thus requesting you kindly help to remove this clause.	As per RFP, Camera shall support in case of any future requirement for both ANPR & RLVD Camera	ITMS		
Vol.2	728	Dahua Technology India Private Limited	5.4.2.6 ANPR HW Requirements		17. Triple Stream : Required	Normally ANPR will installed on outdoor scenario and two stream is more than sufficient as one for recording and one for monitoring. Thus requesting you kindly help to amend this clause with " Stream : Two or more."	Quad stream for both ANPR & RLVD Camera	ITMS		
Vol.2	729	Dahua Technology India Private Limited	5.4.2.6 ANPR HW Requirements		20. Image Settings through client software or web browser : Saturation, Brightness, Contrast, Sharpness, Hue, Gain, Mirroring adjustable	The mentioned RFP clause belong to some particular OEM and its very hard to match with all other OEM. Thus requesting kindly help to remove this clause.	Tender conditions shall prevail	ITMS		
Vol.2	730	Dahua Technology India Private Limited	5.4.2.6 ANPR HW Requirements		27. Wavelength : 850nm approx.	The mentioned RFP clause belong to some particular OEM and its very hard to match with all other OEM. Thus requesting kindly help to remove this clause.	Bidder to consider the separate illuminator, 850nm is IR Standard wavelength for both ANPR & RLVD Camera	ITMS		
Vol.2	878	Siemens Limited India	Volume II, Clause 5.4.1.2 B,G,K Vehicle detector	208	B. All signal controllers under Adaptive Traffic Control System shall be provided with inputs from non-intrusive vehicle detection sensors/ cameras for detecting demand and communications equipment to send the demand data and to receive instructions on the control strategy in near real-time. G. Camera based vehicle detectors to assist operation of traffic signal controller and generate counts, demands and extensions for right-of-way for identifying optimal signal timings. K. ATSC should be able to sense the volume of the Traffic automatically at each of the junction movement nodes through the means of camera algorithms and AI analytics	We request you to please also consider (2D / 4D) RADAR based detectors which are weather resistant considering the terrain of Guwahati and the anticipated high rainfall which might not be suitable for a camera based detection system. RADARs also require very low maintenance. They are being used world over in global projects as well in projects in India.	The vehicle detector shall be 4D Radar / thermal Camera which can cover minimum 4 lanes and upto 130 mts, with high definition for Count, classification and Queue detection of all the vehicles passing through Junction in all day and night conditions. Vehicle detector shall be able to operate with more than 95 % Accuracy in all weather conditions like Fog, Rain and dust storm, road surface temperature without degrading its performance	ITMS		
Vol.2	879	Siemens Limited India	Volume II, Clause 5.4.1.2 J Control strategy	208	"Composite Signal Control Strategy" application (already proved in Indian environment) or equivalent will be used for optimizing the traffic signal timings.	We request to allow globally proven SCOOT strategy, having more than 200 implementation globally and which is globally most studied/tested system, for adaptive traffic control.	Clause stands deleted	ITMS		
Vol.2	880	Siemens Limited India	Volume II, Clause 5.4.1.3 Table Sr. No.1	210	Identify the critical junction of a corridor or a region based on maximum traffic demand and saturation. For this purpose, identify the vehicles standing in the queue on the junction based on their presence on stop line using vehicle detectors and then optimize its timing to reduce the queue formation by capturing required data from Vehicle Detectors for ATSC functionality.	We request critical junction be defined during operations dynamically and not once for all as critical junction can change due to some incident(s)/events etc. We recommend that the critical junction identification of a corridor is kept dynamic and not static.	Tender conditions shall prevail	ITMS		

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Vol.2	881	Siemens Limited India	Volume II, Clause 5.4.1.3 Table Sr. No. 2,3	210	<p>2 The system shall have a distributed architecture of sub-systems and structured so that signalized junctions can be appropriately grouped into sub-areas or sub- systems (minimum 2 and up to 250). Sub-areas are to be controlled by a regional computer.</p> <p>3. Up to 100 users should be able to connect to the central ATSC system and up to 30 users to regional computer controlling sub-systems with varying levels of security and access at the same time the proposed ATSC system shall be scalable to include any additional junctions in the future.</p>	<p>We request you to remove this requirement as this is specific to a particular system architecture of a particular OEM. All OEMs have their own system architecture and this provided at the Detailed Design Phase.</p> <p>We recommend to keep the requirement open "Distributed" OR "Centralized" based on the OEM's technical solution.</p>	<p>The system shall have a distributed architecture of sub-systems so that signalized junctions can be appropriately grouped into sub-areas or Corridors (min 2 and upto 255 controllers) Initially to be designed for 100 Junctions and scalable to 256 Junctions</p> <p>Min 25 users should be able to connect to the central ATSC system and controlling with varying levels of security and access at the same time.The proposed ATSC system shall be scalable to include any additional junctions in the future</p>	ITMS		
Vol.2	882	Siemens Limited India	Volume II, Clause 5.4.1.3 Table Sr. No. 4- 13	210-212	<p>4. The critical junction cycle time shall be used as the group cycle time i.e. cycle time common to all intersection in that corridor or region.</p> <p>..... 13. When a link is established between two subsystems, the cycle generator of the subsystem linking is speeded up or slowed down (i.e. the cycle time of the subsystem is increased or decreased) until the specified relationship between the two subsystems is achieved. If a junction in a subsystem is required to change its grouping frequently depending on traffic conditions, it should be dynamically linked or delinked with other subsystems.</p>	<p>These clauses describe adaptive traffic control algorithm specific to an OEM's offerings and do not bring out the functional requirement of the Adaptive Traffic Control System.</p> <p>Every OEM has their own algorithms to implement various functional strategies. Please allow vendor to provide strategy as per his algorithm and kindly change the given requirements to functional requirements with desired KPIs only instead of providing the design requirements which is restrictive.</p> <p>As per various studies, other systems like SCOOT have been proven globally to be equally / more efficient than the requested design criterion.</p>	<p>The critical junction cycle time shall be used as the group cycle time i.e. cycle time common to all intersection in that corridor or sub areas</p>	ITMS		
Vol.2	883	Siemens Limited India	Volume II, Clause 5.4.1.3 Table Sr. No. 14	212	Propose timing plans to every intersection under the ATSC in every Cycle	<p>SCOOT does not use Signal plans but provides signal timing within cycle to each approach based on vehicle demand.</p> <p>Please allow SCOOT algorithm.</p>	<p>Tender conditions shall prevail</p>	ITMS		
Vol.2	884	Siemens Limited India	Volume II, Clause 5.4.1.4 Table Sr. No. 18	220	<p>18. Cycle Plans - The controller shall have facility to configure 10 cycle plans and the Amber flashing / red flashing plan. It shall be possible to define different stage switching sequences in different cycle plans. The controller shall have the capability for a minimum of 20 cycle switching per day in fixed mode of operation.</p>	<p>We request you to limit the different stage switching to 16 cycle switching per day in fixed mode operation which is sufficient as per our experience over 200 traffic installations in various traffic environments globally</p>	<p>Tender conditions shall prevail</p>	ITMS		
Vol.2	885	Siemens Limited India	Volume II, Clause 5.4.1.4 Table Sr. No. 19	220	<p>19. Day Plan – The controller shall have facility to configure each day of the week with different day plan. It shall also be possible to set any of the day plans to any day of the week. The controller shall have the capability to configure 20 days plans.</p>	<p>We request you to limit the capability of the controller to configure maximum 16 day plans which is sufficient as per our experience over 200 traffic installations in various traffic environments globally.</p>	<p>Tender conditions shall prevail</p>	ITMS		
Vol.2	886	Siemens Limited India	Volume II, Clause 5.4.1.4 Table Sr. No. 20	220	<p>20. Special Day Plans- The controller shall have facility to configure a minimum of 20 days as special days in a calendar year.</p>	<p>We request you to limit the capability of the controller to configure maximum 16 day plans as special day in a calendar year which is sufficient as per our experience over 200 traffic installations in various traffic environments globally.</p>	<p>Special Day Plans- The controller shall have facility to configure a minimum of 10 days as special days in a calendar year.</p>	ITMS		
Vol.2	887	Siemens Limited India	Volume II, Clause 5.4.1.4 Technical specifications of traffic controller Table Sr. No. 4	221	<p>c) Signal head compatibility: LED 230VAC or 24VDC with dimming of various intensity levels</p>	<p>Dimming is required for 230 V signals while for 24 V DC signal heads dimming is not required.</p>	<p>Tender conditions shall prevail</p>	ITMS		

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Vol.2	888	Siemens Limited India	Volume II, Clause 5.4.1.4 Technical specifications of traffic controller Table Sr. No. 5,6	221	d) 32bit processor with 2 MB or more flash as nonvolatile storage, 256 KB or more as RAM, with a provision of adding minimum 32 GB through an external SD Card/USB. 6 g) Controller clock frequency of min of 100MHz.	Our understanding is that USB port is needed to have access the controllers for maintenance activities. Our controller also has a USB port. However, we don't understand the requirement of providing additional memory. Please clarify.	Tender conditions shall prevail	ITMS		
Vol.2	889	Siemens Limited India	Volume II, Clause 5.4.1.4 Table Technical specifications of traffic controller Sr. No. 15	222	EN 50556/AS/NZS ISO 9001:1994 for design & servicing, AND EN 12675/IEC 60068 for functional safety, EN 55024:2010 & AS/NZS 60950/BS EN 61000-3-3 or equivalent for voltage fluctuations, or equivalent	We request to allow controllers following these or equivalent national standards	Standards compliance: EN 50556 or equivalent ISO 9001:1994 for design & servicing. EN 55024:2010 60950 61000-3-3 or equivalent for voltage fluctuations, or equivalent Safety Integrity Level SIL3 with certificate IEC 60068 for environmental protection EN 12675for functional safety,	ITMS		
Vol.2	890	Siemens Limited India	Volume II, Clause 5.4.1.5 Technical specifications of video thermal camera	223	For detection of vehicles a camera/thermal detector has been specified.	We request you to please also consider (2D / 4D) RADAR based detectors which are weather resistant considering the terrain of Guwahati and the anticipated high rainfall which might not be suitable for a camera based detection system. RADARs also require very low maintenance. They are being used world over in global projects as well in projects in India.	The vehicle detector shall be 4D Radar / thermal Camera which can cover minimum 4 lanes and upto 130 mts, with high definition for Count, classification and Queue detection of all the vehicles passing through Junction in all day and night conditions. Vehicle detector shall be able to operate with more than 95 % Accuracy in all weather conditions like Fog, Rain and dust storm, road surface temperature without degrading its performance	ITMS		
Vol.2	891	Siemens Limited India	Volume II, Clause 12.7 BOM Sr.No. 1.2.2	295	Countdown timers	For adaptive traffic control systems, it is recommended that Countdown timers are not used as the systems like SCOOT have the ability to change the signal times during the cycle instead of waiting for one cycle to complete. This makes the system more efficient with a faster response to reduce traffic volumes. Further this requirement has not been specified in technical requirements and hence be deleted.	Item mentioned in BOM stands deleted	ITMS		
Vol.2	892	Siemens Limited India	Volume II, Clause 12.7 BOM Sr.No. 1.2.3	295	Vehicle detectors	We request you to please also consider (2D / 4D) RADAR based detectors which are weather resistant considering the terrain of Guwahati and the anticipated high rainfall which might not be suitable for a camera based detection system. RADARs also require very low maintenance. They are being used world over in global projects as well in projects in India.	The vehicle detector shall be 4D Radar / thermal Camera which can cover minimum 4 lanes and upto 130 mts, with high definition for Count, classification and Queue detection of all the vehicles passing through Junction in all day and night conditions. Vehicle detector shall be able to operate with more than 95 % Accuracy in all weather conditions like Fog, Rain and dust storm, road surface temperature without degrading its performance	ITMS		
Vol.2	893	Siemens Limited India	Volume II, Clause 12.7 BOM Sr.No. 1.2.3	295	Junction Autocad drawings	For our design work we shall need to the scale autocad drawings for the junctions. Please confirm you will provide us the drawings. It will not be possible in such small project execution time to create autocad junction drawings which will involve huge cost and time.	Tender conditions shall prevail	ITMS		

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Vol.2	895	Siemens Limited India	Volume II, Clause 12.7 BOM Sr.No. 1.2.3	395	Off line simulation software	Please confirm that use of simulation software shall be offline only. Please confirm scope of offline simulation software is only supply, installation. Please confirm that no simulation studies are in bidder's scope.	Tender conditions shall prevail	ITMS		
Vol.2	896	Siemens Limited India	Volume II, Clause 12.7 BOM Sr.No. 1.2.3	347	The specifications mentioned for various IT / Non-IT components are indicative requirements and should be treated for benchmarking purpose only. SIs are required to undertake their own requirement analysis and may propose higher specifications that are better suited to the requirements.	We refer to this statement under Clause 8.0 and the compliance requested against clause nos. 5.4.1.3 which are in conflict. The clauses describe adaptive traffic control algorithm specific to an OEM's offerings and do not bring out the functional requirement of the Adaptive Traffic Control System. Every OEM has their own algorithms to implement various functional strategies based on their own architecture and benchmarking will not be possible as such. E.g. Distributed v/s centralized system, providing signal time plans v/s providing timings within the cycle are few cases which cannot be benchmarked with each other as the underlying architecture of various OEMs are different.	Vendor may propose the architecture as per the solution maintaining the distributed architecture requirement to ensure Minimised impact on total system when individual components fail.	ITMS		
Vol.2	903	Siemens Limited India	Volume II, Clause 12.7 BOM Sr.No. 1.2.3	24	4. SI shall also get comprehensive insurance from reputed insurance company for the project duration for all the equipment's / components installed under this project. 5. SI shall ensure all the equipment's installed in the outdoor locations are vandal proof and in case the equipment's get damaged /stolen for reasons whatsoever, it shall repair/replace the same in the specified time as per SLAs at no extra cost to the Authority. All such costs shall be factored in the comprehensive insurance of field equipment for the duration of the contract.	Kindly mention that the insurance during Maintenance period will be limited to Spares only.	Tender conditions shall prevail	ITMS		
Vol.2	914	NEC Technologies India Pvt. Ltd	5.4.1.2 Functional Requirements of Adaptive Traffic Signal Control (ATSC)	208	"Composite Signal Control Strategy" application (already proved in Indian environment) or equivalent will be used for optimizing the traffic signal timings.	"Composite Signal Control Strategy" being a proprietary application from CDAC, you are requested to kindly remove this clause and allow fair chance to all the global technologies.	Clause stands deleted	ITMS		
Vol.2	915	NEC Technologies India Pvt. Ltd	Volume 2 4.6.2 Existing Traffic Signal system	23	The infrastructure of existing traffic signal systems including the aspects, controllers etc. will be dismantled and replaced with the new systems which are proposed and required under the scope of this project. The dismantled infrastructure shall be delivered at the GSCL designated location without damage at no extra cost.	As per RFP, dismantling of existing traffic infrastructure and their shifting to designated ware house location should be done at no extra cost. In the RFP details of these existing traffic signals is not available, so details of existing junctions should be included. Also as this activity involves a lot of expenditure in the form of machinery, manpower and transportation while dismantling the items and their shifting to some designated ware house, you are requested to add this whole activity as a separate line item in the Bill of Material.	Tender conditions shall prevail	ITMS		
Vol.2	916	NEC Technologies India Pvt. Ltd	Volume 2 5.4.1.2 Functional Requirements of Adaptive Traffic Signal Control (ATSC)	209	N.XII. Make available the network status and report viewing on Web.	This requirement is contradictory with the specification given on s. no. 27 on page 212 of RFP vol. 2 where it asks "Make available the network status and report viewing on the desktop GUI as per RFP" . Please clarify.	Clause to be read as Make available the network status and report viewing on the operator console	ITMS		

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Vol.2	917	NEC Technologies India Pvt. Ltd	Volume 2 5.4.1.2 Functional Requirement s of Adaptive Traffic Signal Control (ATSC) & 5.4.1.8	209 & 227	O. Pedestrian Actuated Traffic Control Signals at places where a large number of people cross the road with heavy vehicular traffic (near Schools, Hospitals, Shopping Centers, places of worship and similar other establishments). P. The pelican signals shall be installed on two diagonally opposite corners of the Zebra Crossing and shall be supported with facilities for the pedestrians to actuate traffic signal control. 5.4.1.8 Pedestrian / Pelican Traffic Signal Controller	In the RFP Pedestrian/ Pelican Traffic signal controllers are asked for mid block kind of junctions near the hospital, schools etc. but their quantity is not mentioned. Kindly provide the details of pelican junctions and include their quantity with traffic lights,poles etc. in the Bill of Material.	Tender conditions shall prevail	ITMS		
Vol.2	918	NEC Technologies India Pvt. Ltd	Volume 2 5.4.1.2 Functional Requirement s of Adaptive Traffic Signal Control (ATSC)	209	Q. ATSC shall use UG405 or NTCIP or any other standard communication protocol. It should also provide the functionality of integration with on-ground hardware of any thirdparty traffic controller that is UG405 or NTCIP or any other standard communication protocol compliant.	As per RFP Clause "4.6.2 Existing Traffic Signal system" all the existing hardware including traffic lights poles, controller etc. will be dismantled and replaced by the new items. For the ATCS system it needs an ATCS Application and its dedicated type of traffic controller, any other make of traffic controller which is not supported by this ATCS Application can not be controlled through the same. Hence request you to kindly modify the clause as mentioned below: Q. ATSC shall use UG405 or NTCIP or any other standard communication protocol.	Clause to be read as ATSC shall use UG405 or NTCIP or OCIT or any other standard communication protocol. It should also provide the functionality of integration with on-ground hardware of any third-party traffic hardware that is UG405 or NTCIP or any other standard communication protocol compliant.	ITMS		
Vol.2	919	NEC Technologies India Pvt. Ltd	Volume 2 12.7 Bill of Material (BOM) Summary/ 1.2. Adaptive Traffic Signal Control System (Signalization)	395	1.2.2 Countdown timer : Nos 226	In the RFP specifications of Count Down Timers are not given anywhere, secondly count down timers are suitable for Non Adaptive system only where Cycle time and stage time remains constant. But here the system to be deployed is Adaptive in which signal timing will keep on changing based on real time detection data. Request you to kindly remove this item from the Bill of Material.	Item mentioned in BOM stands deleted	ITMS		
Vol.2	920	NEC Technologies India Pvt. Ltd	Volume 2 12.7 Bill of Material (BOM) Summary/ 1.2. Adaptive Traffic Signal Control System (Signalization)	395	1.2.4 Galvanized standard Poles for Traffic Aspects and Pedestrian signals : Nos 452 1.2.6 Traffic Light Aspects – Red : Nos 452 1.2.7 Traffic Light Aspects – Amber : Nos 452 1.2.8 Traffic Light Aspects – Green : Nos 1356 1.2.9 Pedestrian lamp heads – Stop Man : Nos 226 1.2.10 Pedestrian lamp heads – Walk Man : Nos 226	As per the list of Traffic Junctions given in RFP, it is observed that out of 64 ATCS junctions, 33 junctions are Three Arm, 28 junctions are Four Arm and 3 junctions are Five Arm type. So for all these junction types, 1 primary vertical LED Aspect, 1 primary horizontal LED Aspect and 1 secondary LED aspects should be there for vehicles in each arm for better visibility of lights. Also there should be 2 LED aspects for pedestrians on both sides for each arm. Hence the quantity of some items mentioned in the Bill of Material should be modified as given below: 1.2.4 Galvanized standard Poles for Traffic Aspects and Pedestrian signals : Nos 485 1.2.6 Traffic Light Aspects – Red : Nos 678 1.2.7 Traffic Light Aspects – Amber : Nos 678 1.2.8 Traffic Light Aspects – Green : Nos 1737 1.2.9 Pedestrian lamp heads – Stop Man : Nos 452 1.2.10 Pedestrian lamp heads – Walk Man : Nos 452	1.2.4 Galvanized standard Poles for Traffic Aspects and Pedestrian signals : Nos 452 1.2.6 Traffic Light Aspects – Red : Nos 452 1.2.7 Traffic Light Aspects – Amber : Nos 452 1.2.8 Traffic Light Aspects – Green : Nos 1356 1.2.9 Pedestrian lamp heads – Stop Man : Nos 452 1.2.10 Pedestrian lamp heads – Walk Man : Nos 452	ITMS		

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Vol.2	1326	STL - Sterlite Technologies Limited	Vol 2 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.1 Functional Requirement – Traffic Violation Detections System	230 of 400	3. Wrong Lane Driving / Stoppage with ANPR (WLD)	Exact Quantities are not mentioned in Bill of Materiel for the same. Please include add it in SOR BOQ and provide number of lanes for the same.	Tender conditions shall prevail	ITMS		
Vol.2	1327	STL - Sterlite Technologies Limited	Vol 2 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.1 Functional Requirement – Traffic Violation Detections System	230 of 400	e) The system should support Microsoft SQL, MySQL, PostgreSQL and Oracle databases.	Only one type of database is used among these databases with TVDS systems. Hence we request you to kindly amend the clause as "e) The system should support Microsoft SQL/MySQL, PostgreSQL/Oracle databases"	e) The system should support Microsoft SQL/MySQL/ PostgreSQL/Oracle or any standard database.	ITMS		
Vol.2	1328	STL - Sterlite Technologies Limited	Vol 2 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.1 Functional Requirement – Traffic Violation Detections System	230 of 400	g) The ITMS Software should be NABL accredited lab for accuracy	Certificate issued by NABL accredited lab is issued for accuracy of Speed Violation Detection system and not for whole ITMS software. Hence we request you to kindly remove this clause .	NABL Clause stands deleted. Please read the clause as In ITMS, SVD system should have proper test report and certificate (Legal Decree/type approval/homologation). The test reports/certificates should be provided by domestic/international labs who have mandate to provide the same for speed enforcement system. The test reports should be in compliance to OIMLR91, D11 and WELMEC 7.2 norms,	ITMS		NABL does not issue such certificate
Vol.2	1329	STL - Sterlite Technologies Limited	Vol 2 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.1 Functional Requirement – Traffic Violation Detections System	230 of 400	-	Is Speed is required to be captured at junctions?	Speed Violation to be integrated with RLVD for 5 critical accident prone junctions out of the total 64 junctions and MSI should be able to relocate the speed violation part to other junctions if required during the operational period	ITMS		
Vol.2	1330	STL - Sterlite Technologies Limited	Vol 2 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.2 Functional/General Requirements Red Light Violation Detection (RLVD) System	231 of 400	c) The system shall have in-built tool to facilitate the user to compose detail evidence by stitching video clips from any IP camera in the junction (including but not limited to the red- light violation detection camera, evidence camera), and any other surveillance cameras in the vicinity of the spot of incidence. The entire evidence should be watermarked and encrypted to stand the court of law.	Stitching of video clips is considered as tempering of the evidence video clip, which will not be acceptable in the court of law as an acceptable evidence for violation. Hence we request you to kindly amend the clause as : "c) The system shall have in-built tool to facilitate the user to compose detail evidence by RLVD Camera in the junction. The entire evidence should be watermarked and encrypted to stand the court of law."	The system shall have in-built tool to facilitate the user to compose detail evidence by RLVD Camera in the junction. The entire evidence should be watermarked and encrypted to stand the court of law	ITMS		
Vol.2	1331	STL - Sterlite Technologies Limited	Vol 2 5.4.2.4 Functional Requirements of Automatic Number Plate Recognition (ANPR) System	241 of 400	Event Type (e.g. ANPR, Red Light Violation, Speed Violation, etc.)	Speed Violation is a part of Speed Violation Detection System. Hence we request you to kindly remove "Speed Violation" from here.	Tender conditions shall prevail	ITMS		
Vol.2	1332	STL - Sterlite Technologies Limited	Vol 2 5.4.2.6 ANPR HW Requirements	246 of 400	28. Flexible angle adjustment : 30° , 45° , 60° , 90°	ANPR camera has a fixed field of view (i.e. 3.5 mtr in width) and its angle is also kept fixed to capture the number plate with good accuracy. Flexible angle adjustment is useful with surveillance cameras and not for ANPR application. Hence, we request you to kindly amend the clause as : "28. Flexible angle adjustment : as per design "	Flexible angle adjustment : as per OEM requirement for ITMS only	ITMS		

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Vol.2	1333	STL - Sterlite Technologies Limited	Vol 2 5.4.2.1 IR – Illuminator (In case of Separate IR)	246 of 400	3. Beam Angles : 10°, 20°, 30°, 60°, 80°, and 95°	ANPR camera has a fixed field of view (i.e. 3.5 mtr in width) and each lane/ANPR Camera has dedicated IR Illuminator to capture the number plates at night. Since the ANPR camera angle is fixed , Beam angle of IR is also kept fixed to capture the number plate with good accuracy. Multiple Beam angle is useful with surveillance cameras and not for ANPR application. Hence, we request you to kindly make it optional and amend the clause as : "3. Beam Angles : as per design "	Beam Angles : as per OEM requirement for ITMS only	ITMS		
Vol.2	1334	STL - Sterlite Technologies Limited	Vol 2 5.4.2.1 IR – Illuminator (In case of Separate IR)	247 of 400	8. Standards: UL, CE, FCC, EN	Since, this is an OEM specific requirement and preferring single OEM, hence, we request you to kindly amend this clause as "8. Standards: UL/CE/FCC/EN"	8. Standards: UL/CE/FCC/EN along with Eye Safety Certificate for ITMS only	ITMS		
Vol.2	1335	STL - Sterlite Technologies Limited	Vol 2 5.4.2.1 IR – Illuminator (In case of Separate IR)	247 of 400	9. Approved Makes: The Camera and IR Illuminator shall be of the same make	This clause is OEM specific kindly amend as " Approved Makes: The Camera and IR Illuminator shall be of the same/different make"	For ITMS applications and solutions this clause stands deleted. For all other applications tender conditions shall prevail	ITMS		
Vol.2	1336	STL - Sterlite Technologies Limited	Vol 2 5.4.3 Speed Violation Detection System (SVD) 5.4.3.1 Speed Violation Detection System (SVD)- General Requirements 5.4.3.2 Speed Violation Detection System Requirements:	248-257 of 400	Technology : 4D Object Tracking (Range, Angle, Speed, Time) with UHD Resolution, independent discrimination multiple targets at same speed and same range	->Tender has been designed on 4D RADAR technology which is available with only One single foreign OEM. Proven technology based on Video based system has been barred here, which is also much cost effective as compared to 4D RADAR technology. There are more that 25 Smart Cities/ ITMS projects successfully deployed on Video based system, which has been kept out of this RFP There are hardly any successful 4D HD RADAR based ITMS system implementation in India and wherever they have been deployed, are facing legal hurdles due to sanctity of their challaning The RFP is also against "Make in India" regulations and Ministry of Commerce & Industry circular no. D.O. No. P- 45021/12/2017-Public Procurement (BE-II) dated December 18, 2017 which states that "no specifications should be mentioned in public tenders which is barring Indian OEM to participate". Irrelevant specifications such as "Vehicle Detection at a speed of 300 Kmph is mentioned, which is not at all possible in the Indian Roads. In fact, there would hardly be any vehicle in Moradabad, whci can run at such speeds. Also, the proposed RADAR based system has its own challenges and not successful in city scenario. Same has been highlighted in OIML guidelines. Above point states that that radar should be calibrated by using a video based system, which is not being installed here. Hence we hereby request you to kindly revisit the specifications and allow Video based Speed violation Detection technology as well for detection of Speed. For your convenience, Speed Violation Detection system with Video	Tender conditions shall prevail	ITMS		

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Vol.2	1439	BSNL	5.4.1.2 Functional Requirements of Adaptive Traffic Signal Control (ATSC)	208	"Composite Signal Control Strategy" application (already proved in Indian environment) or equivalent will be used for optimizing the traffic signal timings.	"Composite Signal Control Strategy" being a proprietary application from CDAC, you are requested to kindly remove this clause and allow fare chance to all the global technologies.	Clause stands deleted	ITMS		
Vol.2	1440	BSNL	Volume 2 4.6.2 Existing Traffic Signal system	23	The infrastructure of existing traffic signal systems including the aspects, controllers etc. will be dismantled and replaced with the new systems which are proposed and required under the scope of this project. The dismantled infrastructure shall be delivered at the GSCL designated location without damage at no extra cost.	As per RFP, dismantling of existing traffic infrastructure and their shifting to designated ware house location should be done at no extra cost. In the RFP details of these existing traffic signals is not available, so details of existing junctions should be included. Also as this activity involves a lot of expenditure in the form of machinery, manpower and transportation while dismantling the items and their shifting to some designated ware house, you are requested to add this whole activity as a separate line item in the Bill of Material.	Tender conditions shall prevail	ITMS		
Vol.2	1441	BSNL	Volume 2 5.4.1.2 Functional Requirements of Adaptive Traffic Signal Control (ATSC)	209	N.XII. Make available the network status and report viewing on Web.	This requirement is contradictory with the specification given on s. no. 27 on page 212 of RFP vol. 2 where it asks "Make available the network status and report viewing on the desktop GUI as per RFP". Please clarify.	Clause to be read as Make available the network status and report viewing on the operator console	ITMS		
Vol.2	1442	BSNL	Volume 2 5.4.1.2 Functional Requirements of Adaptive Traffic Signal Control (ATSC) & 5.4.1.8	209 & 227	O. Pedestrian Actuated Traffic Control Signals at places where a large number of people cross the road with heavy vehicular traffic (near Schools, Hospitals, Shopping Centers, places of worship and similar other establishments). P. The pelican signals shall be installed on two diagonally opposite corners of the Zebra Crossing and shall be supported with facilities for the pedestrians to actuate traffic signal control. 5.4.1.8 Pedestrian / Pelican Traffic Signal Controller	In the RFP Pedestrian/ Pelican Traffic signal controllers are asked for mid block kind of junctions near the hospital, schools etc. but their quantity is not mentioned. Kindly provide the details of pelican junctions and include their quantity with traffic lights, poles etc. in the Bill of Material.	Tender conditions shall prevail	ITMS		
Vol.2	1443	BSNL	Volume 2 5.4.1.2 Functional Requirements of Adaptive Traffic Signal Control (ATSC)	209	Q. ATSC shall use UG405 or NTCIP or any other standard communication protocol. It should also provide the functionality of integration with on-ground hardware of any thirdparty traffic controller that is UG405 or NTCIP or any other standard communication protocol compliant.	As per RFP Clause "4.6.2 Existing Traffic Signal system" all the existing hardware including traffic lights poles, controller etc. will be dismantled and replaced by the new items. For the ATCS system it needs an ATCS Application and its dedicated type of traffic controller, any other make of traffic controller which is not supported by this ATCS Application can not be controlled through the same. Hence request you to kindly modify the clause as mentioned below: Q. ATSC shall use UG405 or NTCIP or any other standard communication protocol.	Clause to be read as Q. ATSC shall use UG405 or NTCIP or OCIT or any other standard communication protocol. It should also provide the functionality of integration with on-ground hardware of any third-party traffic hardware that is UG405 or NTCIP or any other standard communication protocol compliant.	ITMS		
Vol.2	1444	BSNL	Volume 2 12.7 Bill of Material (BOM) Summary/ 1.2. Adaptive Traffic Signal Control System (Signalization)	395	1.2.2 Countdown timer : Nos 226	In the RFP specifications of Count Down Timers are not given anywhere, secondly count down timers are suitable for Non Adaptive system only where Cycle time and stage time remains constant. But here the system to be deployed is Adaptive in which signal timing will keep on changing based on real time detection data. Request you to kindly remove this item from the Bill of Material.	Item mentioned in BOM stands deleted	ITMS		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	1445	BSNL	Volume 2 12.7 Bill of Material (BOM) Summary/ 1.2. Adaptive Traffic Signal Control System (Signalization)	395	1.2.4 Galvanized standard Poles for Traffic Aspects and Pedestrian signals : Nos 452 1.2.6 Traffic Light Aspects – Red : Nos 452 1.2.7 Traffic Light Aspects – Amber : Nos 452 1.2.8 Traffic Light Aspects – Green : Nos 1356 1.2.9 Pedestrian lamp heads – Stop Man : Nos 226 1.2.10 Pedestrian lamp heads – Walk Man : Nos 226	As per the list of Traffic Junctions given in RFP, it is observed that out of 64 ATCS junctions, 33 junctions are Three Arm, 28 junctions are Four Arm and 3 junctions are Five Arm type. So for all these junction types, 1 primary vertical LED Aspect, 1 primary horizontal LED Aspect and 1 secondary LED aspects should be there for vehicles in each arm for better visibility of lights. Also there should be 2 LED aspects for pedestrians on both sides for each arm. Hence the quantity of some items mentioned in the Bill of Material should be modified as given below: 1.2.4 Galvanized standard Poles for Traffic Aspects and Pedestrian signals : Nos 485 1.2.6 Traffic Light Aspects – Red : Nos 678 1.2.7 Traffic Light Aspects – Amber : Nos 678 1.2.8 Traffic Light Aspects – Green : Nos 1737 1.2.9 Pedestrian lamp heads – Stop Man : Nos 452 1.2.10 Pedestrian lamp heads – Walk Man : Nos 452	1.2.4 Galvanized standard Poles for Traffic Aspects and Pedestrian signals : Nos 452 1.2.6 Traffic Light Aspects – Red : Nos 452 1.2.7 Traffic Light Aspects – Amber : Nos 452 1.2.8 Traffic Light Aspects – Green : Nos 1356 1.2.9 Pedestrian lamp heads – Stop Man : Nos 452 1.2.10 Pedestrian lamp heads – Walk Man : Nos 452	ITMS		
Vol.2	1712	Inspira Enterprise	RFP VOL II Section 5.4.2.6 ANPR HW Requirements	244	6. Minimum Illumination: 0.001Lux @ (F1.2, AGC ON), 0.0014Lux @ (F1.4, AGC ON), 0 Lux at IR ON	Request you to consider to change this clause " Color 0.5Lux . The mentioned illumination restricting to participate other OEMs. This is available with all leading OEMs and will help to participate others OEM.	Clause to be read as for ANPR & RLVD , 6. Minimum Illumination: mono 0.001Lux @ (F1.2, AGC ON), color 0.0014Lux @ (F1.2, AGC ON), 0 Lux at IR ON	ITMS		
Vol.2	1713	Inspira Enterprise	RFP VOL II Section 5.4.3.7 Speed Detection Camera Specifications	254	1. Image sensor and Effective Pixels (Resolution): 1" or higher, CMOS, Global Shutter, Minimum 9 MP, 4096(H) x 2160(V)	Request you to amend this clause "Image sensor 1/2" or better CMOS GLOBAL Shutter ,Minimum 3MP Camera . Because in 9MP Global shutter Camera is not available. So Please consider it.	Tender conditions shall prevail	ITMS		
Vol.2	1714	Inspira Enterprise	RFP VOL II Section 5.4.3.7 Speed Detection Camera Specifications	254	4. Fixed Focal Length Lens: 25, 35, 50mm option to suit application. Lens must focus visible.	Request you to amend this clause 12-40 mm lens or better , which is meant for SVD & ANPR application .	4. Fixed Focal Length Lens: 12-50mm option to suit application. Lens must focus visible.	ITMS		
Vol.2	1715	Inspira Enterprise	RFP VOL II Section 5.4 COMPONENT 4 – INTEGRATED TRAFFIC MANAGEMENT SYSTEM (ITMS)	206	Additional Component: ITMS platform	Requesting you to kindly include the ITMS platform as well as it will eliminate the need of operating individual ITS components (such as ATCS, RLVD, ANPR, etc.) from individual applications. Police can also operate and manage from this platform.	Tender conditions shall prevail	ITMS		
Vol.2	1716	Inspira Enterprise	RFP VOL II Section 5.4.1.2 Functional Requirements of Adaptive Traffic Signal Control (ATSC)	208	J. "Composite Signal Control Strategy" application (already proved in Indian environment) or equivalent will be used for optimizing the traffic signal timings.	Requesting you to change the clause to: The dynamic traffic signal control algorithm having model based optimiser which are already implement in Indian conditions shall be used for optimizing the traffic signal timings. Justification: Model based optimisation is the advanced technology which will use the data available and generate more efficient outcomes with simulation & prediction tightly merger with it.	This clause stands deleted	ITMS		This clause should be deleted as it's a proprietary to C-DAC and it will debar non C-DAC technologies to participate in the bid which may be better solution to address traffic management than the proprietary C-DAC solution

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Vol.2	1717	Inspira Enterprise	RFP VOL II Section 5.4.1.2 Functional Requirements of Adaptive Traffic Signal Control (ATSC)	208	G. Camera based vehicle detectors to assist operation of traffic signal controller and generate counts, demands and extensions for right-of-way for identifying optimal signal timings.	<u>Requesting you to modify the clause to:</u> G. Thermal camera based vehicle detectors to assist operation of traffic signal controller and generate classified counts, demands and extensions for right-of-way for identifying optimal signal timings. Justification: The thermal detectors will work better considering Guwahati experience significant rains and fog.	Tender condition shall prevail	ITMS		
Vol.2	1718	Inspira Enterprise	RFP VOL II Section 5.4.1.3 ATSC Software Application	210	Additional Clause:	<u>Requesting you to kindly add the following clause :</u> The ATCS system shall use Machine Learning based prediction modelling which shall have the ability to predict, forecast and smartly manage the traffic pattern at each junction over the next few minutes, hours or 3-5 days and just in the current real time on the central ATCS server. The models shall be calibrated once the system stabilizes after a duration of 2-3 months after the deployment. The prediction function shall use a network model resulting in consistent flows across a group of junctions. Justification: ML will improve optimisation efficiency of the system and help devising better strategies for controlling traffic by forecasting demands.	Tender condition shall prevail	ITMS		
Vol.2	1719	Inspira Enterprise	RFP VOL II Section 5.4.1.3 ATSC Software Application	210	Additional Clause:	The proposed ATCS application shall have capabilities to optimise traffic signals on the basis of online travel time data such as Google, TomTom as well. The ATCS system shall fuse data from all available sources such as ANPR, Google, Detectors, etc. and use it for optimisation. The network model shall be calibrated by using multiple data sets.	Tender condition shall prevail	ITMS		
Vol.2	1720	Inspira Enterprise	RFP VOL II Section 5.4.1.3 ATSC Software Application	210	Additional Clause:	<u>Requesting you to add this clause:</u> Optimization mode - strategic: The system shall have a short term traffic state prediction model which continually estimates the state of the network, in terms of traffic flows and travel times. The traffic flows and travel times are to be input into an offline microscopic traffic flow simulation model. If significant changes in the network state are observed, traffic engineers shall be able to run simulation models to perform what-if analysis on pre-defined traffic management strategies. The controller shall send the classified counts to the ATCS application in order to enable this functionality. Justification: The model based optimisation would result in better system efficiency as compare to the heuristic one.	Tender condition shall prevail	ITMS		

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Vol.2	1721	Inspira Enterprise	RFP VOL II Section 5.4.1.3 ATSC Software Application	210	Additional Clause:	<p><u>Requesting you to kindly add the following clause:</u> Simulation Model: The adaptive traffic control system shall be provided with a simulation model based real time traffic flow modelling capability with the capacity to calculate traffic flows, OD movements, and queues and turning movement along entire primary road transport network in the defined study area covering the ATCS junctions and beyond.</p> <p>-The simulation software shall assist evaluating potential traffic control strategies in case of any anomalies and identify the appropriate strategies for the traffic control.</p> <p>- Calibrated traffic simulation models for AM peak, PM peak, inter-peak and off-peak for weekdays and peak and off-peak for Saturday & Sundays covering all the ATCS junctions shall be provided</p> <p>-Shall have the ability to predict, forecast and estimate the traffic pattern across the signals over the near-term future (e.g T+5, T+10, T+15, T+30 mins ... T + 1 hour). It shall also use machine learning for better accuracies.</p> <p>Justification: New clause as per city requirements. This would enable the enhanced system to use machine learning based prediction along with the validations.</p>	Tender condition shall prevail	ITMS		
Vol.2	1722	Inspira Enterprise	RFP VOL II Section 5.4.1.3 ATSC Software Application	210	Additional Clause:	<p><u>Requesting you to kindly add the following clause :</u> Even if one or multiple cameras fail, information from nearby signals, from the cameras that continue to function (and there is some overlap), and from previously generated statistics is used to continue adaptivity; till the fault is corrected</p> <p>Justification: For better performance</p>	Tender condition shall prevail	ITMS		
Vol.2	1723	Inspira Enterprise	RFP VOL II Section 5.4.1.3 ATSC Software Application	210	Additional Clause:	<p><u>Requesting you to add this clause:</u> The system shall be provided with network model based optimiser which uses a combination of a network-wide online traffic simulation model and an AI-based optimisation engine to determine optimal signal timings in order to minimise the overall delay incurred by vehicles and to maximise vehicle throughput.</p> <p>Justification: Model based optimisation is the most advanced kind of optimisation which looks at the entire network holistically and drive best possible outcomes for the system.</p>	Tender condition shall prevail	ITMS		

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Vol.2	1724	Inspira Enterprise	RFP VOL II Section 5.4.1.3 ATSC Software Application	210	Additional Clause:	Gating: A few junctions in a road network are critical due to simultaneous high demand for conflicting traffic streams. Congestion at these junctions is higher than other junctions where high demand exists only for fewer traffic streams and the available green time can be redistributed to mitigate congestion to some extent. This leads to a severe queue build up at critical junctions. Gating is a strategy that artificially reduces the capacity of traffic signals at junctions upstream of the critical junction using traffic signals such that that queues are re-distributed across multiple junctions thereby reducing the total delay across junctions for critical traffic streams. The proposed ATCS system shall have the capability to optimise signal timings at a group of junctions incorporating gating. Specifically, the user shall be able to select the upstream junctions where the queues are to be relocated based on available storage capacity and the system should be able to determine optimal signal timings at those junctions to implement gating. Justification: Gating will assist in optimizing traffic at critical junctions & will lead to better network performance	Tender condition shall prevail	ITMS		
Vol.2	1725	Inspira Enterprise	RFP VOL II Section 5.4.1.3 ATSC Software Application	212 - 213	Serial no.s are missing	Sl. No 18, 30, 32, 33, clause is missing or left behind intentionally?	Tender condition shall prevail	ITMS		
Vol.2	1726	Inspira Enterprise	RFP VOL II Section 5.4.1.3 ATSC Software Application	212	29. It shall be possible to interface the ATSC with a popular microscopic traffic flow simulation software for pre and post implementation analysis and study of the proposed ATSC control strategy	<u>Request you to modify the clause to:</u> The application shall interface with a popular microscopic traffic flow simulation software for pre and post implementation analysis which shall be based on real time traffic flow modelling capability with the capacity to calculate traffic flows, OD movements and turning movements along entire primary road transport network. In addition, the simulation should interface with an offline instance of the ATCS system in order to carry out what-if analyses of traffic control strategies. The system should be able to provide an estimate of a Performance Index of the chosen strategy versus alternative strategies. The simulation model along with ATCS shall thus assist the traffic engineers / police to identify the best possible strategy in planning for any unusual / unprecedented event. Justification: The online simulation model will assist traffic police/operators to visualise the on-ground issues better and act pro-actively by evaluating multiple strategies.	Tender condition shall prevail	ITMS		
Vol.2	1727	Inspira Enterprise	RFP VOL II Section 5.4.1.4 Traffic Signal Controller Vehicle Actuation with Fixed Cycle Length:	219	Vehicle Actuation with Fixed Cycle Length: 11) In this stage, the traffic signal controller shall execute stage timing as per demand from video-based vehicle detector within the constraints of Minimum Green, Maximum Green running period for the stage and Cycle time shall be maintained constant during a given time slot.	Requesting you to modify this clause to: In this stage, the traffic signal controller shall execute stage timing as per demand from thermal-based vehicle detector within the constraints of Minimum Green, Maximum Green running period for the stage and Cycle time shall be maintained constant during a given time slot.	Tender condition shall prevail	ITMS		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	1728	Inspira Enterprise	RFP VOL II Section 5.4.1.4 Traffic Signal Controller Technical Specifications of Traffic Controller	221	d) 32bit processor with 2 MB or more flash as nonvolatile storage, 256 KB or more as RAM, with a provision of adding minimum 32 GB through an external SD Card/USB.	Requesting you to change the clause to: d) 64bit processor with 16GB or more nonvolatile storage, 2 GB or more as RAM, with a provision of additional storage of minimum 32 GB via sd card/USB. Justification: The more RAM and memory will assist in processing the detailed traffic data generated by detectors and perform advanced optimisation such as queue based optimisation, running local algorithms such as bus priority and compensation, etc.	Tender condition shall prevail	ITMS		
Vol.2	1729	Inspira Enterprise	RFP VOL II Section 5.4.1.4 Traffic Signal Controller Technical Specifications of Traffic Controller	221	g) Controller clock frequency of min of 100MHz	Requesting you to change the clause to: g) Controller clock frequency of min of 800MHz Justification: This would enable to controller to run faster and process more data and complex logic quickly resulting in enabling of AI based optimisation	Tender condition shall prevail	ITMS		
Vol.2	1730	Inspira Enterprise	RFP VOL II Section 5.4.1.4 Traffic Signal Controller Technical Specifications of Traffic Controller	222	15. Standards compliance: EN 50556/AS/NZS	Requesting you to kindly remove this clause Justification: These are European certifications and no Indian traffic signal manufacturer has this certification. Having this requirement will mean that only foreign technology qualifies for this tender. Given the Central Government's "Atma Nirbhar" policy, this clause should be removed so that reputed Indian manufacturers and OEMs become eligible.	Standards compliance: EN 50556 or equivalent ISO 9001:1994 for design & servicing. EN 55024:2010 60950 61000-3-3 or equivalent for voltage fluctuations, or equivalent Safety Integrity Level SIL3 with certificate IEC 60068 for environmental protection EN 12675for functional safety,	ITMS	New Zealand / Australia be removed	
Vol.2	1731	Inspira Enterprise	RFP VOL II Section 5.4.1.4 Traffic Signal Controller Technical Specifications of Traffic Controller	222	15. Standards compliance: ISO 9001:1994 for design & servicing.	Requesting you to add this clause: ISO 9001:1994 or ISO 9001:2015 shall be allowed Justification: Latest ISO certificates shall also be accepted.	Standards compliance: EN 50556 or equivalent ISO 9001:1994 for design & servicing. EN 55024:2010 60950 61000-3-3 or equivalent for voltage fluctuations, or equivalent Safety Integrity Level SIL3 with certificate IEC 60068 for environmental protection EN 12675for functional safety,	ITMS		
Vol.2	1732	Inspira Enterprise	RFP VOL II Section 5.4.1.4 Traffic Signal Controller Technical Specifications of Traffic Controller	222	15. Standards compliance: EN 12675/IEC 60068 for functional safety,	Requesting you to kindly remove this clause Justification: These are European certifications and no Indian traffic signal manufacturer has this certification. Having this requirement will mean that only foreign technology qualifies for this tender. Given the Central Government's "Atma Nirbhar" policy, this clause should be removed so that reputed Indian manufacturers and OEMs become eligible.	Standards compliance: EN 50556 or equivalent ISO 9001:1994 for design & servicing. EN 55024:2010 60950 61000-3-3 or equivalent for voltage fluctuations, or equivalent Safety Integrity Level SIL3 with certificate IEC 60068 for environmental protection EN 12675for functional safety,	ITMS		
Vol.2	1733	Inspira Enterprise	RFP VOL II Section 5.4.1.4 Traffic Signal Controller Technical Specifications of Traffic Controller	222	15. Standards compliance: # EN 55024:2010 & AS/NZS 60950/BS EN # 61000-3-3 or equivalent for voltage fluctuations, or equivalent	Requesting you to kindly remove this clause Justification: These are European certifications and no Indian traffic signal manufacturer has this certification. Having this requirement will mean that only foreign technology qualifies for this tender. Given the Central Government's "Atma Nirbhar" policy, this clause should be removed so that reputed Indian manufacturers and OEMs become eligible.	Standards compliance: EN 50556 or equivalent ISO 9001:1994 for design & servicing. EN 55024:2010 60950 61000-3-3 or equivalent for voltage fluctuations, or equivalent Safety Integrity Level SIL3 with certificate IEC 60068 for environmental protection EN 12675for functional safety,	ITMS		

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Vol.2	1734	Inspira Enterprise	RFP VOL II Section 5.4.1.4 Traffic Signal Controller Technical Specifications of Traffic Controller	222	17. Number of signal head outputs: minimum 72 or as required	<u>Requesting you to kindly modify the clause to:</u> Number of signal head outputs: minimum 32 and extendable upto 72 (if needed) Justification: For most of the junctions upto even 5 arms don't need more than 32 signal head outputs, however we would still propose you to have 72 as an option to accommodate BRTS signals if introduced in future. Having more outputs than that is unnecessarily wastage of the funds.	Number of signal head outputs: minimum 36 or higher as per site requirement	ITMS		This is suggested to optimize the hardware and power requirement at each junction and thereby get a cost optimization per junction
Vol.2	1735	Inspira Enterprise	RFP VOL II Section 5.4.1.4 Traffic Signal Controller Technical Specifications of Traffic Controller	222	20. Number of detector inputs: min 16	<u>Requesting you to kindly modify the clause to:</u> Communication with detector: Shall be able to take detailed traffic data from detectors via ethernet over TCP/IP or using RS232 or RS484 port. Justification: The I/O based detection input is an obsolete way of taking data from detectors. It can only support vehicle presence data however the advanced detectors suggested in the RFP will be able to share the detailed traffic data via ethernet or other modern modes of communication.	Tender conditions shall prevail	ITMS		
Vol.2	1736	Inspira Enterprise	RFP VOL II Section 5.4.1.4 Traffic Signal Controller Technical Specifications of Traffic Controller	223	24. Controller clock frequency of min of 100MHz.	<u>Requesting you to kindly modify the clause to:</u> Controller clock frequency of min of 800MHz Justification: This would enable to controller to run faster and process more data and complex logic quickly resulting in enabling of AI based optimisation*	Tender conditions shall prevail	ITMS		
Vol.2	1737	Inspira Enterprise	RFP VOL II Section 5.4.1.4 Traffic Signal Controller Technical Specifications of Traffic Controller	223	27. Temperature range: 0 – 70 deg. C	<u>Requesting you to kindly modify the clause to:</u> Temperature range: 0 – 60 deg. C Justification: The temperature in Guwahati are in these range itself. Hence the solution shall be able to work in local conditions.	27. Temperature range: 0 – 60 deg. C	ITMS		
Vol.2	1738	Inspira Enterprise	RFP VOL II Section 5.4.1.5 Camera /Thermal Vehicle Detector	223	5.4.1.5 Camera /Thermal Vehicle Detector	<u>Requesting you to modify this clause to:</u> Thermal Vehicle Detector Justification: The thermal detectors will work better considering Guwahati experience significant rains and fog.	Tender condition shall prevail	ITMS		
Vol.2	1739	Inspira Enterprise	RFP VOL II Section 5.4.1.5 Camera /Thermal Vehicle Detector	223	4. Vehicle Detector camera should look at approaching traffic and should work in FOG and dirt on sensor should not impact performance	<u>Requesting you to modify this clause to:</u> Thermal Vehicle Detector should look at approaching traffic and should work in FOG and dirt on sensor should not impact performance Justification: The thermal detectors will work better considering Guwahati experience significant rains and fog. Video detectors efficiencies drop significantly during rain and fog & in nights.	Solution shall work as per Guwahati weather condition	ITMS		
Vol.2	1740	Inspira Enterprise	RFP VOL II Section 5.4.1.7 Automatic Traffic Counting and Classification System (ATCC) – Video / Thermal	225	5.4.1.7 Automatic Traffic Counting and Classification System (ATCC) – Video / Thermal	<u>Requesting you to modify this clause to:</u> 5.4.1.7 Automatic Traffic Counting and Classification System (ATCC) – Thermal Justification: The thermal detectors will work better considering Guwahati experience significant rains and fog. Video detectors efficiencies drop significantly during rain and fog & in nights.	Solution shall work as per Guwahati weather condition	ITMS		

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Vol.2	1741	Inspira Enterprise	RFP VOL II Section 5.4.1.7 Automatic Traffic Counting and Classification System (ATCC) – Video / Thermal	225	7. The ATCC System shall use video based non-intrusive technology for counting and classifying the vehicles in a real- time under live traffic conditions.	Requesting you to modify this clause to: The ATCC System shall use thermal based non-intrusive technology for counting and classifying the vehicles in a real- time under live traffic conditions. Justification: he thermal detectors will work better considering Guwahati experience significant rains and fog.	5.4.1.7 Automatic Traffic Counting and Classification System (ATCC) –Thermal/ Radar and system shall work as per Guwahati weather conditions 24x7	ITMS		
Vol.2	1742	Inspira Enterprise	RFP VOL II Section 5.4.1.7 Automatic Traffic Counting and Classification System (ATCC) – Video / Thermal	226	18. ATCC shall be able to process simultaneously at least 100 vehicles and parallel passages of the vehicles at that location at a given point of time and provide queue length estimation for minimum 85 meters	Requesting you to modify this clause to: ATCC shall be able to process simultaneously at least 100 vehicles and parallel passages of the vehicles at that location at a given point of time and provide queue length estimation for minimum 65-70 meters Justification: The typical queues at junction are within 40-50 meters and information of that is sufficient for optimisation. The longer queue length estimates will not be accurate due to occlusion and other visual issues. It also goes against the below clause of queue lengths of 50m.	Tender condition shall prevail	ITMS		
Vol.2	1743	Inspira Enterprise	RFP VOL II Section 5.4.1.2 Functional Requirements of Adaptive Traffic Signal Control (ATSC)	209	P. The pelican signals shall be installed on two diagonally opposite corners of the Zebra Crossing and shall be supported with facilities for the pedestrians to actuate traffic signal control.	There is no location specified for pelican signals separately. Neither are they included in BoQ or price bid. Requesting you to clarify whether they are in scope or not. If yes then please define the locations along with associated quantities.	Tender condition shall prevail	ITMS		
Vol.2	1744	Inspira Enterprise	RFP VOL II Section 12.7 Bill of Material (BOM) Summary SI No 1.2.14	395	Off Line Simulation Solution	Requesting you to kindly modify this clause: Offline and online simulation solution Justification: The online simulation would enable model based optimiser and enhance the system performance.	Tender condition shall prevail	ITMS		
Vol.2	1861	VIVOTEK INC.	Volume 2 , 5.4.2.6 ANPR HW Requirements	Page No.244	SR(6)Minimum Illumination:0.001Lux @ (F1.2, AGC ON), 0.0014Lux @ (F1.4, AGC ON), 0 Lux at IR ON	Request you to consider to change this clause " Color 0.5Lux . The mentioned illumination restricting to participate other OEMs. This is available with all leading OEMs and will help to participate others OEM.	Clause to be read as for ANPR & RLVD , 6. Minimum Illumination: mono 0.001Lux @ (F1.2, AGC ON), color 0.0014Lux @ (F1.2, AGC ON), 0 Lux at IR ON	ITMS		
Vol.2	1862	VIVOTEK INC.	Volume 2 ,5.4.3.7 Speed Detection Camera Specifications	Page No.254	SR.(1)Image sensor and Effective Pixels (Resolution):-1" or higher, CMOS, Global Shutter, Minimum 9 MP, 4096(H) x 2160(V)	Request you to amend this clause "Image sensor 1/2" or better CMOS GLOBAL Shutter ,Minimum 3MP Camera . Because in 9MP Global shutter Camera is not available. So Please consider it.	As per RFP, Bidder can purpose better	ITMS		
Vol.2	1863	VIVOTEK INC.	Volume 2 ,5.4.3.7 Speed Detection Camera Specifications	Page No. 254	SR(4)Fixed Focal Length Lens:25, 35, 50mm option to suit application. Lens must focus visible.	Request you to amend this clause 12-40 mm lens or better , which is meant for SVD & ANPR application .	4. Fixed Focal Length Lens: 12-50mm option to suit application. Lens must focus visible.	ITMS		
Vol.2	1864	VIVOTEK INC.	Volume 2 5.4.2.7 IR – Illuminator)	Page No. 246	SR(3) Beam Angle -10°, 20°, 30°, 60°, 80°, and 95°.	Request you to amend "this clause 20° 40 "which is meant for SVD & ANPR application .Request you to consider it .	Beam Angles : as per OEM requirement for ITMS only	ITMS		
Vol.2	2023	Brij Systems Limited	Page 210, 5.4.1.3 ATSC Software Application	Page 210, 5.4.1.3 ATSC Software Application	The system shall have a distributed architecture of subsystems and structured so that signalized junctions can be appropriately grouped into sub-areas or sub- systems (minimum 2 and up to 250). Sub-areas are to be controlled by a regional computer.	This requirement is SCATS (Sydney Coordinated Adaptive Traffic System) specific. Such architectural requirement is not needed for ATCS solutions used in India like CoSoCoSt & SCOOT . Request, please amend this clause - The system shall have a distributed architecture so that signalized junctions can be appropriately grouped into Corridors.	The system shall have a distributed architecture of sub- systems so that signalized junctions can be appropriately grouped into sub-areas or Corridors (min 2 and upto 255 controllers) Initially to be designed for 100 Junctions and scalable to 256 Junctions Min 25 users should be able to connect to the central ATSC system and controlling with varying levels of security and access at the same time.The proposed ATSC system shall be scalable to include any additional junctions in the future	ITMS		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	2024	Brij Systems Limited	Page 210, 5.4.1.3 ATSC Software Application	Page 210, 5.4.1.3 ATSC Software Application	Up to 100 users should be able to connect to the central ATSC system and up to 30 users to regional computer controlling sub- systems with varying levels of security and access at the same time the proposed ATSC system shall be scalable to include any additional junctions in the future.	This requirement is again SCATS specific , Most of the ATCS systems do not use Regional computers so there is no requirement of 100 USERS for ATCS application. More user licencenses will increase the extra cost of ATCS application software.	Min 25 users should be able to connect to the central ATSC system and controlling with varying levels of security and access at the same time.The proposed ATSC system shall be scalable to include any additional junctions in the future	ITMS		
Vol.2	2025	Brij Systems Limited	Page 212 5.4.1.3 ATSC Software Application	Page 212 5.4.1.3 ATSC Software Application	When a link is established between two subsystems, the cycle generator of the subsystem linking is speeded up or slowed down (i.e. the cycle time of the subsystem is increased or decreased) until the specified relationship between the two subsystems is achieved. If a junction in a subsystem is required to change its grouping frequently depending on traffic conditions, it should be dynamically linked or delinked with other subsystems.	Requirement seems to SCATS specific , Comosite Signal Control stretegy as mentioend in RFP do not use regional Computers. AS mentioned in RFP 5.4.1.2 Functional Requirements of Adaptive Traffic Signal Control (ATSC) PAGE NO 208. This clause should be deleted because CoSiCoSt do not use this term	Tender clause stands deleted	ITMS		
Vol.2	2026	Brij Systems Limited	Page 222 5.4.1.4 Traffic Signal Controller, Technical specification of controllers	Page 222 5.4.1.4 Traffic Signal Controller, Technical specification of controllers	d) 32bit processor with 2 MB or more flash as nonvolatile storage, 256 KB or more as RAM, with a provision of adding minimum 32 GB through an external SD Card/USB	processor with 512 K flash and 128 K RAM, There is No requirement of additional SD cards where controller is connected to control room.	Tender onditions shall prevail	ITMS		
Vol.2	2027	Brij Systems Limited	Page 222 5.4.1.4 Traffic Signal Controller, Technical specification of controllers	Page 222 5.4.1.4 Traffic Signal Controller, Technical specification of controllers	The Traffic Signal Controller equipment should be 64-bit micro controller solid state traffic signal lamp switching module with the ability to program any combination of traffic signal stages, phases, and junction groups with conflict monitoring facility.	The Traffic Signal Controller equipment should be 32/64-bit as mentioned in pint no 2. there is contradiction in point no 2 and 10.	The Traffic Signal Controller equipment should be 32/64-bit micro controller solid state traffic signal lamp switching module with the ability to program any combination of traffic signal stages, phases, and junction groups with conflict monitoring facility.	ITMS		
Vol.2	2028	Brij Systems Limited	Page 224 5.4.1.6 Traffic Light Aspects	Page 224 5.4.1.6 Traffic Light Aspects	Operating Temperature Range: As per NOIDA weather conditions Turn Off/Turn ON Time: 75 milli seconds max	Noida Weather condition is different from Guwahati and this clause may please be removed	Operating Temperature Range: As per Guwahati weather conditions Turn Off/Turn ON Time: 75 milli seconds max	ITMS		
Vol.2		Brij Systems Limited	Page 225 5.4.1.7 Automatic Traffic Counting and Classification System (ATCC) - Video / Thermal	Page 225 5.4.1.7 Automatic Traffic Counting and Classification System (ATCC) - Video / Thermal	The ATCC system shall be deployed on city road primarily on city's entry, exit and at major points of intersection in NOIDA, the objective of the sub- system is to collect traffic data at major points.	Please provide the Quantity and Location of ATCC in BoQ , and Requiremnt should be the city of Guwahati instead of NOIDA	The ATCC system shall be deployed on city road primarily on city's entry, exit point and other major points where other systems are not covered Guwahati.	ITMS		

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Vol.2	2054	Trafitek Solutions Private Limited (2nd set)	RFP Vol 2 5.4.1.3 ATSC Software Application	210	Identify the critical junction of a corridor or a region based on maximum traffic demand and saturation. For this purpose, identify the vehicles standing in the queue on the junction based on their presence on stop line using vehicle detectors and then optimize its timing to reduce the queue formation by capturing required data from Vehicle Detectors for ATSC functionality.	Identify the critical junction of a corridor or a region based on maximum traffic demand and saturation. For this purpose, it should utilize the data of vehicle detector required for ATSC operation. Detectors see all traffic in a deep and wide field of view to capture required data for ATSC functionality	Tender condition shall prevail	ITMS		
Vol.2	2055	Trafitek Solutions Private Limited (2nd set)	RFP Vol 2 5.4.1.3 ATSC Software Application	210	The system shall have a distributed architecture of subsystems and structured so that signalized junctions can be appropriately grouped into sub-areas or sub-systems (minimum 2 and up to 250). Sub-areas are to be controlled by a regional computer.	The system shall have a distributed architecture of sub- systems and structured so that signalized junctions can be appropriately grouped into sub-areas or sub-systems (minimum 2 and up to 40). Sub-areas are to be controlled by a regional computer.	The system shall have a distributed architecture of sub- systems so that signalized junctions can be appropriately grouped into sub-areas or Corridors (min 2 and upto 255 controllers) Initially to be designed for 100 Junctions and scalable to 256 Junctions	ITMS		
Vol.2	2056	Trafitek Solutions Private Limited (2nd set)	RFP Vol 2 5.4.1.3 ATSC Software Application	213	Shall generate alerts to the operator that trigger on customizable conditions in the network (starting with simple drops in flow, up to total queue lengths along emission sensitive roads surpassing a definable threshold)	Shall generate alerts to the operator that trigger on customizable conditions in the network (starting with simple drops in flow or any such parameter)	Shall calculate customizable Indicators to quickly assess and generate alerts to the operator that trigger on unforeseen conditions in the traffic (simple drops or increase in flow ,queues formation unscheduled delays etc) when surpassing a defined threshold	ITMS		
Vol.2	2057	Trafitek Solutions Private Limited (2nd set)	RFP Vol 2 5.4.1.3 ATSC Software Application	216	Intensity Change – The report shall show the brightness of the signal lamp is changed according to the light intensity either manually through keypad or automatically by LDR with time stamp.	Request you to omit from sepcs.	Intensity Change – The report shall show the brightness of the signal lamp is changed with time	ITMS		
Vol.2	2058	Trafitek Solutions Private Limited (2nd set)	RFP Vol 2 5.4.1.4 Traffic Signal Controller	222	Number of signal head outputs: minimum 72 or as required	Number of signal head outputs: minimum 32 or as required	Number of signal head outputs: minimum 36 or higher as per site requirement	ITMS		This is suggested to optimize the hardware and power requirement at each junction and thereby get a cost optimization per junction
Vol.2	2059	Trafitek Solutions Private Limited (2nd set)	RFP Vol 2 5.4.1.4 Traffic Signal Controller	222	Signal head compatibility: LED 230VAC or 24VDC with dimming of various intensity levels	Microprocessor based (32-bit processor CPU- Dual CPU for LAMP/Conflict Voltage current monitoring)	Signal head compatibility: shall be 230 Vac +/- 10% and frequency 50 +/- 5Hz OR 40 V AC OR 12 VDC / 24 V DC	ITMS		
Vol.2	2060	Trafitek Solutions Private Limited (2nd set)	RFP Vol 2 5.4.1.4 Traffic Signal Controller	222	Temperature range: 0 – 70 deg. C	Temperature range: 0 – 55 deg. C	Temperature range: 0 – 60 deg. C	ITMS		
Vol.2	2061	Trafitek Solutions Private Limited (2nd set)	RFP Vol 2 5.4.1.6 Traffic Light Aspects	224	Standards: EN 12368 compliant	Standards: EN 12368 certified	Standards: EN 12368 compliant with all test reports	ITMS		
Vol.2	2062	Trafitek Solutions Private Limited (2nd set)	RFP Vol 2 5.4.1.6 Traffic Light Aspects	224	Shall preferably have temperature compensated power supplies for longer LED life.	Request you to relax or make optional this terms	Signal Aspect Shall have MTBF >60000 Hrs and MTTR 20-30 Mins	ITMS		
Vol.2	2063	Trafitek Solutions Private Limited (2nd set)	RFP Vol 2 5.4.1.8 Pedestrian / Pelican Traffic Signal Controller	228	System shall work on Low voltage DC operation for safety against voltage shock considering safety of pedestrian traffic	System shall work on Low voltage DC or AC operation for safety against voltage shock considering safety of pedestrian traffic	System shall work on Low voltage DC or AC operation for safety against voltage shock considering safety of pedestrian traffic	ITMS		This is an important safety consideration for traffic junction, especially because of the rainy environment of Guwahati
Vol.2	2064	Trafitek Solutions Private Limited (2nd set)	RFP Vol 2 5.4.1.5 Camera /Thermal Vehicle Detector			The thermal traffic sensor has BPL communication to reduce cabling complexity. The thermal sensor will superimpose the TCP/IP network communication on to the power wires. Inside the traffic controller cabinet, a communication interface will demodulate the powerline signal and provide a TCP/IP connection to the traffic controller. The interface board can be used for detection and error output generation and verification. It has connection terminals for up to 4 thermal traffic sensors and allows daisy chaining in serial or parallel for up to 4 thermal traffic sensors. The powerline interface has an Ethernet connection to communicate over a TCP/IP network e.g. to a PC for configuration.	RFP Vol 2 5.4.1.5 Radar /Thermal Vehicle Detector	ITMS		

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Vol.2	2065	Trafitek Solutions Private Limited (2nd set)	RFP Vol 2 5.4.1.5 Camera /Thermal Vehicle Detector			Regulatory specifications: • The thermal traffic sensor will comply with applicable CE directives: o Electromagnetic Compatibility directive 2014/30/EU o Reduction of hazardous substances directive 2011/65/EU o Low Voltage Directive 2014/35/EU o Radio Equipment Directive 2014/53/EU • The thermal traffic sensor will comply with FCC Title 47 Part 15 class A	RFP Vol 2 5.4.1.5 Radar /Thermal Vehicle Detector	ITMS		
Vol.2	2352	L&T Smart World & Communication	Volume 2 / Technical Specifications of Traffic Controller	222	EN 50556/AS/NZS	Requesting you to kindly Change the Clause "EN 0556/AS/NZS/Equivalent " so that other reputed OEMs also Qualify.	Standards compliance: EN 50556 or equivalent ISO 9001:1994 for design & servicing. EN 55024:2010 60950 61000-3-3 or equivalent for voltage fluctuations, or equivalent Safety Integrity Level SIL3 with certificate IEC 60068 for environmental protection EN 12675for functional safety,	ITMS		
Vol.2	2353	L&T Smart World & Communication	Volume 2 / Technical Specifications of Traffic Controller	222	ISO 9001:1994 for design & servicing.	Requesting you to kindly Change the Clause " ISO 9001:1994 for design & servicing / ISO 9001:2015 / Equivalent " so that other reputed OEMs also Qualify.	Standards compliance: EN 50556 or equivalent ISO 9001:1994 for design & servicing. EN 55024:2010 60950 61000-3-3 or equivalent for voltage fluctuations, or equivalent Safety Integrity Level SIL3 with certificate IEC 60068 for environmental protection EN 12675for functional safety,	ITMS		
Vol.2	2354	L&T Smart World & Communication	Volume 2 / Technical Specifications of Traffic Controller	222	EN 12675/IEC 60068 for functional safety,	Requesting you to kindly Change the Clause "EN 12675/IEC 60068 for functional safety /Equivalent "so that other reputed OEMs also Qualify.	Standards compliance: EN 50556 or equivalent ISO 9001:1994 for design & servicing. EN 55024:2010 60950 61000-3-3 or equivalent for voltage fluctuations, or equivalent Safety Integrity Level SIL3 with certificate IEC 60068 for environmental protection EN 12675for functional safety,	ITMS		
Vol.2	2355	L&T Smart World & Communication	Volume 2 / Technical Specifications of Traffic Controller	222	Number of signal head outputs: minimum 72 or as required	Requesting you to kindly modify the clause to "Number of signal head outputs: minimum 32 and extendable up to 72 (if needed)"	Number of signal head outputs: minimum 36 or higher as per site requirement	ITMS		
Vol.2	2356	L&T Smart World & Communication	Volume 2 / Technical Specifications of Traffic Controller	223	Temperature range: 0 – 70 deg. C	Requesting you to kindly modify the clause to" Temperature range: 0 – 60 deg. C"	27. Temperature range: 0 – 60 deg. C	ITMS		
Vol.2	2357	L&T Smart World & Communication	Volume 2 / 5.4.1.5 Camera /Thermal Vehicle Detector	223	5.4.1.5 Camera /Thermal Vehicle Detector	Requesting you to let us know whether to use Thermal camera or normal 2MP HD Camera with Processing as Video based detectors.	5.4.1.5 Radar /Thermal Vehicle Detector	ITMS		

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Vol.2	2368	L&T Smart World & Communication	Volume 2 / 5.4.2.1 Functional Requirement – Traffic Violation Detections System	230	3. Wrong Lane Driving / Stoppage with ANPR (WLD)	Exact Quantities are not mentioned in Bill of Material for the same. Please include it into BOQ and provide number of lanes for the same.	Tender conditions shall prevail	ITMS		
Vol.2	2369	L&T Smart World & Communication	Volume 2 / 5.4.2.1 Functional Requirement – Traffic Violation Detections System	230	c) The ITMS OEM should have supplied at least 2000 licenses (ANPR/RLVD/Speed or cumulative) in at least three projects in India.	Requesting you to kindly Change the Clause "c) The ITMS OEM should have supplied at least 2000 licenses (ANPR/RLVD/Speed or cumulative) in at least three projects in India / last Five years in India." so that other reputed OEMs also Qualify.	The ITMS OEM should have supplied and deployed proposed system for atleast 500 ANPR systems, 100 RLVD systems and 200 SVD systems in India	ITMS		License is non tangible method to determine experience of a vendor for the required solution. To increase participation and to ensure that the MSI has experience of deploying all components of the solution (hardware and software)
Vol.2	2370	L&T Smart World & Communication	Volume 2 / 5.4.2.1 Functional Requirement – Traffic Violation Detections System	230	e) The system should support Microsoft SQL, MySQL, PostgreSQL and Oracle databases.	As per the clause we understand that Only one type of database is used among these databases ie The system should support Microsoft SQL/MySQL /PostgreSQL/Oracle databases. Kindly confirm	e) The system should support Microsoft SQL/ MySQL/ PostgreSQL/Oracle or any standard database.	ITMS		
Vol.2	2371	L&T Smart World & Communication	Volume 2 / 5.4.2.2 Functional/General Requirements Red Light Violation Detection (RLVD) System	231	c) The system shall have in-built tool to facilitate the user to compose detail evidence by stitching video clips from any IP camera in the junction (including but not limited to the red- light violation detection camera, evidence camera), and any other surveillance cameras in the vicinity of the spot of incidence. The entire evidence should be watermarked and encrypted to stand the court of law.	Stitching of video clips is considered as tempering of the evidence video clip, which will not be acceptable in the court of law as an acceptable evidence for violation. Hence we request you to kindly amend the clause as : "c) The system shall have in-built tool to facilitate the user to compose detail evidence by RLVD Camera in the junction. The entire evidence should be watermarked and encrypted to stand the court of law."	The system shall have in-built tool to facilitate the user to compose detail evidence by RLVD Camera in the junction. The entire evidence should be watermarked and encrypted to stand the court of law	ITMS		
Vol.2	2372	L&T Smart World & Communication	Volume 2 / 5.4.2.3 Technical Specification - Red Light Violation Detection (RLVD)Systems 4. Digital Network Camera	237	f. Lens: Auto IRIS 5–50mm /8 – 40 mm, F1.4	Under RLVD system there are two types of camera one is RLVD Overview Camera and another one is ANPR camera .For Overview Camera Lens size shall be 2.8mm to 12mm to cover wide field of view. For ANPR 5–50mm /8 – 40 mm, F1.4 Lens will be used. Hence Kindly change the clause, RLVD OVER VIEW LENS: 2.8mm – 12 mm & ANPR Camera : Auto IRIS 5–50mm /8 – 40 mm, F1.4	Clause to be read as Lens & Resolution : 5-50mm/9-40mm/ 4-12mm Lens & 2-MP - 1920x 1080p for both ANPR & RLVD Camera, bidder can select as per requirement	ITMS		
Vol.2	2373	L&T Smart World & Communication	Volume 2 / 5.4.2.5 Technical Specification - ANPR SW Requirements 9. Central Management Module	244	b. ANPR Specification Base Specification of Fixed Box Cameras (Section 6.2.2.2 of Annexure I) must be part of the	ANPR Camera HW specifications are mentioned in section "5.4.2.6 ANPR HW Requirements" in the RFP. We understand this is typo error. Kindly clarify	Base Specification of Fixed Box Cameras must be part of the 5.4.2.6 ANPR HW Requirements	ITMS		

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Vol.2	2374	L&T Smart World & Communication	Volume 2 / 5.4.2.6 ANPR HW Requirements	246	28. Flexible angle adjustment : 30°, 45°, 60°, 90°	ANPR camera has a fixed field of view (i.e. 3.5 mtr in width) and its angle is also kept fixed to capture the number plate with good accuracy. Flexible angle adjustment is useful with surveillance cameras and not for ANPR application. Hence, we request you to kindly amend the clause as : "28. Flexible angle adjustment : as per OEM requirement"	Flexible angle adjustment : as per OEM requirement for ITMS only	ITMS		
Vol.2	2375	L&T Smart World & Communication	Volume 2 / 5.4.2.1 IR – Illuminator (In case of Separate IR)	246	1. IR control: Adjustable IR intensity	Fixed IR intensity is preferable to a level where the ANPR camera can capture both HSRP and Non-HSRP with good accuracy. Variable/adjustable IR control with high intensity is a problem for capturing reflective or HSRP and variable IR control with low intensity is an issue for capturing non- standard number plates. Hence, we request you to kindly make it optional and amend the clause as : "1. IR control : IR intensity as per OEM requirement"	IR control : IR intensity as per OEM requirement for ITMS only	ITMS		
Vol.2	2376	L&T Smart World & Communication	Volume 2 / 5.4.2.1 IR – Illuminator (In case of Separate IR)	246	3. Beam Angles : 10°, 20°, 30°, 60°, 80°, and 95°	ANPR camera has a fixed field of view (i.e. 3.5 mtr in width) and each lane/ANPR Camera has dedicated IR Illuminator to capture the number plates at night. Since the ANPR camera angle is fixed , Beam angle of IR is also kept fixed to capture the number plate with good accuracy. Multiple Beam angle is useful with surveillance cameras and not for ANPR application. Hence, we request you to kindly make it optional and amend the clause as : "3. Beam Angles : as per OEM requirement"	Beam Angles : as per OEM requirement for ITMS only	ITMS		
Vol.2	2377	L&T Smart World & Communication	Volume 2 / 5.4.2.1 IR – Illuminator (In case of Separate IR)	247	8. Standards: UL, CE, FCC, EN	We request you to kindly amend this clause as "8. Standards: UL/EN,CE,FCC "	Tender conditions shall prevail	ITMS		
Vol.2	2378	L&T Smart World & Communication	Volume 2 / 12.7 Bill of Material (BOM) Summary / 1.1 Traffic Violation Detection System at Traffic Junctions	395	1.1.13 ANPR Analytics Software License with No Helmet, Triple Ride of 2-wheeler, No Seatbelt, Driver talking on Phone, Free left Blocking while driving with ANPR : 452nos.	To do and capture - No Seatbelt, Driver talking on Phone, Free left Blocking while driving with ANPR, it requires placing of setup from front or side, whereas in RLVD system camera is placed in the way that it capture Vehicle license plate from the back, so that Evidence (showing status of Traffic Light, Stop line/zebra crossing, traffic clutter etc.) can be captured effectively. Hence we request you to kindly remove "No Seatbelt, Driver talking on Phone, Free left Blocking while driving with ANPR" from here.	Tender conditions shall prevail	ITMS		

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Vol.2	2380	L&T Smart World & Communication	Volume 2 / 12.3 Locations for SVD 12.7 Bill of Material (BOM) Summary	394-400	1.1.3 Sped Violation Detection System, Including the complete solutions - a) 9MP IP Camera, b) 4D tracking Radar, c) Local Processing Unit, d) LED Flash, e) Software License Lifetime use fee, f) Junction Box with Network, Power Component, Cables, accessories, and installations Nos 6	As per the BOQ the SVD camera quantity is 6 Nos. and as per the SVD location take the camera quantity is 12 Kindly clarify the correct quantity of camera	1.1.3 Sped Violation Detection System, Including the complete solutions - a) 9MP IP Camera, b) 4D tracking Radar, c) Local Processing Unit, d) Pulse IR, e) Software License Lifetime use fee, f) Junction Box with Network, Power Component, Cables, accessories, and installations Nos 6 locations i.e. 12 sets to be supplied	ITMS		
Vol.2	2431	RPG Smart Infra (KEC International Limited)	Vol 2 5.4.2.6 ANPR HW Requirements	Page 244 of 400	4 shutter time PAL: 1/20~ 1/30,000 sec.	Request to consider fixed shutter 1/25 to 1/15000s and Automatic electronic shutter.	Tender conditions shall prevail	ITMS		
Vol.2	2432	RPG Smart Infra (KEC International Limited)	Vol 2 5.4.2.6 ANPR HW Requirements	Page 245 of 400	13 S/N Ratio >60db	Request to accept S/N ratio 55dB	Clause to be read as S/N Ratio >55db for both ANPR & RLVD Camera	ITMS		
Vol.2	2433	RPG Smart Infra (KEC International Limited)	Vol 2 5.4.2.6 ANPR HW Requirements	Page 245 of 400	WDR Upto 140db	Request to consider WDR upto 120 db as per IE62676-Part 5 standard	Clause to be read as WDR >= 120 Db for both ANPR & RLVD Camera	ITMS		
Vol.2	2434	RPG Smart Infra (KEC International Limited)	Vol 2 5.4.2.6 ANPR HW Requirements	Page 246 of 400	IR Illuminator 850nm intensity adjustable IR with minimum 30 meters range, IR from same Camera OEM	Kindly remove this clause as 30 meter inbuilt IR is not suitable for ANPR Camera and already external IR Specs is given in the tender	Tender Clause stands deleted	ITMS		
Vol.2	2480	ARS Traffic and Transport Technology	Volume:2 Section:4.26 Project Timelines	60 of 400	4.26 Project Timelines Tentative Lead- Time 12 months post issuance of request order	Considering the wide scope of work involved in this project, requesting GSCL to extend the timeline for implementation. Change Request:- 4.26 Project Timelines Tentative Lead- Time 16 months post issuance of request order.	Tender conditions shall prevail	ITMS		
Vol.2	2481	ARS Traffic and Transport Technology	Volume 2 Section 5.4.2.1	230 of 400	The ITMS OEM should have supplied at least 2000 licenses (ANPR/RLVD/Speed or cumulative) in at least three projects in India.	For increased participation for competitive bidders, we request to relax this clause as below, since the requirement is very stringent. Change request: The ITMS OEM should have supplied at least 2000 licenses (ANPR/RLVD/Speed or cumulative) in India/Globally.	The ITMS OEM should have supplied and deployed proposed system for atleast 500 ANPR systems, 100 RLVD systems and 200 SVD systems in India	ITMS	License is non tangible method to determine experience of a vendor for the required solution.	To increase participation and to ensure that the MSI has experience of deploying all components of the solution (hardware and software)
Vol.2	2482	ARS Traffic and Transport Technology	Volume:2 Section:12.7 Bill of Material (BOM) Summary	400 of 400	12.7 Bill of Material (BOM) Summary	The S.No. '8.0- Network Enablement Charges-Shifting' seem to be missing from BOM summary but specified in "BOQ.xls Schedule B". We hope it's a typo error. Please Clarify.	Tender conditions shall prevail	ITMS		

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Vol.2	2577	iValue InfoSolutions Pvt. Ltd. (Set 2)	5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.3 Technical Specification - Red Light Violation Detection (RLVD)Systems	Volume # 2 Page No # 237 Pt. -4.b	4.b. Video Resolution: 2-MP - 1920x1080p	4.b. Video Resolution: 4-MP - 2592x1520p	Tender conditions shall prevail	ITMS		
Vol.2	2578	iValue InfoSolutions Pvt. Ltd. (Set 2)	5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.3 Technical Specification - Red Light Violation Detection (RLVD)Systems	Volume # 2 Page No # 237 Pt. -4.c	4.c. Frame rate: Min. 50 ~ 60 FPS	4.c. Frame rate: Min. 25 ~ 30 FPS	Tender conditions shall prevail	ITMS		
Vol.2	2579	iValue InfoSolutions Pvt. Ltd. (Set 2)	5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.3 Technical Specification - Red Light Violation Detection (RLVD)Systems	Volume # 2 Page No # 237 Pt. -4.e	4.e. Lens Type: Varifocal, C/CS Mount, IR Correction full HD lens	4.e. Lens Type: Motorized Varifocal, C/CS or Board Mount, IR Correction full HD lens	As per RFP, Motorized Zoom is not required in ANPR & RLVD Application as per fixed focus	ITMS		
Vol.2	2580	iValue InfoSolutions Pvt. Ltd. (Set 2)	5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.3 Technical Specification - Red Light Violation Detection (RLVD)Systems	Volume # 2 Page No # 237 Pt. -4.g	4.g. Minimum Illumination: Colour: 0.5 lux, B/W: 0.1 lux (at 30 IRE)	4.g. Minimum Illumination: Color: 0.05Lux@F1.2, B/W: 0Lux@IR LED ON	Clause to be read as for ANPR & RLVD , 6. Minimum Illumination: mono 0.001Lux @ (F1.2, AGC ON), color 0.0014Lux @ (F1.2, AGC ON), 0 Lux at IR ON	ITMS		
Vol.2	2581	iValue InfoSolutions Pvt. Ltd. (Set 2)	5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.3 Technical Specification - Red Light Violation Detection (RLVD)Systems	Volume # 2 Page No # 238 Pt. -4.r	4.r. Alarm I/O: Minimum 2 Input & 1 Output contact for 3rd part interface	4.r. Alarm I/O: Minimum 1 Input & 1 Output contact for 3rd part interface	Clause to be read as for ANPR & RLVD , Alarm I/O: Minimum 1 Input & 1 Output contact for 3rd part interface	ITMS		
Vol.2	2582	iValue InfoSolutions Pvt. Ltd. (Set 2)	5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.3 Technical Specification - Red Light Violation Detection (RLVD)Systems	Volume # 2 Page No # 238 Pt. -4.s	4.s. Certification: UL/EN, CE, FCC	4.s. Certification: UL, CE-EN 55032:2015, EN 55024:2010+A1:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, IEC 61000-6-4:2018, FCC Part 15, Sub part B:2017, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU	Clause to be read as for ANPR & RLVD , UL, EN, CE, FCC	ITMS		

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Vol.2	2583	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.6 ANPR HW Requirements	Volume # 2 Page No # 244 Pt. -3	3. Lens & Resolutions: 5-50mm Lens & 2 MP - 1920x1080p	3. Lens & Resolutions: 5-50mm Lens & 4-MP - 2592x1520p	Clause to be read as Lens & Resolution : 5-50mm/9-40mm/ 4-12mm Lens & 2-MP - 1920x 1080p for both ANPR & RLVD Camera, bidder can select as per requirement	ITMS		
Vol.2	2584	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.6 ANPR HW Requirements	Volume # 2 Page No # 244 Pt. -4	4. Shutter Time: PAL: 1/20~ 1/30,000 sec.	4. Shutter Time: PAL: 1/5~ 1/20,000 sec.	Request smart city to consider fixed shutter 1/25 to 1/15000s and Automatic electronic shutter for both ANPR & RLVD Camera	ITMS		
Vol.2	2585	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.6 ANPR HW Requirements	Volume # 2 Page No # 244 Pt. -6	6. Minimum Illumination: 0.001Lux @ (F1.2, AGC ON), 0.0014Lux @ (F1.4, AGC ON), 0 Lux at IR ON	6. Minimum Illumination: Color: 0.05Lux@F1.2, B/W: 0Lux@IR LED ON	Clause to be read as for ANPR & RLVD , 6. Minimum Illumination: mono 0.001Lux @ (F1.2, AGC ON), color 0.0014Lux @ (F1.2, AGC ON), 0 Lux at IR ON	ITMS		
Vol.2	2586	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.6 ANPR HW Requirements	Volume # 2 Page No # 245 Pt. -10	10. WDR: Up to 140 dB	10. WDR: Up to 120 dB	Clause to be read as WDR >= 120 Db for both ANPR & RLVD Camera	ITMS		
Vol.2	2587	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.6 ANPR HW Requirements	Volume # 2 Page No # 245 Pt. -13	13. S/N Ratio: >60db	13. S/N Ratio: >52db	Clause to be read as S/N Ratio >55db for both ANPR & RLVD Camera	ITMS		
Vol.2	2588	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.6 ANPR HW Requirements	Volume # 2 Page No # 245 Pt. -14	14. Video Compression: H.264, H.265, MPEG-4 & MJPEG	14. Video Compression: H.264, H.265 & MJPEG	Clause to be read as MJPEG, H.264/ H.265 for both ANPR & RLVD Camera	ITMS		
Vol.2	2589	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.6 ANPR HW Requirements	Volume # 2 Page No # 245 Pt. -18	18. Image Resolution (Primary stream) Resolution (Secondary stream) Resolution (Mobile stream): Mainstream: 2MP @25 FPS to 30 FPS, Sub stream: D1@ 25FPS to 30 FPS, Third stream: VGA@ 25FPS to 30 FPS	18. Image Resolution (Primary stream) Resolution (Secondary stream) Resolution (Mobile stream): Mainstream: 2MP @50 FPS to 60 FPS, Sub stream: D1@ 50FPS to 60 FPS	Clause to be fully configurable 18. Image Resolution (Primary stream) Resolution (Secondary stream) Resolution (Mobile stream): Mainstream: H.264,2MP @50 FPS to 60 FPS, Sub stream: H.264,2MP @50 FPS to 60 FPS at configurable bandwidth for both ANPR & RLVD Camera	ITMS		
Vol.2	2590	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.6 ANPR HW Requirements	Volume # 2 Page No # 245 Pt. -18	19. Frame rate: 50 to 60 FPS or Better	19. Frame rate: 25 to 30 FPS or Better	As per RFP, Frame rate: 50 to 60 FPS or Better at all resolution 2MP , 720P for both ANPR & RLVD Camera	ITMS		
Vol.2	2591	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.6 ANPR HW Requirements	Volume # 2 Page No # 246 Pt. -26	26. LED type: 12 pieces dot matrix array LED or better	Request you to remove this specification as every OEM have its own design.	Clause stands deleted	ITMS		

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Vol.2	2592	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera 5.4.2.6 ANPR HW Requirements	Volume # 2 Page No # 246	Additional Specification	Certification: UL, CE-EN 55032:2015, EN 55024:2010+A1:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, IEC 61000-6-4:2018, FCC Part 15, Sub part B:2017, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU	As per RFP, Minimum requirement is mentioned, bidder can propose better for both ANPR & RLVD Camera	ITMS		
Vol.2	2593	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.4.3 Speed Violation Detection System (SVD) 5.4.3.7 Speed Detection Camera Specifications	Volume # 2 Page No # 254 Pt. -1	1. Image sensor and Effective Pixels (Resolution): 1" or higher, CMOS, Global Shutter, Minimum 9MP, 4096(H) x 2160(V)	1. Image sensor and Effective Pixels (Resolution): 1/7" or higher, CMOS, Minimum 12MP, 4000(H) x 3000(V)	Tender conditions shall prevail	ITMS		
Vol.2	2594	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.4.3 Speed Violation Detection System (SVD) 5.4.3.7 Speed Detection Camera Specifications	Volume # 2 Page No # 254 Pt. -2	2. Electronic Shutter: 1/1000 s to 1/10,000 s or better	2. Electronic Shutter: 1 s to 1/1,00,000 s or better	Tender conditions shall prevail	ITMS		
Vol.2	2595	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.4.3 Speed Violation Detection System (SVD) 5.4.3.7 Speed Detection Camera Specifications	Volume # 2 Page No # 254 Pt. -9	9. Certifications: CE, FCC, EN/UL, RoHS	9. Certifications: UL, CE-EN 55032:2015, EN 55024:2010+A1:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, IEC 61000-6-4:2018, FCC Part 15, Sub part B:2017, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU	Tender conditions shall prevail	ITMS		
Vol.2	2596	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.4.3 Speed Violation Detection System (SVD) 5.4.3.7 Speed Detection Camera Specifications	Volume # 2 Page No # 254 Pt. -11	11. Video Compression: MJPEG, H.264	11. Video Compression: MJPEG, H.264, H.265	Tender conditions shall prevail	ITMS		
Vol.2	2601	Harriban Broadcasting and Communications	Page 210, 5.4.1.3 ATSC Software Application	Page 210, 5.4.1.3 ATSC Software Application	The system shall have a distributed architecture of subsystems and structured so that signalized junctions can be appropriately grouped into sub-areas or sub-systems (minimum 2 and up to 250). Sub-areas are to be controlled by a regional computer.	This requirement is SCATS (Sydney Coordinated Adaptive Traffic System) specific. Such architectural requirement is not needed for ATCS solutions used in India like CoSoCoSt & SCOOT . Request, please amend this clause - The system shall have a distributed architecture so that signalized junctions can be appropriately grouped into Corridors.	The system shall have a distributed architecture of sub- systems so that signalized junctions can be appropriately grouped into sub-areas or Corridors (min 2 and upto 255 controllers) Initially to be designed for 100 Junctions and scalable to 256 Junctions	ITMS		
Vol.2	2602	Harriban Broadcasting and Communications	Page 210, 5.4.1.3 ATSC Software Application	Page 210, 5.4.1.3 ATSC Software Application	Up to 100 users should be able to connect to the central ATSC system and up to 30 users to regional computer controlling sub-systems with varying levels of security and access at the same time the proposed ATSC system shall be scalable to include any additional junctions in the future.	This requirement is again SCATS specific , Most of the ATCS systems do not use Regional computers so there is no requirement of 100 USERS for ATCS application. More user licenses will increase the extra cost of ATCS application software.	Min 25 users should be able to connect to the central ATSC system and controlling with varying levels of security and access at the same time.The proposed ATSC system shall be scalable to include any additional junctions in the future	ITMS		

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Vol.2	2603	Harriban Broadcasting and Communications	Page 212 5.4.1.3 ATSC Software Application	Page 212 5.4.1.3 ATSC Software Application	When a link is established between two subsystems, the cycle generator of the subsystem linking is speeded up or slowed down (i.e. the cycle time of the subsystem is increased or decreased) until the specified relationship between the two subsystems is achieved. If a junction in a subsystem is required to change its grouping frequently depending on traffic conditions, it should be dynamically linked or delinked with other subsystems.	Requirement seems to SCATS specific , Composite Signal Control strategy as mentioned in RFP do not use regional Computers. AS mentioned in RFP 5.4.1.2 Functional Requirements of Adaptive Traffic Signal Control (ATSC) PAGE NO 208. This clause should be deleted because CoSiCoSt do not use this term	Tender clause stands deleted	ITMS		
Vol.2	2604	Harriban Broadcasting and Communications	Page 222 5.4.1.4 Traffic Signal Controller, Technical specification of controllers	Page 222 5.4.1.4 Traffic Signal Controller, Technical specification of controllers	d) 32bit processor with 2 MB or more flash as nonvolatile storage, 256 KB or more as RAM, with a provision of adding minimum 32 GB through an external SD Card/USB	processor with 512 K flash and 128 K RAM, There is No requirement of additional SD cards where controller is connected to control room.	Tender conditions shall prevail	ITMS		
Vol.2	2605	Harriban Broadcasting and Communications	Page 222 5.4.1.4 Traffic Signal Controller, Technical specification of controllers	Page 222 5.4.1.4 Traffic Signal Controller, Technical specification of controllers	The Traffic Signal Controller equipment should be 64-bit micro controller solid state traffic signal lamp switching module with the ability to program any combination of traffic signal stages, phases, and junction groups with conflict monitoring facility.	The Traffic Signal Controller equipment should be 32/64-bit as mentioned in pint no 2. there is contradiction in point no 2 and 10.	The Traffic Signal Controller equipment should be 32/64-bit micro controller solid state traffic signal lamp switching module with the ability to program any combination of traffic signal stages, phases, and junction groups with conflict monitoring facility.	ITMS		
Vol.2	2606	Harriban Broadcasting and Communications	Page 224 5.4.1.6 Traffic Light Aspects	Page 224 5.4.1.6 Traffic Light Aspects	Operating Temperature Range: As per NOIDA weather conditions Turn Off/Turn ON Time: 75 milli seconds max	Noida Weather condition is different from Guwahati and this clause may please be removed	Operating Temperature Range: As per Guwahati weather conditions Turn Off/Turn ON Time: 75 milli seconds max	ITMS		
Vol.2	2607	Harriban Broadcasting and Communications	Page 225 5.4.1.7 Automatic Traffic Counting and Classification System (ATCC) – Video / Thermal	Page 225 5.4.1.7 Automatic Traffic Counting and Classification System (ATCC) – Video / Thermal	The ATCC system shall be deployed on city road primarily on city's entry, exit and at major points of intersection in NOIDA, the objective of the sub-system is to collect traffic data at major points.	Please provide the Quantity and Location of ATCC in BoQ , and Requirement should be the city of Guwahati instead of NOIDA	Tender conditions shall prevail	ITMS		
Vol.2	2625	EFKON India Pvt. Ltd	Volume-II, Section 5.4.1.7 Automatic Traffic Counting and Classification System (ATCC) – Video / Thermal	Page 225 of 400	Automatic Traffic Counting and Classification System (ATCC) – Video / Thermal	As ATCC is not the part of BOQ. We request to remove this section	Tender conditions shall prevail	ITMS		
Vol.2	2626	EFKON India Pvt. Ltd	Volume-II, Section 5.4.2.3 Technical Specification - Red Light Violation Detection (RLVD)Systems	Page 238 of 400	Protocol: IPV4, IPV6, HTTP, HTTPS, FTP/SMT, RTSP, RTP, TCP, UDP, RTCP, DHCP, UPnP, NTP, QoS, ONVIF Profile S	We Request to change this clause as Protocol: IPV4/IPV6, HTTP, HTTPS, FTP/SMT, RTSP, RTP, TCP, UDP, RTCP, DHCP, UPnP, NTP, QoS, ONVIF Profile S	UPnP stands deleted Surveillance camera shall support onboard sign crypto processor and AES256 with encryption	ITMS		
Vol.2	2627	EFKON India Pvt. Ltd	Volume-II, Section 5.4.2.5 Technical Specification - ANPR SW Requirements	Page 244 of 400	b. ANPR Specification: Base Specification of Fixed Box Cameras (Section 6.2.2.2 of Annexure I) must be part of the	Section 6.2.2.2 is not available in RFP Volume-II. Please confirm for ANPR Camera specification we need to follow Section 5.4.2.6, ANPR HW Requirements?	follow Section 5.4.2.6, ANPR HW Requirements	ITMS		

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Vol.2	2628	EFKON India Pvt. Ltd	Volume-II, Section 5.4.2.6 ANPR HW Requirements	Page 246 of 400	Protocol: IPv4, IPv6, TCP/IP, SNMP, HTTP, HTTPS, UPnP, RTSP, RTP, RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE and 802.1x	We Request to change this clause as Protocol: IPv4/IPv6, TCP/IP, SNMP, HTTP, HTTPS, UPnP, RTSP, RTP, RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE and 802.1x	UPnP stands deleted Surveillance camera shall support onboard sign crypto processor and AES256 with encryption	ITMS		
Vol.2	2629	EFKON India Pvt. Ltd	Volume-II. Section 12.3 Locations for SVD	Page 392 of 400	Locations for SVD Airport Road-4 Cameras Bypass Road-Between Khanapara-Jalukbari (Two Locations) - 8 Cameras	As per Section 12.3 Locations for SVD, there are 12 camera Qty mentioned, Where as in Section 12.7 Bill of Material (BOM) Summary line item no. 1.1.3 says 6 nos. For line item 1.1.3, 9 MP IP Camera should be 12.	Speed Violation Detection System, Including the complete solutions - a) 9MP IP Camera, b) 4D tracking Radar, c) Local Processing Unit, d)Pulse IR, e)Software License Lifetime use fee, f) Junction Box with Network, Power Component, Cables, accessories, and installations Nos 6 locations i.e. 12 sets to be supplied	ITMS		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	2771	Hewlett Packard Enterprise	5.4.1.2 Functional Requirements of Adaptive Traffic Signal Control (ATSC)	208	"Composite Signal Control Strategy" application (already proved in Indian environment) or equivalent will be used for optimizing the traffic signal timings.	"Composite Signal Control Strategy" being a proprietary application from CDAC, you are requested to kindly remove this clause and allow fair chance to all the global technologies.	Clause stands deleted	ITMS		
Vol.2	2772	Hewlett Packard Enterprise	Volume 2 4.6.2 Existing Traffic Signal system	23	The infrastructure of existing traffic signal systems including the aspects, controllers etc. will be dismantled and replaced with the new systems which are proposed and required under the scope of this project. The dismantled infrastructure shall be delivered at the GSCL designated location without damage at no extra cost.	As per RFP, dismantling of existing traffic infrastructure and their shifting to designated warehouse location should be done at no extra cost. In the RFP details of these existing traffic signals is not available, so details of existing junctions should be included. Also as this activity involves a lot of expenditure in the form of machinery, manpower and transportation while dismantling the items and their shifting to some designated warehouse, you are requested to add this whole activity as a separate line item in the Bill of Material.	Tender conditions shall prevail	ITMS		
Vol.2	2773	Hewlett Packard Enterprise	Volume 2 5.4.1.2 Functional Requirements of Adaptive Traffic Signal Control (ATSC)	209	N.XII. Make available the network status and report viewing on Web.	This requirement is contradictory with the specification given on s. no. 27 on page 212 of RFP vol. 2 where it asks " Make available the network status and report viewing on the desktop GUI as per RFP ". Please clarify.	Clause to be read as Make available the network status and report viewing on the operator console	ITMS		
Vol.2	2774	Hewlett Packard Enterprise	Volume 2 5.4.1.2 Functional Requirements of Adaptive Traffic Signal Control (ATSC) & 5.4.1.8	209 & 227	O. Pedestrian Actuated Traffic Control Signals at places where a large number of people cross the road with heavy vehicular traffic (near Schools, Hospitals, Shopping Centers, places of worship and similar other establishments). P. The pelican signals shall be installed on two diagonally opposite corners of the Zebra Crossing and shall be supported with facilities for the pedestrians to actuate traffic signal control. 5.4.1.8 Pedestrian / Pelican Traffic Signal Controller	In the RFP Pedestrian/ Pelican Traffic signal controllers are asked for mid block kind of junctions near the hospital, schools etc. but their quantity is not mentioned. Kindly provide the details of pelican junctions and include their quantity with traffic lights, poles etc. in the Bill of Material.	tender conditions shall prevail	ITMS		
Vol.2	2775	Hewlett Packard Enterprise	Volume 2 5.4.1.2 Functional Requirements of Adaptive Traffic Signal Control (ATSC)	209	Q. ATSC shall use UG405 or NTCIP or any other standard communication protocol. It should also provide the functionality of integration with on-ground hardware of any thirdparty traffic controller that is UG405 or NTCIP or any other standard communication protocol compliant.	As per RFP Clause " 4.6.2 Existing Traffic Signal system " all the existing hardware including traffic lights poles, controller etc. will be dismantled and replaced by the new items. For the ATCS system it needs an ATCS Application and its dedicated type of traffic controller, any other make of traffic controller which is not supported by this ATCS Application can not be controlled through the same. Hence request you to kindly modify the clause as mentioned below: Q. ATSC shall use UG405 or NTCIP or any other standard communication protocol.	Clause to be read as ATSC shall use UG405 or NTCIP or OCIT or any other standard communication protocol. It should also provide the functionality of integration with on-ground hardware of any third-party traffic hardware that is UG405 or NTCIP or any other standard communication protocol compliant.	ITMS		
Vol.2	2776	Hewlett Packard Enterprise	Volume 2 12.7 Bill of Material (BOM) Summary/ 1.2. Adaptive Traffic Signal Control System (Signalization)	395	1.2.2 Countdown timer : Nos 226	In the RFP specifications of Count Down Timers are not given anywhere, secondly count down timers are suitable for Non Adaptive system only where Cycle time and stage time remains constant. But here the system to be deployed is Adaptive in which signal timing will keep on changing based on real time detection data. Request you to kindly remove this item from the Bill of Material.	Item mentioned in BOM stands deleted	ITMS		

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Vol.2	2777	Hewlett Packard Enterprise	Volume 2 12.7 Bill of Material (BOM) Summary/ 1.2. Adaptive Traffic Signal Control System (Signalization)	395	1.2.4 Galvanized standard Poles for Traffic Aspects and Pedestrian signals : Nos 452 1.2.6 Traffic Light Aspects – Red : Nos 452 1.2.7 Traffic Light Aspects – Amber : Nos 452 1.2.8 Traffic Light Aspects – Green : Nos 1356 1.2.9 Pedestrian lamp heads – Stop Man : Nos 226 1.2.10 Pedestrian lamp heads – Walk Man : Nos 226	As per the list of Traffic Junctions given in RFP, it is observed that out of 64 ATCS junctions, 33 junctions are Three Arm, 28 junctions are Four Arm and 3 junctions are Five Arm type. So for all these junction types, 1 primary vertical LED Aspect, 1 primary horizontal LED Aspect and 1 secondary LED aspects should be there for vehicles in each arm for better visibility of lights. Also there should be 2 LED aspects for pedestrians on both sides for each arm. Hence the quantity of some items mentioned in the Bill of Material should be modified as given below: 1.2.4 Galvanized standard Poles for Traffic Aspects and Pedestrian signals : Nos 485 1.2.6 Traffic Light Aspects – Red : Nos 678 1.2.7 Traffic Light Aspects – Amber : Nos 678 1.2.8 Traffic Light Aspects – Green : Nos 1737 1.2.9 Pedestrian lamp heads – Stop Man : Nos 452 1.2.10 Pedestrian lamp heads – Walk Man : Nos 452	1.2.4 Galvanized standard Poles for Traffic Aspects and Pedestrian signals : Nos 452 1.2.6 Traffic Light Aspects – Red : Nos 452 1.2.7 Traffic Light Aspects – Amber : Nos 452 1.2.8 Traffic Light Aspects – Green : Nos 1356 1.2.9 Pedestrian lamp heads – Stop Man : Nos 452 1.2.10 Pedestrian lamp heads – Walk Man : Nos 452	ITMS		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	2889	IDEMIA International	Vol-II, 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera	230	c) The ITMS OEM should have supplied at least 2000 licenses (ANPR/RLVD/Speed or cumulative) in at least three projects in India.	Request you kindly amend the clause like: The ITMS OEM should have supplied at least 2000 licenses /devices cumulative from (ANPR/RLVD/Speed) in India / Globally.	The ITMS OEM should have supplied and deployed proposed system for atleast 500 ANPR systems, 100 RLVD systems and 200 SVD systems in India	ITMS		License is non tangible method to determine experience of a vendor for the required solution. To increase participation and to ensure that the MSI has experience of deploying all compenets of the solution (hardware and software)
Vol.2	2890	IDEMIA International	Vol-II, 5.4.2 Traffic Violation Detection System (TVDS) with ANPR & RLVD Camera	230	g) The ITMS Software should be NABL accredited lab for accuracy	Request you kindly amend the clause like: The ITMS Software should be NABL /OIML R91 /D11 Certification by METAS accredited lab for accuracy	NABL Clause stands deleted. Please read the clause as In ITMS, SVD system should have proper test report and certificate (Legal Decree/type approval/homologation). The test reports/certificates should be provided by domestic/international labs who have mandate to provide the same for speed enforcement system. The test reports should be in compliance to OIMLR91, D11 and WELMEC 7.2 norms,	ITMS		
Vol.2	2891	IDEMIA International	Vol-II, 5.4.2.2.Functional Requirements Red Light Violation Detection (RLVD) System	231	The system should be capable of capturing multiple infracting vehicles simultaneously in Different lanes on each arm at any point of time with relevant infraction data like: a) Type of Violation b) Date, time, Site Name and Location of the Infraction c) Registration Number of the vehicle through ANPR Camera system for each vehicle identified for infraction.	Request you kindly amend the clause like: The system should be capable of capturing 32 or above infracting vehicles simultaneously in Different lanes on each arm at any point of time with relevant infraction data like: a) Type of Violation b) Date, time, Site Name and Location of the Infraction c) Registration Number of the vehicle through ANPR Camera system for each vehicle identified for infraction.	Tender conditions shall prevail	ITMS		
Vol.2	2892	IDEMIA International	Vol-II, 5.4.2.5 Technical Specification - ANPR SW Requirements	241	The system shall detect the colour of all vehicles in the camera view during daytime and label them as per the predefined list of configured system colours. The system shall store the colour information of each vehicle along with the license plate information for each transaction in the database.	Request you kindly amend the clause like: The system shall detect the colour of vehicles of interest in the camera view during daytime and label them as per the predefined list of configured system colours. The system shall store the colour information of each targeted vehicle along with the license plate information for each transaction in the database	Tender conditions shall prevail	ITMS		

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Vol.2	2893	IDEMIA International	Vol-II, 5.4.2.5 Technical Specification - ANPR SW Requirements	243	The system should have ANPR/ OCR to address the alpha numeric character of irregular font sizes	Request you kindly amend the clause like: The system should have ANPR/ OCR to address the English alpha numeric character of irregular font sizes	Tender conditions shall prevail	ITMS		
Vol.2	2894	IDEMIA International	Vol-II, 5.4.3.6 Radar Requirements	252	The proposed violation detection device shall be of 4D tracking radar	Request you kindly amend the clause like: The proposed violation detection device shall be of 3D tracking radar	Tender conditions shall prevail	ITMS		
Vol.2	2895	IDEMIA International	Vol-II, 5.4.3.6 Radar Requirements	253	The System shall be able to function on Detection Range of Car: 250m.	Request you kindly amend the clause like: The System shall be able to function on Detection Range of Car: 150m or above	Tender conditions shall prevail	ITMS		
Vol.2	2896	IDEMIA International	Vol-II, 5.4.3.6 Radar Requirements	253	a) To limit installation time on site, physical installation of the detection device shall not require complex alignment procedures. 1. Technology -> 4D Object Tracking (Range, Angle, Speed, Time) with UHD Resolution, independent discrimination of multiple targets at same speed and same range 2. Speed Range -> Measurement up to 300km/h or more 3. Field of view -> ±20degrees or greater horizontal, ±1 0degrees or greater vertical 4. Frequency -> 24 GHz/ 77 GHz 5. Interface -> Ethernet/CAN 6. Housing -> IP67 7. Simultaneously Tracked Objects -> 100 or higher 8. Minimum Detect Range -> 120m or higher 9. Operating Modes -> Approach, Recede, Bidirectional 10. Drift -> Negligible, nore- calibration needed over 10 years	Request you kindly amend the following clauses as below: 1. Technology -> 3D Object Tracking (Range, Angle, Speed, Time) with UHD Resolution, independent discrimination of multiple targets at same speed and same range 6. Housing -> IP65 or above 7. Simultaneously Tracked Objects - > 32 Objects or above	Tender conditions shall prevail	ITMS		
Vol.2	2897	Masstrans Technologies Private Limited (Erstwhile Power Electronics)	Volume 2	Sr No. 1.2.3 , 395	Vehicle Detection System	Required camera resolution in Megapixel	The vehicle detector shall be 4D Radar / thermal Camera which can cover minimum 4 lanes and upto 130 mts, with high definition for Count, classification and Queue detection of all the vehicles passing through Junction in all day and night conditions. Vehicle detector shall be able to operate with more than 95 % Accuracy in all weather conditions like Fog, Rain and dust storm, road surface temperature without without degrading its performance	ITMS		
Vol.2	2898	Masstrans Technologies Private Limited (Erstwhile Power Electronics)	Volume 2	Sr No. 1.2.4 , 395	ATCS BOQ (Pedestrian lamp vs Galvanized standard Poles)	Required Clarification of Lamp and pole Qty	Tender conditions shall prevail	ITMS		
Vol.2	2899	Masstrans Technologies Private Limited (Erstwhile Power Electronics)	Volume 2	Sr No.1.1.4, 394	Vehicle Activated Radar Speed Signs	Required Technical Speciation to provide matched product	Tender conditions shall prevail	ITMS		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	2900	Masstrans Technologies Private Limited (Erstwhile Power Electronics)	Volume 2	Sr No.1.1.3, 394	Sped Violation Detection System	Need to confirm Location as in location list mentioned 12 and BOQ	Speed Violation Detection System, Including the complete solutions - a) 9MP IP Camera, b) 4D tracking Radar, c) Local Processing Unit, d)Pulse IR, e)Software License Lifetime use fee, f) Junction Box with Network, Power Component, Cables, accessories, and installations Nos 6 locations i.e. 12 sets to be supplied	ITMS		
Vol.2	2946	CMS Computers Ltd.	Traffic Signal Co	222	Technical Specifications of Traffic Controller "Sr no. 15 Standards compliance." EN 50556/AS/NZS ISO 9001:1994 for design & servicing. AND "EN 12675/IEC 60068 for functional safety, EN 55024:2010 & AS/NZS 60950/BS EN 61000-3-3 or equivalent for voltage fluctuations, or equivalent"	Asked standards are not as per Indian Standards. We request to allow Traffic controller as per Indian Road Congress standard IRC-93	Standards compliance: EN 50556 or equivalent ISO 9001:1994 for design & servicing. EN 55024:2010 60950 61000-3-3 or equivalent for voltage fluctuations, or equivalent Safety Integrity Level SIL3 with certificate IEC 60068 for environmental protection EN 12675for functional safety,	ITMS		
Vol.2	2947	CMS Computers Ltd.	.6 Traffic Light As	224	5.4.1.6 Traffic Light Aspects "Sr no. 4 All units operate at voltage of - 12 / 24 volts DC."	As controllers are designed to operate Traffic lights working on 230VAC also. 12VDC/24VDC Traffic lights will limit OEM participation. We request to allow 230VAC Traffic light also	Aspect operating voltage shall be 230 Vvac +/- 10% and frequency50+/-5Hz OR 40 V AC OR 12 VDC / 24 V DC	ITMS		This is an important safety consideration for traffic junction, especially because of the rainy environment of Guwahati
Vol.2	2965	i2V Systems Pvt. Ltd	Volume2.pdf	Page:230	5.4.2.1 Functional Requirement – Traffic Violation Detections System: c) The ITMS OEM should have supplied at least 2000 licenses (ANPR/RLVD/Speed or cumulative) in at least three projects in India.	We hereby request you allow us to Bid with a request to allow: "Functional Requirement – Traffic Violation Detections System: c) The ITMS OEM should have supplied at least 100 licenses (ANPR/RLVD/Speed or cumulative) in at least three projects in India."	The ITMS OEM should have supplied and deployed proposed system for atleast 500 ANPR systems, 100 RLVD systems and 200 SVD systems in India	ITMS		License is non tangible method to determine experience of a vendor for the required solution. To increase participation and to ensure that the MSI has experience of deploying all components of the solution (hardware and software)
Vol.2	2966	i2V Systems Pvt. Ltd	Volume2.pdf	Page:230	5.4.2.1 Functional Requirement – Traffic Violation Detections System: The ITMS Software should be NABL accredited lab for accuracy	We hereby request you to Kindly please Delete this Clause, as it is Specific to Single OEM & that technical Specification is being Favoured to Single OEM.	Tender conditions shall prevail	ITMS		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	3015	TNPL	Vol-2, Page 210, 5.4.1.3		The system shall have a distributed architecture of subsystems and structured so that signalized junctions can be appropriately grouped into sub-areas or sub-systems (minimum 2 and up to 250). Sub-areas are to be controlled by a regional computer.	Request Please ammend the clause The system shall have a distributed architecture so that signalized junctions can be appropriately grouped into Corridors. This requirement provided in this clause is SCATS (Sydney Coordinated Adaptive Traffic System) specific. Such architectural requirement is not needed for ATCS solutions used in India like CoSiCoSt (C-DAC) & SCOOT.	The system shall have a distributed architecture of sub- systems so that signalized junctions can be appropriately grouped into sub-areas or Corridors (min 2 and upto 255 controllers) Initially to be designed for 100 Junctions and scalable to 256 Junctions	ITMS		
Vol.2	3016	TNPL	Vol-2, Page 210, 5.4.1.3		Up to 100 users should be able to connect to the central ATSC system and up to 30 users to regional computer controlling sub-systems with varying levels of security and access at the same time the proposed ATSC system shall be scalable to include any additional junctions in the future.	Please remove this clause This requirement is again SCATS specific which aagain in our view is not suitable for Indian Scenario . ATCS systems do not use Regional computers so there is no requirement for 30 regional users. an you also explain the need for 100 ATCS users to undertsna the requirement.	Min 25 users should be able to connect to the central ATSC system and controlling with varying levels of security and access at the same time.The proposed ATSC system shall be scalable to include any additional junctions in the future	ITMS		
Vol.2	3017	TNPL	Vol-2, Page 210, 5.4.1.3		When a link is established between two subsystems, the cycle generator of the subsystem linking is speeded up or slowed down (i.e. the cycle time of the subsystem is increased or decreased) until the specified relationship between the two subsystems is achieved. If a junction in a subsystem is required to change its grouping frequently depending on traffic conditions, it should be dynamically linked or delinked with other subsystems.	Request Please remove this clause This is not a generic requirement and specific SCATS system	Clause stands deleted	ITMS		
Vol.2	3018	TNPL	Vol-2, Page 222, 5.4.1.4		d) 32bit processor with 2 MB or more flash as nonvolatile storage, 256 KB or more as RAM, with a provision of adding minimum 32 GB through an external SD Card/USB	Request Please remove This is not a generic requirement. In an ATCS scenario, the requirememnt of 512 K flash and 128 K RAM and need for additional SD cards is not understood. This appears to be specific to some solution and is not needed to meet the objective of this RFP	Tender conditions shall prevail	ITMS		
Vol.2	3019	TNPL	Vol-2, Page 222, 5.4.1.4		The Traffic Signal Controller equipment should be 64-bit micro controller solid state traffic signal lamp switching module with the ability to program any combination of traffic signal stages, phases, and junction groups with conflict monitoring facility.	Request please remove 32 bit/64 bit This is not a generic requirement as it is specific to different systems based on computing requirements and power etc. The objective of ATCS as required in the RFP needs to be satisfied by the system deployed	The Traffic Signal Controller equipment should be 32/64-bit micro controller solid state traffic signal lamp switching module with the ability to program any combination of traffic signal stages, phases, and junction groups with conflict monitoring facility.	ITMS		
Vol.2	3020	TNPL	I-2, Page 224, 5.4.1.6		Operating Temperature Range: As per NOIDA weather conditions Turn Off/Turn ON Time: 75 milli seconds max	Request Please remove this clause Typo error of NOIDA	Operating Temperature Range: As per Guwahati weather conditions Turn Off/Turn ON Time: 75 milli seconds max	ITMS		

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Vol.2	3021	TNPL	Vol-2, Page 225, 5.4.1.7		The ATCC system shall be deployed on city road primarily on city's entry, exit and at major points of intersection in NOIDA, the objective of the sub-system is to collect traffic data at major points.	Please provide the Quantity and Location of ATCC in BoQ type error of NOIDA to be corrected	The ATCC system shall be deployed on city road primarily on city's entry, exit point and other major points where other systems are not covered in Guwahati.	ITMS		
Vol.2	3033	Veirnt CIS India Pvt Ltd	5.4.1.5 Camera /Thermal Vehicle Detector	223	5.4.1.5 Camera /Thermal Vehicle Detector	Please make it to 4D Radar. Camera cannot detect vehicles at long distance, cannot work FOG DARK, cannot work with dirt It is impossible that camera can full fill the functional requirement mentioned in (2, 3, 4) Also please mention the queue length and distance how much detector has to see. To make any city smart and work with indian traffic it should be minimum 150 meters as city as on date already have more than 120 meters queue length in many junctions	Radar /Thermal Vehicle Detector	ITMS		
Vol.2	3034	Veirnt CIS India Pvt Ltd	5.4.1.7 Automatic Traffic Counting and Classification System (ATCC) – Video / Thermal	226	Point 11-The ATCC system shall meet the following accuracy levels when compared with actual data collected using other means at each location of all the installed locations (minimum accuracy requirements) in day and night & in FOG & poor visibility situations. <ul style="list-style-type: none"> Counting of vehicles: > 90% Classification of vehicles (w.r.t. each class): > 80% 	The functional requirements cannot be met by camera. It should be either thermal or Radar. Camera cannot work in FOG, poor visibility, with dirt on the face, rains, poor visibility (Twilight condition) and cannot see enough distance. REQUEST YOU TO PLEASE MAKE IT 4D radar and Add Range of 150 meter	tender conditions shall prevail	ITMS		
Vol.2	3035	Veirnt CIS India Pvt Ltd	5.4.1.7 Automatic Traffic Counting and Classification System (ATCC) – Video / Thermal	226	18-ATCC shall be able to process simultaneously at least 100 vehicles and parallel passages of the vehicles at that location at a given point of time and provide queue length estimation for minimum 85 meters	It is important that vehicle detectors see at STOP LINE AND QUEUE together at 85 meter and detect queue length as well as do good analytics to reach results. This is not possible as cameras have limits . Please make it 4D radar make length estimation to 150 meters. In times of traffic 85 meters is nothing and System will work on saturation stage	Tender conditions shall prevail	ITMS		
Vol.2	3036	Veirnt CIS India Pvt Ltd	5.4.1.7 Automatic Traffic Counting and Classification System (ATCC) – Video / Thermal	226	21-The ATCC should be able to count and classify the vehicles with minimum accuracy requirements for vehicles traveling between 20 kmph to 120 kmph speeds.	In dark, fog, bad light condition, twilight, dirt on camera it cannot work.. Camera is not capable to do this. Please add radar/thermal	Tender conditions shall prevail	ITMS		
Vol.2	3037	Veirnt CIS India Pvt Ltd	5.4.1.7 Automatic Traffic Counting and Classification System (ATCC) – Video / Thermal	227	Classification in day, night and FOG conditions	Only radar can provide it with good accuracy as asked in bid All leading cities like Delhi, Mumbai and many other cities radars are shorted based on its performance. We request you to please allow the same	tender conditions shall prevail	ITMS		
Vol.2	3038	Veirnt CIS India Pvt Ltd	5.4.2.3 Technical Specification - Red Light Violation Detection (RLVD)Systems	236	5.4.2.3 Technical Specification - Red Light Violation Detection (RLVD)Systems	Some of the specifications are closed . We request you to please allow certified cameras as per solution requirement as many features like protocols are not important	Tender conditions shall prevail	ITMS		

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Vol.2	3039	Veirnt CIS India Pvt Ltd	5.4.2.6 ANPR HW Requirements	244	5.4.2.6 ANPR HW Requirements	Specifications like shutter speed and minimum illumination require is irrelevant as in ANPR shutter speed of 1/1000 or max 1/1000 cannot be used. More over similiary very low illumination cannot be used because of various reasons.	1/25 TO 1/15000 SHUTTER SPEED	ITMS		
Vol.2	3040	Veirnt CIS India Pvt Ltd	5.4.2.6 ANPR HW Requirements	244	WDR Up to 140 dB	WDR should be less or not relvant as its IP camera	Clause to be read as WDR >= 120 Db for both ANPR & RLVD Camera	ITMS		
Vol.2	3041	Veirnt CIS India Pvt Ltd	5.4.3 Speed Violation Detection System (SVD)	249	5.4.3.2 Speed Violation Detection System Requirements	No TEST REPROTS OR CERTIFICATION/TYPE APPROVAL/LEGAL DECREEE IS ASKED. PLEASE CONFIRM. We strongly suggests that to safeguard Client TEST reports and Certificates should be Must for the system.	Tender conditions shall prevail	ITMS		
Vol.2	3042	Veirnt CIS India Pvt Ltd	5.4.3 Speed Violation Detection System (SVD)	249	TEST REPORTS	We suggests that test reports in accordance to OIML R 91 & D11 and welmec 7.2 should be asked as it gurantees proper testing of proposed systems. Else only compartive reports will be submitted which are not good for fineing citizens	Proper test Reports and Certification for Speed in accordance to OIML R 91 D11 and welmec7.2	ITMS		
Vol.2	3043	Veirnt CIS India Pvt Ltd	5.4.3 Speed Violation Detection System (SVD)	249	MAF	Please confirm if MAF of RADAR is also required .	MAF of RADAR OEM is required. MSI to make sure that the proposed detector has got frequency clearance as per government of India norms.	ITMS		
Vol.2	3044	Veirnt CIS India Pvt Ltd	5.4.3 Speed Violation Detection System (SVD)	249	Minimum refrence	Can we quote for a new system or a minimum PQ is required.	Tender conditions shall prevail	ITMS		
Vol.2	3045	Veirnt CIS India Pvt Ltd	Volume 2: Scope of Work & Technical Specifications; 5.4.1.3 ATSC Software Application	210	The system shall have a distributed architecture of subsystems and structured so that signalized junctions can be appropriately grouped into sub-areas or sub-systems (minimum 2 and up to 250). Sub-areas are to be controlled by a regional computer.	Sir we would like to bring that entire specifications of the ATCS is mix and match of various technologies and trully speaking no company will qualify 100% .except who will give false compliance.	The system shall have a distributed architecture of sub- systems so that signalized junctions can be appropriately grouped into sub-areas or Corridors (min 2 and upto 255 controllers) Initially to be designed for 100 Junctions and scalable to 256 Junctions	ITMS		
Vol.2	3046	Veirnt CIS India Pvt Ltd	Volume 2: Scope of Work & Technical Specifications; 5.4.1.3 ATSC Software Application	210	Up to 100 users should be able to connect to the central ATSC system and up to 30 users to regional computer controlling sub-systems with varying levels of security and access at the same time the proposed ATSC system shall be scalable to include any additional junctions in the future.	It looks SCATS but many other line items are cosi cot and many OCIT.. We strongly syggets you please also approve the protocols	Min 25 users should be able to connect to the central ATSC system and controlling with varying levels of security and access at the same time.The proposed ATSC system shall be scalable to include any additional junctions in the future	ITMS		
Vol.2	3047	Veirnt CIS India Pvt Ltd	Volume 2: Scope of Work & Technical Specifications; 5.4.1.3 ATSC Software Application	212	When a link is established between two subsystems, the cycle generator of the subsystem linking is speeded up or slowed down (i.e. the cycle time of the subsystem is increased or decreased) until the specified relationship between the two subsystems is achieved. If a junction in a subsystem is required to change its grouping frequently depending on traffic conditions, it should be dynamically linked or delinked with other subsystems.	This requirement seems to SCATS specific. Composite Signal Control strategy as mentioned in RFP do not use regional computers.	Tender clause stands deleted	ITMS		

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Vol.2	3048	Veirnt CIS India Pvt Ltd	Volume 2: Scope of Work & Technical Specifications; 5.4.1.4 Traffic Signal Controller; Technical specification of controllers	222	d) 32bit processor with 2 MB or more flash as nonvolatile storage, 256 KB or more as RAM, with a provision of adding minimum 32 GB through an external SD Card/USB	It does not make sense and should be specific to the technology. We also suggest to add 4.3 inch LCD and a Police panel which are must	Tender conditions shall prevail	ITMS		
Vol.2	3049	Veirnt CIS India Pvt Ltd	Volume 2: Scope of Work & Technical Specifications; 5.4.1.4 Traffic Signal Controller; Technical specification of controllers	221 & 222	2. b) The Traffic Signal Controller equipment should be 32/64-bit micro controller solid state traffic signal lamp switching module 10. The Traffic Signal Controller equipment should be 64-bit micro controller solid state traffic signal lamp switching module with the ability to program any combination of traffic signal stages, phases, and junction groups with conflict monitoring facility.	The Traffic Signal Controller equipment should be 32/64-bit . We strongly suggest to add SIL 3 certificate and all En Certifications along with ISO and reference list of atleast 200 controllers etc in the project. Rather than crossing it to a technology	10. The Traffic Signal Controller equipment should be 32/64-bit micro controller solid state traffic signal lamp switching module with the ability to program any combination of traffic signal stages, phases, and junction groups with conflict monitoring facility.	ITMS		
Vol.2	3050	Veirnt CIS India Pvt Ltd	Volume 2: Scope of Work & Technical Specifications; 5.4.1.6 Traffic Light Aspects	224	Operating Temperature Range: As per NOIDA weather conditions Turn Off/Turn ON Time: 75 milli seconds max	The specifications are from NOIDA.	Operating Temperature Range: As per Guwahati weather conditions Turn Off/Turn ON Time: 75 milli seconds max	ITMS		
Vol.2	3101	CINEWORTH Sales & Service	5.4.2.3 Technical Specification - Red Light Violation Detection (RLVD)Systems	237	f.Lens - Auto IRIS 5~50mm /8 – 40 mm, F1.4	For the RLVD system, the capture point is most important, too far away or too near are both not suitable. And there are many different the focal length of lens for RLVD, such as 11~40mm. IF only limit the range of focal length into larger than 5~50mm, then it will limit your choice and add your cost. So suggest you to amend the Auto IRIS 5~50mm /11 – 40 mm, F1.4	Clause to be read as Lens Lens - Auto IRIS 5~50mm /11– 40 mm, F1.4 bidder can select as per requirement	ITMS		
Vol.2	3102	CINEWORTH Sales & Service	5.4.2.5 Technical Specification - ANPR SW Requirements. 5.4.2.6 ANPR HW Requirements	244	3.Lens & Resolutions: 5-50mm Lens & 2-MP - 1920x 1080p	For the ANPR system, the capture point is most important, too far away or too near are both not suitable. And there are many different the focal length of lens for ANPR, such as 11~40mm. IF only limit the range of focal length into larger than 5~50mm, then it will limit your choice and add your cost. So suggest you to amend the Auto IRIS 5~50mm /11 – 40 mm, F1.4	Clause to be read as Lens & Resolution : 5-50mm/9-40mm/ 4-12mm Lens & 2-MP - 1920x 1080p for both ANPR & RLVD Camera, bidder can select as per requirement	ITMS		
Vol.2	3103	CINEWORTH Sales & Service	5.4.2.5 Technical Specification - ANPR SW Requirements. 5.4.2.6 ANPR HW Requirements	245	14.Video Compression: H.264, H.265, MPEG-4 & MJPEG	MPEG-4 is an old technology which is obsolete, thus, requesting to remove MPEG-4	tender conditions shall prevail	ITMS		
Vol.2	3104	CINEWORTH Sales & Service	5.4.2.5 Technical Specification - ANPR SW Requirements. 5.4.2.6 ANPR HW Requirements	245	18.Image Resolution (Primary stream) Resolution (Secondary stream) Resolution (Mobile stream) Mainstream: 2MP @50 FPS to 60 FPS, Sub stream: D1@ 50FPS to 60 FPS	Sub Stream resolution are used for remote viewing with limited bandwidth, such hif=gh fps of 60/50fps is not recommended thus, requesting to amend the clause to Substream: D1 @ 25/30fps	Clause stands deleted	ITMS		
Vol.2	3105	CINEWORTH Sales & Service	5.4.2.5 Technical Specification - ANPR SW Requirements. 5.4.2.6 ANPR HW Requirements	246	26.LED type : 12 pieces dot matrix array LED or better	12 pieces dot matrix array LED is brand specific, for ANPR camera Supplement light is enough, no need to limit LED number, thus, requesting to remove this clause.	Bidder to consider the separate illuminator as per RFP Specs, 850nm is IR Standard wavelength for both ANPR & RLVD Camera	ITMS		

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Vol.2	3106	CINEWORT H Sales & Service	5.4.2.7 IR – Illuminator (In case of Separate IR)	246	2.Wavelength Type : 850 nm semi-covert	Semi covert type of IR illuminator is brand specific, in order to stand fair chance for other OEM's to bid, requesting to make genric clause and ammend to Type : 850 nm IR Housing	Tender conditions shall prevail	ITMS		
Vol.2	3107	CINEWORT H Sales & Service	5.4.2.7 IR – Illuminator (In case of Separate IR)	246	3.Beam Angles: 10°, 20°, 30°, 60°, 80°, and 95°	As beam angles differ OEM to OEM, requesting to provide an option as aper OEM to serve the purpose.	Beam Angles : as per OEM requirement for ITMS only	ITMS		
Vol.2	3108	CINEWORT H Sales & Service	5.4.3 Speed Violation Detection System (SVD), 5.4.3.6 Radar Requirements	252	a) The proposed violation detection device shall be of 4D tracking radar	3D tracking radar is mostly used in SVDS, thus , requesting to provide an option of using 3D radar along with 4D radar	Tender conditions shall prevail	ITMS		
Vol.2	3109	CINEWORT H Sales & Service	5.4.3 Speed Violation Detection System (SVD), 5.4.3.6 Radar Requirements	252	b) The detection device shall automatically monitor the speeds of each and every individual vehicle up to 4 traffic lanes simultaneously.	RADAR and Supplement light for better system performance is recommended to have one lane per unit,thus, requesting to ammend the clause to The detection device shall automatically monitor the speeds of each and every individual vehicle up to one traffic lane.	Tender conditions shall prevail	ITMS		
Vol.2	3110	CINEWORT H Sales & Service	5.4.3 Speed Violation Detection System (SVD), 5.4.3.6 Radar Requirements	253	Technology: 4D Object Tracking (Range, Angle, Speed, Time) with UHD Resolution, independent discrimination of multiple targets at same speed and same range	3D tracking radar is mostly used in SVDS, thus , requesting to provide an option of using 3D radar along with 4D radar	Tender conditions shall prevail	ITMS		
Vol.2	3111	CINEWORT H Sales & Service	5.4.3 Speed Violation Detection System (SVD), 5.4.3.6 Radar Requirements	253	SimultaneouslyTrackedObjects: 100 or higher	Simultaneously tracking of 100 objects is not that much required, thus, requesting to ammend the clause to providing speed of all the vehicles of the respective lane through RADAR.	tender conditions shall prevail	ITMS		
Vol.2	3112	CINEWORT H Sales & Service	5.4.3 Speed Violation Detection System (SVD), 5.4.3.6 Radar Requirements	254	d) The digital camera must be capable of producing high quality optical color images, without the need for digital image enhancement, over a minimum of 4 traffic lanes in any direction such that:	Single camera to capture 4 Traffic lanes will cause accuracy issue, different OEM have different solution, 9MP camera for SVDS can capture upto 2 traffic lanes, thus, requesting to accept.	a) The System shall be complimented with IR Technology to provide the necessary lighting for a visible photograph to capture vehicle to cover all lanes as per bidder solution and the intensity is based on the ambient light level detected by the system	ITMS		
Vol.2	3113	CINEWORT H Sales & Service	5.4.3.8 Flash Unit Requirements	254	a) The System shall be completed with at least 1 flash unit to provide the necessary lighting for a visible photograph to capture vehicle on a minimum 4 lanes traffic road, and the intensity is based on the ambient light level detected by the system	Flash Unit for better system performance is recommended to have one lane per unit,thus, requesting to ammend the clause to The System shall be completed with at least 1 flash unit to provide the necessary lighting for a visible photograph to capture vehicle on a minimum 1 lane traffic road, and the intensity is based on the ambient light level detected by the system	The System shall be completed with at least 1 pulse IR unit to provide the necessary lighting for a visible photograph to capture vehicle on a minimum 4 lanes traffic road, and the intensity is based on the ambient light level detected by the system	ITMS		

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657	Trans Virtual Pvt Ltd.	Page 306, Clause 5.5.5, RF Connectivity, Sl. No. 7, Page 308, Clause 5.5.6, Sl. No. 6, Page 312, Clause 5.5.8 Sl. No. 5	Page 306, Clause 5.5.5, RF Connectivity, Sl. No. 7, Page 308, Clause 5.5.6, Sl. No. 6, Page 312, Clause 5.5.8 Sl. No. 5	Radio System should support Channel Bandwidth of 20,40,80 MHz	Radio System should support Channel Bandwidth of 20,40 MHz	Radio System should support Channel Bandwidth of 20,40 MHz	Radio		80MHz for Point of Point or Point/Multipoint radio is not a recommended technical choice. It is primarily devised for Wi-Fi devices which are to provide short range connectivity (private area network or local area network) and not suitable for long diatnace connectivity (Field Area Network or Wide area network)
658	Trans Virtual Pvt Ltd.	Page 312, Clause 5.5.8 Sl. No. 41	Page 312, Clause 5.5.8 Sl. No. 41	Certification 1. MEP	Remove the certification	Clause stands deleted	Radio		

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Vol.2	1245	STL - Sterlite Technologies Limited	5.5.5 Wireless RF for redundant Connectivity - Short	306	Radio should support Wind speed (operational) of 170km/h.	As per our understanding, Tower & Pole infrastructure support the 170 Km/h . Kindly confirm.	Tender Conditions Shall Prevail	Radio		
Vol.2	1246	STL - Sterlite Technologies Limited	5.5.5 Wireless RF for redundant Connectivity - Short	306	The radio should support IPv4 & IPv6 protocol filtering and prioritization	Please clarify, RF radio presently working on IPv4 Protocol Only	Tender Conditions Shall Prevail	Radio		
Vol.2	1247	STL - Sterlite Technologies Limited	5.5.7 Point-to-Point (P2P) Connectivity -	312	39 Wind Survival 200 km/h	Please clarify, Wind Radio should support Wind speed 200M or 170 KM ?	Tender Conditions Shall Prevail	Radio		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	3013	TNPL	Vol-2,Page 306, Clause 5.5.5, RF Connectivity, Sl. No. 7, Page 308, Clause 5.5.6, Sl. No. 6, Page 312, Clause 5.5.8 Sl. No. 5		Radio System should support Channel Bandwidth of 20,40,80 MHz	Request Please modify the clause Radio System should support Channel Bandwidth of 20,40 MHz 80Mhz for Point of Point or Point to Multipoint is not a recommended choice as its primarily used for Wi-Fi devices where range (less than 100 mts) and interference are minimum.	Radio System should support Channel Bandwidth of 20,40 MHz	Radio		80MHz for Point of Point or Point/Multipoint radio is not a recommended technical choice. It is primarily devised for Wi-Fi devices which are to provide short range connectivity (private area network
Vol.2	3014	TNPL	Vol-2,Page 312, Clause 5.5.8 Sl. No. 41		Certification 1. MEP	Can you please elaborate on what is required here	Clause deleted	Radio		

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Vol.2	68	NetApps	Volume 2, 5.3.11 Storage Specification, Clause 3, a	198	a) Storage Solution with NSPoF (No single point of failure) Architecture. The architecture should allow modular upgrades of hardware and software for investment protection. The system must support 12 Gbps SAS Disk Drives (Latest Drive interface) and SATA/NL-SAS Disk Drives (latest Drive interface).	To meet the performance and Capacity requirement of we recommend to establish minimum memory/cache for the storage system. We request you to change this clause and read it as " a) Storage Solution with NSPoF (No single point of failure) Architecture with minimum 128GB memory across controllers. The architecture should allow modular upgrades of hardware and software for investment protection. The system must support 12 Gbps SAS Disk Drives (Latest Drive interface) and SATA/NL-SAS Disk Drives (latest Drive interface). "	Storage Solution with NSPoF (No single point of failure) Architecture with minimum 128GB memory across controllers. The architecture should allow modular upgrades of hardware and software. The system must support 12 Gbps SAS Disk Drives (Latest Drive interface) and SATA/NL- SAS Disk Drives (latest Drive interface).	Storage		
Vol.2	69	NetApps	Volume 2, 5.3.11 Storage Specification, Clause 5, h	199	h). Storage should support automated tiering feature	Surveillance Storage to store Video Feeds would primary be configured with a Single Disk Type. A configuration with single disk type may not need Automated Tiering Feature. Also, in place of tiering flash cache may offer performance benefits which may be expected by the having tiering. We request you please modify this clause and read it as " h). Storage should support automated tiering feature or flash/SSD cache"	Storage should support automated tiering feature for flash/SSD cache	Storage		
Vol.2	70	NetApps	Volume 2, 5.3.11 Storage Specification, Clause 5, h	199	f). Should be able to scale out without service interruption	Storage system offer capabilities to Scale-Up and Scale-Out to provide capabilities to add more capacity in future. Both the options allows to expand the capacity on the storage. We request you to please allow both scalability options and change this clause to read as " f). Should be able to scale out/ scale up without service interruption"	Should be able to scale out/ scale up without service interruption	Storage		
Vol.2	71	NetApps	Volume 2, 5.3.11 Storage Specification, Clause 8, h	200	e) Should provide the functionality of proactive monitoring of Disk drive and Storage system for all possible disk failures	Proactive monitoring of Disk drives can take care of Latent Disk Errors and maintain data integrity due to bad or unreadable blocks on disks. However, it won't be able to take care of Silent Errors. To enhance Data Integrity Storage System support industry standard T10-PI. T10-PI offer integrity check from end-to-end. Hence we request you to change this clause and read it as " e) Should provide the functionality of proactive monitoring of Disk drive and Storage system for all possible disk failures. Storage should also support T10-PI standard for end-to-end data integrity check"	Should provide the functionality of proactive monitoring of Disk drive and Storage system for all possible disk failures. Storage should also support T10-PI standard for end-to-end data integrity check	Storage		
Vol.2	72	NetApps	Volume 2, 5.3.11 Storage Specification, Clause 9, e	201	e) The OEM should have Service Centre in Eastern part of India	NetApp offer Services through authorized partners through out India and hence request you to please incorporate the same in the clause. We request you to change this clause and read it as " e) The OEM should have Service Centre or Authorised Service Provider in Eastern part of India"	The OEM should have Service Centre or Authorised Service Provider in Eastern part of India	Storage		
Vol.2	131	Dell International Services Ltd Private Limited	Vol 2, 5.3.11 Storage Specifications, clause 5 (b)	199	Should support various RAID levels (0, 1, 6, 10/DP or equivalent)	Should support various RAID levels (5, 6/DP or equivalent)	Tender conditions shall prevail	Storage		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	306	ITI Limited	Vol 2 , Storage Specifications	page No. 198	a) Storage Solution with NSPoF (No single point of failure) Architecture. The architecture should allow modular upgrades of hardware and software for investment protection. The system must support 12 Gbps SAS Disk Drives (Latest Drive interface) and SATA/NL-SAS Disk Drives (latest Drive interface).	Storage Solution with NSPoF (No single point of failure) Architecture. The solution should be scale out architecture supporting at least 24 Controllers/Storage nodes. Each Storage controller/Node should have 128 GB DRAM/Cache and should not host more than 650 TB RAW capacity. Overall Solution should be scalable to provide Single namespace >70 PB. The architecture should allow modular upgrades of hardware and software for investment protection. The system must support 12Gbps SAS/SSD Disk Drives (Latest Drive interface) and SATA/NL-SAS Disk Drives (latest Drive interface).	Tender conditions shall prevail	Storage		
Vol.2	307	ITI Limited	Vol 2 , Storage Specifications	page No. 199	Storage should support automated tiering feature	To be removed	Storage should support automated tiering feature for flash/SSD cache	Storage		
Vol.2	308	ITI Limited	Vol 2 , Storage Specifications	page No. 200	Should have minimum of 8x10/40 Gbe or 8x16Gb FC Host ports	Each controller/Node Should have minimum of 4 *25 Gbe or 4x32Gb FC Host ports	Tender conditions shall prevail	Storage		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	1047	eCentric Solutions Private Limited	page No. 198, Storage Specifications	page No. 198, Storage Specifications	a) Storage Solution with NSPoF (No single point of failure) Architecture. The architecture should allow modular upgrades of hardware and software for investment protection. The system must support 12 Gbps SAS Disk Drives (Latest Drive interface) and SATA/NL-SAS Disk Drives (latest Drive interface).	Storage Solution with NSPoF (No single point of failure) Architecture. The solution should be scale out architecture supporting at least 24 Controllers/Storage nodes. Each Storage controller/Node should have 128 GB DRAM/Cache and should not host more than 650 TB RAW capacity. Overall Solution should be scalable to provide Single namespace >70 PB. The architecture should allow modular upgrades of hardware and software for investment protection. The system must support 12Gbps SAS/SSD Disk Drives (Latest Drive interface) and SATA/NL-SAS Disk Drives (latest Drive interface).	Storage Solution with NSPoF (No single point of failure) Architecture with minimum 128GB memory across controllers. The architecture should allow modular upgrades of hardware and software. The system must support 12 Gbps SAS Disk Drives (Latest Drive interface) and SATA/NL- SAS Disk Drives (latest Drive interface).	Storage		
Vol.2	1048	eCentric Solutions Private Limited	page No. 199, Storage Specifications	page No. 199, Storage Specifications	Storage should be offered with minimum 3 PB usable capacity. (Primary for 30 Days + 5 PB for 90 Days Secondary Flagged Data)	Storage solution should be offered with minimum 3 PB usable capacity. (Primary for 30 Days + 5 PB for 90 Days Secondary Flagged Data)	Tender conditions shall prevail	Storage		
Vol.2	1049	eCentric Solutions Private Limited	page No. 199, Storage Specifications	page No. 199, Storage Specifications	Storage Capacity should be as per Overall Solution Requirement (usable, after configuring in offered RAID configuration)	Storage Capacity should be as per Overall Solution Requirement (usable, after configuring in offered RAID/Erasure coded configuration)	Tender conditions shall prevail	Storage		
Vol.2	1050	eCentric Solutions Private Limited	page No. 199, Storage Specifications	page No. 199, Storage Specifications	Should support various RAID levels (0, 1, 6, 10/DP or equivalent)	Should support various RAID levels 1, 6, 10 or equivalent Erasure Coding Configurations	Tender conditions shall prevail	Storage		
Vol.2	1051	eCentric Solutions Private Limited	page No. 199, Storage Specifications	page No. 199, Storage Specifications	Storage should support automated tiering feature	To be removed	Storage should support automated tiering feature for flash/SSD cache	Storage		
Vol.2	1052	eCentric Solutions Private Limited	page No. 200, Storage Specifications	page No. 200, Storage Specifications	Should have minimum of 8x10/40 Gbe or 8x16Gb FC Host ports	Each controller/Node Should have minimum of 4 *25 Gbe or 4x32Gb FC Host ports	Tender conditions shall prevail	Storage		
Vol.2	1053	eCentric Solutions Private Limited	page No. 200, Storage Specifications	page No. 200, Storage Specifications	Storage shall have minimum front-end support for 16Gb and backend support for minimum 12Gb.	Each Storage controller/Node shall have minimum front-end (network) support for 25Gb and backend support for minimum 12Gb.	Tender conditions shall prevail	Storage		
Vol.2	1054	eCentric Solutions Private Limited	page No. 200, Storage Specifications	page No. 200, Storage Specifications	All the necessary software (GUI Based) to configure and manage the storage space, RAID configuration, logical drives allocation, snapshots etc. are to be provided for the entire system proposed.	All the necessary software (GUI Based) to configure and manage the storage space, RAID/Erasure coding configuration, logical drives allocation, snapshots etc. are to be provided for the entire system proposed.	Tender conditions shall prevail	Storage		
Vol.2	1055	eCentric Solutions Private Limited	page No. 201, Storage Specifications	page No. 201, Storage Specifications	Additional parameter	Storage feature: The solution should provide inbuilt native deduplication and compression capabilities	Tender conditions shall prevail	Storage		
Vol.2	1174	Honeywell Automation India Limited	Vol-2 Storage Specifications	201	For Secondary Storage, specification of Primary Storage may be considered changing the capacity to same or higher TB.	As mentioned in other clauses in RFP"balance 60 days will be on low cost secondary storage /tape library.".Please allow bidder to design secondary storage as per their design specification	Tender conditions shall prevail	Storage		
Vol.2	1175	Honeywell Automation India Limited	Vol-2 Storage Specifications	200	Should support disaster recovery mechanism natively	Please delete the same as it can restrict OEM Participation	Tender conditions shall prevail	Storage		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	1418	BSNL	page No. 198, Storage Specifications	page No. 198, Storage Specifications	a) Storage Solution with NSPoF (No single point of failure) Architecture. The architecture should allow modular upgrades of hardware and software for investment protection. The system must support 12 Gbps SAS Disk Drives (Latest Drive interface) and SATA/NL-SAS Disk Drives (latest Drive interface).	Storage Solution with NSPoF (No single point of failure) Architecture. The solution should be scale out architecture supporting at least 24 Controllers/Storage nodes. Each Storage controller/Node should have 128 GB DRAM/Cache and should not host more than 650 TB RAW capacity. Overall Solution should be scalable to provide Single namespace >70 PB. The architecture should allow modular upgrades of hardware and software for investment protection. The system must support 12Gbps SAS/SSD Disk Drives (Latest Drive interface) and SATA/NL-SAS Disk Drives (latest Drive interface).	Storage Solution with NSPoF (No single point of failure) Architecture with minimum 128GB memory across controllers. The architecture should allow modular upgrades of hardware and software. The system must support 12 Gbps SAS Disk Drives (Latest Drive interface) and SATA/NL- SAS Disk Drives (latest Drive interface).	Storage		
Vol.2	1419	BSNL	page No. 199, Storage Specifications	page No. 199, Storage Specifications	Storage should support automated tiering feature	To be removed	Storage should support automated tiering feature for flash/SSD cache	Storage		
Vol.2	1420	BSNL	page No. 200, Storage Specifications	page No. 200, Storage Specifications	Should have minimum of 8x10/40 Gbe or 8x16Gb FC Host ports	Each controller/Node Should have minimum of 4 *25 Gbe or 4x32Gb FC Host ports	Tender conditions shall prevail	Storage		
Vol.2	1485	Bharat Electronics Ltd.	page No. 198, Storage Specifications	page No. 198, Storage Specifications	a) Storage Solution with NSPoF (No single point of failure) Architecture. The architecture should allow modular upgrades of hardware and software for investment protection. The system must support 12 Gbps SAS Disk Drives (Latest Drive interface) and SATA/NL-SAS Disk Drives (latest Drive interface).	Storage Solution with NSPoF (No single point of failure) Architecture. The solution should be scale out architecture supporting at least 24 Controllers/Storage nodes. Each Storage controller/Node should have 128 GB DRAM/Cache and should not host more than 650 TB RAW capacity. Overall Solution should be scalable to provide Single namespace >70 PB. The architecture should allow modular upgrades of hardware and software for investment protection. The system must support 12Gbps SAS/SSD Disk Drives (Latest Drive interface) and SATA/NL-SAS Disk Drives (latest Drive interface).	Storage Solution with NSPoF (No single point of failure) Architecture with minimum 128GB memory across controllers. The architecture should allow modular upgrades of hardware and software. The system must support 12 Gbps SAS Disk Drives (Latest Drive interface) and SATA/NL- SAS Disk Drives (latest Drive interface).	Storage		
Vol.2	1486	Bharat Electronics Ltd.	page No. 199, Storage Specifications	page No. 199, Storage Specifications	Storage should support automated tiering feature	To be removed	Storage should support automated tiering feature for flash/SSD cache	Storage		
Vol.2	1487	Bharat Electronics Ltd.	page No. 200, Storage Specifications	page No. 200, Storage Specifications	Should have minimum of 8x10/40 Gbe or 8x16Gb FC Host ports	Each controller/Node Should have minimum of 4 *25 Gbe or 4x32Gb FC Host ports	Tender conditions shall prevail	Storage		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	1577	Cisco Systems, Inc.	page No. 198, Storage Specifications	page No. 198, Storage Specifications	a) Storage Solution with NSPoF (No single point of failure) Architecture. The architecture should allow modular upgrades of hardware and software for investment protection. The system must support 12 Gbps SAS Disk Drives (Latest Drive interface) and SATA/NL-SAS Disk Drives (latest Drive interface).	Storage Solution with NSPoF (No single point of failure) Architecture. The solution should be scaled out architecture supporting at least 24 Controllers/Storage nodes. Each Storage controller/Node should have 128 GB DRAM/Cache and should not host more than 650 TB RAW capacity. Overall Solution should be scalable to provide Single namespace >70 PB. The architecture should allow modular upgrades of hardware and software for investment protection. The system must support 12Gbps SAS/SSD Disk Drives (Latest Drive interface) and SATA/NL-SAS Disk Drives (latest Drive interface).	Storage Solution with NSPoF (No single point of failure) Architecture with minimum 128GB memory across controllers. The architecture should allow modular upgrades of hardware and software. The system must support 12 Gbps SAS Disk Drives (Latest Drive interface) and SATA/NL- SAS Disk Drives (latest Drive interface).	Storage		
Vol.2	1578	Cisco Systems, Inc.	page No. 199, Storage Specifications	page No. 199, Storage Specifications	Storage should be offered with minimum 3 PB usable capacity. (Primary for 30 Days + 5 PB for 90 Days Secondary Flagged Data)	Storage solution should be offered with minimum 3 PB usable capacity. (Primary for 30 Days + 5 PB for 90 Days Secondary Flagged Data)	Tender conditions shall prevail	Storage		
Vol.2	1579	Cisco Systems, Inc.	page No. 199, Storage Specifications	page No. 199, Storage Specifications	Storage Capacity should be as per Overall Solution Requirement (usable, after configuring in offered RAID configuration)	Storage Capacity should be as per Overall Solution Requirement (usable, after configuring in offered RAID/Erasure coded configuration)	Tender conditions shall prevail	Storage		
Vol.2	1580	Cisco Systems, Inc.	page No. 199, Storage Specifications	page No. 199, Storage Specifications	Should support various RAID levels (0, 1, 6, 10/DP or equivalent)	Should support various RAID levels 1, 6, 10 or equivalent Erasure Coding Configurations	Tender conditions shall prevail	Storage		
Vol.2	1581	Cisco Systems, Inc.	page No. 199, Storage Specifications	page No. 199, Storage Specifications	Storage should support automated tiering feature	To be removed	Storage should support automated tiering feature for flash/SSD cache	Storage		
Vol.2	1582	Cisco Systems, Inc.	page No. 200, Storage Specifications	page No. 200, Storage Specifications	Should have minimum of 8x10/40 Gbe or 8x16Gb FC Host ports	Each controller/Node Should have minimum of 4 *25 Gbe or 4x32Gb FC Host ports	Tender conditions shall prevail	Storage		
Vol.2	1583	Cisco Systems, Inc.	page No. 200, Storage Specifications	page No. 200, Storage Specifications	Storage shall have minimum front-end support for 16Gb and backend support for minimum 12Gb.	Each Storage controller/Node shall have minimum front-end (network) support for 25Gb and backend support for minimum 12Gb.	Tender conditions shall prevail	Storage		
Vol.2	1584	Cisco Systems, Inc.	page No. 200, Storage Specifications	page No. 200, Storage Specifications	All the necessary software (GUI Based) to configure and manage the storage space, RAID configuration, logical drives allocation, snapshots etc. are to be provided for the entire system proposed.	All the necessary software (GUI Based) to configure and manage the storage space, RAID/Erasure coding configuration, logical drives allocation, snapshots etc. are to be provided for the entire system proposed.	Tender conditions shall prevail	Storage		
Vol.2	1585	Cisco Systems, Inc.	page No. 201, Storage Specifications	page No. 201, Storage Specifications	Additional parameter	Storage feature: The solution should provide inbuilt native deduplication and compression capabilities	Tender conditions shall prevail	Storage		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	1822	Inspira Enterprise	RFP Vol II Section 5.3.11 Storage Specifications Capacity	199	4. <u>Capacity:</u> a) Storage should be offered with minimum 3 PB usable capacity. (Primary for 30 Days + 5 PB for 90 Days Secondary Flagged Data) b) Solution should have support for a minimum of Deployment more than 10 PB usable capacity.	Our understanding from 3PB usable capacity for 30 Days shall be part of a single storage array? Please confirm? Accordingly 5PB usable capacity for 90 days secondary flagged data shall also be a part of a single disk based secondary storage? Please confirm?	Tender conditions shall prevail	Storage		
Vol.2	1823	Inspira Enterprise	RFP Vol II Section 5.3.11 Storage Specifications Storage	199	5. <u>Storage</u> b) Should support various RAID levels (0, 1, 6, 10/DP or equivalent)	Since we use a concept of Protection level instead of using the word RAID hence Request to change this clause as "Should support various Raid Levels or Protection levels (0,1,6, 10/DO or equivalent).	Tender conditions shall prevail	Storage		
Vol.2	1824	Inspira Enterprise	RFP Vol II Section 5.3.11 Storage Specifications Storage	199	5. <u>Storage</u> e) Should support disaster recovery mechanism natively	Considering that storage will be used for Video data hence our understanding is that even if one flagged video file needs to be replicated from storage to other location - it shall be possible natively from storage. Please confirm?	Tender conditions shall prevail	Storage		
Vol.2	1825	Inspira Enterprise	RFP Vol II Section 5.3.11 Storage Specifications Storage	199	5. <u>Storage</u> f) Should be able to scale out without service interruption	Considering the requirement of 10PB scalability - Request to please specify the number of scale-out controllers requirement. Our understanding is that offered solution shall be able to scale-out at least 32 number of nodes or controllers. Please confirm?	Tender conditions shall prevail	Storage		
Vol.2	1826	Inspira Enterprise	RFP Vol II Section 5.3.11 Storage Specifications Hardware Platform	200	6. <u>Hardware Platform</u> d) Should have minimum of 8x10/40 Gbe or 8x16Gb FC Host ports. e) Storage shall have minimum front-end support for 16 Gb and backend support for minimum 12 Gb.	Seems to be typo. Since authorities have already mentioned 8 x 10/40Gbe hence clause e shall be "Storage shall have minimum front-end support for 10Gb and backed support for minimum of 12Gb. Please confirm?	Tender conditions shall prevail	Storage		
Vol.2	1937	FUTURE NETWORKS SOLUTIONS PVT. LTD.	page No. 198, Storage Specifications	page No. 198, Storage Specifications	a) Storage Solution with NSPoF (No single point of failure) Architecture. The architecture should allow modular upgrades of hardware and software for investment protection. The system must support 12 Gbps SAS Disk Drives (Latest Drive interface) and SATA/NL-SAS Disk Drives (latest Drive interface).	Storage Solution with NSPoF (No single point of failure) Architecture. The solution should be scale out architecture supporting at least 24 Controllers/Storage nodes. Each Storage controller/Node should have 128 GB DRAM/Cache and should not host more than 650 TB RAW capacity. Overall Solution should be scalable to provide Single namespace >70 PB. The architecture should allow modular upgrades of hardware and software for investment protection. The system must support 12Gbps SAS/SSD Disk Drives (Latest Drive interface) and SATA/NL-SAS Disk Drives (latest Drive interface).	Storage Solution with NSPoF (No single point of failure) Architecture with minimum 128GB memory across controllers. The architecture should allow modular upgrades of hardware and software. The system must support 12 Gbps SAS Disk Drives (Latest Drive interface) and SATA/NL- SAS Disk Drives (latest Drive interface).	Storage		

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Vol.2	1938	FUTURE NETWORKS SOLUTIONS PVT. LTD.	page No. 199, Storage Specifications	page No. 199, Storage Specifications	Storage should be offered with minimum 3 PB usable capacity. (Primary for 30 Days + 5 PB for 90 Days Secondary Flagged Data)	Storage solution should be offered with minimum 3 PB usable capacity. (Primary for 30 Days + 5 PB for 90 Days Secondary Flagged Data)	Tender conditions shall prevail	Storage		
Vol.2	1939	FUTURE NETWORKS SOLUTIONS PVT. LTD.	page No. 199, Storage Specifications	page No. 199, Storage Specifications	Storage Capacity should be as per Overall Solution Requirement (usable, after configuring in offered RAID configuration)	Storage Capacity should be as per Overall Solution Requirement (usable, after configuring in offered RAID/Erasure coded configuration)	Tender conditions shall prevail	Storage		
Vol.2	1940	FUTURE NETWORKS SOLUTIONS PVT. LTD.	page No. 199, Storage Specifications	page No. 199, Storage Specifications	Should support various RAID levels (0, 1, 6, 10/DP or equivalent)	Should support various RAID levels 1, 6, 10 or equivalent Erasure Coding Configurations	Tender conditions shall prevail	Storage		
Vol.2	1941	FUTURE NETWORKS SOLUTIONS PVT. LTD.	page No. 199, Storage Specifications	page No. 199, Storage Specifications	Storage should support automated tiering feature	To be removed	Storage should support automated tiering feature for flash/SSD cache	Storage		
Vol.2	1942	FUTURE NETWORKS SOLUTIONS PVT. LTD.	page No. 200, Storage Specifications	page No. 200, Storage Specifications	Should have minimum of 8x10/40 Gbe or 8x16Gb FC Host ports	Each controller/Node Should have minimum of 4 *25 Gbe or 4x32Gb FC Host ports	Tender conditions shall prevail	Storage		
Vol.2	1943	FUTURE NETWORKS SOLUTIONS PVT. LTD.	page No. 200, Storage Specifications	page No. 200, Storage Specifications	Storage shall have minimum front-end support for 16Gb and backend support for minimum 12Gb.	Each Storage controller/Node shall have minimum front-end (network) support for 25Gb and backend support for minimum 12Gb.	Tender conditions shall prevail	Storage		
Vol.2	1944	FUTURE NETWORKS SOLUTIONS PVT. LTD.	page No. 200, Storage Specifications	page No. 200, Storage Specifications	All the necessary software (GUI Based) to configure and manage the storage space, RAID configuration, logical drives allocation, snapshots etc. are to be provided for the entire system proposed.	All the necessary software (GUI Based) to configure and manage the storage space, RAID/Erasure coding configuration, logical drives allocation, snapshots etc. are to be provided for the entire system proposed.	Tender conditions shall prevail	Storage		
Vol.2	1945	FUTURE NETWORKS SOLUTIONS PVT. LTD.	page No. 201, Storage Specifications	page No. 201, Storage Specifications	Additional parameter	Storage feature: The solution should provide inbuilt native deduplication and compression capabilities	Tender conditions shall prevail	Storage		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	2310	L&T Smart World & Communication	5.1.2.4 Storage/Recording Requirements	66	Point b - 30 days storage of all the surveillance CCTV camera feeds to be stored at Data Centre and Flagged data (critical incidents) will be stored for approximately 90 days, permanent storage envisaged on secondary/backup storage	We would request to consider only "Disk based" storage as "Secondary / Backup storage" since Tape storage is almost reaching to the end of life-cycle. Considering that vendor need to maintain it for 5 years - hence would request to consider disk based Secondary / Backup storage for storing of CCTV Camera feeds. Please confirm?	Tender conditions shall prevail	Storage		
Vol.2	2311	L&T Smart World & Communication	5.1.2.4 Storage/Recording Requirements	66	Point e - 365 days storage of traffic junction data for ATSC at Data Centre and Flagged data will be stored for approximately 5 years.	Since flagged data will be stored for Approximately 5 years hence would request to consider only disk based solution. Although we can provide the Tape Based solution however considering the long term life-cycle - would request to consider Disk based solution only from both Management and data life-cycle perspective. Please confirm?	Tender conditions shall prevail	Storage		
Vol.2	2312	L&T Smart World & Communication	5.1.2.4 Storage/Recording Requirements	66	Point f - Above all systems except ITMS are required to be stored online thirty (30) days of video for all cameras on primary storage, balance 60 days will be on low cost secondary storage /tape library.	Request to remove the tape Library option. Although as vendor - we can provide the Tape library option however considering the long-term life-cycle, Data consistency and available - low cost secondary storage would be preferred option. Requesting to remove Tape Library option. Please confirm?	Tender conditions shall prevail	Storage		
Vol.2	2313	L&T Smart World & Communication	5.3.11 Storage Specifications (Point 5 - Storage)	199	Should support disaster recovery mechanism natively	Considering that storage will be used for Video data hence our understanding is that even if one flagged video file needs to be replicated from storage to other location - it shall be possible natively from storage. Please confirm?	Tender conditions shall prevail	Storage		
Vol.2	2314	L&T Smart World & Communication	5.3.11 Storage Specifications (Point 5 - Storage)	199	Should be able to scale out without service interruption	Considering the requirement of 10PB scalability - Request to please specify the number of scale-out controllers requirement. Our understanding is that offered solution shall be able to scale-out at-least 32 number of nodes or controllers. Please confirm?	Tender conditions shall prevail	Storage		
Vol.2	2315	L&T Smart World & Communication	5.3.11 Storage Specifications (Point 6 - Hardware platform)	200	d) Should have minimum of 8x10/40 Gbe or 8x16Gb FC Host ports. e) Storage shall have minimum front-end support for 16 Gb and backend support for minimum 12 Gb.	Seems to be typo. Since authorities have already mentioned 8 x 10/40Gbe hence clause e shall be "Storage shall have minimum front-end support for 10Gb and backed support for minimum of 12Gb. Please confirm?	Tender conditions shall prevail	Storage		
Vol.2	2332	L&T Smart World & Communication	page No. 198, Storage Specifications	page No. 198, Storage Specifications	a) Storage Solution with NSPoF (No single point of failure) Architecture. The architecture should allow modular upgrades of hardware and software for investment protection. The system must support 12 Gbps SAS Disk Drives (Latest Drive interface) and SATA/NL-SAS Disk Drives (latest Drive interface).	Storage Solution with NSPoF (No single point of failure) Architecture. The solution should be scale out architecture supporting at least 24 Controllers/Storage nodes. Each Storage controller/Node should have 128 GB DRAM/Cache and should not host more than 650 TB RAW capacity. Overall Solution should be scalable to provide Single namespace >70 PB. The architecture should allow modular upgrades of hardware and software for investment protection. The system must support 12Gbps SAS/SSD Disk Drives (Latest Drive interface) and SATA/NL-SAS Disk Drives (latest Drive interface).	Storage Solution with NSPoF (No single point of failure) Architecture with minimum 128GB memory across controllers. The architecture should allow modular upgrades of hardware and software. The system must support 12 Gbps SAS Disk Drives (Latest Drive interface) and SATA/NL- SAS Disk Drives (latest Drive interface).	Storage		
Vol.2	2333	L&T Smart World & Communication	page No. 199, Storage Specifications	page No. 199, Storage Specifications	Storage should support automated tiering feature	To be removed	Storage should support automated tiering feature for flash/SSD cache	Storage		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	2334	L&T Smart World & Communication	page No. 200, Storage Specifications	page No. 200, Storage Specifications	Should have minimum of 8x10/40 Gbe or 8x16Gb FC Host ports	Each controller/Node Should have minimum of 4 *25 Gbe or 4x32Gb FC Host ports	Tender conditions shall prevail	Storage		
Vol.2	2503	iValue InfoSolutions Pvt. Ltd. (Set 2)	5.3.11 Storage Specifications	Volume # 2 Page No # 201 Pt. -6	d) Should have minimum of 8x10/40 Gbe	OEM Specific, please rephrase to d) Should have minimum of 8x10 Gbe	Tender conditions shall prevail	Storage		
Vol.2	2504	iValue InfoSolutions Pvt. Ltd. (Set 2)	5.3.11 Storage Specifications	Volume # 2 Page No # 199 Pt. -5	f). Should be able to scale out without service interruption	Please rephrase "f). Should be able to scale up to max capacity mentioned in clause 4 (that is 10 TB) without any service disruption." because This specification seems to be favoring a particular OEM and hence should be changed.	Should be able to scale out/scale up without service interruption	Storage		
Vol.2	2505	iValue InfoSolutions Pvt. Ltd. (Set 2)	5.3.11 Storage Specifications	N/A	Suggestion	The proposed dual-controller storage should have Symmetric Active-Active Controllers to ensure that each LUN can be accessed by any controller.	Tender conditions shall prevail	Storage		
Vol.2	2506	iValue InfoSolutions Pvt. Ltd. (Set 2)	5.3.11 Storage Specifications	N/A	Suggestion	The proposed storage should have 1 TB Global Cache (on-board DRAM) without any single point of failure. SSD shall not be considered as Cache.	Tender conditions shall prevail	Storage		
Vol.2	2507	iValue InfoSolutions Pvt. Ltd. (Set 2)	5.3.11 Storage Specifications	N/A	Suggestion	The proposed storage should have Controller level data-at-rest encryption to ensure the security of the data.	Tender conditions shall prevail	Storage		
Vol.2	2537	iValue InfoSolutions Pvt. Ltd. (Set 2)	5.3.11 Storage Specifications	Volume # 2 Page No # 199 Pt. -5	f). Should be able to scale out without service interruption	Change To: Should be able to scale up to max capacity mentioned in clause 4 (that is 10 TB) without any service disruption. Reason: This specification seems to be favoring a particular OEM and hence should be changed. Also this will ensure that bidders don't propose any multicontroller midrange system instead of Enterprise Grade Storage.	Should be able to scale out/scale up without service interruption	Storage		
Vol.2	2538	iValue InfoSolutions Pvt. Ltd. (Set 2)	5.3.11 Storage Specifications	N/A	Suggestion	Suggestion: The proposed dual-controller storage should have Symmetric Active-Active Controllers to ensure that each LUN can be accessed by any controller. Reason: Symmetric Active-Active controller is a very critical feature of any Enterprise Grade Storage system which differentiates it from a mid-range storage system. A mid range storage system does not have symmetric active-active controllers but has scale out multi controller architecture where different controllers can access different set of LUNs. To ensure that every vendor quotes for an Enterprise Grade Storage system and not any mid-range storage, request you to please change the clause as requested.	Tender conditions shall prevail	Storage		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	2539	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.3.11 Storage Specifications	N/A	Suggestion	Suggestion: The proposed storage should have 1 TB Global Cache (on-board DRAM) without any single point of failure. SSD shall not be considered as Cache. Reason: In mid range storage systems there are multiple controllers with individual cache memory and the controller in the storage system does not have access to the complete cache configured in the storage system (1 TB in this case) hence to avoid people quoting mid-range storage system instead of an Enterprise Grade Storage system, request you to please change the clause as requested to Global Cache. Also SSD Drives can never deliver the performance of actual DRAM Cache, Hence it is advised to change the Cache to On-board DRAM Cache specifically.	Tender conditions shall prevail	Storage		
Vol.2	2540	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.3.11 Storage Specifications	N/A	Suggestion	Suggestion: The proposed storage should have Controller level data-at-rest encryption to ensure the security of the data. Reason: The encryption feature should be part of the Storage controller to ensure that data written to storage can be encrypted as required by Tata Power for data security purposed. This feature should be enabled at Controller Level and should not be limited to few and specific disk drives, to avoid any security/ compliance issues in future.	Tender conditions shall prevail	Storage		
Vol.2	2688	Hewlett Packard Enterprise	5.1.2.4 Storage/Recording Requirements	66	Point b - 30 days storage of all the surveillance CCTV camera feeds to be stored at Data Centre and Flagged data (critical incidents) will be stored for approximately 90 days, permanent storage envisaged on secondary/backup storage	We would request to consider only "Disk based" storage as "Secondary / Backup storage" since Tape storage is almost reaching to the end of life-cycle. Considering that vendor need to maintain it for 5 years - hence would request to consider disk based Secondary / Backup storage for storing of CCTV Camera feeds. Please confirm?	Tender conditions shall prevail	Storage		
Vol.2	2689	Hewlett Packard Enterprise	5.1.2.4 Storage/Recording Requirements	66	Point e - 365 days storage of traffic junction data for ATSC at Data Centre and Flagged data will be stored for approximately 5 years.	Since flagged data will be stored for Approximately 5 years hence would request to consider only disk based solution. Although we can provide the Tape Based solution however considering the long term life-cycle - would request to consider Disk based solution only from both Management and data life-cycle perspective. Please confirm?	Tender conditions shall prevail	Storage		
Vol.2	2690	Hewlett Packard Enterprise	5.1.2.4 Storage/Recording Requirements	66	Point f - Above all systems except ITMS are required to be stored online thirty (30) days of video for all cameras on primary storage, balance 60 days will be on low cost secondary storage /tape library.	Request to remove the tape Library option. Although as vendor - we can provide the Tape library option however considering the long-term life-cycle, Data consistency and available - low cost secondary storage would be preferred option. Requesting to remove Tape Library option. Please confirm?	Tender conditions shall prevail	Storage		
Vol.2										
Vol.2	2692	Hewlett Packard Enterprise	5.3.11 Storage Specifications (Point 4 - Capacity)	199	a) Storage should be offered with minimum 3 PB usable capacity. (Primary for 30 Days + 5 PB for 90 Days Secondary Flagged Data) b) Solution should have support for a minimum of Deployment more than 10 PB usable capacity.	Our understanding from 3PB usable capacity for 30 Days shall be part of a single storage array? Please confirm? Accordingly 5PB usable capacity for 90 days secondary flagged data shall also be a part of a single disk based secondary storage? Please confirm?	Tender conditions shall prevail	Storage		

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Vol.2	2693	Hewlett Packard Enterprise	5.3.11 Storage Specifications (Point 5 - Storage)	199	Should support various RAID levels (0, 1, 6, 10/DP or equivalent)	Since we use a concept of Protection level instead of using the word RAID hence Request to change this clause as "Should support various Raid Levels or Protection levels (0,1,6, 10/DO or equivalent).	Tender conditions shall prevail	Storage		
Vol.2	2694	Hewlett Packard Enterprise	5.3.11 Storage Specifications (Point 5 - Storage)	199	Should support disaster recovery mechanism natively	Considering that storage will be used for Video data hence our understanding is that even if one flagged video file needs to be replicated from storage to other location - it shall be possible natively from storage. Please confirm?	Tender conditions shall prevail	Storage		
Vol.2	2695	Hewlett Packard Enterprise	5.3.11 Storage Specifications (Point 5 - Storage)	199	Should be able to scale out without service interruption	Considering the requirement of 10PB scalability - Request to please specify the number of scale-out controllers requirement. Our understanding is that offered solution shall be able to scale-out at-least 32 number of nodes or controllers. Please confirm?	Should be able to scale out/scale up without service interruption	Storage		
Vol.2	2696	Hewlett Packard Enterprise	5.3.11 Storage Specifications (Point 6 - Hardware platform)	200	d) Should have minimum of 8x10/40 Gbe or 8x16Gb FC Host ports. e) Storage shall have minimum front-end support for 16 Gb and backend support for minimum 12 Gb.	Seems to be typo. Since authorities have already mentioned 8 x 10/40Gbe hence clause e shall be "Storage shall have minimum front-end support for 10Gb and backed support for minimum of 12Gb. Please confirm?	Tender conditions shall prevail	Storage		

S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	2829	Interlace India Pvt. Ltd.	page No. 198, Storage Specifications	page No. 198, Storage Specifications	a) Storage Solution with NSPoF (No single point of failure) Architecture. The architecture should allow modular upgrades of hardware and software for investment protection. The system must support 12 Gbps SAS Disk Drives (Latest Drive interface) and SATA/NL-SAS Disk Drives (latest Drive interface).	Storage Solution with NSPoF (No single point of failure) Architecture. The solution should be scale out architecture supporting at least 24 Controllers/Storage nodes. Each Storage controller/Node should have 128 GB DRAM/Cache and should not host more than 650 TB RAW capacity. Overall Solution should be scalable to provide Single namespace >70 PB. The architecture should allow modular upgrades of hardware and software for investment protection. The system must support 12Gbps SAS/SSD Disk Drives (Latest Drive interface) and SATA/NL-SAS Disk Drives (latest Drive interface). Request to include more details w.r.t controllers and their scalability.	Storage Solution with NSPoF (No single point of failure) Architecture with minimum 128GB memory across controllers. The architecture should allow modular upgrades of hardware and software. The system must support 12 Gbps SAS Disk Drives (Latest Drive interface) and SATA/NL- SAS Disk Drives (latest Drive interface).	Storage	
Vol.2	2830	Interlace India Pvt. Ltd.	page No. 199, Storage Specifications	page No. 199, Storage Specifications	Storage should support automated tiering feature	To be removed Tiering feature is not supported by major SDS vendor. Also, this solution being required primarily for video surveillance concept of tiering does not imply.	Storage should support automated tiering feature f or flash/SSD cache	Storage	
Vol.2	2831	Interlace India Pvt. Ltd.	page No. 200, Storage Specifications	page No. 200, Storage Specifications	Should have minimum of 8x10/40 Gbe or 8x16Gb FC Host ports	Each controller/Node Should have minimum of 4 *25 Gbe or 4x32Gb FC Host ports Request to include ports requirement per controller level since it is not clear the number of Nodes bidders might be requiring to provide 9PB of usable capacity. With current specification, the port counts would be very less and overll solution performance would be degraded.	Tender conditions shall prevail	Storage	

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	1	Videonetics	5.1.4 Video Management System (VMS)	89 of 400	Video management server, on which the VMS is hosted upon, shall run seamlessly in the background to manage connections, access and storage.	Video management server, on Linux operating system on which the VMS is hosted upon, shall run seamlessly in the background to manage connections, access and storage	Tender conditions shall prevail	Surveillance		
Vol.2	2	Videonetics	5.1.4 Video Management System (VMS)	90 of 400	All the offered VMS and cameras shall have ONVIF compliance.	All the offered VMS and cameras shall have ONVIF compliance. VMS OEM must be ONVIF member with profile S, G and T complied	Tender conditions shall prevail	Surveillance		
Vol.2	3	Videonetics	5.1.4 Video Management System (VMS)	90 of 400	The VMS shall be enabled for integration with any external Video Analytics Systems	The VMS shall have integrated Video Analytics Systems to optimise server hardware requirement.	The VMS should seamlessly integrate with all the camera edge Video Analytics module and manage alarms as required in the RFP	Surveillance		
Vol.2	4	Videonetics	5.1.4 Video Management System (VMS)	91 of 400	All CCTV cameras locations shall be overlaid in graphical map in the VMS Graphical User Interface (GUI). The cameras selection for viewing shall be possible via clicking in the camera location on the graphical map. The graphical map shall be of high resolution enabling operator to zoom-in for specific location while selecting a camera for viewing.	All CCTV cameras locations shall be overlaid in graphical map in the VMS Graphical User Interface (GUI). The cameras selection for live and archive viewing shall be possible via clicking in the camera location on the graphical map. The graphical map shall be of high- resolution enabling operator to zoom-in for specific location while selecting a camera for viewing.	Tender conditions shall prevail	Surveillance		
Vol.2	5	Videonetics	5.1.4 Video Management System (VMS)	92 of 400	The VMS shall support retrieving data from edge storage. Thus, when a lost or broken connection is restored, it shall be possible to retrieve the video from SD card and store it on central storage.	The VMS shall support retrieving data from edge storage. Thus, when a lost or broken connection is restored, it shall be possible to retrieve the video from SD card and store it on central storage. Therefore the camera and VMS must be ONVIF profile G compliant	Tender conditions shall prevail	Surveillance		
Vol.2	6	Videonetics	5.1.4 Video Management System (VMS)	93 of 400	VMS/ICCC shall support integration with the ANPR application.	VMS must have integrated ANPR application	The requested functionality is to be provided in full. This may be accomplished either by VMS / ICC / VA or any other application.	Surveillance		
Vol.2	7	Videonetics	5.1.4 Video Management System (VMS)	93 of 400	VMS shall support integration with other online and offline video analytic applications	VMS must have integrated online and offline video analytic applications	Tender conditions shall prevail	Surveillance		
Vol.2	8	Videonetics	5.1.4 Video Management System (VMS)	94 of 400	System should support to apply below listed filters to search results: i. Object size ii. Object color iii. Direction of object motion iv. Speed of the moving object v. Defined area entry/appearance and zone exit/disappearance	System should support to apply below listed filters to search results: i. Object size ii. Object color iii. Direction of object motion iv. Defined area entry/appearance and zone exit/disappearance	Clause (iv) to be removed and (i) to be amended as Object size and classification	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	9	Videonetics	5.1.4 Video Management System (VMS)	94 of 400	Video management software shall incorporate online video analytics on live video images. It shall include the following video analytics detection tools: a. Presence detection for moving and stopped vehicles b. Directional sensitive presence detection c. Congestion Detection d. Loitering detection e. Improper Parking f. Camera Tampering g. Abandoned objects detection	Video management software shall incorporate online video analytics on live video images. It shall include the following video analytics detection tools: a. Presence detection for moving and stopped vehicles b. Directional sensitive presence detection c. Congestion Detection d. Loitering detection e. Improper Parking f. Camera Tampering g. Abandoned objects detection h. Fire detection i. Smoke detection j. Face Capture k. Event against face with No Mask l. Event against not maintaining minimum guided social distancing m. Crowd detection	Tender conditions shall prevail	Surveillance		
Vol.2	10	Videonetics	5.1.4 Video Management System (VMS)	95 of 400	The user interface shall be via a GUI providing multiple video streams simultaneously on multiple monitors.	The user interface shall be via a GUI providing video streams simultaneously on multiple monitors. Thus VMS must be capable to handle up to 4 monitors with out video wall controller.	The user interface shall be via a GUI providing video streams simultaneously on multiple monitors. Thus VMS must be capable to handle minimum 4 monitors with out video wall controller.	Surveillance		
Vol.2	11	Videonetics	5.1.4 Video Management System (VMS)	95 of 400	The system shall allow the viewing of recorded video from any camera on the system at whatever rate the camera was recorded.	The system shall allow the viewing of recorded video from any camera on the system at whatever rate the camera was recorded. It must be possible to view live and recorded view of many cameras simultaneously in a single GUI grid	Tender conditions shall prevail	Surveillance		
Vol.2	12	Videonetics	5.1.4 Video Management System (VMS)	96 of 400	The GUI shall conform to standard Windows conventions	The GUI shall conform to standard Windows conventions. The client software must be possible to run on windows when server software is on Linux operating system for security issue.	Tender conditions shall prevail	Surveillance		
Vol.2	13	Videonetics	5.1.4 Video Management System (VMS)	102 of 400	VMS shall be integrated within a consolidated GUI that would include other command control Center systems as well. All events, activations and alarms that occur with the VMS and its sub systems will interact seamlessly between the command and control center sub systems as required	VMS shall be integrated seamlessly with command control Center systems as well. All events, activations and alarms that occur with the VMS and its sub systems will interact seamlessly between the command and control center sub systems as required	Tender conditions shall prevail	Surveillance		
Vol.2	14	Videonetics	5.1.4 Video Management System (VMS)	103 of 400	If an SDK solution / Object model is provided the system shall allow reconfiguration by (City) and end users without recourse to special languages. A system SDKs / Object model shall be supplied with all required supporting software to allow the integration of the system with new devices and systems.	If an SDK solution / API is provided the system shall allow reconfiguration by (City) and end users without recourse to special languages. A system SDKs / API shall be supplied with all required supporting software to allow the integration of the system with new devices and systems	If an SDK solution / API / Object Model is provided the system shall allow reconfiguration by (City) and end users without recourse to special languages. A system SDKs / API shall be supplied with all required supporting software to allow the integration of the system with new devices and systems	Surveillance		
Vol.2	15	Videonetics	5.1.4 Video Management System (VMS)	103 of 400	Either the OPC or the SDK or Object Model shall manage the interface between the VMS, GUI and the other City Management systems as required.	VMS must have open API for any integration with any systems.	Tender conditions shall prevail	Surveillance		
Vol.2	16	Videonetics	5.1.4 Video Management System (VMS)	103 of 400	The OPC or SDK or Object Model shall allow the operator workstations to control the VMS irrespective of the vender chosen by duplicating all control functionality of the VMS used for normal day-to-day activities.	The API or SDK or Object Model shall allow the operator workstations to control the VMS irrespective of the vender chosen by duplicating all control functionality of the VMS used for normal day-to-day activities.	The API or SDK or Object Model shall allow the operator workstations to control the VMS irrespective of the vender chosen by duplicating all control functionality of the VMS used for normal day-to-day activities.	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	17	Videonetics	5.1.4 Video Management System (VMS)	103 of 400	If an OPC interface cannot be provided, an alternative solution shall be provided for this data using a standard open protocol and confirmation as to how this shall be implemented shall be provided in the technical proposal return	If an API interface cannot be provided, an alternative solution shall be provided for this data using a standard open protocol and confirmation as to how this shall be implemented shall be provided in the technical proposal return	Tender conditions shall prevail	Surveillance		
Vol.2	18	Videonetics	5.1.4 Video Management System (VMS)	103 of 400	The VMS shall enable handling of up to at least 10,000 cameras for future scalability as may be required at additional cost of camera license.	The VMS shall enable handling unlimited cameras for future scalability as may be required at additional cost of camera license	Tender conditions shall prevail	Surveillance		
Vol.2	19	Videonetics	5.1.4 Video Management System (VMS)	103 of 400	The VMS OEM must have at least one project experience of minimum 2000 cameras in India. (PO copy required to be submitted).	The VMS OEM must have at least one project experience of minimum 10000 cameras in India in a single project. (PO copy required to be submitted).	The OEM of Video Management System (VMS), Video Analytics (VA) and Camera should have Supplied together a surveillance solution with minimum of 1500 cameras per project in atleast 5 projects in last 5 years in India.	Surveillance	Bidder to submit unpriced PO/Satisfactory report of the same project of both OEM.	
Vol.2	20	Videonetics	5.1.4 Video Management System (VMS)	106 of 400	VA should allow multiple instances of Client Viewer in a single workstation	VA should allow multiple instances of Client Viewer in a single workstation in VMS GUI	Tender conditions shall prevail	Surveillance		
Vol.2	21	Videonetics	5.1.4 Video Management System (VMS)	106 of 400	VA should be able to utilize multiple monitors connected to the workstation to perform various tasks simultaneously (e.g. Live viewing, Archive Search, Site map display, etc.)	VA should be able to utilize multiple monitors connected to the VMS client workstation to perform various tasks simultaneously (e.g. Live viewing, Archive Search, Site map display, etc.)	VA should be able to utilize minimum 4 monitors connected to the VMS client workstation to perform various tasks simultaneously (e.g. Live viewing, Archive Search, Site map display, etc.)	Surveillance		
Vol.2	22	Videonetics	5.1.4 Video Management System (VMS)	106 of 400	VA should support multiple Video Analytics servers running on different machines.	VA should support multiple Video Analytics servers running on different machines. It must be possible to run VMS and analytics in same server for hardware optimisation	Tender conditions shall prevail	Surveillance		
Vol.2	23	Videonetics	5.1.4 Video Management System (VMS)		New Clause	The VMS OEM must have development centre in India for last 10 years. Incorporation certificate must be attached.	Tender conditions shall prevail	Surveillance		
Vol.2	24	Videonetics	5.1.4 Video Management System (VMS)		New Clause	The VMS OEM must submit minimum 10 no's of satisfactorily running certificate from any Govt/Railways/Airports/Police department.	Tender conditions shall prevail	Surveillance		
Vol.2	25	Videonetics	5.1.4 Video Management System (VMS)		New Clause	The system should allow the user to mark any important section of video as do not delete. This portion will need administration confirmation to delete in future	Tender conditions shall prevail	Surveillance		
Vol.2	26	Videonetics	5.1.4 Video Management System (VMS)		New Clause	It should be possible to view the activities on the operator screen from the supervisor/administrator screen, including all the windows open on the operator screen. It should also be possible to record the screen if required	Tender conditions shall prevail	Surveillance		
Vol.2	27	Videonetics	5.1.4 Video Management System (VMS)		New Clause	The VMS should support layered maps using standard picture files, GIS maps and online maps such as Google, Bing, Open street maps. It should be possible to drag and drop the cameras on the map for easy navigation	Tender conditions shall prevail	Surveillance		

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Vol.2	28	Videonetics	5.1.4 Video Management System (VMS)		New Clause	The VMS should show event notification from the cameras on the map itself. The operator should be able to click on the event notification of a particular camera on the map and the VMS should open the event window on the operator screen.	Tender conditions shall prevail	Surveillance		
Vol.2	29	Videonetics	5.1.4 Video Management System (VMS)		New Clause	The VMS shall be Codec, Operating systems (Linux and Windows and mix platform) and IP camera agnostic such that it can support devices that are not supplied by the manufacturer/developer of the VMS software and Codec hardware	Tender conditions shall prevail	Surveillance		
Vol.2	318	Bosch Limited	Vol-2 5.1.3.1 Dome CCTV Cameras	Page 72 of 400	10 Image Sensor 1/2.8" Progressive Scan CMOS or better	Request Smart City, Please consider 1/2.9" CMOS or Better.	10 Image Sensor 1/2.9" Progressive Scan CMOS or better	Surveillance		1/2.9" provides good sensitivity required for security cameras along with better low light performance and high frame rate
Vol.2	319	Bosch Limited	Vol-2 5.1.3.1 Dome CCTV Cameras	Page 73 of 400	23 SD CARD Built in SD card slot with support up to 128 GB with Class 10 speed. Camera should have pre-installed SD card of 128 GB. The camera should have the facility to store the data on local SD card inside the camera in case of network connection loss and the stored data on SD card should be automatically sent to the storage when network reconnects.	Request to consider 1TB SD Card Support. In future if any demands increase in inbuilt storage of camera. As smart cities are long term project. Camera should have provision for expandability.	23 SD CARD Built in SD card slot with support min 1 TB recording at Class 10 speed. Camera should have pre-installed SD card of 128 GB. The camera should have the facility to store the data on local SD card inside the camera in case of network connection loss and the stored data on SD card should be automatically sent to the storage when network reconnects.	Surveillance		The user will be able to determine areas where prolonged network failures are possible because of geological locations, vandalism prone areas etc. and plan SD card of higher configuration to store more data locally so that no event is lost due to network failures
Vol.2	320	Bosch Limited	Vol-2 5.1.3.1 Dome CCTV Cameras	Page 71 of 400	4 Shutter Time 1/5 sec. to 1/25,000 sec. or better	Request Smart City , Please consider shutter speed 1/1 sec. to 1/10,000 sec as same as bullet camera. Mentioned shutter speed in bullet camera is practically sufficient for Indoor dome camera application	Shutter Time 1/1 sec. to 1/10,000 sec. or better	Surveillance		
Vol.2	321	Bosch Limited	Vol-2 5.1.3.2 Fixed Bullet CCTV Cameras	Page 75 of 400	18 Wide Dynamic Range > 120 dB or Better	Request Smart City to consider WDR 85dB as per IEC 62676-Part 5 WDR Standard	Wide Dynamic Range : 85 dB or better (as per IEC 62676-Part 5)	Surveillance		
Vol.2	322	Bosch Limited	Vol-2 5.1.3.2 Fixed Bullet CCTV Cameras	Page 76 of 400	24 SD CARD Built in SD card slot with support up to 128 GB with Class 10 speed. Camera should have pre-installed SD card of 128 GB. The camera should have the facility to store the data on local SD card inside the camera in case of network connection loss and the stored data on SD card should be automatically sent to the storage when network reconnects.	Request to consider 1TB SD Card Support. In future if any demands increase in inbuilt storage of camera. As smart cities are long term project. Camera should have provision for expandability.	23 SD CARD Built in SD card slot with support min 1 TB recording with Class 10 speed. Camera should have pre-installed SD card of 128 GB. The camera should have the facility to store the data on local SD card inside the camera in case of network connection loss and the stored data on SD card should be automatically sent to the storage when network reconnects.	Surveillance		The user will be able to determine areas where prolonged network failures are possible because of geological locations, vandalism prone areas etc. and plan SD card of higher configuration to store more data locally so that no event is lost due to network failures
Vol.2	323	Bosch Limited	Vol-2 5.1.3.3 PTZ CCTV Cameras	Page 78 of 400	17 Tilt Tilt: Up to 300°/s	Request smart city to consider tilt speed 120 deg same as Pan Speed in the tender. Ideally Tilt speed is less than Pan Speed	Tilt: 3° ~ 90°, up to 100°/s or better	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	324	Bosch Limited	Vol-2 5.1.3.3 PTZ CCTV Cameras	Page 78 of 400	20 Pre-set / Tour 256 pre-set positions, Minimum 8 Tour	Request smart city to consider 4 tours with recorded tours and pre position ours	Pre-set / Tour : 256 pre-set positions, Minimum 4 Tour	Surveillance		
Vol.2	325	Bosch Limited	Vol-2 5.1.3.3 PTZ CCTV Cameras	Page 79 of 400	25 SD CARD Built in SD card slot with support up to 128 GB with Class 10 speed. Camera should have pre-installed SD card of 128 GB. The camera should have the facility to store the data on local SD card inside the camera in case of network connection loss and the stored data on SD card should be automatically sent to the storage when network reconnects.	Request to consider 1TB SD Card Support. In future if any demands increase in inbuilt storage of camera. As smart cities are long term project. Camera should have provision for expandability.	23 SD CARD Built in SD card slot with support min 1 TB recording with Class 10 speed. Camera should have pre-installed SD card of 128 GB. The camera should have the facility to store the data on local SD card inside the camera in case of network connection loss and the stored data on SD card should be automatically sent to the storage when network reconnects.	Surveillance		The user will be able to determine areas where prolonged network failures are possible because of geological locations, vandalism prone areas etc. and plan SD card of higher configuration to store more data locally so that no event is lost due to network failures
Vol.2	326	Bosch Limited	Vol-2 5.1.3.3 PTZ CCTV Cameras	Page 80 of 400	27 Alarm I/O Minimum 4 Input & 2 Output contact integrated/ external for 3rd part interface	Request smart City to consider Minimum 2 Input & 1 Output contact integrated/ external for 3rd part interface. As 2 input and 1 output is sufficient for city surveillance applications	Alarm I/O Minimum 2 Input & 1 Output contact integrated/ external for 3rd part interface	Surveillance		
Vol.2	327	Bosch Limited	Vol-2 5.4.2.6 ANPR HW Requirements	Page 244 of 400	4 shutter time PAL: 1/20~ 1/30,000 sec.	Request smart city to consider fixed shutter 1/25 to 1/15000s and Automatic electronic shutter.	Fixed shutter 1/25 to 1/15000s and Automatic electronic shutter for both ANPR & RLVD Camera	Surveillance		
Vol.2	328	Bosch Limited	Vol-2 5.4.2.6 ANPR HW Requirements	Page 245 of 400	13 S/N Ratio >60db	Request Smart City to accept S/N ratio 55dB	Clause to be read as S/N Ratio >55db for both ANPR & RLVD Camera	Surveillance		
Vol.2	329	Bosch Limited	Vol-2 5.4.2.6 ANPR HW Requirements	Page 245 of 400	WDR Upto 140db	Request Smart City to consider WDR upto 120 db as per IE62676-Part 5 standard	Clause to be read as WDR >= 120 Db for both ANPR & RLVD Camera	Surveillance		
Vol.2	330	Bosch Limited	Vol-2 5.4.2.6 ANPR HW Requirements	Page 246 of 400	IR Illuminator 850nm intensity adjustable IR with minimum 30 meters range, IR from same Camera OEM	Kindly remove this clause as 30 meter inbuilt IR is not suitable for ANPR Camera and already external IR Specs is given in the tender	Kindly refer External Illuminator specs 5.4.2.7 IR – Illuminator (In case of Separate IR)	Surveillance		
Vol.2	331	Bosch Limited	Vol-2 5.1.3 Technical Specifications – CCTV Surveillance System	Page 71 of 400		Request Smart City to add OEM Criteria, OEM should be in list of top 10 as Per IHS Last 3 year Reports.	OEM should be in list of top 10 as Per IHS Last 3 year Reports.	Surveillance		IHS computes its ratings based on technology trends and market evolutions. Therefore those vendors who are mentioned among the top are capable for delivering the right product for now and support it for future needs of the city

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	332	Bosch Limited	Vol-2 5.1.3 Technical Specifications – CCTV Surveillance System	Page 71 of 400		Request Smart City to add security features in all the cameras :- Onboard Trusted Platform Module, Public key infrastructure, AES 256 bit encryption which will help to reduce malicious attacks in the camera	Tender conditions shall prevail	Surveillance		
Vol.2	333	Bosch Limited	Vol-2 5.1.3 Technical Specifications – CCTV Surveillance System	Page 71 of 400		Request Smart City to add software sealing feature, any changes in the camera configuration once configured will break the seal and alert the user that someone has changed the settings	To prevent tampering / misuse of cameras at remote field locations during operational period of the system, the cameras should have the capability to detect and create a log if any user changes the configuration as software sealing broken with date and time stamp in the camera itself	Surveillance		
Vol.2	334	Bosch Limited	Vol-2 5.1.4 Video Management System (VMS)	Page 91 of 400	3. The import/export tool shall be as sophisticated as necessary to support the following: a. Log every action so an audit or report can be completed	Request smart city to amend the clause for client action 3. The import/export tool shall be as sophisticated as necessary to support the following: a. Log every action of operator at client end so an audit or report can be completed though	Tender conditions shall prevail	Surveillance		
Vol.2	335	Bosch Limited	5.1.3 Technical Specifications – CCTV Surveillance System		Camera should have MTBF of minimum 7 years duly certified by NABL Accredited LAB or international reputed LAB.	Request smart city to amend this clause, as this clause related to raw material of product, this shall be certified by OEM on letter head and request smart city to keep as minimum 10 years life of Product	Clause to be read as Camera shall have MTBF (life of Camera) min 7 years, OEM to submit test report duly signed with MTBF values certified by 3rd party electronic reliability prediction software (Siemens / GE)	Surveillance		
Vol.2	339	Lookman	Volume 2 5.1.3.1 Dome CCTV Cameras 5.1.3.2 Fixed Bullet CCTV Cameras 5.1.3.3 PTZ CCTV Cameras	74,76,80	OEM Criteria: Camera should have MTBF of minimum 7 years duly certified by NABL Accredited LAB or international reputed LAB.	Request to modify the clause as Camera should have MTBF of minimum 7 years duly certified by NABL Accredited LAB or international reputed LAB or OEM Self Declaration.	Clause to be read as Camera shall have MTBF (life of Camera) min 7 years, OEM to submit test report duly signed with MTBF values certified by 3rd party electronic reliability prediction software (Siemens / GE)	Surveillance		
Vol.2	340	Lookman	Volume 2 5.1.3.2 Fixed Bullet CCTV Cameras 5.1.3.3 PTZ CCTV Cameras	75.78	Multiple Streams: Quad stream	Quad stream points to 4 configurable streams, most city surveillance projects are deployed over a single configured stream that is multicasted into many clients or at least 5 copies in unicast of the same stream. No more than 3 configurable streams are needed, so this may be amended to: triple stream with Unicast support for 5 streams and with Multicast support.	Tender conditions shall prevail	Surveillance		

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Vol.2	341	Lookman	Volume 2 5.1.3.2 Fixed Bullet CCTV Cameras 5.1.3.3 PTZ CCTV Cameras	75.79	Security: Any of the security certifications of IEC/EN/UL - 60950-1 /60950-22, IEC-62471	Request you to consider to remove all the sub part no.each OEM part no will have differ and it may higher orlower. But giving explanation on sub part no will be challenging . So request to change as Any of the security certifications of IEC/EN/UL	Certification UL, EN , CE , FCC, ONVIF profile S, G, T for all cameras	Surveillance		ONVIF profile S,G and T are related to video streaming with encoding formats such as H.264/H.265, image settings, tampering detection, including PTZ control, audio and metadata support etc. Therefore the clause should remain the same Having different certificate simulateously (UL, EN, CE, FCC etc.) shows the seriousness of the vendor to work across the globe satisfying each regional requirement for certification. They are serious players and
Vol.2	342	Lookman	Volume 2 5.1.3.3 PTZ CCTV Cameras	79	Camera Analytics:Camera must have edge base analytics Viz: Enter / leave field, Loitering, Line Crossing,follow route, Idle / removed object, Counting, Occupancy, Crowd density estimation. Bidder to ensure minimum 8 Different types of analytics shall run simultaneously in each Camera.	Camera level edge analytics are generally light in compute and limited in ability, leading to false negatives and false positives when implemented across a whole city, It would be appropriate to allow these on an edge device connected to the camera or at a central location if incase all feeds are being transmitted via the network for recording, running 8 analytics on a camera board is not ideal and favors specific OEM, whose analytics have tested poorly in the past	Tender conditions shall prevail	Surveillance		
Vol.2	343	Lookman	Volume 2 5.1.4 .Video Management System (VMS) 5.1.4.12 VMS System Size	103	The VMS OEM must have at least one project experience of minimum 2000 cameras in India. (PO copy required to be submitted).	Request to allow OEM with VMS supplied for atleast 1 project with 500 cameras registered to the centrally monitored VMS for City surveillance / Police depatment projects	The OEM of VMS and Camera should have experience of deploying their solution together as a bundle in minimum of 3 projects in the last 5 years in India, with atleast 1500 cameras integrated with VMS in each of the projects.	Surveillance		
Vol.2	388	Huawei	Volume 2 5.1.3.1 Dome CCTV Cameras		26-Certification:UL, EN, CE, FCC, RoHS, ONVIF profile S, G & T	BIS certificate is India standard certificate (majority OEMs inclusive indian ones follow India Industry standard),Suggest change to BIS and CE / UL / EN / FCC/ ROHS / ONVIF	Tender conditions shall prevail	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	389	Huawei	Volume 2 5.1.3.1 Dome CCTV Cameras		28-OEM Criteria: <ul style="list-style-type: none"> • OEM without any JV/ Distributor Should have their own registered office in India since Last 7 years. • OEM without any JV/ Distributor Should have their own service center in India since Last 7 years. • OEM Shall have RMA Center in India. • Camera should have MTBF of minimum 7 years duly certified by NABL Accredited LAB or international reputed LAB. 	Suggest remove this item since not open for vendors and only benefit specific vendor.	The OEM without any JV/Distributor should have their registered office in India for atleast 10 years and should have been operating own service centre and RMA in India from the last 10 years as on RFP date. It should be on same OEM name throughout the 10 year period Clause to be read as Camera shall have MTBF (life of Camera) min 7 years, OEM to submit test report duly signed with MTBF values certified by 3rd party electronic reliability prediction software(Siemens / GE)	Surveillance		
Vol.2	390	Huawei	Volume 2 5.1.3.2 Fixed Bullet CCTV Cameras		14-Multiple Streams: Quad stream	This is Vendor Specific Clause, smart city case only two stream is enough. Suggest change to at least two Stream	Tender conditions shall prevail	Surveillance		
Vol.2	391	Huawei	Volume 2 5.1.3.2 Fixed Bullet CCTV Cameras		27-Certification : UL, EN, CE, FCC, ONVIF profile S, G & T	BIS certificate is India standard certificate (majority OEMs inclusive indian ones follow India Industry standard).Suggest change to BIS and CE / UL / EN / FCC/ ROHS / ONVIF	Certification UL, EN , CE , FCC, ONVIF profile S, G, T for all cameras	Surveillance		ONVIF profile S,G and T are related to video streaming with encoding formats such as H.264/H.265, image settings, tampering detection, including PTZ control, audio and metadata support etc. Therefore the clause should remain the same Having different certificate simultaneously (UL, EN, CE, FCC etc.) shows the seriousness of the vendor to work across the globe satisfying each regional requirement for certification. They are serious players and
Vol.2	392	Huawei	Volume 2 5.1.3.2 Fixed Bullet CCTV Cameras		29-OEM Criteria : <ul style="list-style-type: none"> • OEM without any JV/ Distributor Should have their own registered office in India since Last 7 years. • OEM without any JV/ Distributor Should have their own service center in India since Last 7 years. • OEM Shall have RMA Center in India. • Camera should have MTBF of minimum 7 years duly certified by NABL Accredited LAB or international reputed LAB. 	Suggest remove this item since not open for vendors and only benefit specific vendor.	The OEM without any JV/Distributor should have their registered office in India for atleast 10 years and should have been operating own service centre and RMA in India from the last 10 years as on RFP date. It should be on same OEM name throughout the 10 year period Clause to be read as Camera shall have MTBF (life of Camera) min 7 years, OEM to submit test report duly signed with MTBF values certified by 3rd party electronic reliability prediction software(Siemens / GE)	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	393	Huawei	Volume 2 5.1.3.3 PTZ CCTV Cameras		11-Multiple Streams : Quad Stream	This is Vendor Specific Clause, smart city case only two stream is enough. Suggest change to at least two Stream	Tender conditions shall prevail	Surveillance		
Vol.2	394	Huawei	Volume 2 5.1.3.3 PTZ CCTV Cameras		17-Tilt : Tilt: 3° ~ 90°, up to 300°/s	This is Vendor Specific Clause, Suggest change to up to 200°/s	Clause to be read as Tilt: 3° ~ 90°, up to 100°/s or better	Surveillance		
Vol.2	395	Huawei	Volume 2 5.1.3.3 PTZ CCTV Cameras		32-Certification : UL, CE, FCC, RoHS, ONVIF Profile S, G & T	BIS certificate is India standard certificate (majority OEMs inclusive indian ones follow India Industry standard),Suggest change to BIS and CE / UL / EN / FCC/ ROHS / ONVIF	Certification UL, EN , CE , FCC, ONVIF profile S, G, T for all cameras	Surveillance		ONVIF profile S,G and T are related to video streaming with encoding formats such as H.264/H.265, image settings, tampering detection, including PTZ control, audio and metadata support etc. Therefore the clause should remain the same Having different certificate simulateously (UL, EN, CE, FCC etc.) shows the seriousness of the vendor to work across the globe satisfying each regional requirement for certification. They are serious players and
Vol.2	396	Huawei	Volume 2 5.1.3.3 PTZ CCTV Cameras		34-OEM Criteria : • OEM without any JV/ Distributor Should have their own registered office in India since Last 7 years. • OEM without any JV/ Distributor Should have their own service center in India since Last 7 years. • OEM Shall have RMA Center in India. • Camera should have MTBF of minimum 7 years duly certified by NABL Accredited LAB or international reputed LAB.	This is Vendor Specific Clause, Suggest remove this item since not open for vendors and only benefit specific vendor.	The OEM without any JV/Distributor should have their registered office in India for atleast 10 years and should have been operating own service centre and RMA in India from the last 10 years as on RFP date. It should be on same OEM name throughout the 10 year period Clause to be read as Camera shall have MTBF (life of Camera) min 7 years, OEM to submit test report duly signed with MTBF values certified by 3rd party electronic reliability prediction software(Siemens / GE)	Surveillance		
Vol.2	609	Awidit Systems Pvt. Ltd	Volume2, 5.1.4.14, a) Video Analytics Features	107	VA should enable any combination of analytics rules to run on the same camera simultaneously, without limitations.	In additionto to the given requirement, kindly consider the below suggestion to enhance the ease in user experience from operator point of view. The system should allow deployment of any analytics to run on any camera without any MAC level or IP level locking. Any analytics should be deployable and redeployable on any camera or video source as far as the camera view supports such use cases to be deployed. The user interface should have a matrix to assign, start, stop and schedule any use-case on any camera.	VA/VMS should enable min 8 different types of analytic rules to run on each camera simultaneously.	Surveillance		

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Vol.2	610	Awidit Systems Pvt. Ltd	Volume2, 5.1.4.14, a) Video Analytics Features	106	10. The VMS should escalate the Events to recipients in the form of SMS/emails if the Events are not acknowledged by the operators within a specific period.	The mentioned requirement is an essential part of the Video Analytics software. Request you to kindly consider the following suggestion: The VA system should escalate the Events to recipients in the form of SMS/emails if the Events are not acknowledged by the operators within a specific period.	It is required that the functionality is to be provided in totality, this may be by either by VMS / ICCC or any other application.	Surveillance		
Vol.2	611	Awidit Systems Pvt. Ltd	Volume2, 5.1.4.14, a) Video Analytics Features	106	11. The VMS should send HTTP messages to any external server on receipt of the Events.	The mentioned requirement is an essential part of the Video Analytics software and can be better fulfilled using VA software. Request you to kindly consider the following suggestion: The VA system should send HTTP messages to any external server on receipt of the Events.	It is required that the functionality is to be provided in totality, this may be by either by VMS / ICCC or any other application.	Surveillance		
Vol.2	612	Awidit Systems Pvt. Ltd	Volume2, 5.1.4.14, a) Video Analytics Features	106	The VMS should show the Event messages on detection of Analytics events on the same Client live view panel instantly. On clicking on the message, relevant snap of the scene should appear on screen. On dragging the message to any video tile in the live view panel, the relevant portion of the video should be replayed automatically.	The mentioned requirement is an essential part of the Video Analytics software. Request you to kindly consider the following suggestion: The VA should show the Event messages on detection of Analytics events on the same Client live view panel instantly. The system should provide the following key UI screens: Event Notifications: The result of any video analytics app should be in the form of events that contain the screenshot with other metadata describing the event, such as detected objects, timestamp, camera/video that generated the event and all other metadata representing the event from different apps. The User Interface should have a grid and list view with all the events from different cameras etc. Data Analytics Dashboard: The user interface should also have an analytics dashboard listing all the patterns of events from different cameras and apps with a heat map of number of events on an hourly basis. App Camera Grid: The user interface should have a matrix to assign, start, stop and schedule any app on any camera. The status of active and non-active apps should be clearly visible with color coded information.	Tender conditions shall prevail	Surveillance		
Vol.2	669	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications – 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.1 Dome CCTV Cameras	71	4. Shutter Time: 1/5 sec. to 1/25,000 sec. or better	4. Shutter Time: 1 sec. to 1/1,00,000 sec. or better	Shutter Time 1/1 sec. to 1/10,000 sec. or better	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	670	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.1 Dome CCTV Cameras	72	15. Minimum Illumination: Colour: 0.1, Mono 0.05 lux, IR: 0 lux	15. Minimum Illumination: Colour: 0.001Lux @(F1.6), 0 Lux with IR	Tender conditions shall prevail	Surveillance		
Vol.2	671	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.1 Dome CCTV Cameras	72	16. Auto adjustment + Remote Control of Image settings I: Saturation, contrast, brightness, sharpness, white balance, orientation: auto, 0°, 90°, 180°, 270°, mirroring of images, 4 Privacy masks, noise reduction, SNR >50 dB	16. Auto adjustment + Remote Control of Image settings I: Saturation, contrast, brightness, sharpness, white balance, orientation: 90°, 180°, mirroring of images, 8 Privacy masks, noise reduction, SNR >52 dB	Auto adjustment + Remote Control of Image settings I: Saturation, contrast, brightness, sharpness, white balance, orientation: auto, 90°, 180°, mirroring of images, 4 Privacy masks, noise reduction, SNR >50 dB	Surveillance		
Vol.2	672	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.1 Dome CCTV Cameras	72	18. Wide Dynamic Range: > 90 dB or Better	18. Wide Dynamic Range: > 120 dB or Better	Wide Dynamic Range : 85 dB or better (as per IEC 62676-Part 5)	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	673	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.1 Dome CCTV Cameras	72	21. Security: 3. Signed Firmware	21. Security: 3. Signed/ Encrypted Firmware	Tender conditions shall prevail	Surveillance		
Vol.2	674	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.1 Dome CCTV Cameras	73	25. Casing IP- 54 rated or better	25. Casing IP- 67 rated or better	Tender conditions shall prevail	Surveillance		
Vol.2	675	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.1 Dome CCTV Cameras	73	26. Certification: UL, EN, CE, FCC, RoHS, ONVIF profile S, G & T	26. Certification: UL, CE-EN 55032:2015, EN 55024:2010+A1:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, IEC 61000-6-4:2018, FCC Part 15, Sub part B:2017, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU, ONVIF profile S & G	26. Certification: UL, EN, CE, FCC, RoHS, ONVIF profile S, G & T	Surveillance		<p>ONVIF profile S,G and T are related to video streaming with encoding formats such as H.264/H.265, image settings, tampering detection, including PTZ control, audio and metadata support etc.</p> <p>Therefore the clause should remain the same</p> <p>Having different certificate simultaneously (UL, EN, CE, FCC etc.) shows the seriousness of the vendor to work across the globe satisfying each regional requirement for certification. They are serious players and</p>

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	676	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.1 Dome CCTV Cameras	73	28. OEM Criteria: • OEM without any JV/ Distributor Should have their own registered office in India since Last 7 years. • OEM without any JV/ Distributor Should have their own service center in India since Last 7 years. • OEM Shall have RMA Center in India. • Camera should have MTBF of minimum 7 years duly certified by NABL Accredited LAB or international reputed LAB.	28. OEM Criteria: • OEM without any JV/ Distributor Should have their own registered office in India since Last 3 years. • OEM without any JV/ Distributor Should have their own service center in India since Last 3 years. • OEM Shall have RMA Center in India.	The OEM without any JV/Distributor should have their registered office in India for atleast 10 years and should have been operating own service centre and RMA in India from the last 10 years as on RFP date. It should be on same OEM name throughout the 10 year period Clause to be read as Camera shall have MTBF (life of Camera) min 7 years, OEM to submit test report duly signed with MTBF values certified by 3rd party electronic reliability prediction software(Siemens / GE)	Surveillance		
Vol.2	677	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.2 Fixed Bullet CCTV Cameras	74	5. Shutter Time: 1/1 sec. to 1/10,000 sec. or better	5. Shutter Time: 1/1 sec. to 1/1,00,000 sec. or better	Tender conditions shall prevail	Surveillance		
Vol.2	678	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.2 Fixed Bullet CCTV Cameras	75	14. Multiple Streams: Quad stream	14. Multiple Streams: Triple stream	Tender conditions shall prevail	Surveillance		

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Vol.2	679	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.2 Fixed Bullet CCTV Cameras	75	15. Minimum Illumination: Colour: 0.1, Mono 0.05 lux, IR: 0 lux	15. Minimum Illumination: Colour: 0.001Lux @(F1.6), 0 Lux with IR on	Tender conditions shall prevail	Surveillance		
Vol.2	680	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.2 Fixed Bullet CCTV Cameras	75	16. Auto adjustment + Remote Control of Image settings I: Saturation, contrast, brightness, sharpness, white balance, orientation: auto, 0°, 90°, 180°, 270°, mirroring of images, 4 Privacy masks, noise reduction, SNR >50 dB	16. Auto adjustment + Remote Control of Image settings I: Saturation, contrast, brightness, sharpness, white balance, orientation: 90°, 180°, mirroring of images, 8 Privacy masks, noise reduction, SNR >52 dB	Auto adjustment + Remote Control of Image settings I: Saturation, contrast, brightness, sharpness, white balance, orientation: auto, 90°, 180°, mirroring of images, 4 Privacy masks, noise reduction, SNR >50 dB	Surveillance		
Vol.2	681	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.2 Fixed Bullet CCTV Cameras	75	21. Security: 3. Signed Firmware	21. Security: 3. Signed/ Encrypted Firmware	Tender conditions shall prevail	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	682	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.2 Fixed Bullet CCTV Cameras	76	22. Analytics: Edge-based analytics Line crossing, Enter / leave field, Idle / removed object, Crowd density estimation.	22. Analytics: Edge-based analytics Line crossing, Enter / leave field, Idle / removed object, People counting, Scene change, Defocus, Motion detection	Edge Analytics for all surveillance Cameras (Fixed and PTZ) The SI will be responsible for designing and implementing edge analytics at camera level. Bidder to ensure minimum 8 analytics to run simultaneously in each camera. Following listed use cases should be part of implementation and should be not be limited to: 1. Safety: Detection and classification based on: a) Parking violation b) Loitering detection c) Crowd Detection d) people counting, e) line crossing, f) Idle/removed object, enter field, similarity search, scene change g) Route direction 2. Wrong way or illegal turn detection.	Surveillance	Gesture removed	
Vol.2	683	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.2 Fixed Bullet CCTV Cameras	76	27. Certification: UL, EN, CE, FCC, ONVIF profile S, G & T	27. Certification: UL, CE-EN 55032:2015, EN 55024:2010+A1:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, IEC 61000-6-4:2018, FCC Part 15, Sub part B:2017, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU, ONVIF profile S & G	Certification: UL, EN, CE, FCC, ONVIF profile S, G & T	Surveillance		ONVIF profile S,G and T are related to video streaming with encoding formats such as H.264/H.265, image settings, tampering detection, including PTZ control, audio and metadata support etc. Therefore the clause should remain the same Having different certificate simultaneously (UL, EN, CE, FCC etc.) shows the seriousness of the vendor to work across the globe satisfying each regional requirement for certification. They are serious players and
Vol.2	684	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.2 Fixed Bullet CCTV Cameras		29. OEM Criteria: • OEM without any JV/ Distributor Should have their own registered office in India since Last 7 years. • OEM without any JV/ Distributor Should have their own service center in India since Last 7 years. • OEM Shall have RMA Center in India. • Camera should have MTBF of minimum 7 years duly certified by NABL Accredited LAB or international reputed LAB.	29. OEM Criteria: • OEM without any JV/ Distributor Should have their own registered office in India since Last 3 years. • OEM without any JV/ Distributor Should have their own service center in India since Last 3 years. • OEM Shall have RMA Center in India.	The OEM without any JV/Distributor should have their registered office in India for atleast 10 years and should have been operating own service centre and RMA in India from the last 10 years as on RFP date. It should be on same OEM name throughout the 10 year period Clause to be read as Camera shall have MTBF (life of Camera) min 7 years, OEM to submit test report duly signed with MTBF values certified by 3rd party electronic reliability prediction software(Siemens / GE)	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	685	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	77	5. Shutter Time: 1/1 sec. to 1/10,000 sec. or better	5. Shutter Time: 1/1 sec. to 1/1,00,000 sec. or better	Tender conditions shall prevail	Surveillance		
Vol.2	686	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	77	7. IP delay: (typical) 60 fps: 200 ms	7. IP delay: (typical) 30 fps: 200 ms	PTZ Frame rate: 50/60 FPS at all resolutions	Surveillance		
Vol.2	687	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	77	8. Frame rate: 50/60 FPS at full resolutions	8. Frame rate: 25/30 FPS at full resolutions	PTZ Frame rate: 50/60 FPS at all resolutions	Surveillance		

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Vol.2	688	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	78	11. Multiple Streams: Quad Stream	11. Multiple Streams: Triple Stream	Tender conditions shall prevail	Surveillance		
Vol.2	689	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	78	12. Minimum Illumination: Colour: 0.04 lux @ F 1.6, B/W: 0.00 lux (at 30 IRE, F 1.6) or better	12. Minimum Illumination: Color 0.001Lux@F1.5, B/W 0Lux(IR ON)	Better specifications are acceptable	Surveillance		
Vol.2	690	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	78	16. Pan: Pan: 360° endless/continuous, up to 120°/s	16. Pan: Pan: 360° endless/continuous, up to 300°/s	As Per RFP Minimum Requirement mentioned in Tender, Bidder can propose better	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	691	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	78	17. Tilt: Tilt: 3° ~ 90°, up to 300°/s	17. Tilt: Tilt: 3° ~ 90°, up to 240°/s	Tilt: 3° ~ 90°, up to 100°/s or better	Surveillance		
Vol.2	692	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	78	21. Image settings: Saturation, contrast, brightness, sharpness, white balance, BLC, Noise reduction, SNR >55 dB	21. Image settings: Saturation, contrast, brightness, sharpness, white balance, BLC, Noise reduction, SNR >52 dB	Auto adjustment + Remote Control of Image settings I: Saturation, contrast, brightness, sharpness, white balance, orientation: auto, 90°, 180°, mirroring of images, 4 Privacy masks, noise reduction, SNR >50 dB	Surveillance		
Vol.2	693	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	79	24. Security: 3. Signed Firmware	24. Security: 3. Signed/ Encrypted Firmware	Tender conditions shall prevail	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	694	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	79	26. Camera Analytics: Camera must have edge base analytics Viz: Enter / leave field, Loitering, Line Crossing, follow route, Idle / removed object, Counting, Occupancy, Crowd density estimation. Bidder to ensure minimum 8 Different types of analytics shall run simultaneously in each Camera.	26. Camera Analytics: Camera must have edge base analytics Viz: Enter / leave field, Line Crossing, follow route, Idle / removed object, Counting, Scene Change, Defocus, Motion detection Bidder to ensure minimum 2 Different types of analytics shall run simultaneously in each Camera.	Tender conditions shall prevail	Surveillance	Gesture removed	
Vol.2	695	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	80	27. Alarm I/O: Minimum 4 Input & 2 Output contact integrated/ external for 3rd part interface	27. Alarm I/O: Minimum 1 Input & 1 Output contact integrated/ external for 3rd part interface	Alarm I/O Minimum 2 Input & 1 Output contact integrated/ external for 3rd part interface	Surveillance		
Vol.2	696	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	80	32. Certification: UL, CE, FCC, RoHS, ONVIF profile S, G & T	32. Certification: UL, CE-EN 55032:2015, EN 55024:2010+A1:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, IEC 61000-6-4:2018, FCC Part 15, Sub part B:2017, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU, ONVIF profile S & G	Certification: UL, EN, CE, FCC, RoHS, ONVIF profile S, G & T for all cameras	Surveillance		ONVIF profile S,G and T are related to video streaming with encoding formats such as H.264/H.265, image settings, tampering detection, including PTZ control, audio and metadata support etc. Therefore the clause should remain the same Having different certificate simultaneously (UL, EN, CE, FCC etc.) shows the seriousness of the vendor to work across the globe satisfying each regional requirement for certification. They are serious players and

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	697	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	80	33. IR Illuminator: Inbuilt 850nm intensity adjustable IR with minimum 180 meters range, with object identification	33. IR Illuminator: Inbuilt 850nm intensity adjustable IR with minimum 150 meters range, with object identification	IR Illuminator: Inbuilt intensity adjustable IR with minimum 180 meters range, with object identification	Surveillance		
Vol.2	698	Globalrays Technologies	Volume 2: Scope of Work & Technical Specifications 5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	80	34. OEM Criteria: • OEM without any JV/ Distributor Should have their own registered office in India since Last 7 years. • OEM without any JV/ Distributor Should have their own service center in India since Last 7 years. • OEM Shall have RMA Center in India. • Camera should have MTBF of minimum 7 years duly certified by NABL Accredited LAB or international reputed LAB.	34. OEM Criteria: • OEM without any JV/ Distributor Should have their own registered office in India since Last 3 years. • OEM without any JV/ Distributor Should have their own service center in India since Last 3 years. • OEM Shall have RMA Center in India.	Tender conditions shall prevail	Surveillance		
Vol.2	719	Dahua Technology India Private Limited	5.1.3.1 Dome CCTV Cameras		26. Certification : UL, EN, CE, FCC, RoHS, ONVIF profile S, G & T	Normally in UL, CE, FCC and Onvif certificates are widely used in every smart city project. Thus requesting you kindly help to amend this clause with "Certification : UL, CE, FCC and Onvif"	Certification: UL, EN, CE, FCC, RoHS, ONVIF profile S, G & T for all cameras	Surveillance		ONVIF profile S,G and T are related to video streaming with encoding formats such as H.264/H.265, image settings, tampering detection, including PTZ control, audio and metadata support etc. Therefore the clause should remain the same Having different certificate simultaneously (UL, EN, CE, FCC etc.) shows the seriousness of the vendor to work across the globe satisfying each regional requirement for certification. They are serious players and

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	720	Dahua Technology India Private Limited	5.1.3.2 Fixed Bullet CCTV Cameras		21. Security : 6. Any of the security certifications of IEC/EN/UL -60950-1 /60950-22, IEC-62471	Normally in UL, CE, FCC and Onvif certificates are widely used in every smart city project. Thus requesting you kindly help to amend this clause with "Security Certification : UL, CE, FCC and Onvif"	Certification: UL, EN, CE, FCC, RoHS, ONVIF profile S, G & T for all cameras	Surveillance		ONVIF profile S,G and T are related to video streaming with encoding formats such as H.264/H.265, image settings, tampering detection, including PTZ control, audio and metadata support etc. Therefore the clause should remain the same Having different certificate simulateously (UL, EN, CE, FCC etc.) shows the seriousness of the vendor to work across the globe satisfying each regional requirement for certification. They are serious players and
Vol.2	721	Dahua Technology India Private Limited	5.1.3.3 PTZ CCTV Cameras		24. Security : 6. Any of the security certifications of IEC/EN/UL - 60950-1 /60950-22, IEC-62471	Normally in UL, CE, FCC and Onvif certificates are widely used in every smart city project. Thus requesting you kindly help to amend this clause with "Security Certification : UL, CE, FCC and Onvif"	Certification: UL, EN, CE, FCC, RoHS, ONVIF profile S, G & T for all cameras	Surveillance		ONVIF profile S,G and T are related to video streaming with encoding formats such as H.264/H.265, image settings, tampering detection, including PTZ control, audio and metadata support etc. Therefore the clause should remain the same Having different certificate simulateously (UL, EN, CE, FCC etc.) shows the seriousness of the vendor to work across the globe satisfying each regional requirement for certification. They are serious players and
Vol.2	722	Dahua Technology India Private Limited	5.1.3.3 PTZ CCTV Cameras		26. Camera Analytics : Camera must have edge base analytics Viz; Enter / leave field, Loitering, Line Crossing, follow route, Idle / removed object, Counting, Occupancy, Crowd density estimation. Bidder to ensure minimum 8 Different types of analytics shall run simultaneously in each Camera.	Normally PTZ camera used for pan, tilt and zooming view and it will rotate 360' or based on the surrounding area to capture or tracking. The mentioned analytics mainly used in fixed camera. Thus, requesting you kindly help to remove this clause.	Tender conditions shall prevail	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	723	Dahua Technology India Private Limited	5.1.3.3 PTZ CCTV Cameras		32. Certification : UL, CE, FCC, RoHS, ONVIF Profile S, G & T	Normally in UL, CE, FCC and Onvif certificates are widely used in every smart city project. Thus requesting you kindly help to amend this clause with "Security Certification : UL, CE, FCC and Onvif"	Certification: UL, EN, CE, FCC, RoHS, ONVIF profile S, G & T for all cameras	Surveillance		ONVIF profile S,G and T are related to video streaming with encoding formats such as H.264/H.265, image settings, tampering detection, including PTZ control, audio and metadata support etc. Therefore the clause should remain the same Having different certificate simulateously (UL, EN, CE, FCC etc.) shows the seriousness of the vendor to work across the globe satisfying each regional requirement for certification. They are serious players and
Vol.2	731	Dahua Technology India Private Limited	5.1.3.1 Dome CCTV Cameras	Page 73 ,Volume 2	28. • OEM without any JV/Distributor Should have their own registered office in Indiasince Last 7 years. • OEM Shall have RMA Center in India. • Camera should have MTBF of minimum 7 years duly certified by NABL Accredited LAB or international reputed LAB. # Parameters since Last 7 years. • OEM without any JV/ Distributor Should have their own service center in India	Request to consider A) OEM with JV/ Distributor Should have their own registered office in India for minimum Last 7 years & OEM Direct India office shall be operational for minimum 3 years B) Camera should have MTBF of 5 years duly certified by own lab/quality testing confirmation from OEM C) OEM Should have India RMA center with TOLL FREE number with Operations from Monday to Saturday 10AM to 6PM and Regional Service centre in East atleast 2 numbers shall be need since the project is based out of Guwahati ,so any support need on product must be available in East support for quick resolution	The OEM without any JV/Distributor should have their registered office in India for atleast 10 years and should have been operating own service centre and RMA in India from the last 10 years as on RFP date. It should be on same OEM name throughout the 10 year period Clause to be read as Camera shall have MTBF (life of Camera) min 7 years, OEM to submit test report duly signed with MTBF values certified by 3rd party electronic relaiability prediction software(Siemens / GE)	Surveillance		
Vol.2	732	Dahua Technology India Private Limited	5.1.3.2 Fixed Bullet CCTV Cameras	Page 77 ,Volume 2	28. • OEM without any JV/ Distributor Should have their own registered office in Indiasince Last 7 years. • OEM Shall have RMA Center in India. • Camera should have MTBF of minimum 7 years duly certified by NABL Accredited LAB or international reputed LAB. # Parameters since Last 7 years. • OEM without any JV/Distributor Should have their own service center in India	Request to consider A) OEM with JV/ Distributor Should have their own registered office in India for minimum Last 7 years & OEM Direct India office shall be operational for minimum 3 years B) Camera should have MTBF of 5 years duly certified by own lab/quality testing confirmation from OEM C) OEM Should have India RMA center with TOLL FREE number with Operations from Monday to Saturday 10AM to 6PM and Regional Service centre in East atleast 2 numbers shall be need since the project is based out of Guwahati ,so any support need on product must be available in East support for quick resolution	The OEM without any JV/Distributor should have their registered office in India for atleast 10 years and should have been operating own service centre and RMA in India from the last 10 years as on RFP date. It should be on same OEM name throughout the 10 year period Clause to be read as Camera shall have MTBF (life of Camera) min 7 years, OEM to submit test report duly signed with MTBF values certified by 3rd party electronic relaiability prediction software(Siemens / GE)	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	733	Dahua Technology India Private Limited	5.1.3.3 PTZ CCTV Cameras	Page 80 , Volume 2	<p>28. • OEM without any JV/Distributor Should have their own registered office in Indiasince Last 7 years.</p> <ul style="list-style-type: none"> • OEM Shall have RMA Center in India. • Camera should have MTBF of minimum 7 years duly certified by NABL Accredited LAB or international reputed LAB. <p># Parameters since Last 7 years.</p> <ul style="list-style-type: none"> • OEM without any JV/ Distributor Should have their own service center in India 	<p>Request to consider A) OEM with JV/ Distributor Should have their own registered office in India for minimum Last 7 years & OEM Direct India office shall be operational for minimum 3 years B) Camera should have MTBF of 5 years duly certified by OEM own lab/quality testing confirmation C) OEM Should have India RMA center with TOLL FREE number with Operations from Monday to Saturday 10AM to 6PM and Regional Service centre in East atleast 2 numbers shall be need since the project is based out of Guwahati ,so any support need on product must be available in East support for quick resolution</p>	<p>The OEM without any JV/Distributor should have their registered office in India for atleast 10 years and should have been operating own service centre and RMA in India from the last 10 years as on RFP date. It should be on same OEM name throughout the 10 year period</p> <p>Clause to be read as Camera shall have MTBF (life of Camera) min 7 years, OEM to submit test report duly signed with MTBF values certified by 3rd party electronic relaiability prediction software(Siemens / GE)</p>	Surveillance	10 years would be Added adv	

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	1130	Honeywell Automation India Limited	Volume 2, 5.1.4.12 VMS System Size	103 of 400	2. The VMS OEM must have at least one project experience of minimum 2000 cameras in India. (PO copy required to be submitted).	Kindly clarify requirement of VMS qualification- whether reference of 1000 IP camera to be shown as per Volume I, 3.6.1 Technical Bid Criteria & Evaluation, B4.3 or 2000 cameras as per Vol 2 clause.	The OEM of Video Management System (VMS), Video Analytics (VA) and Camera should have Supplied together a surveillance solution with minimum of 1500 cameras per project in atleast 5 projects in last 5 years in India.	Surveillance	Bidder to submit unpriced PO/Satisfactory report of the same project of both OEM.	
Vol.2	1167	Honeywell Automation India Limited	Vol-2 3.4 Project Objectives	11	Intelligent Video analytics at edge devices locations and centralized.	Intelligent Video analytics at edge devices locations or centralized.Please allow bidder to choose as per their design	Please read the clause as Intelligent Video Analytics should be done at the edge	Surveillance		
Vol.2	1179	Honeywell Automation India Limited	Vol2: 5.1.2.5 Other General Requirements A. Management/Integration functionality	Pg68	d) The Surveillance System shall support alarm management. The alarm management shall allow for the continuous monitoring of the operational status and event triggered alarms from system servers, cameras and other external devices.	Since Alarm management is sub component of Incident Management and Incident management is already part of Command control platform, same RFP Volume 2, section 5.2.1 point 9 and 5.1.4.2 point 2, so to avoid duplicity, kindly modify below; d) The Surveillance/Command Control System shall support alarm management. The alarm management shall allow for the continuous monitoring of the operational status and event triggered alarms from system servers, cameras and other external devices.	Tender conditions shall prevail	Surveillance		
Vol.2	1180	Honeywell Automation India Limited	Vol2: 5.1.2.5 Other General Requirements A. Management/Integration functionality	Pg68	e) It should be possible to integrate the Surveillance System with 3rd-party software, to enable the users to develop customized applications for enhancing the use of video surveillance solution. For e.g., integrating alarm management to initiate SMS, EMail, VoIP call etc.	Since Alarm management is sub component of Incident Management and Incident management is already part of Command control platform, same RFP Volume 2, section 5.2.1 point 9 and 5.1.4.2 point 2, so to avoid duplicity, kindly modify below; e) It should be possible to integrate the Surveillance System/Command Control with 3rd-party software, to enable the users to develop customized applications for enhancing the use of video surveillance solution. For e.g., integrating alarm management to initiate SMS, EMail, VoIP call etc.	Since Alarm management is sub component of Incident Management and Incident management is already part of Command control platform, same RFP Volume 2, section 5.2.1 point 9 and 5.1.4.2 point 2, so to avoid duplicity, kindly modify below; e) It should be possible to integrate the Surveillance System/Command Control with 3rd-party software, to enable the users to develop customized applications for enhancing the use of video surveillance solution. For e.g., integrating alarm management to initiate SMS, EMail, VoIP call etc.	Surveillance		
Vol.2	1183	Honeywell Automation India Limited	Vol2: 5.1.2.5 Other General Requirements G. Alarm Management Module	Pg70	e) Based on alarms/alerts, customized/standard alert messages should be published on VMB/PA, after authorization by a supervisor/operator.	We understand this requirement is for ICCC since incident management is part of ICCC, please confirm,	It is required that the functionality is to be provided in totality, this may be by either by VMS / ICCC or any other application.	Surveillance		
Vol.2	1185	Honeywell Automation India Limited	Vol2: 5.1.4 Video Management System (VMS)	Pg91	16. All CCTV cameras locations shall be overlaid in graphical map in the VMS Graphical User Interface (GUI). The cameras selection for viewing shall be possible via clicking in the camera location on the graphical map. The graphical map shall be of high resolution enabling operator to zoom-in for specific location while selecting a camera for viewing.	Since GIS will be integral part of Command control platform so all CCTV cameras will be mapped on GIS and will be part of ICCC UI and GIS, Same has been already mentioned in RFP Volume 2, section 5.1.4.2 point 2. Kindly modify below; 16. All CCTV cameras locations shall be overlaid in graphical map in the VMS/ICCC Graphical User Interface (GUI). The cameras selection for viewing shall be possible via clicking in the camera location on the graphical map. The graphical map shall be of high resolution enabling operator to zoom-in for specific location while selecting a camera for viewing.	It is required that the functionality is to be provided in totality, this may be by either by VMS / ICCC or any other application.	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	1186	Honeywell Automation India Limited	Vol2: 5.1.4 Video Management System (VMS)	Pg92	28. The VMS shall be capable of intrusion detection: Detection of moving objects in selected areas covered by the camera (those that are specified as restricted areas like those before some major events, etc.). Avoid false alarms due to wildlife or other moving objects (e.g., tree leaves). 29. The VMS shall be capable of tracing of a specific person or object in multi-camera videos: Track a specific person or object across several surveillance (e.g., to trace and identify criminals and/or anti-social elements). 30. The VMS shall be capable of counting of people and detection of abnormal crowdbehavior: Detection of people flow and counting of people in selected areas. To identify abnormal crowd behavior and raise alarms to avoid untoward incidences in public places and maintaining law & order.	Requirement is relevant to Video analytics hence bidder can achieve these functionalities through ICCV/VMS/Video analytics software, kindly confirm	28. The VMS shall be capable of intrusion detection: Detection of moving objects in selected areas covered by the camera (those that are specified as restricted areas like those before some major events, etc.). 29. The VMS shall be capable of tracing of a specific person or object in multi-camera videos on recorded videos as forensics search: Based on object color 30. The VMS shall be capable of counting of people and detection of crowd: Detection of people flow and counting of people in selected areas.	Surveillance		
Vol.2	1189	Honeywell Automation India Limited	Volume2, 5.1.4.14, a) Video Analytics Features	107	VA should enable any combination of analytics rules to run on the same camera simultaneously, without limitations.	In addition to the given requirement, kindly consider the below suggestion to enhance the ease in user experience from operator point of view. The system should allow deployment of any analytics to run on any camera without any MAC level or IP level locking. Any analytics should be deployable and redeployable on any camera or video source as far as the camera view supports such use cases to be deployed. The user interface should have a matrix to assign, start, stop and schedule any use-case on any camera.	VA should enable minimum 8 different combination of analytics rules to run on the same camera simultaneously	Surveillance		
Vol.2	1190	Honeywell Automation India Limited	Volume2, 5.1.4.14, a) Video Analytics Features	106	10. The VMS should escalate the Events to recipients in the form of SMS/emails if the Events are not acknowledged by the operators within a specific period.	The mentioned requirement is an essential part of the Video Analytics software. Request you to kindly consider the following suggestion: The VA system should escalate the Events to recipients in the form of SMS/emails if the Events are not acknowledged by the operators within a specific period.	It is required that the functionality is to be provided in totality, this may be by either by VMS / ICCV or any other application.	Surveillance		
Vol.2	1191	Honeywell Automation India Limited	Volume2, 5.1.4.14, a) Video Analytics Features	106	11. The VMS should send HTTP messages to any external server on receipt of the Events.	The mentioned requirement is an essential part of the Video Analytics software and can be better fulfilled using VA software. Request you to kindly consider the following suggestion: The VA system should send HTTP messages to any external server on receipt of the Events.	It is required that the functionality is to be provided in totality, this may be by either by VMS / ICCV or any other application.	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	1192	Honeywell Automation India Limited	Volume2, 5.1.4.14, a) Video Analytics Features	106	The VMS should show the Event messages on detection of Analytics events on the same Client live view panel instantly. On clicking on the message, relevant snap of the scene should appear on screen. On dragging the message to any video tile in the live view panel, the relevant portion of the video should be replayed automatically.	The mentioned requirement is an essential part of the Video Analytics software. Request you to kindly consider the following suggestion: The VA should show the Event messages on detection of Analytics events on the same Client live view panel instantly. The system should provide the following key UI screens: Event Notifications: The result of any video analytics app should be in the form of events that contain the screenshot with other metadata describing the event, such as detected objects, timestamp, camera/video that generated the event and all other metadata representing the event from different apps. The User Interface should have a grid and list view with all the events from different cameras etc. Data Analytics Dashboard: The user interface should also have an analytics dashboard listing all the patterns of events from different cameras and apps with a heat map of number of events on an hourly basis. App Camera Grid: The user interface should have a matrix to assign, start, stop and schedule any app on any camera. The status of active and non-active apps should be clearly visible with color coded information.	Tender conditions shall prevail	Surveillance		
Vol.2	1193	Honeywell Automation India Limited	5.1.3.1 Dome CCTV Cameras	73	1. Three-level password protection, IP Address filtering, User Access Log, HTTPS encryption 2. 802.1x network authentication with EAP/TLS 3. Signed Firmware 4.FTP disabled and Telnet closed, 5. OEM need to confirm on their letter head that any component/ hardware/ parts/assembly/ software including firmware used in the offered solutions 6. Any of the security certifications of IEC/EN/UL -60950-1 /60950-22, IEC-62471	Please delete "Three-level password protection" Please amend 6. Any of the security certifications of IEC/EN/UL -60950-1 /60950-22, IEC-62471 and add "or any cyber security certification from UL/EN/IEC" Please complete the statement 5. OEM need to confirm on their letter head that any component/ hardware/ parts/assembly/ software including firmware used in the offered solutions and add " is tested for cyber security and will not tap information regarding network, network users and information stored on the network that is classified and or related to national Security, there by contravening Official Secrets Act 1923 and are / will be free from Trojans, Viruses, worms, Spy wares or any malicious software offered or Software that will be developed. " Please add "OEM of CCTV Camera should have supplied for outdoor installation at least 2000 Cameras in a single project in India"	Tender conditions shall prevail	Surveillance		
Vol.2	1194	Honeywell Automation India Limited	5.1.3.1 Dome CCTV Cameras	73	ONVIF profile S, G & T	Please delete ONVIF T. Please add the following: Camera should be listed in ONVIF website as a conformant model and ONVIF Certificate should be downloadable for each of the proposed models from the ONVIF website.	Certification: UL, EN, CE, FCC, RoHS, ONVIF profile S, G & T for all cameras	Surveillance		
Vol.2	1195	Honeywell Automation India Limited	5.1.3.1 Dome CCTV Cameras	74	Camera should have MTBF of minimum 7 years duly certified by NABL Accredited LAB or international reputed LAB.	Please delete this clause.	Clause to be read as Camera shall have MTBF (life of Camera) min 7 years, OEM to submit test report duly signed with MTBF values certified by 3rd party electronic reliability prediction software(Siemens / GE)	Surveillance		
Vol.2	1196	Honeywell Automation India Limited	5.1.3.2 Fixed Bullet CCTV Cameras	75	Multiple Streams: Quad stream	Please amend to "Triple streaming fully configurable / Multi- streaming"	Tender conditions shall prevail	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	1197	Honeywell Automation India Limited	5.1.3.2 Fixed Bullet CCTV Cameras	75	Auto adjustment + Remote Control of Image settings : Saturation, contrast, brightness, sharpness, white balance, orientation: auto, 0°, 90°, 180°, 270°. mirroring of images, 5 Privacy masks, noise reduction, SNR >50 dB	Please amend to " Saturation, contrast, brightness, sharpness, white balance, orientation: auto, 0°, 90°, 180°, 270°. mirroring of images, 4 Privacy masks, noise reduction, SNR >50 dB"	Tender conditions shall prevail	Surveillance		
Vol.2	1198	Honeywell Automation India Limited	5.1.3.2 Fixed Bullet CCTV Cameras	76	1. Three-level password protection, IP Address filtering, User Access Log, HTTPS encryption 2. 802.1x network authentication with EAP/TLS 3. Signed Firmware 4.FTP disabled and Telnet closed, 5. OEM need to confirm on their letter head that any component/ hardware/ parts/assembly/ software including firmware used in the offered solutions 6. Any of the security certifications of IEC/EN/UL -60950-1 /60950-22, IEC-62471	Please delete "Three-level password protection" Please amend 6. Any of the security certifications of IEC/EN/UL -60950-1 /60950-22, IEC-62471 and add "or any cyber security certification from UL/EN/IEC" Please complete the statement 5. OEM need to confirm on their letter head that any component/ hardware/ parts/assembly/ software including firmware used in the offered solutions and add " is tested for cyber security and will not tap information regarding network, network users and information stored on the network that is classified and or related to national Security, there by contravening Official Secrets Act 1923 and are / will be free from Trojans, Viruses, worms, Spy wares or any malicious software offered or Software that will be developed. " Please add "OEM of CCTV Camera should have supplied for outdoor installation at least 2000 Cameras in a single project in India"	Tender conditions shall prevail	Surveillance		
Vol.2	1199	Honeywell Automation India Limited	5.1.3.2 Fixed Bullet CCTV Cameras	76	Crowd density estimation.	Please delete crowd density estimation.	Tender conditions shall prevail	Surveillance		
Vol.2	1200	Honeywell Automation India Limited	5.1.3.2 Fixed Bullet CCTV Cameras	76	ONVIF profile S, G & T	Please delete ONVIF T. Please add the following: Camera should be listed in ONVIF website as a conformant model and ONVIF Certificate should be downloadable for each of the proposed models from the ONVIF website.	Certification: UL, EN, CE, FCC, RoHS, ONVIF profile S, G & T for all cameras	Surveillance		
Vol.2	1201	Honeywell Automation India Limited	5.1.3.2 Fixed Bullet CCTV Cameras	74	Camera should have MTBF of minimum 7 years duly certified by NABL Accredited LAB or international reputed LAB.	Please delete this clause.	Clause to be read as Camera shall have MTBF (life of Camera) min 7 years, OEM to submit test report duly signed with MTBF values certified by 3rd party electronic reliability prediction software(Siemens / GE)	Surveillance		
Vol.2	1202	Honeywell Automation India Limited	5.1.3.3 PTZ CCTV Cameras	78	Multiple Streams: Quad stream	Please amend to "Triple streaming fully configurable / Multi- streaming"	Tender conditions shall prevail	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	1203	Honeywell Automation India Limited	5.1.3.3 PTZ CCTV Cameras	79	1. Three-level password protection, IP Address filtering, User Access Log, HTTPS encryption 2. 802.1x network authentication with EAP/TLS 3. Signed Firmware 4.FTP disabled and Telnet closed, 5. OEM need to confirm on their letter head that any component/ hardware/ parts/assembly/ software including firmware used in the offered solutions 6. Any of the security certifications of IEC/EN/UL -60950-1 /60950-22, IEC-62471	Please delete "Three-level password protection" Please amend 6. Any of the security certifications of IEC/EN/UL -60950-1 /60950-22, IEC-62471 and add "or any cyber security certification from UL/EN/IEC" Please complete the statement 5. OEM need to confirm on their letter head that any component/ hardware/ parts/assembly/ software including firmware used in the offered solutions and add " is tested for cyber security and will not tap information regarding network, network users and information stored on the network that is classified and or related to national Security, there by contravening Official Secrets Act 1923 and are / will be free from Trojans, Viruses, worms, Spy wares or any malicious software offered or Software that will be developed." Please add "OEM of CCTV Camera should have supplied for outdoor installation at least 2000 Cameras in a single project in India" Please add "All proposed Camera models should be RoHS certified"	Tender conditions shall prevail	Surveillance		
Vol.2	1204	Honeywell Automation India Limited	5.1.3.3 PTZ CCTV Cameras	79	Camera must have edge base analytics Viz; Enter / leave field, Loitering, Line Crossing, follow route, Idle / removed object, Counting, Occupancy, Crowd density estimation. Bidder to ensure minimum 8 Different types of analytics shall run simultaneously in each Camera	Please delete edge analytic requirement from PTZ Cameras	Camera must have edge base analytics Viz; Enter / leave field, Loitering, Line Crossing, follow route, Idle / removed object, Counting, Occupancy, Crowd density estimation. Bidder to ensure minimum 8 Different types of analytics shall run simultaneously in each Camera	Surveillance		
Vol.2	1205	Honeywell Automation India Limited	5.1.3.3 PTZ CCTV Cameras	80	IP66 Rated	Please amend to "IP-67 & IK10 (full body including glass)"	Better specifications are acceptable	Surveillance		
Vol.2	1206	Honeywell Automation India Limited	5.1.3.3 PTZ CCTV Cameras	80	Minimum 4 Input & 2 Output contact integrated/ external for 3rd part interface	2 Input & 1 Output	Alarm I/O Minimum 2 Input & 1 Output contact integrated/ external for 3rd part interface	Surveillance		
Vol.2	1207	Honeywell Automation India Limited	5.1.3.3 PTZ CCTV Cameras	80	ONVIF profile S, G & T	Please delete ONVIF T. Please add the following: Camera should be listed in ONVIF website as a conformant model and ONVIF Certificate should be downloadable for each of the proposed models from the ONVIF website.	Tender conditions shall prevail	Surveillance		ONVIF profile S,G and T are related to video streaming with encoding formats such as H.264/H.265, image settings, tampering detection, including PTZ control, audio and metadata support etc. Therefore the clause should remain the same
Vol.2	1208	Honeywell Automation India Limited	5.1.3.3 PTZ CCTV Cameras	80	Inbuilt 850nm intensity adjustable IR with minimum 180 meters range, with object identification	Please amend to "Inbuilt intensity adjustable IR with minimum 180 meters range"	IR Illuminator: Inbuilt intensity adjustable IR with minimum 180 meters range, with object identification	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	1209	Honeywell Automation India Limited	4.20 Edge Analytics	80	1. Three-level password protection, IP Address filtering, User Access Log, HTTPS encryption 2. 802.1x network authentication with EAP/TLS 3. Signed Firmware 4.FTP disabled and Telnet closed, 5. OEM need to confirm on their letter head that any component/ hardware/ parts/assembly/ software including firmware used in the offered solutions 6. Any of the security certifications of IEC/EN/UL -60950-1 /60950-22, IEC-62471	Please delete "Three-level password protection" Please amend 6. Any of the security certifications of IEC/EN/UL -60950-1 /60950-22, IEC-62471 and add "or any cyber security certification from UL/EN/IEC" Please complete the statement 5. OEM need to confirm on their letter head that any component/ hardware/ parts/assembly/ software including firmware used in the offered solutions and add " is tested for cyber security and will not tap information regarding network, network users and information stored on the network that is classified and or related to national Security, there by contravening Official Secrets Act 1923 and are / will be free from Trojans, Viruses, worms, Spy wares or any malicious software offered or Software that will be developed. " Please add "OEM of CCTV Camera should have supplied for outdoor installation at least 2000 Cameras in a single project in India" Please add "All proposed Camera models should be RoHS certified"	Tender conditions shall prevail	Surveillance		
Vol.2	1210	Honeywell Automation India Limited	Volume-2/4.20 Edge Analytics	42	4.20 Edge Analytics The SI will be responsible for designing and implementing edge analytics at camera level. Following listed use cases should be part of implementation and should be not be limited to: 1. Safety: Detection and classification based on: a) Parking violation b) Loitering detection c) Crowd Detection d) Gesture recognition: Identification through gesture change 2. Wrong way or illegal turn detection at ITMS Signal Crossing.	Please allow the MSI to choose either edge or central server based analytics.	Edge Analytics The SI will be responsible for designing and implementing edge analytics at either at camera level or server level. Following listed use cases should be part of implementation and should be not be limited to: 1. Safety: Detection and classification based on: a) Parking violation b) Loitering detection c) Crowd Detection d) people counting, e) line crossing, f) Idle/removed object, scene change g) Follow route 2. Wrong way or illegal turn detection.	Surveillance		
Vol.2	1211	Honeywell Automation India Limited	5.1.3.3 PTZ CCTV Cameras	80	Camera should have MTBF of minimum 7 years duly certified by NABL Accredited LAB or international reputed LAB.	Please delete this clause.	Clause to be read as Camera shall have MTBF (life of Camera) min 7 years, OEM to submit test report duly signed with MTBF values certified by 3rd party electronic reliability prediction software(Siemens / GE)	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	1288	STL - Sterlite Technologies Limited	Vol.02:4.6.3 4.10 City Surveillance System – (CCTV Camera), Point no 8.d.	Page 30 of 400	d. Ensure that the pole is well placed for vibration resistance adhering to the road safety norms.	Kindly provide specifications for vibration proof Pole installation. Can the pole installation to be done confirming to IS codes? Kindly confirm	Tender conditions shall prevail	Surveillance		
Vol.2	1289	STL - Sterlite Technologies Limited	Vol.02:4.6.3 4.10 City Surveillance System – (CCTV Camera), Point no 8.e.	Page 30 of 400	Collusion preventive barriers around the junction box & pole foundation in case it's installed in collision pre place.	Kindly provide area for demarkation and maetial specifications. Can SI consider the 25X3 mm MS L channel for corner and one strip in between with perforated GI mesh along with paint? Kindly confirm	Tender conditions shall prevail	Surveillance		
Vol.2	1663	Inspira Enterprise	RFP VOL II Section 5.1.4 Video Management System (VMS)	89	Video management server, on which the VMS is hosted upon, shall run seamlessly in the background to manage connections, access and storage.	Video management server, on Linux operating system on which the VMS is hosted upon, shall run seamlessly in the background to manage connections, access and storage	Tender conditions shall prevail	Surveillance		
Vol.2	1664	Inspira Enterprise	RFP VOL II Section 5.1.4 Video Management System (VMS)	90	4. All the offered VMS and cameras shall have ONVIF compliance.	All the offered VMS and cameras shall have ONVIF compliance. VMS OEM must be ONVIF member with profile S, G and T complied	Tender conditions shall prevail	Surveillance		
Vol.2	1665	Inspira Enterprise	RFP VOL II Section 5.1.4 Video Management System (VMS)	90	7. The VMS shall be enabled for integration with any external Video Analytics Systems	The VMS shall have integrated Video Analytics Systems to optimise server hardware requirement.	The VMS should seamlessly integrate with all the camera edge Video Analytics module and manage alarmas as required in the RFP	Surveillance		
Vol.2	1666	Inspira Enterprise	RFP VOL II Section 5.1.4 Video Management System (VMS)	91	16. All CCTV cameras locations shall be overlaid in graphical map in the VMS Graphical User Interface (GUI). The cameras selection for viewing shall be possible via clicking in the camera location on the graphical map. The graphical map shall be of high resolution enabling operator to zoom-in for specific location while selecting a camera for viewing.	All CCTV cameras locations shall be overlaid in graphical map in the VMS Graphical User Interface (GUI). The cameras selection for live and archive viewing shall be possible via clicking in the camera location on the graphical map. The graphical map shall be of high- resolution enabling operator to zoom-in for specific location while selecting a camera for viewing.	Tender conditions shall prevail	Surveillance		
Vol.2	1667	Inspira Enterprise	RFP VOL II Section 5.1.4 Video Management System (VMS)	92	26. The VMS shall support retrieving data from edge storage. Thus, when a lost or broken connection is restored, it shall be possible to retrieve the video from SD card and store it on central storage.	The VMS shall support retrieving data from edge storage. Thus, when a lost or broken connection is restored, it shall be possible to retrieve the video from SD card and store it on central storage. Therefore the camera and VMS must be ONVIF profile G compliant	Tender conditions shall prevail	Surveillance		
Vol.2	1668	Inspira Enterprise	RFP VOL II Section 5.1.4 Video Management System (VMS)	93	36. VMS/ICCC shall support integration with the ANPR application.	VMS must have integrated ANPR application	The requested functionality is to be provided in full. This may be accomplished either by VMS / ICCC / VA or any other application.	Surveillance		
Vol.2	1669	Inspira Enterprise	RFP VOL II Section 5.1.4 Video Management System (VMS)	93	37. VMS shall support integration with other online and offline video analytic applications	VMS must have integrated online and offline video analytic applications	Tender conditions shall prevail	Surveillance	Not relevant as edge based analytics is requested in the RFP or delete the clause	

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	1670	Inspira Enterprise	RFP VOL II Section 5.1.4 Video Management System (VMS)		New Clause	The VMS OEM must have development centre in India for last 10 years. Incorporation certificate must be attached.	Tender conditions shall prevail	Surveillance		
Vol.2	1671	Inspira Enterprise	RFP VOL II Section 5.1.4 Video Management System (VMS)		New Clause	The VMS OEM must submit minimum 10 nos of satisfactorily running certificate from any Govt/Railways/Airports/Police department.	Tender conditions shall prevail	Surveillance		
Vol.2	1672	Inspira Enterprise	RFP VOL II Section 5.1.4 Video Management System (VMS)		New Clause	The system should allow the user to mark any important section of video as do not delete. This portion will need administration confirmation to delete in future	Tender conditions shall prevail	Surveillance		
Vol.2	1673	Inspira Enterprise	RFP VOL II Section 5.1.4 Video Management System (VMS)		New Clause	It should be possible to view the activities on the operator screen from the supervisor/administrator screen, including all the windows open on the operator screen. It should also be possible to record the screen if required	Tender conditions shall prevail	Surveillance		
Vol.2	1674	Inspira Enterprise	RFP VOL II Section 5.1.4 Video Management System (VMS)		New Clause	The VMS should support layered maps using standard picture files, GIS maps and online maps such as Google, Bing, Open street maps. It should be possible to drag and drop the cameras on the map for easy navigation	Tender conditions shall prevail	Surveillance		
Vol.2	1675	Inspira Enterprise	RFP VOL II Section 5.1.4 Video Management System (VMS)		New Clause	The VMS should show event notification from the cameras on the map itself. The operator should be able to click on the event notification of a particular camera on the map and the VMS should open the event window on the operator screen.	Tender conditions shall prevail	Surveillance		
Vol.2	1676	Inspira Enterprise	RFP VOL II Section 5.1.4 Video Management System (VMS)		New Clause	The VMS shall be Codec, Operating systems (Linux and Windows and mix platform) and IP camera agnostic such that it can support devices that are not supplied by the manufacturer/developer of the VMS software and Codec hardware	Tender conditions shall prevail	Surveillance		
Vol.2	1677	Inspira Enterprise	RFP VOL II Section 5.1.4.2 VMS General	94	7. b) System should support to apply below listed filters to search results: i. Object size ii. Object color iii. Direction of object motion iv. Speed of the moving object v. Defined area entry/appearance and zone exit/disappearance	System should support to apply below listed filters to search results: i. Object size ii. Object color iii. Direction of object motion iv. Defined area entry/appearance and zone exit/disappearance	Clause (iv) to be removed and (i) to be ammended as Object size and classification	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	1678	Inspira Enterprise	RFP VOL II Section 5.1.4.2 VMS General	94	6. Video management software shall incorporate online video analytics on live video images. It shall include the following video analytics detection tools: a. Presence detection for moving and stopped vehicles b. Directional sensitive presence detection c. Congestion Detection d. Loitering detection e. Improper Parking f. Camera Tampering g. Abandoned objects detection	Video management software shall incorporate online video analytics on live video images. It shall include the following video analytics detection tools: a. Presence detection for moving and stopped vehicles b. Directional sensitive presence detection c. Congestion Detection d. Loitering detection e. Improper Parking f. Camera Tampering g. Abandoned objects detection h. Fire detection i. Smoke detection j. Face Capture k. Event against face with No Mask l. Event against not maintaining minimum guided social distancing m. Crowd detection	Tender conditions shall prevail	Surveillance		
Vol.2	1679	Inspira Enterprise	RFP VOL II Section 5.1.4.2 VMS General	95	12. Recorded video viewing: The system shall allow the viewing of recorded video from any camera on the system at whatever rate the camera was recorded.	The system shall allow the viewing of recorded video from any camera on the system at whatever rate the camera was recorded. It must be possible to view live and recorded view of many cameras simultaneously in a single GUI grid	Tender conditions shall prevail	Surveillance		
Vol.2	1680	Inspira Enterprise	RFP VOL II Section 5.1.4.2 VMS General	95	Point 13 - Storage of video: The system shall store online thirty (30) days of video for all cameras. Balance 60 days will be on low cost secondary storage (compressed form) or tape library	Request to remove the tape Library option. Although as vendor - we can provide the Tape library option however considering the long-term life-cycle, Data consistency and available - low cost secondary storage would be preferred option. Requesting to remove Tape Library option. Please confirm?	Tender conditions shall prevail	Surveillance		
Vol.2	1681	Inspira Enterprise	RFP VOL II Section 5.1.4.3 VMS GUI Capabilities	95	1. The user interface shall be via a GUI providing multiple video streams simultaneously on multiple monitors.	The user interface shall be via a GUI providing video streams simultaneously on multiple monitors. Thus VMS must be capable to handle up to 4 monitors with out video wall controller.	The user interface shall be via a GUI providing video streams simultaneously on multiple monitors. Thus VMS must be capable to handle minimum 4 monitors with out video wall controller.	Surveillance		
Vol.2	1682	Inspira Enterprise	RFP VOL II Section 5.1.4.3 VMS GUI Capabilities	96	4. The GUI shall conform to standard Windows conventions	The GUI shall conform to standard Windows conventions. The client software must be possible to run on windows when server software is on Linux operating system for security issue.	Tender conditions shall prevail	Surveillance		
Vol.2	1683	Inspira Enterprise	RFP VOL II Section 5.1.4.11 VMS Integration Requirements	102	1. VMS shall be integrated within a consolidated GUI that would include other command control Center systems as well. All events, activations and alarms that occur with the VMS and its sub systems will interact seamlessly between the command and control center sub systems as required	VMS shall be integrated seamlessly with command control Center systems as well. All events, activations and alarms that occur with the VMS and its sub systems will interact seamlessly between the command and control center sub systems as required	Tender conditions shall prevail	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	1684	Inspira Enterprise	RFP VOL II Section 5.1.4.11 VMS Integration Requirements	103	6. If an SDK solution / Object model is provided the system shall allow reconfiguration by (City) and end users without recourse to special languages. A system SDKs / Object model shall be supplied with all required supporting software to allow the integration of the system with new devices and systems.	If an SDK solution / API is provided the system shall allow reconfiguration by (City) and end users without recourse to special languages. A system SDKs / API shall be supplied with all required supporting software to allow the integration of the system with new devices and systems	If an SDK solution / API / Object Model is provided the system shall allow reconfiguration by (City) and end users without recourse to special languages. A system SDKs / API shall be supplied with all required supporting software to allow the integration of the system with new devices and systems	Surveillance		
Vol.2	1685	Inspira Enterprise	RFP VOL II Section 5.1.4.11 VMS Integration Requirements	103	2. Either the OPC or the SDK or Object Model shall manage the interface between the VMS, GUI and the other City Management systems as required.	VMS must have open API for any integration with any systems.	Tender conditions shall prevail	Surveillance		
Vol.2	1686	Inspira Enterprise	RFP VOL II Section 5.1.4.11 VMS Integration Requirements	103	3. The OPC or SDK or Object Model shall allow the operator workstations to control the VMS irrespective of the vender chosen by duplicating all control functionality of the VMS used for normal day-to-day activities.	The API or SDK or Object Model shall allow the operator workstations to control the VMS irrespective of the vender chosen by duplicating all control functionality of the VMS used for normal day-to-day activities.	The API or SDK or Object Model shall allow the operator workstations to control the VMS irrespective of the vender chosen by duplicating all control functionality of the VMS used for normal day-to-day activities.	Surveillance		
Vol.2	1687	Inspira Enterprise	RFP VOL II Section 5.1.4.11 VMS Integration Requirements	103	5. If an OPC interface cannot be provided, an alternative solution shall be provided for this data using a standard open protocol and confirmation as to how this shall be implemented shall be provided in the technical proposal return	If an API interface cannot be provided, an alternative solution shall be provided for this data using a standard open protocol and confirmation as to how this shall be implemented shall be provided in the technical proposal return	Tender conditions shall prevail	Surveillance		
Vol.2	1688	Inspira Enterprise	RFP VOL II Section 5.1.4.12 VMS System Size	103	1. The VMS shall enable handling of up to at least 10,000 cameras for future scalability as may be required at additional cost of camera license.	The VMS shall enable handling unlimited cameras for future scalability as may be required at additional cost of camera license	Tender conditions shall prevail	Surveillance		
Vol.2	1689	Inspira Enterprise	RFP VOL II Section 5.1.4.12 VMS System Size	103	2. The VMS OEM must have at least one project experience of minimum 2000 cameras in India. (PO copy required to be submitted).	The VMS OEM must have at least one project experience of minimum 10000 cameras in India in a single project. (PO copy required to be submitted).	The OEM of Video Management System (VMS), Video Analytics (VA) and Camera should have Supplied together a surveillance solution with minimum of 1500 cameras per project in atleast 5 projects in last 5 years in India.	Surveillance	Bidder to submit unpriced PO/Satisfactory report of the same project of both OEM.	
Vol.2	1690	Inspira Enterprise	RFP VOL II Section 5.1.4.14 a) Video Analytics Features:	106	6. VA should allow multiple instances of Client Viewer in a single workstation	VA should allow multiple instances of Client Viewer in a single workstation in VMS GUI	Tender conditions shall prevail	Surveillance		
Vol.2	1691	Inspira Enterprise	RFP VOL II Section 5.1.4.14 a) Video Analytics Features:	106	7. VA should be able to utilize multiple monitors connected to the workstation to perform various tasks simultaneously (e.g. Live viewing, Archive Search, Site map display, etc.)	VA should be able to utilize multiple monitors connected to the VMS client workstation to perform various tasks simultaneously (e.g. Live viewing, Archive Search, Site map display, etc.)	VA should be able to utilize minimum 4 monitors connected to the VMS client workstation to perform various tasks simultaneously (e.g. Live viewing, Archive Search, Site map display, etc.)	Surveillance		
Vol.2	1692	Inspira Enterprise	RFP VOL II Section 5.1.4.14 a) Video Analytics Features:	106	1. VA should support multiple Video Analytics servers running on different machines.	VA should support multiple Video Analytics servers running on different machines. It must be possible to run VMS and analytics in same server for hardware optimisation	Tender conditions shall prevail	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	1693	Inspira Enterprise	RFP VOL II Section 5.1.3.1 Dome CCTV Cameras	72	8. Video Resolution: 2MP- 1920x 1080p	Request you to change clause " Video Resolution : 5MP - 2560x1920P, 2MP is getting phase out by OEM due to availability of better MP. So Request you to consider it .	Tender conditions shall prevail	Surveillance		
Vol.2	1694	Inspira Enterprise	RFP VOL II Section 5.1.3.1 Dome CCTV Cameras	73	28. OEM Criteria: OEM without any JV/Distributor Should have their own registered office in India since Last 7 years	Request you to consider to amend OEM Criteria : OEM without any JV/Distributor should have their own registered office in india since last 5 years alsoCCTV OEM must have experience of manufacturing of CCTV Products from last 5 years in India or 10 years for non-Indian OEM. The OEM of CCTV Equipment should be in surveillance business for at least 10(Ten) years as of 31st March 2020 and should have valid factory license.	The OEM without any JV/Distributor should have their registered office in India for atleast 10 years and should have been operating own service centre and RMA in India from the last 10 years as on RFP date. It should be on same OEM name throughout the 10 year period	Surveillance		
Vol.2	1695	Inspira Enterprise	RFP VOL II Section 5.1.3.1 Dome CCTV Cameras	73	28. OEM Criteria: OEM without any JV/ Distributor Should have their own service center in India since Last 7 years	Request you to consider to amend OEM Criteria: OEM without any JV/ Distributor Should have their own service center in India since Last 5 years	The OEM without any JV/Distributor should have their registered office in India for atleast 10 years and should have been operating own service centre and RMA in India from the last 10 years as on RFP date. It should be on same OEM name throughout the 10 year period	Surveillance		
Vol.2	1696	Inspira Enterprise	RFP VOL II Section 5.1.3.1 Dome CCTV Cameras	73	26. Certification: UL, EN, CE, FCC, RoHS,ONVIF profile S, G & T	Please Remove "ONVIF T". It is specific to OEMs and ONVIF Profile S,G are widely accepted and available with all leading OEMs. Please consider it.	Certification: UL, EN, CE, FCC, RoHS, ONVIF profile S, G & T for all cameras	Surveillance		
Vol.2	1697	Inspira Enterprise	RFP VOL II Section 5.1.3.2 Fixed Bullet CCTV Cameras	74	4. Video Resolution: 2MP- 1920x 1080p	Request you to consider change clause " Video Resolution : 5MP -2560x1920P, 2MP is getting phase out by OEM due to availability of better MP. So Request you to consider it .	Tender conditions shall prevail	Surveillance		
Vol.2	1698	Inspira Enterprise	RFP VOL II Section 5.1.3.2 Fixed Bullet CCTV Cameras	75	14. Multiple Streams: Quad stream	Request you to consider to change clause :- "Multiple Streams: Three stream" it is available with all leading OEMs, and Quad stream is specific to OEM and is restricting to participate to other OEMS .	Tender conditions shall prevail	Surveillance		
Vol.2	1699	Inspira Enterprise	RFP VOL II Section 5.1.3.2 Fixed Bullet CCTV Cameras	76	27. Certification: UL, EN, CE, FCC, RoHS,ONVIF profile S, G & T	Please Remove "ONVIF T".It is specific to OEMs and ONVIF Profile S,G are widely accepted and available with all leading OEMs. Please consider it.	Certification: UL, EN, CE, FCC, RoHS, ONVIF profile S, G & T for all cameras	Surveillance		
Vol.2	1700	Inspira Enterprise	RFP VOL II Section 5.1.3.2 Fixed Bullet CCTV Cameras	77	29. OEM Criteria: OEM without any JV/Distributor Should have their own registered office in India since Last 7 years	Request you to consider to amend OEM Criteria : OEM without any JV/Distributor should have their own registered office in india since last 5 years alsoCCTV OEM must have experience of manufacturing of CCTV Products from last 5 years in India or 10 years for non-Indian OEM. The OEM of CCTV Equipment should be in surveillance business for at least 10(Ten) years as of 31st March 2020 and should have valid factory license.	The OEM without any JV/Distributor should have their registered office in India for atleast 10 years and should have been operating own service centre and RMA in India from the last 10 years as on RFP date. It should be on same OEM name throughout the 10 year period	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	1701	Inspira Enterprise	RFP VOL II Section 5.1.3.2 Fixed Bullet CCTV Cameras	77	29. OEM Criteria: OEM without any JV/ Distributor Should have their own service center in India since Last 7 years	Request you to consider to amend OEM Criteria :OEM without any JV/ Distributor Should have their own service center in India since Last 5 years	The OEM without any JV/Distributor should have their registered office in India for atleast 10 years and should have been operating own service centre and RMA in India from the last 10 years as on RFP date. It should be on same OEM name throughout the 10 year period	Surveillance		
Vol.2	1702	Inspira Enterprise	RFP VOL II Section 5.1.3.3 PTZ CCTV Cameras	77	4. Video Resolution: 2MP- 1920x 1080p	Request you to consider change clause " Video Resolution : 4MP -2560x1440P, 2MP is getting phase out by OEM due to availability of better MP. So Request you to consider it .	Tender conditions shall prevail	Surveillance		
Vol.2	1703	Inspira Enterprise	RFP VOL II Section 5.1.3.3 PTZ CCTV Cameras	77	8. Frame Rate: 50/60 FPS at full resolutions	Request you to Consider to Change this clause "30fps @2560X1440 .It will give better image quality without affecting functionality of the systems	PTZ Frame rate: 50/60 FPS at all resolutions	Surveillance		
Vol.2	1704	Inspira Enterprise	RFP VOL II Section 5.1.3.3 PTZ CCTV Cameras	77	6. Iris: Automatic with manual override or P-Iris	Request you to consider to add DC -IRIS , because P-IRIS is not available in PTZ.	Tender conditions shall prevail	Surveillance		
Vol.2	1705	Inspira Enterprise	RFP VOL II Section 5.1.3.3 PTZ CCTV Cameras	78	10. Lens: Auto-focus, 4.3 – 129 mm (-/+ 1mm) (corresponding to 30 X)	Request you to consider to change Lens : 6 -210 mm . It is available with all leading OEM in 4MP.	Tender conditions shall prevail	Surveillance		
Vol.2	1706	Inspira Enterprise	RFP VOL II Section 5.1.3.3 PTZ CCTV Cameras	78	12. Minimum Illumination: Colour: 0.04 lux @ F 1.6, B/W: 0.00 lux (at 30 IRE, F 1.6) or better	Request you to consider to change this clause " Color 0.5Lux . The mentioned illumination restricting to participate other OEMs. This is available with all leading OEMS and will help to participate others OEM.	Better specifications are acceptable	Surveillance		
Vol.2	1707	Inspira Enterprise	RFP VOL II Section 5.1.3.3 PTZ CCTV Cameras	79	26. Camera Analytics: Camera must have edge base analytics Viz; Enter / leavefield, Loitering, Line Crossing, follow route, Idle / removedobject, Counting, Occupancy, Crowd density estimation. Bidder to ensure minimum 8 Different types of analytics shall run simultaneously in each Camera	Request you to consider to remove this clause - "Camera Analytics:-Camera must have edge base analytics Viz; Enter / leavefield, Loitering, Line Crossing, follow route, Idle / removedobject, Counting, Occupancy, Crowd density estimation. Bidder to ensure minimum 8 Different types of analytics shall run simultaneously in each Camera because edge analytics does not work properly in PTZ due to continuous movement of camera. it is better work with VMS Software . Please consider it.	Tender condition shall prevail	Surveillance		
Vol.2	1708	Inspira Enterprise	RFP VOL II Section 5.1.3.3 PTZ CCTV Cameras	80	28. Operating conditions with IR: 20 °C to +60 °C	Request you to consider with IR :-20 °C to +50 °C. It is available with all leading OEMS. It is specific to OEM	Tender condition shall prevail	Surveillance		
Vol.2	1709	Inspira Enterprise	RFP VOL II Section 5.1.3.3 PTZ CCTV Cameras	80	32. Certification: UL, EN, CE, FCC, RoHS, ONVIF profile S, G & T	Please Remove "ONVIF T" , It is specific to OEMs and ONVIF Profile S, G are widely accepted and available with all leading OEMs. Please consider it.	Certification: UL, EN, CE, FCC, RoHS, ONVIF profile S, G & T for all cameras	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	1710	Inspira Enterprise	RFP VOL II Section 5.1.3.3 PTZ CCTV Cameras	80	34. OEM Criteria: OEM without any JV/Distributor Should have their own registered office in India since Last 7 years	Request you to consider to amend OEM Criteria : OEM without any JV/Distributor should have their own registered office in India since last 5 years alsoCCTV OEM must have experience of manufacturing of CCTV Products from last 5 years in India or 10 years for non-Indian OEM. The OEM of CCTV Equipment should be in surveillance business for at least 10(Ten) years as of 31st March 2020 and should have valid factory license.	The OEM without any JV/Distributor should have their registered office in India for atleast 10 years and should have been operating own service centre and RMA in India from the last 10 years as on RFP date. It should be on same OEM name throughout the 10 year period	Surveillance		
Vol.2	1711	Inspira Enterprise	RFP VOL II Section 5.1.3.3 PTZ CCTV Cameras	80	34. OEM Criteria: OEM without any JV/ Distributor Should have their own service center in India since Last 7 years	Request you to consider to amend OEM Criteria :OEM without any JV/ Distributor Should have their own service center in India since Last 5 years	The OEM without any JV/Distributor should have their registered office in India for atleast 10 years and should have been operating own service centre and RMA in India from the last 10 years as on RFP date. It should be on same OEM name throughout the 10 year period	Surveillance		
Vol.2	1845	VIVOTEK INC.	Volume 2,5.1.3.1 Dome Camera	Page No.72	SR(8) Video Resolution:2MP- 1920x 1080p	Request you to change clause " Video Resolution : 5MP - 2560x1920P, 5MP is having better resolution than 2 MP . It is available with all leading OEMS.. So Request you to consider it .	Tender conditions shall prevail	Surveillance		
Vol.2	1846	VIVOTEK INC.	Volume 2,5.1.3.1 Dome Camera	Page No.73	SR(28) OEM Criteria :-OEM without any JV/Distributor Should have their own registered office in India since Last 7 years	Request you to consider to amend OEM Criteria : OEM without any JV/Distributor should have their own registered office in India since last 5 years alsoCCTV OEM must have experience of manufacturing of CCTV Products from last 5 years in India or 10 years for non-Indian OEM. -The OEM of CCTV Equipment should be in surveillance business for at least 10(Ten) years as of 31st March 2020 and should have valid factory license. -OEM should not be blacklisted or barred by any Ministry of Government of India or any of the Government / PSUs or any other government department at the time of bidding. Declaration on OEM letterhead should be submitted.	The OEM without any JV/Distributor should have their registered office in India for atleast 10 years and should have been operating own service centre and RMA in India from the last 10 years as on RFP date. It should be on same OEM name throughout the 10 year period	Surveillance		
Vol.2	1847	VIVOTEK INC.	Volume 2,5.1.3.1 Dome Camera	Page No.73	SR(28) OEM Criteria :OEM without any JV/ Distributor Should have their own service center in India since Last 7 years	Request you to consider to amend OEM Criteria :OEM without any JV/ Distributor Should have their own service center in India since Last 5 years	The OEM without any JV/Distributor should have their registered office in India for atleast 10 years and should have been operating own service centre and RMA in India from the last 10 years as on RFP date. It should be on same OEM name throughout the 10 year period	Surveillance		
Vol.2	1848	VIVOTEK INC.	Volume 2,5.1.3.2 Fixed Bullet CCTV Cameras	Page No.74	SR(4) Video Resolution:2MP- 1920x 1080p	Request you to consider change clause " Video Resolution : 5MP -2560x1920P,5MP is having better resolution than 2 MP . It is available with all leading OEMS.. So Request you to consider it .	Tender conditions shall prevail	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	1849	VIVOTEK INC.	Volume 2.5.1.3.2 Fixed Bullet CCTV Cameras	Page No.75	SR(14)Multiple Streams: Quad stream	Request you to consider to change clause :- "Multiple Streams: Three stream" it is available with all leading OEMs, and Quad stream is specific to OEM and is restricting to participate to other OEMS .	Tender conditions shall prevail	Surveillance		
Vol.2	1850	VIVOTEK INC.	Volume 2.5.1.3.2	Page No.77	SR(29) OEM Criteria :-OEM without any JV/Distributor Should have their own registered office in India since Last 7 years	Request you to consider to amend OEM Criteria : - OEM without any JV/Distributor should have their own registered office in India since last 5 years alsoCCTV OEM must have experience of manufacturing of CCTV Products from last 5 years in India or 10 years for non-Indian OEM. -The OEM of CCTV Equipment should be in surveillance business for at least 10(Ten) years as of 31st March 2020 and should have valid factory license. -OEM should not be blacklisted or barred by any Ministry of Government of India or any of the Government / PSUs or any other government department at the time of bidding. Declaration on OEM letterhead should be submitted.	The OEM without any JV/Distributor should have their registered office in India for atleast 10 years and should have been operating own service centre and RMA in India from the last 10 years as on RFP date. It should be on same OEM name throughout the 10 year period	Surveillance		
Vol.2	1851	VIVOTEK INC.	Volume 2.5.1.3.2	Page No.77	SR(29) OEM Criteria :OEM without any JV/ Distributor Should have their own service center in India since Last 7 years	Request you to consider to amend OEM Criteria :OEM without any JV/ Distributor Should have their own service center in India since Last 5 years	The OEM without any JV/Distributor should have their registered office in India for atleast 10 years and should have been operating own service centre and RMA in India from the last 10 years as on RFP date. It should be on same OEM name throughout the 10 year period	Surveillance		
Vol.2	1852	VIVOTEK INC.	Volume 2.5.1.3.3 PTZ CCTV Cameras	Page No.77	SR(4) Video Resolution:2MP- 1920x 1080p	Request you to consider change clause " Video Resolution : 4MP -2560x1440P, 4MP is having better resolution than 2 MP . It is available with all leading OEMS.. So Request you to consider it .	Tender conditions shall prevail	Surveillance		
Vol.2	1853	VIVOTEK INC.	Volume 2.5.1.3.3 PTZ CCTV Cameras	Page No.77	SR(8)Frame Rate :50/60 FPS at full resolutions	Request you to Consider to Change this clause "30fps @2560X1440 .It will give better image quality without affecting functionality of the systems	Tender conditions shall prevail	Surveillance		
Vol.2	1854	VIVOTEK INC.	Volume 2.5.1.3.3 PTZ CCTV Cameras	Page No.77	SR (6)Iris :-Automatic with manual override or P-Iris	Request you to consider to add DC -IRIS , because P-IRIS is not available in PTZ.	Tender conditions shall prevail	Surveillance		
Vol.2	1855	VIVOTEK INC.	Volume 2.5.1.3.3 PTZ CCTV Cameras	Page No.78	SR(10) Lens :Auto-focus, 4.3 – 129 mm (-/+ 1mm) (corresponding to 30 X)	Request you to consider to change Lens : 6 -210 mm . It is available with all leading OEM in 4MP.	Tender conditions shall prevail	Surveillance		
Vol.2	1856	VIVOTEK INC.	Volume 2.5.1.3.3 PTZ CCTV Cameras	Page No.78	SR(12)Minimum Illumination : Colour: 0.04 lux @ F 1.6, B/W: 0.00 lux (at 30 IRE, F 1.6) or better	Request you to consider to change this clause " Color 0.5Lux . The mentioned illumination restricting to participate other OEMs. This is available with all leading OEMS and will help to participate others OEM.	Better specifications are acceptable	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	1857	VIVOTEK INC.	Volume 2.5.1.3.3	Page No.79	SR(26)-Camera Analytics:-Camera must have edge base analytics Viz; Enter / leavefield, Loitering, Line Crossing, follow route, Idle / removed object, Counting,Occupancy,Crowd density estimation. Bidder to ensure minimum 8Different types of analytics shall run simultaneously in each Camera	Request you to consider to remove this clause - "Camera Analytics:-Camera must have edge base analytics Viz; Enter / leavefield, Loitering, Line Crossing, follow route, Idle / removed object, Counting,Occupancy,Crowd density estimation. Bidder to ensure minimum 8Different types of analytics shall run simultaneously in each Camera because edge analytics does not work properly in PTZ due to continuous movement of camera. it is better work with VMS Software . Please consider it.	Tender conditions shall prevail	Surveillance		
Vol.2	1858	VIVOTEK INC.	Volume 2.5.1.3.3 PTZ CCTV Cameras	Page No.80	SR(28)Operating conditions with IR :-20 °C to +60 °C	Request you to consider with IR :-20 °C to +50 °C. It is available with all leading OEMS. It is specific to OEM	Tender conditions shall prevail	Surveillance		
Vol.2	1859	VIVOTEK INC.	Volume 2. 5.1.3.3 PTZ CCTV Cameras	Page No.80	SR(34) OEM Criteria :-OEM without any JV/Distributor Should have their own registered office in India since Last 7 years	Request you to consider to amend OEM Criteria : -OEM without any JV/Distributor should have their own registered office in India since last 5 years also CCTV OEM must have experience of manufacturing of CCTV Products from last 5 years in India or 10 years for non-Indian OEM. -The OEM of CCTV Equipment should be in surveillance business for at least 10(Ten) years as of 31st March 2020 and should have valid factory license. -OEM should not be blacklisted or barred by any Ministry of Government of India or any of the Government / PSUs or any other government department at the time of bidding. Declaration on OEM letterhead should be submitted.	The OEM without any JV/Distributor should have their registered office in India for atleast 10 years and should have been operating own service centre and RMA in India from the last 10 years as on RFP date. It should be on same OEM name throughout the 10 year period	Surveillance		
Vol.2	1860	VIVOTEK INC.	Volume 2..5.1.3.3 PTZ CCTV Cameras	Page No.80	SR(34) OEM Criteria :OEM without any JV/ Distributor Should have their own service center in India since Last 7 years	Request you to consider to amend OEM Criteria :OEM without any JV/ Distributor Should have their own service center in India since Last 5 years	The OEM without any JV/Distributor should have their registered office in India for atleast 10 years and should have been operating own service centre and RMA in India from the last 10 years as on RFP date. It should be on same OEM name throughout the 10 year period	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	2358	L&T Smart World & Communication	Volume 2/ 5.1.3/ Dome CCTV Camera	71	Wide Dynamic Range - >90dB	Requesting you to kindly Change the Clause "90dB or better"	Tender conditions shall prevail	Surveillance		
Vol.2	2359	L&T Smart World & Communication	Volume 2 / 5.1.3/ Dome CCTV Camera	71	Three level Password Protection	Requesting you to kindly Change the Clause " Three level Password Protection / Multiple level Password protection". So that other reputed OEMs also Qualify.	Tender conditions shall prevail	Surveillance		
Vol.2	2360	L&T Smart World & Communication	Volume 2/ 5.1.3/ Dome CCTV Camera	71	Certification - UL, EN, CE, FCC, RoHS, ONVIF profile S, G&T	Requesting you to kindly Change the Clause " UL/ EN, CE, FCC, RoHS, ONVIF profile S, G&T".	Tender conditions shall prevail	Surveillance		
Vol.2	2361	L&T Smart World & Communication	Volume 2 / 5.1.3.2 /Fixed Bullet CCTV Cameras	75	Three level Password Protection	Requesting you to kindly Change the Clause " Three level Password Protection / Multiple level Password protection". So that other reputed OEMs also Qualify.	Tender conditions shall prevail	Surveillance		
Vol.2	2362	L&T Smart World & Communication	Volume 2 / 5.1.3.2 /Fixed Bullet CCTV Cameras	75	Certification - UL, EN, CE, FCC, RoHS, ONVIF profile S, G&T	Requesting you to kindly Change the Clause " UL/ EN, CE, FCC, RoHS, ONVIF profile S, G&T".	Tender conditions shall prevail	Surveillance		
Vol.2	2363	L&T Smart World & Communication	Volume 2 / 5.1.3.3/PTZ CCTV Cameras	78	Tilt – 300/s	Requesting you to kindly Change the Clause " Tilt 200/sec or better"	Tilt: 3° ~ 90°, up to 100°/s or better	Surveillance		
Vol.2	2364	L&T Smart World & Communication	Volume 2 / 5.1.3.3/PTZ CCTV Cameras	78	Privacy Masks- 24 individually configurable privacy masks	Requesting you to kindly Change the Clause " Privacy Masks- 8 individually configurable privacy masks or better"	Tender conditions shall prevail	Surveillance		
Vol.2	2365	L&T Smart World & Communication	Volume 2 / 5.1.3.3/PTZ CCTV Cameras	79	Three level Password Protection	Requesting you to kindly Change the Clause " Three level Password Protection / Multiple level Password protection". So that other reputed OEMs also Qualify.	Tender conditions shall prevail	Surveillance		
Vol.2	2366	L&T Smart World & Communication	Volume 2 / 5.1.3.3/PTZ CCTV Cameras	79	Certification - UL, EN, CE, FCC, RoHS, ONVIF profile S, G&T	Requesting you to kindly Change the Clause " UL/ EN, CE, FCC, RoHS, ONVIF profile S, G&T".	Tender conditions shall prevail	Surveillance		
Vol.2	2367	L&T Smart World & Communication	Volume 2 / 12.7 Bill of Material (BOM) Summary	399	5.4.7 Fixed Dome Cameras with 32	Kindly clarify this line item why "with 32" is mentioned	this is typing mistake and Read as - 5Fixed Dome Cameras' only. Please ignore "with 32"	Surveillance		
Vol.2	2379	L&T Smart World & Communication	Volume 2 / 5.1.2.1 Information to be captured by Edge Devices	64	It is estimated that not more than 5% of the cameras would be required to be viewed at higher FPS at a given point of time).	Kindly quantify "Higher FPS" as the same is not mentioned anywhere else in the RFP	Tender conditions shall prevail	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	2381	L&T Smart World & Communication	Volume 2 / 5.1.4.14 Video Analytics	105	All cameras should support motion detection; camera tampering. All cameras must be capable to run two analytics in addition to motion detection and camera tampering as required at any given time.	As per RFP we understand that , in addition to Camera Tampering and motion detection two analytics will run on all fixed cameras . Hence the total number of Video analytic are 2846 Nos (1423 X 2 Analytics = 2846)Kindly confirm. We are not finding separate line item for VA in Bill of Material .Kindly include the same.	bidder to consider min 8 different analytics	Surveillance		
Vol.2	2426	RPG Smart Infra (KEC International Limited)	Vol 2 5.1.3.1 Dome CCTV Cameras	Page 71 of 400	4 Shutter Time 1/5 sec. to 1/25,000 sec. or better	Please consider shutter speed 1/1 sec. to 1/10,000 sec as same as bullet camera. Mentioned shutter speed in bullet camera is practically sufficient for Indoor dome camera application	Shutter Time 1/1 sec. to 1/10,000 sec. or better	Surveillance		
Vol.2	2427	RPG Smart Infra (KEC International Limited)	Vol 2 5.1.3.2 Fixed Bullet CCTV Cameras	Page 76 of 400	24 SD CARD Built in SD card slot with support up to 128 GB with Class 10 speed. Camera should have pre-installed SD card of 128 GB. The camera should have the facility to store the data on local SD card inside the camera in case of network connection loss and the stored data on SD card should be automatically sent to the storage when network reconnects.	Request to consider 1TB SD Card Support. In future if any demands increase in inbuilt storage of camera. As smart cities are long term project. Camera should have provision for expandability.	SD CARD Built in SD card slot with support min 1 TB recording at Class 10 speed. Camera should have pre-installed SD card of 128 GB. The camera should have the facility to store the data on local SD card inside the camera in case of network connection loss and the stored data on SD card should be automatically sent to the storage when network reconnects.	Surveillance		
Vol.2	2428	RPG Smart Infra (KEC International Limited)	Vol 2 5.1.3.3 PTZ CCTV Cameras	Page 78 of 400	17 Tilt: Up to 300°/s	Request to consider tilt speed 120 deg same as Pan Speed in the tender. Ideally Tilt speed is less than Pan Speed	Tilt: 3° ~ 90°, up to 100°/s or better	Surveillance		
Vol.2	2429	RPG Smart Infra (KEC International Limited)	Vol 2 5.1.3.3 PTZ CCTV Cameras	Page 78 of 400	20 Pre-set / Tour 256 pre-set positions, Minimum 8 Tour	Request to consider 4 tours with recorded tours and pre position ours	Pre-set / Tour : 256 pre-set positions, Minimum 4 Tour	Surveillance		
Vol.2	2430	RPG Smart Infra (KEC International Limited)	Vol 2 5.1.3.3 PTZ CCTV Cameras	Page 80 of 400	27 Alarm I/O Minimum 4 Input & 2 Output contact integrated/ external for 3rd part interfac	Request to consider Minimum 2 Input & 1 Output contact integrated/ external for 3rd part interface. As 2 input and 1 output is sufficient for city surveillance applications	Alarm I/O Minimum 2 Input & 1 Output contact integrated/ external for 3rd part interface	Surveillance		
Vol.2	2435	RPG Smart Infra (KEC International Limited)	5.1.3 Technical Specifications – CCTV Surveillance System	Page 71 of 400	IR Illuminator 850nm intensity adjustable IR with minimum 30 meters range, IR from same Camera OEM	Request to add OEM Criteria, OEM should be in list of top 10 as Per IHS Last 3 year Reports.	Tender conditions shall prevail	Surveillance		
Vol.2	2436	RPG Smart Infra (KEC International Limited)	5.1.3 Technical Specifications – CCTV Surveillance System	Page 71 of 400	IR Illuminator 850nm intensity adjustable IR with minimum 30 meters range, IR from same Camera OEM	Request to add security features in all the cameras :- Onboard Trusted Platform Module, Public key infrastructure, AES 256 it encryption which will help to reduce malicious attacks in the camera	Tender conditions shall prevail	Surveillance		
Vol.2	2437	RPG Smart Infra (KEC International Limited)	5.1.3 Technical Specifications – CCTV Surveillance System	Page 71 of 400	IR Illuminator 850nm intensity adjustable IR with minimum 30 meters range, IR from same Camera OEM	Request to add software sealing fature, any changes in the camera configuration once configure will break the seal and alert the user that someone has changes the settings	Tender conditions shall prevail	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	2548	RPG Smart Infra (KEC International Limited)	Vol 2 5.1.4 Video Management System (VMS)	Page 91 of 400	3. The import/export tool shall be as sophisticated as necessary to support the following: a. Log every action so an audit or report can be completed	Request to ammend the clause for client action 3. The import/export tool shall be as sophisticated as necessary to support the following: a. Log every action of operator at client end so an audit or report can be completed though	Tender conditions shall prevail	Surveillance		
Vol.2	2439	RPG Smart Infra (KEC International Limited)	Vol 2 5.1.3 Technical Specifications – CCTV Surveillance System		Camera should have MTBF of minimum 7 years duly certified by NABL Accredited LAB or international reputed LAB.	Request to ammend this clause, as this clausue related to raw material of product, this shall be certified by OEM on letter head and Request to keep as minimum 10 years life of Product	Clause to be read as Camera shall have MTBF (life of Camera) min 7 years, OEM to submit test report duly signed with MTBF values certified by 3rd party electronic relaiability prediction software(Siemens / GE)	Surveillance		
Vol.2	2547	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.1 Dome CCTV Cameras	Volume # 2 Page No # 71 Pt. -4	4. Shutter Time: 1/5 sec. to 1/25,000 sec. or better	4. Shutter Time: 1 sec. to 1/1,00,000 sec. or better	Shutter Time 1/1 sec. to 1/10,000 sec. or better	Surveillance		
Vol.2	2548	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.1 Dome CCTV Cameras	Volume # 2 Page No # 72 Pt. -15	15. Minimum Illumination: Colour: 0.1, Mono 0.05 lux, IR: 0 lux	15. Minimum Illumination: Colour: 0.001Lux @(F1.6), 0 Lux with IR	Tender conditions shall prevail	Surveillance		
Vol.2	2549	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.1 Dome CCTV Cameras	Volume # 2 Page No # 72 Pt. -16	16. Auto adjustment + Remote Control of Image settings I: Saturation, contrast, brightness, sharpness, white balance, orientation: auto, 0°, 90°, 180°, 270°, mirroring of images, 4 Privacy masks, noise reduction, SNR >50 dB	16. Auto adjustment + Remote Control of Image settings I: Saturation, contrast, brightness, sharpness, white balance, orientation: 90°, 180°, mirroring of images, 8 Privacy masks, noise reduction, SNR >52 dB	Auto adjustment + Remote Control of Image settings I: Saturation, contrast, brightness, sharpness, white balance, orientation: auto, 90°, 180°, mirroring of images, 4 Privacy masks, noise reduction, SNR >50 dB	Surveillance		
Vol.2	2550	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.1 Dome CCTV Cameras	Volume # 2 Page No # 72 Pt. -18	18. Wide Dynamic Range: > 90 dB or Better	18. Wide Dynamic Range: > 120 dB or Better	Wide Dynamic Range : 85 dB or better (as per IEC 62676-Part 5)	Surveillance		
Vol.2	2551	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.1 Dome CCTV Cameras	Volume # 2 Page No # 72 Pt. -21	21. Security: 3. Signed Firmware	21. Security: 3. Signed/ Encrypted Firmware	Tender conditions shall prevail	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	2552	Value InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.1 Dome CCTV Cameras	Volume # 2 Page No # 73 Pt. -25	25. Casing IP- 54 rated or better	25. Casing IP- 67 rated or better	Tender conditions shall prevail	Surveillance		
Vol.2	2553	Value InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.1 Dome CCTV Cameras	Volume # 2 Page No # 73 Pt. -26	26. Certification: UL, EN, CE, FCC, RoHS, ONVIF profile S, G & T	26. Certification: UL, CE-EN 55032:2015, EN 55024:2010+A1:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, IEC 61000-6-4:2018, FCC Part 15, Sub part B:2017, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU, ONVIF profile S & G	Tender conditions shall prevail	Surveillance		
Vol.2	2554	Value InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.1 Dome CCTV Cameras	Volume # 2 Page No # 73 Pt. -28	28. OEM Criteria: • OEM without any JV/ Distributor Should have their own registered office in India since Last 7 years. • OEM without any JV/ Distributor Should have their own service center in India since Last 7 years. • OEM Shall have RMA Center in India. • Camera should have MTBF of minimum 7 years duly certified by NABL Accredited LAB or international reputed LAB.	28. OEM Criteria: • OEM without any JV/ Distributor Should have their own registered office in India since Last 3 years. • OEM without any JV/ Distributor Should have their own service center in India since Last 3 years. • OEM Shall have RMA Center in India.	The OEM without any JV/Distributor should have their registered office in India for atleast 10 years and should have been operating own service centre and RMA in India from the last 10 years as on RFP date. It should be on same OEM name throughout the 10 year period Clause to be read as Camera shall have MTBF (life of Camera) min 7 years, OEM to submit test report duly signed with MTBF values certified by 3rd party electronic reliability prediction software(Siemens / GE)	Surveillance		
Vol.2	2555	Value InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.2 Fixed Bullet CCTV Cameras	Volume # 2 Page No # 74 Pt. -5	5. Shutter Time: 1/1 sec. to 1/10,000 sec. or better	5. Shutter Time: 1/1 sec. to 1/1,00,000 sec. or better	Tender conditions shall prevail	Surveillance		
Vol.2	2556	Value InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.2 Fixed Bullet CCTV Cameras	Volume # 2 Page No # 75 Pt. -14	14. Multiple Streams: Quad stream	14. Multiple Streams: Triple stream	Tender conditions shall prevail	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	2557	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.2 Fixed Bullet CCTV Cameras	Volume # 2 Page No # 75 Pt. -15	15. Minimum Illumination: Colour: 0.1, Mono 0.05 lux, IR: 0 lux	15. Minimum Illumination: Colour: 0.001Lux @(F1.6), 0 Lux with IR on	Tender conditions shall prevail	Surveillance		
Vol.2	2558	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.2 Fixed Bullet CCTV Cameras	Volume # 2 Page No # 75 Pt. -16	16. Auto adjustment + Remote Control of Image settings I: Saturation, contrast, brightness, sharpness, white balance, orientation: auto, 0°, 90°, 180°, 270°, mirroring of images, 4 Privacy masks, noise reduction, SNR >50 dB	16. Auto adjustment + Remote Control of Image settings I: Saturation, contrast, brightness, sharpness, white balance, orientation: 90°, 180°, mirroring of images, 8 Privacy masks, noise reduction, SNR >52 dB	Auto adjustment + Remote Control of Image settings I: Saturation, contrast, brightness, sharpness, white balance, orientation: auto, 90°, 180°, mirroring of images, 4 Privacy masks, noise reduction, SNR >50 dB	Surveillance		
Vol.2	2559	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.2 Fixed Bullet CCTV Cameras	Volume # 2 Page No # 75 Pt. -21	21. Security: 3. Signed Firmware	21. Security: 3. Signed/ Encrypted Firmware	Tender conditions shall prevail	Surveillance		
Vol.2	2560	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.2 Fixed Bullet CCTV Cameras	Volume # 2 Page No # 76 Pt. -22	22. Analytics: Edge-based analytics Line crossing, Enter / leave field, Idle / removed object, Crowd density estimation.	22. Analytics: Edge-based analytics Line crossing, Enter / leave field, Idle / removed object, People counting, Scene change, Defocus, Motion detection	Edge Analytics The SI will be responsible for designing and implementing edge analytics at either at camera level or server level. Following listed use cases should be part of implementation and should be not be limited to: 1. Safety: Detection and classification based on: a) Parking violation b) Loitering detection c) Crowd Detection d) people counting, e) line crossing, f) Idle/removed object, scene change g) Follow route 2. Wrong way or illegal turn detection.	Surveillance		
Vol.2	2561	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.2 Fixed Bullet CCTV Cameras	Volume # 2 Page No # 76 Pt. -27	27. Certification: UL, EN, CE, FCC, ONVIF profile S, G & T	27. Certification: UL, CE-EN 55032:2015, EN 55024:2010+A1:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, IEC 61000-6-4:2018, FCC Part 15, Sub part B:2017, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU, ONVIF profile S & G	Tender conditions shall prevail	Surveillance		

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Vol.2	2562	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.2 Fixed Bullet CCTV Cameras	Volume # 2 Page No # 76 Pt. -29	29. OEM Criteria: • OEM without any JV/ Distributor Should have their own registered office in India since Last 7 years. • OEM without any JV/ Distributor Should have their own service center in India since Last 7 years. • OEM Shall have RMA Center in India. • Camera should have MTBF of minimum 7 years duly certified by NABL Accredited LAB or international reputed LAB.	29. OEM Criteria: • OEM without any JV/ Distributor Should have their own registered office in India since Last 3 years. • OEM without any JV/ Distributor Should have their own service center in India since Last 3 years. • OEM Shall have RMA Center in India.	The OEM without any JV/Distributor should have their registered office in India for atleast 10 years and should have been operating own service centre and RMA in India from the last 10 years as on RFP date. It should be on same OEM name throughout the 10 year period Clause to be read as Camera shall have MTBF (life of Camera) min 7 years, OEM to submit test report duly signed with MTBF values certified by 3rd party electronic reliability prediction software(Siemens / GE)	Surveillance		
Vol.2	2563	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	Volume # 2 Page No # 77 Pt. -5	5. Shutter Time: 1/1 sec. to 1/10,000 sec. or better	5. Shutter Time: 1/1 sec. to 1/1,00,000 sec. or better	Tender conditions shall prevail	Surveillance		
Vol.2	2564	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	Volume # 2 Page No # 77 Pt. -7	7. IP delay: (typical) 60 fps: 200 ms	7. IP delay: (typical) 30 fps: 200 ms	PTZ Frame rate: 50/60 FPS at all resolutions	Surveillance		
Vol.2	2565	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	Volume # 2 Page No # 77 Pt. -8	8. Frame rate: 50/60 FPS at full resolutions	8. Frame rate: 25/30 FPS at full resolutions	PTZ Frame rate: 50/60 FPS at all resolutions	Surveillance		
Vol.2	2566	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	Volume # 2 Page No # 78 Pt. -11	11. Multiple Streams: Quad Stream	11. Multiple Streams: Triple Stream	Tender conditions shall prevail	Surveillance		
Vol.2	2567	IValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	Volume # 2 Page No # 78 Pt. -12	12. Minimum Illumination: Colour: 0.04 lux @ F 1.6, B/W: 0.00 lux (at 30 IRE, F 1.6) or better	12. Minimum Illumination: Color 0.001Lux@F1.5, B/W 0Lux(IR ON)	Better specifications are acceptable	Surveillance		

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Vol.2	2568	iValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	Volume # 2 Page No # 78 Pt. -16	16. Pan: Pan: 360° endless/continuous, up to 120°/s	16. Pan: Pan: 360° endless/continuous, up to 300°/s	As Per RFP Minimum Requirement mentioned in Tender, Bidder can propose better	Surveillance		
Vol.2	2569	iValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	Volume # 2 Page No # 78 Pt. -17	17. Tilt: Tilt: 3° ~ 90°, up to 300°/s	17. Tilt: Tilt: 3° ~ 90°, up to 240°/s	17. Tilt: Tilt: 3° ~ 90°, up to 100°/s	Surveillance		
Vol.2	2570	iValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	Volume # 2 Page No # 78 Pt. -21	21. Image settings: Saturation, contrast, brightness, sharpness, white balance, BLC, Noise reduction, SNR >55 dB	21. Image settings: Saturation, contrast, brightness, sharpness, white balance, BLC, Noise reduction, SNR >52 dB	Tender conditions shall prevail	Surveillance		
Vol.2	2571	iValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	Volume # 2 Page No # 79 Pt. -24	24. Security: 3. Signed Firmware	24. Security: 3. Signed/ Encrypted Firmware	Tender conditions shall prevail	Surveillance		
Vol.2	2572	iValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	Volume # 2 Page No # 79 Pt. -26	26. Camera Analytics: Camera must have edge base analytics Viz; Enter / leave field, Loitering, Line Crossing, follow route, Idle / removed object, Counting, Occupancy, Crowd density estimation. Bidder to ensure minimum 8 Different types of analytics shall run simultaneously in each Camera.	26. Camera Analytics: Camera must have edge base analytics Viz; Enter / leave field, Line Crossing, follow route, Idle / removed object, Counting, Scene Change, Defocus, Motion detection Bidder to ensure minimum 2 Different types of analytics shall run simultaneously in each Camera.	Tender conditions shall prevail	Surveillance		
Vol.2	2573	iValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	Volume # 2 Page No # 80 Pt. -27	27. Alarm I/O: Minimum 4 Input & 2 Output contact integrated/ external for 3rd part interface	27. Alarm I/O: Minimum 1 Input & 1 Output contact integrated/ external for 3rd part interface	Alarm I/O Minimum 2 Input & 1 Output contact integrated/ external for 3rd part interface	Surveillance		
Vol.2	2574	iValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	Volume # 2 Page No # 80 Pt. -32	32. Certification: UL, CE, FCC, RoHS, ONVIF profile S, G & T	32. Certification: UL, CE, FCC, RoHS, ONVIF profile S, G & T	Tender conditions shall prevail	Surveillance		
Vol.2	2575	iValue InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	Volume # 2 Page No # 80 Pt. -33	33. IR Illuminator: Inbuilt 850nm intensity adjustable IR with minimum 180 meters range, with object identification	33. IR Illuminator: Inbuilt 850nm intensity adjustable IR with minimum 150 meters range, with object identification	Tender conditions shall prevail	Surveillance		

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Vol.2	2576	Value InfoSolutions Pvt. Ltd. (Set 2)	5.1.3 Technical Specifications – CCTV Surveillance System 5.1.3.3 PTZ CCTV Cameras	Volume # 2 Page No # 80 Pt. -34	34. OEM Criteria: • OEM without any JV/ Distributor Should have their own registered office in India since Last 7 years. • OEM without any JV/ Distributor Should have their own service center in India since Last 7 years. • OEM Shall have RMA Center in India. • Camera should have MTBF of minimum 7 years duly certified by NABL Accredited LAB or international reputed LAB.	34. OEM Criteria: • OEM without any JV/ Distributor Should have their own registered office in India since Last 3 years. • OEM without any JV/ Distributor Should have their own service center in India since Last 3 years. • OEM Shall have RMA Center in India.	The OEM without any JV/Distributor should have their registered office in India for atleast 10 years and should have been operating own service centre and RMA in India from the last 10 years as on RFP date. It should be on same OEM name throughout the 10 year period Clause to be read as Camera shall have MTBF (life of Camera) min 7 years, OEM to submit test report duly signed with MTBF values certified by 3rd party electronic reliability prediction software(Siemens / GE)	Surveillance		
Vol.2	2619	EFKON India Pvt. Ltd	Volume-II, Section 5.1.3.1 Dome CCTV Cameras	Page 71 of 400	Point No. 20- Protocol: IPv4, IPv6, UDP, TCP, HTTP, HTTPS, RTP/ RTCP, IGMP, ICMP, RTSP, FTP, DHCP, NTP (SNTP), SNMP, 802.1x, DNS, DDNS, SMTP	We Request to change this clause as: Protocol: IPv4/ IPv6, UDP, TCP, HTTP, HTTPS, RTP/ RTCP, IGMP, ICMP, RTSP, FTP, DHCP, NTP (SNTP), SNMP, 802.1x, DNS, DDNS, SMTP	Tender conditions shall prevail	Surveillance		
Vol.2	2620	EFKON India Pvt. Ltd	Volume-II, Section 5.1.3.2 Fixed Bullet CCTV Cameras	Page 74 of 400	Point No. 20- Protocol: IPv4, IPv6, UDP, TCP, HTTP, HTTPS, RTP/ RTCP, IGMP, ICMP, RTSP, FTP, DHCP, NTP (SNTP), SNMP, 802.1x, DNS, DDNS, SMTP	We Request to change this clause as: Protocol: IPv4/ IPv6, UDP, TCP, HTTP, HTTPS, RTP/ RTCP, IGMP, ICMP, RTSP, FTP, DHCP, NTP (SNTP), SNMP, 802.1x, DNS, DDNS, SMTP	Tender conditions shall prevail	Surveillance		
Vol.2	2621	EFKON India Pvt. Ltd	Volume-II, Section, 5.1.3.3 PTZ CCTV Cameras	Page 77 of 400	Point No. 23- Protocol: TCP, HTTP, HTTPS, RTP,FTP, RTSP, NTP, SMTP,802.1x, IP v4 & v6 Remote Administration: Remote configuration and status using web-based tool	We Request to change this clause as: Protocol: TCP, HTTP, HTTPS, RTP,FTP, RTSP, NTP, SMTP,802.1x, IP v4/ v6 Remote Administration: Remote configuration and status using web-based tool	Tender conditions shall prevail	Surveillance		
Vol.2	2622	EFKON India Pvt. Ltd	Volume-II, Section 5.1.3.4 Field Junction Box	Page 80 of 400	Protection: IP 55, Junction Box design should ensure to keep the temperature within suitable operating range for equipment's and should also avoid intentional water splash and dust intake	As per section 4.14 Junction Box / Outdoor Cabinet, Poles and Cantilever, it has mentioned " Boxes shall be dustproof and impermeable to splash-water." Which says IP 54 protection and in Section 5.1.3.4 IP 55 protection is asked. We Request to change the clause as: Protection: IP 54, Junction Box design should ensure to keep the temperature within suitable operating range for equipment's and should also avoid intentional water splash and dust intake	Tender conditions shall prevail	Surveillance		
Vol.2	2623	EFKON India Pvt. Ltd	Volume-II, Section 5.1.3.5 Poles for Camera	Page 81 of 400	Height: 10 Meters (or higher), as-per requirements for different types of cameras & Site conditions	We Request to change this clause as: Height: 6 Meters (or higher), as-per requirements for different types of cameras & Site conditions	Tender conditions shall prevail	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	2948	Millennium Automation Private Ltd.	VOLUME-2/5.1.3.1 Dome CCTV Cameras 5.1.3.2 Fixed Bullet CCTV Cameras	7. FOV (Field of View)/Angel :	Wide: 104° x 54° (H x V) Tele: 33° x 19° (H x V) & "+/- 30° allowed"	Request kindly keep it simple in terms of Required horizontal & Vertical	Tender conditions shall prevail	Surveillance		
Vol.2	2949	Millennium Automation Private Ltd.	VOLUME-2/5.1.3.1 Dome CCTV Cameras 5.1.3.2 Fixed Bullet CCTV Cameras 5.1.3.3 PTZ CCTV Cameras	21. Security	1. Three-level password protection, IP Address filtering, User Access Log, HTTPS encryption 2. 802.1x network authentication with EAP/TLS 3. Signed Firmware 4. FTP disabled and Telnet closed, 5. OEM need to confirm on their letter head that any component/ hardware/ parts/ assembly/ software including firmware used in the offered solutions 6. Any of the security certifications of IEC/EN/UL -60950-1 /60950-22, IEC-62471	Asked functionality is brands specific . Thus request you kindly remove it. FTP used for snapshot upload and telnet use for troubleshooting point of you .	Tender conditions shall prevail	Surveillance		
Vol.2	2950	Millennium Automation Private Ltd.	VOLUME-2/5.1.3.1 Dome CCTV Cameras 5.1.3.2 Fixed Bullet CCTV Cameras 5.1.3.3 PTZ CCTV Cameras	28. OEM Criteria 29. OEM Criteria	OEM without any JV/ Distributor Should have their own registered office in India since Last 7 years. • OEM without any JV/ Distributor Should have their own service center in India since Last 7 years. • OEM Shall have RMA Center in India. • Camera should have MTBF of minimum 7 years duly certified by NABL Accredited LAB or international reputed LAB.	OEM Criteria should be part of eligibility criteria for participating brand/OEM. Thus request you kindly remove it from camera's specification.	Tender conditions shall prevail	Surveillance		
Vol.2	2951	Millennium Automation Private Ltd.	VOLUME-2/5.1.3.2 Fixed Bullet CCTV Cameras 5.1.3.3 PTZ CCTV Cameras	14. Multiple Streams	Quad stream	Triple stream is enough for any camera to fulfill required purpose. Main stream for recording . Sub stream for mobile application . Third stream for 3rd party application. Thus request you kindly amend it from quad stream to triple stream.	Tender conditions shall prevail	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	2952	Millennium Automation Private Ltd.	VOLUME-2/ 5.1.3.2 Fixed Bullet CCTV Cameras	22. Analytics	Edge-based analytics Line crossing, Enter / leave field, Idle / removed object, Crowd density estimation.	Intelligent video analytics software's used to track different analytics behaviour's instead of edge based camera analytics . Edge based analytics is not much capable to handle dynamic behaviour's . A Camera should be equipped from basic features like Motion , Tampering, line crossing , intrusion etc. Thus request you kindly mention analytic in VA Software scope.	Edge Analytics for all surveillance Cameras (Fixed and PTZ) The SI will be responsible for designing and implementing edge analytics at camera level. Bidder to ensure minimum 8 analytics to run simultaneously in each camera. Following listed use cases should be part of implementation and should be not be limited to: 1. Safety: Detection and classification based on: a) Parking violation b) Loitering detection c) Crowd Detection d) people counting, e) line crossing, f) Idle/removed object, enter field, similarity search, scene change g) Route direction 2. Wrong way or illegal turn detection.	Surveillance		
Vol.2	2953	Millennium Automation Private Ltd.	VOLUME-2/ 5.1.3.2 Fixed Bullet CCTV Cameras	27. Certification	UL, EN, CE, FCC, ONVIF profile S, G & T	UL & EN certificate used as a substitute for each other . Thus request you kindly amend it to UL/EN, CE, FCC .	Tender conditions shall prevail	Surveillance		
Vol.2	2954	Millennium Automation Private Ltd.	VOLUME-2/ 5.1.3.3 PTZ CCTV Cameras	17. Tilt	3° ~ 90°, up to 300°/s	Generally 160°/s / 200°/s tilt speed used for tilt . Thus request you kindly amend it from 300°/s to 200°/s.	Tilt: 3° ~ 90°, up to 100°/s or better	Surveillance		
Vol.2	2955	Millennium Automation Private Ltd.	VOLUME-2/ 5.1.3.3 PTZ CCTV Cameras	26. Analytics	Camera must have edge base analytics Viz; Enter / leave field, Loitering, Line Crossing, follow route, Idle / removed object, Counting, Occupancy, Crowd density estimation. Bidder to ensure minimum 8 Different types of analytics shall run simultaneously in each Camera.	Intelligent video analytics software's used to track different analytics behaviour's instead of edge based camera analytics . Edge based analytics is not much capable to handle dynamic behaviour's . A Camera should be equipped from basic features like Motion , Tampering, line crossing , intrusion etc. Thus request you kindly mention analytic in VA Software scope.	Tender conditions shall prevail	Surveillance		
Vol.2	2956	Millennium Automation Private Ltd.	VOLUME-2/ 5.1.3.3 PTZ CCTV Cameras	27. Alarm I/O	Minimum 4 Input & 2 Output contact integrated/ external for 3rd part interface	for 3rd party integration 2/1 alarm inputs is enough. Thus request you kindly provide clarity for 4/2 .	Alarm I/O Minimum 2 Input & 1 Output contact integrated/ external for 3rd part interface	Surveillance		
Vol.2	2957	Millennium Automation Private Ltd.	VOLUME-2/ 5.1.3.3 PTZ CCTV Cameras	33.IR Illuminator	Inbuilt 850nm intensity adjustable IR with minimum 180 meters range, with object identification	120mtr/150mtr is general IR distance used for PTZ . While 180meter is asked . Request you kindly amend it or provide clarity .	IR Illuminator: Inbuilt intensity adjustable IR with minimum 180 meters range, with object identification	Surveillance		

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Vol.2	2963	i2V Systems Pvt. Ltd	Volume2.pdf	Page:103	5.1.4.12 VMS System Size: 2. The VMS OEM must have at least one project experience of minimum 2000 cameras in India. (PO copy required to be submitted).	We hereby request you to allow us to Bid with Amendment to this Clause as Follows: "The VMS OEM must have at least one project experience of minimum 500 cameras in India. (PO copy required to be submitted).	Tender conditions shall prevail	Surveillance		
Vol.2	2978	Videonetics (2nd set)	5.1.4 Video Management System (VMS)	89 of 400	Video management server, on which the VMS is hosted upon, shall run seamlessly in the background to manage connections, access and storage.	Video management server, on Linux operating system on which the VMS is hosted upon, shall run seamlessly in the background to manage connections, access and storage	Tender conditions shall prevail	Surveillance		
Vol.2	2979	Videonetics (2nd set)	5.1.4 Video Management System (VMS)	90 of 400	All the offered VMS and cameras shall have ONVIF compliance.	All the offered VMS and cameras shall have ONVIF compliance. VMS OEM must be ONVIF member with profile S, G and T complied	Tender conditions shall prevail	Surveillance		
Vol.2	2980	Videonetics (2nd set)	5.1.4 Video Management System (VMS)	90 of 400	The VMS shall be enabled for integration with any external Video Analytics Systems	The VMS shall have integrated Video Analytics Systems to optimise server hardware requirement.	The VMS should seamlessly integrate with all the camera edge Video Analytics module and manage alarms as required in the RFP	Surveillance		
Vol.2	2981	Videonetics (2nd set)	5.1.4 Video Management System (VMS)	91 of 400	All CCTV cameras locations shall be overlaid in graphical map in the VMS Graphical User Interface (GUI). The cameras selection for viewing shall be possible via clicking in the camera location on the graphical map. The graphical map shall be of high resolution enabling operator to zoom-in for specific location while selecting a camera for viewing.	All CCTV cameras locations shall be overlaid in graphical map in the VMS Graphical User Interface (GUI). The cameras selection for live and archive viewing shall be possible via clicking in the camera location on the graphical map. The graphical map shall be of high- resolution enabling operator to zoom-in for specific location while selecting a camera for viewing.	As per RFP, Bidder to fulfil tender analytics requirement	Surveillance		
Vol.2	2982	Videonetics (2nd set)	5.1.4 Video Management System (VMS)	92 of 400	The VMS shall support retrieving data from edge storage. Thus, when a lost or broken connection is restored, it shall be possible to retrieve the video from SD card and store it on central storage.	The VMS shall support retrieving data from edge storage. Thus, when a lost or broken connection is restored, it shall be possible to retrieve the video from SD card and store it on central storage. Therefore the camera and VMS must be ONVIF profile G compliant	As Per RFP Minimum Requirement mentioned in Tender, Bidder can propose better	Surveillance		
Vol.2	2983	Videonetics (2nd set)	5.1.4 Video Management System (VMS)	93 of 400	VMS/ICCC shall support integration with the ANPR application.	VMS must have integrated ANPR application	It is required that the functionality is to be provided in totality, this may be by fighter by VMS / ICCCC / VA or any other application.	Surveillance		
Vol.2	2984	Videonetics (2nd set)	5.1.4 Video Management System (VMS)	93 of 400	VMS shall support integration with other online and offline video analytic applications	VMS must have integrated online and offline video analytic applications	Tender conditions shall prevail	Surveillance		
Vol.2	2985	Videonetics (2nd set)	5.1.4 Video Management System (VMS)	94 of 400	System should support to apply below listed filters to search results: i. Object size ii. Object color iii. Direction of object motion iv. Speed of the moving object v. Defined area entry/appearance and zone exit/disappearance	System should support to apply below listed filters to search results: i. Object size ii. Object color iii. Direction of object motion iv. Defined area entry/appearance and zone exit/disappearance	Clause (iv) to be removed and (i) to be amended as Object size and classification	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	2986	Videonetics (2nd set)	5.1.4 Video Management System (VMS)	94 of 400	Video management software shall incorporate online video analytics on live video images. It shall include the following video analytics detection tools: a. Presence detection for moving and stopped vehicles b. Directional sensitive presence detection c. Congestion Detection d. Loitering detection e. Improper Parking f. Camera Tampering g. Abandoned objects detection	Video management software shall incorporate online video analytics on live video images. It shall include the following video analytics detection tools: a. Presence detection for moving and stopped vehicles b. Directional sensitive presence detection c. Congestion Detection d. Loitering detection e. Improper Parking f. Camera Tampering g. Abandoned objects detection h. Fire detection i. Smoke detection j. Face Capture k. Event against face with No Mask l. Event against not maintaining minimum guided social distancing m. Crowd detection	Tender conditions shall prevail	Surveillance		
Vol.2	2987	Videonetics (2nd set)	5.1.4 Video Management System (VMS)	95 of 400	The user interface shall be via a GUI providing multiple video streams simultaneously on multiple monitors.	The user interface shall be via a GUI providing video streams simultaneously on multiple monitors. Thus VMS must be capable to handle up to 4 monitors with out video wall controller.	The user interface shall be via a GUI providing video streams simultaneously on multiple monitors. Thus VMS must be capable to handle up to 4 monitors with out video wall controller.	Surveillance		
Vol.2	2988	Videonetics (2nd set)	5.1.4 Video Management System (VMS)	95 of 400	The system shall allow the viewing of recorded video from any camera on the system at whatever rate the camera was recorded.	The system shall allow the viewing of recorded video from any camera on the system at whatever rate the camera was recorded. It must be possible to view live and recorded view of many cameras simultaneously in a single GUI grid	Tender conditions shall prevail	Surveillance		
Vol.2	2989	Videonetics (2nd set)	5.1.4 Video Management System (VMS)	96 of 400	The GUI shall conform to standard Windows conventions	The GUI shall conform to standard Windows conventions. The client software must be possible to run on windows when server software is on Linux operating system for security issue.	Tender conditions shall prevail	Surveillance		
Vol.2	2990	Videonetics (2nd set)	5.1.4 Video Management System (VMS)	102 of 400	VMS shall be integrated within a consolidated GUI that would include other command control Center systems as well. All events, activations and alarms that occur with the VMS and its sub systems will interact seamlessly between the command and control center sub systems as required	VMS shall be integrated seamlessly with command control Center systems as well. All events, activations and alarms that occur with the VMS and its sub systems will interact seamlessly between the command and control center sub systems as required	Tender conditions shall prevail	Surveillance		
Vol.2	2991	Videonetics (2nd set)	5.1.4 Video Management System (VMS)	103 of 400	If an SDK solution / Object model is provided the system shall allow reconfiguration by (City) and end users without recourse to special languages. A system SDKs / Object model shall be supplied with all required supporting software to allow the integration of the system with new devices and systems.	If an SDK solution / API is provided the system shall allow reconfiguration by (City) and end users without recourse to special languages. A system SDKs / API shall be supplied with all required supporting software to allow the integration of the system with new devices and systems	If an SDK solution / API /Object Model is provided the system shall allow reconfiguration by (City) and end users without recourse to special languages. A system SDKs / API shall be supplied with all required supporting software to allow the integration of the system with new devices and systems	Surveillance		

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Vol.2	2992	Videonetics (2nd set)	5.1.4 Video Management System (VMS)	103 of 400	Either the OPC or the SDK or Object Model shall manage the interface between the VMS, GUI and the other City Management systems as required.	VMS must have open API for any integration with any systems.	Tender conditions shall prevail	Surveillance		
Vol.2	2993	Videonetics (2nd set)	5.1.4 Video Management System (VMS)	103 of 400	The OPC or SDK or Object Model shall allow the operator workstations to control the VMS irrespective of the vendor chosen by duplicating all control functionality of the VMS used for normal day-to-day activities.	The API or SDK or Object Model shall allow the operator workstations to control the VMS irrespective of the vendor chosen by duplicating all control functionality of the VMS used for normal day-to-day activities.	The API or SDK or Object Model shall allow the operator workstations to control the VMS irrespective of the vendor chosen by duplicating all control functionality of the VMS used for normal day-to-day activities.	Surveillance		
Vol.2	2994	Videonetics (2nd set)	5.1.4 Video Management System (VMS)	103 of 400	If an OPC interface cannot be provided, an alternative solution shall be provided for this data using a standard open protocol and confirmation as to how this shall be implemented shall be provided in the technical proposal return	If an API interface cannot be provided, an alternative solution shall be provided for this data using a standard open protocol and confirmation as to how this shall be implemented shall be provided in the technical proposal return	Tender conditions shall prevail	Surveillance		
Vol.2	2995	Videonetics (2nd set)	5.1.4 Video Management System (VMS)	103 of 400	The VMS shall enable handling of up to at least 10,000 cameras for future scalability as may be required at additional cost of camera license.	The VMS shall enable handling unlimited cameras for future scalability as may be required at additional cost of camera license	Tender conditions shall prevail	Surveillance		
Vol.2	2996	Videonetics (2nd set)	5.1.4 Video Management System (VMS)	103 of 400	The VMS OEM must have at least one project experience of minimum 2000 cameras in India. (PO copy required to be submitted).	The VMS OEM must have at least one project experience of minimum 10000 cameras in India in a single project. (PO copy required to be submitted).	Tender conditions shall prevail	Surveillance		
Vol.2	2997	Videonetics (2nd set)	5.1.4 Video Management System (VMS)	106 of 400	VA should allow multiple instances of Client Viewer in a single workstation	VA should allow multiple instances of Client Viewer in a single workstation in VMS GUI	VA should be able to utilize minimum 4 monitors connected to the VMS client workstation to perform various tasks simultaneously (e.g. Live viewing, Archive Search, Site map display, etc.)	Surveillance		
Vol.2	2998	Videonetics (2nd set)	5.1.4 Video Management System (VMS)	106 of 400	VA should be able to utilize multiple monitors connected to the workstation to perform various tasks simultaneously (e.g. Live viewing, Archive Search, Site map display, etc.)	VA should be able to utilize multiple monitors connected to the VMS client workstation to perform various tasks simultaneously (e.g. Live viewing, Archive Search, Site map display, etc.)	VA should be able to utilize minimum 4 monitors connected to the VMS client workstation to perform various tasks simultaneously (e.g. Live viewing, Archive Search, Site map display, etc.)	Surveillance		
Vol.2	2999	Videonetics (2nd set)	5.1.4 Video Management System (VMS)	106 of 400	VA should support multiple Video Analytics servers running on different machines.	VA should support multiple Video Analytics servers running on different machines. It must be possible to run VMS and analytics in same server for hardware optimisation	Tender conditions shall prevail	Surveillance		
Vol.2	3000	Videonetics (2nd set)	5.1.4 Video Management System (VMS)		New Clause	The VMS OEM must have development centre in India for last 10 years. Incorporation certificate must be attached.	Tender conditions shall prevail	Surveillance		
Vol.2	3001	Videonetics (2nd set)	5.1.4 Video Management System (VMS)		New Clause	The VMS OEM must submit minimum 10 nos of satisfactorily running certificate from any Govt/Railways/Airports/Police department.	Tender conditions shall prevail	Surveillance		

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Vol.2	3002	Videonetics (2nd set)	5.1.4 Video Management System (VMS)		New Clause	The system should allow the user to mark any important section of video as do not delete. This portion will need administration confirmation to delete in future	Tender conditions shall prevail	Surveillance		
Vol.2	3003	Videonetics (2nd set)	5.1.4 Video Management System (VMS)		New Clause	It should be possible to view the activities on the operator screen from the supervisor/administrator screen, including all the windows open on the operator screen. It should also be possible to record the screen if required	Tender conditions shall prevail	Surveillance		
Vol.2	3004	Videonetics (2nd set)	5.1.4 Video Management System (VMS)		New Clause	The VMS should support layered maps using standard picture files, GIS maps and online maps such as Google, Bing, Open street maps. It should be possible to drag and drop the cameras on the map for easy navigation	Tender conditions shall prevail	Surveillance		
Vol.2	3005	Videonetics (2nd set)	5.1.4 Video Management System (VMS)		New Clause	The VMS should show event notification from the cameras on the map itself. The operator should be able to click on the event notification of a particular camera on the map and the VMS should open the event window on the operator screen.	Tender conditions shall prevail	Surveillance		
Vol.2	3006	Videonetics (2nd set)	5.1.4 Video Management System (VMS)		New Clause	The VMS shall be Codec, Operating systems (Linux and Windows and mix platform) and IP camera agnostic such that it can support devices that are not supplied by the manufacturer/developer of the VMS software and Codec hardware	Tender conditions shall prevail	Surveillance		
Vol.2	3026	Aditya Infotech Ltd.	5.1.3.2/Fixed Bullet CCTV Cameras/14/Multiple Streams		Quad stream	Plz make it triple stream so that the camera cost should be appropriate and maximum OEM can participate	Tender conditions shall prevail	Surveillance		
Vol.2	3027	Aditya Infotech Ltd.	5.1.3.2 Fixed Bullet CCTV Cameras		Saturation, contrast, brightness, sharpness, white balance, orientation: auto, 0°, 90°, 180°, 270°, mirroring of images, 5 Privacy masks, noise reduction, SNR >50 dB	Plz change image orientation to 180 deg & Mirroring as 90 deg, 270 deg image orientation is of no use, change to 4 Privacy masks to make it generic	Tender conditions shall prevail	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	3028	Aditya Infotech Ltd.	5.1.3.2 Fixed Bullet CCTV Cameras		Edge-based analytics Line crossing, Enter / leave field, Idle / removed object, Crowd density estimation.	Plz remove crowd density estimation as it is very high compute analytics and edge base analytics are not so accurate so plz allow to use external VA Licenses to be used	Edge Analytics for all surveillance Cameras (Fixed and PTZ) The SI will be responsible for designing and implementing edge analytics at camera level. Bidder to ensure minimum 8 analytics to run simultaneously in each camera. Following listed use cases should be part of implementation and should be not be limited to: 1. Safety: Detection and classification based on: a) Parking violation b) Loitering detection c) Crowd Detection d) people counting, e) line crossing, f) Idle/removed object, enter field, similarity search, scene change g) Route direction 2. Wrong way or illegal turn detection.	Surveillance		
Vol.2	3029	Aditya Infotech Ltd.	5.1.3.3/ PTZ CCTV Cameras/11/ Multiple Streams		Quad stream	Plz make it triple stream so that the camera cost should be appropriate and maximum Oem canparticipate	Tender conditions shall prevail	Surveillance		
Vol.2	3030	Aditya Infotech Ltd.	5.1.3.2 Fixed Bullet CCTV Cameras		Pan: 360° endless/continuous, up to 120°/s	PAN Speed should be more as it has to cover 360 deg s o plz allow Pan Speed: 300° /s;	Better specifications are acceptable	Surveillance		
Vol.2	3031	Aditya Infotech Ltd.	5.1.3.2 Fixed Bullet CCTV Cameras		Tilt: 3° ~ 90°, up to 300°/s	Tilt speed should be low as it has to cover only 90 deg so allow Tilt Speed : 200° /s	Tilt: 3° ~ 90°, up to 100°/s or better	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	3032	Aditya Infotech Ltd.	5.1.3.2 Fixed Bullet CCTV Cameras		Camera must have edge base analytics Viz; Enter / leave field, Loitering, Line Crossing, follow route, Idle / removed object, Counting, Occupancy, Crowd density estimation. Bidder to ensure minimum 8 Different types of analytics shall run simultaneously in each Camera.	Plz remove Loitering, Counting , Occupancy and Crowd density estimation as these need high compute and are not accurate on edge so plz allow external analytics	Edge Analytics for all surveillance Cameras (Fixed and PTZ) The SI will be responsible for designing and implementing edge analytics at camera level. Bidder to ensure minimum 8 analytics to run simultaneously in each camera. Following listed use cases should be part of implementation and should be not be limited to: 1. Safety: Detection and classification based on: a) Parking violation b) Loitering detection c) Crowd Detection d) people counting, e) line crossing, f) Idle/removed object, enter field, similarity search, scene change g) Route direction 2. Wrong way or illegal turn detection.	Surveillance		
Vol.2	3060	Innefu Labs Private Limited	Volume-2/4.20 Edge Analytics	Page 42 of 400	The SI will be responsible for designing and implementing edge analytics at camera level. Following listed use cases should be part of implementation and should be not be limited to: 1. Safety: Detection and classification based on: a) Parking violation b) Loitering detection c) Crowd Detection d) Gesture recognition: Identification through gesture change 2. Wrong way or illegal turn detection at ITMS Signal Crossing.	Such analytics on the edge level will limit the camera OEMS and may not give the desired results. Authorities are requested to allow analytics either on EDGE or on Video analytics Application as applicable in order to allow the 100% openness, interpretability and integration between Cameras, VMS and Video analytics platform. The independent video analytics, apart from the list of required VA use cases, the VAS system must support following additional use cases must be readily available in the existing library of AI based VA use cases from day one including but not limited to Contact Tracing Safety mask detection Social Distancing detection Safety vests/helmet detection Weapon detection Gender detection and alert in case un-even gender ration (say 1 female VS 2 or more men) in a given field of view	Edge Analytics The SI will be responsible for designing and implementing edge analytics at either at camera level or server level. Following listed use cases should be part of implementation and should be not be limited to: 1. Safety: Detection and classification based on: a) Parking violation b) Loitering detection c) Crowd Detection d) people counting, e) line crossing, f) Idle/removed object, scene change g) Follow route 2. Wrong way or illegal turn detection.	Surveillance		
Vol.2	3061	Innefu Labs Private Limited	Vol-2/5.1.4	page 90 of 400	7. The VMS shall be enabled for integration with any external Video Analytics Systems.	we Request authorities to ask for Latest Artificial Intelligence based Video analytics instead of any "external Video Analytics"	Tender conditions shall prevail	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	3062	Innefu Labs Private Limited	vol-2/5.1.4	Page 92 of 400	<p>28. The VMS shall be capable of intrusion detection: Detection of moving objects in selected areas covered by the camera (those that are specified as restricted areas like those before some major events, etc.). Avoid false alarms due to wildlife or other moving objects (e.g., tree leaves).</p> <p>29. The VMS shall be capable of tracing of a specific person or object in multi-camera videos: Track a specific person or object across several surveillance (e.g., to trace and identify criminals and/or anti-social elements).</p> <p>30. The VMS shall be capable of counting of people and detection of abnormal crowd behavior: Detection of people flow and counting of people in selected areas. To identify abnormal crowd behavior and raise alarms to avoid untoward incidences in public places and maintaining law & order.</p>	<p>Since Video Analytics (as requested VA system on AI based algorithm), the asked use cases must come under the scope "Artificial intelligence based Video analytics systems".</p> <p>The given clause gives impression that the asked video analytics are asked from Video Management system.</p> <p>Authorities are requested to separate the VA requirements from VMS requirements, both; being two different and separate applications</p>	<p>It is required that the functionality is to be provided in totality, this may be by fighter by VMS / ICCV / VA or any other application.</p>	Surveillance		
Vol.2	3063	Innefu Labs Private Limited	vol-2/5.1.4.1	page 93 of 400	<p>3. Video Analytics (VA) alert management – Shall enable defining of rules for handling of alerts using the VA handling of events as per the defined rules.</p>	<p>in the light and reference to the sub clause nos 7 & 37 of clause 5.1.4 - Video Management System, the Video analytics must be a core component of image and video analytics part however this must be integrated with VMS system using open API interface</p>	<p>It is required that the functionality is to be provided in totality, this may be by fulfilled by VMS / VA for all cameras</p>	Surveillance		
Vol.2	3064	Innefu Labs Private Limited	vol-2/5.1.4.1	page 93 of 400	<p>Addition request 5.1.4.1.1 Integration Components</p>	<p>5.1.4.1.1 Integration Components: - The Video management System shall expose its developers API and integration interfaces to the following components</p> <p>1. AI Based Video Analytics (VA) alert management – shall enable defining of rules for handling and alerting using the VA handling of events as per the defined rules</p> <p>2. AI based Face recognition system – shall enables integrated interfaces for rules of the suspect matching, recognizing and alerting using the FRS handling of FRS events as per defined rules in both on-line and off-line modes. Pls refer to the functional requirements for VA and FRS for more details in the relevant sections of this document</p>	<p>Tender conditions shall prevail</p>	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	3065	Innefu Labs Private Limited	5.1.4.2 VMS General	Page 94 of 400	<p>6. Video management software shall incorporate online video analytics on live video images. It shall include the following video analytics detection tools:</p> <ul style="list-style-type: none"> a. Presence detection for moving and stopped vehicles b. Directional sensitive presence detection c. Congestion Detection d. Loitering detection e. Improper Parking f. Camera Tampering g. Abandoned objects detection <p>7. Off-Line Video Analytics should allow for quick retrieval of video footage to metadata stored with each image. System should provide results within few seconds, system should support for below listed the user's query.</p> <p>a) System should allow to specify the following search criteria:</p> <ul style="list-style-type: none"> i. Motion in the zone, user-defined with any polyline ii. Detection of crossing a virtual line in a user-defined direction iii. Loitering of an object in an area iv. Simultaneous presence of a few objects in an area v. Motion from one area to another. <p>b) System should support to apply below listed filters to search results:</p> <ul style="list-style-type: none"> i. Object size ii. Object color iii. Direction of object motion iv. Speed of the moving object v. Defined area entry/appearance and zone 	<p>note, the use cases are belongs to Video analytics system which may be a separate system /a application other than VMS. The VMS needs to provide API / integration interface to facilitate the above use cases.</p> <p>In the respect system openness and in the light and reference to the sub clause nos "7 & 37 of clause 5.1.4 - Video Management System", the Video analytics must be a core component of image and video analytics part however this must be integrated with VMS system using open API interface</p>	<p>It is required that the functionality is to be provided in totality, this may be by fulfilled by VMS / VA for all cameras</p>	Surveillance		
Vol.2	3066	Innefu Labs Private Limited	5.1.4.2 VMS General		Clause 6 & 7 Video Analytics use cases as above	<p>The independent video analytics and facial recognition system shall support following Analytics based on artificial intelligence for the Cameras:</p> <p>All Vehicle and traffic related analytics shall be supported by ITMS system independently</p> <p>Apart from the list of required VA use cases, the VAS system must support following additional use cases must be readily available in the existing library of VA use cases from day one including but not limited to Contact Tracing Safety mask detection Social Distancing detection Safety vests/helmet detection Weapon detection</p> <p>The VMS needs to Expose / accept / provide API / integration interface to facilitate the alert for VA events as configured.</p>	<p>Better specifications are acceptable</p>	Surveillance		
Vol.2	3067	Innefu Labs Private Limited	Vol-2/5.1.4.14	Page 105 of 400	General - Clause addition request	All Video analytics shall be Artificial intelligence powered with Deep learning capabilities	Tender conditions shall prevail	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	3068	Innefu Labs Private Limited	5.1.4.14	Page 105 of 400	General - Clause addition request	All Video analytics shall be Artificial intelligence powered with Deep learning capabilities	Tender conditions shall prevail	Surveillance		
Vol.2	3069	Innefu Labs Private Limited	5.1.4.14	Page 106 - 400	Clause addition request: - Access & Authentication	The system shall allow two factor authentications for deleting / exporting / and -or changing any critical system setting related to VA alerts and events data.	Tender conditions shall prevail	Surveillance		
Vol.2	3070	Innefu Labs Private Limited	5.1.4.14	Page 106 - 400		Other than the user password, the system must include at- least one additional authentication factor including biometrics, Mobile notifications or a hard token configured for same or additional administrator level user.	Tender conditions shall prevail	Surveillance		
Vol.2	3071	Innefu Labs Private Limited	5.1.4.14	Page 106 - 400		Such activity shall be logged in the local system as well as in the main database	Tender conditions shall prevail	Surveillance		
Vol.2	3072	Innefu Labs Private Limited	5.1.4.14	Page 106 - 400		The system should be able to identify and authenticate users based on multi factor authentication which shall be accessible in any combination of a user password plus Hard Token based authentication, /Mobile Notification /Soft Token Access authentication /Push notification or SMS based authentication (such as OTP)	Tender conditions shall prevail	Surveillance		
Vol.2	3073	Innefu Labs Private Limited	5.1.4.14	Page 106 - 400		The proposed solution should provide the ability to assign different security levels to people and places. It should alert security staff when someone is spotted in an area where they're not permitted, whilst allowing them free access to non-restricted/public areas.	Tender conditions shall prevail	Surveillance		
Vol.2	3074	Innefu Labs Private Limited	5.1.4.14	Page 107 - 400	Clause Addition request - Reporting & Dashboarding	The user interface of the facial recognition system should have a report management tool and Customized Dashboard without installation of any additional client software. It should be able to generate multiple reports as per customer requirements in real- time. The Dashboard shall have flexible widgets for quick summary of incidents, events and alerts	Tender conditions shall prevail	Surveillance		
Vol.2	3075	Innefu Labs Private Limited	5.1.4.14	Page 107 - 400		The Client User Interface must provide a flexible and user- friendly Dashboard that shall be pre-configured with multiple widgets as an essential aspect of home screen customization. Different levels of users shall be able to pick and choose the different widgets as per their requirements for effective use of the application	Better specifications are acceptable	Surveillance		
Vol.2	3076	Innefu Labs Private Limited	5.1.4.14	Page 107 - 400	General - Clause addition request	The system should be an independent system, with capability to integrate with industry standard Video Management Systems (VMS) for alert viewing.	Better specifications are acceptable	Surveillance		

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Vol.2	3077	Innefu Labs Private Limited	5.1.4.14	Page 107 - 400	General - Clause addition request	The system must be accessible & operable from a web-based interface compatible with all leading browsers. Owing to its web-based interface the facial recognition system should be accessible from virtually unlimited concurrent clients at any given time.	Better specifications are acceptable	Surveillance		
Vol.2	3078	Innefu Labs Private Limited	5.1.4.14	Page 107 - 400	General - Clause addition request	The system should be an independent system, with capability to integrate with industry standard Video Management Systems (VMS) for alert viewing.	Better specifications are acceptable	Surveillance		
Vol.2	3079	Innefu Labs Private Limited	5.1.4.14	Page 107 - 400	General - Clause addition request	The system must be accessible & operable from a web-based interface compatible with all leading browsers. Owing to its web-based interface the facial recognition system should be accessible from virtually unlimited concurrent clients at any given time.	Better specifications are acceptable	Surveillance		
Vol.2	3080	CINEWORLD H Sales & Service	Volume-2/4.20 Edge Analytics	42	The SI will be responsible for designing and implementing edge analytics at camera level. Following listed use cases should be part of implementation and should be not be limited to: 1. Safety: Detection and classification based on: a) Parking violation b) Loitering detection c) Crowd Detection d) Gesture recognition: Identification through gesture change 2. Wrong way or illegal turn detection at ITMS Signal Crossing.	All the analytics mentioned for the cameras is possible by software , all analytics is difficult on edge based. Also Video Analytics software has been mentioned on Page 105 of the tender, which states software based analytics, Thus requesting you to amend the clause to: The SI will be responsible for designing and implementing analytics on the camera by Video Analytics Software Following listed use cases should be part of implementation and should be not be limited to: 1. Safety: Detection and classification based on: a) Parking violation b) Loitering detection c) Crowd Detection d) Gesture recognition: Identification through gesture change 2. Wrong way or illegal turn detection at ITMS Signal Crossing.	Edge Analytics for all surveillance Cameras (Fixed and PTZ) The SI will be responsible for designing and implementing edge analytics at camera level. Bidder to ensure minimum 8 analytics to run simultaneously in each camera. Following listed use cases should be part of implementation and should be not be limited to: 1. Safety: Detection and classification based on: a) Parking violation b) Loitering detection c) Crowd Detection d) people counting, e) line crossing, f) Idle/removed object, enter field, similarity search, scene change g) Route direction 2. Wrong way or illegal turn detection.	Surveillance		
Vol.2	3081	CINEWORLD H Sales & Service	Volume 2 5.1.3.1 Dome CCTV Cameras	71	5.Iris: Automatic with manual override or P-Iris	DC-Iris is majorly used by the majority of the OEMs. Thus, requesting to kindly provide DC iris as well in the option and help to amend the clause to Iris: Automatic with manual override or P-Iris or DC-Iris.	Tender conditions shall prevail	Surveillance		
Vol.2	3082	CINEWORLD H Sales & Service	Volume 2 5.1.3.1 Dome CCTV Cameras	73	21.Security: 4.FTP disabled	FTP function should be an option to open, which can work with FTP sever to capture picture. Thus, requesting to provide an option to open the FTP	Tender conditions shall prevail	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	3083	CINEWORLD H Sales & Service	Volume 2 5.1.3.1 Dome CCTV Cameras	73	26.Certification:UL, EN, CE, FCC, RoHS, ONVIF profile S, G & T	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, thus, requesting to ammend the clause to Certification:UL, EN/CE, FCC, RoHS, ONVIF profile S, G & T	Tender conditions shall prevail	Surveillance	Having different certificate (UL, EN, CE, FCC...) simultaneously shows the vendors are global players and their seriousness to work across the globe satisfying each regional requirement for certification. They are serious players and therefore theirs products and technology will have longitivity and best of the world capabilities. ONVIF profile S,G and T and related to video streaming with encoding formats such as H.264/H.265, image settings, tampering detection, PTZ control, audio and metadata support etc. Therefore the clause should remain the same	
Vol.2	3084	CINEWORLD H Sales & Service	Volume 2 5.1.3.1 Dome CCTV Cameras 5.1.3.2 Fixed Bullet CCTV Cameras 5.1.3.3 PTZ CCTV Cameras	73,77,80	OEM Criteria : • OEM without any JV/ Distributor Should have their own registered office in India since Last 7 years. • OEM without any JV/ Distributor Should have their own service center in India since Last 7 years. • Camera should have MTBF of minimum 7 years duly certified by NABL Accredited LAB or international reputed LAB.	As per Govt of India, Ministry of Commerce & Industry, Public Procurement (Preference to Make in India) Order 2017 - Latest Amendment Dt: 04 Jun 2020, government of India urges & allows JV of Indian Suppliers with foreign companies in-order to increase the participation of local employees in services & Training them in India, so we hereby request you to amend below point "OEM without any JV/ Distributor Should have their own registered office in India since Last 7 years" & "OEM without any JV/ Distributor Should have their own service center in India since Last 7 years" to "OEM with JV Should have their own registered office in India since Last 7 years" & OEM with JV Should have their own service center in India since Last 7 years. • Camera should have MTBF of minimum 7 year can be self certified by OEM	Tender conditions shall prevail	Surveillance		
Vol.2	3085	CINEWORLD H Sales & Service	Volume 2 5.1.3.2 Fixed Bullet CCTV Cameras	74	6.Iris: Automatic with manual override or P-Iris	DC-Iris is majorly used by the majority of the OEMs. Thus, requesting to kindly provide DC iris as well in the option and help to ammend the clause to Iris: Automatic with manual override or P-Iris or DC-Iris.	Tender conditions shall prevail	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	3086	CINEWORT H Sales & Service	Volume 2 5.1.3.2 Fixed Bullet CCTV Cameras	75	14.Multiple Streams: Quad stream	Triple streams are enough to serve the purpose of the surveillance, also it will be economical, thus , requesting you to ammend Video streams to Multiple Streams: Triple stream	Tender conditions shall prevail	Surveillance		
Vol.2	3087	CINEWORT H Sales & Service	Volume 2 5.1.3.2 Fixed Bullet CCTV Cameras	75	16.Auto adjustment + Remote Control of Image settings : 5 Privacy mask	4 privacy mask are enough to serve the purpose of the surveillance, also it will be economical, thus , requesting you to ammend to 4 Privacy mask	Tender conditions shall prevail	Surveillance		
Vol.2	3088	CINEWORT H Sales & Service	Volume 2 5.1.3.2 Fixed Bullet CCTV Cameras	75	18.Wide Dynamic Range > 120 dB or Better	120db WDR are enough to serve the purpose of the surveillance and is standard in the industry , thus , requesting you to ammend to Wide Dynamic Range : 120 dB or Better	Wide Dynamic Range : 85 dB or better (as per IEC 62676-Part 5)	Surveillance		
Vol.2	3089	CINEWORT H Sales & Service	Volume 2 5.1.3.2 Fixed Bullet CCTV Cameras	75	21.Security: 4.FTP disabled	FTP function should be an option to open, which can work with FTP sever to capture picture.Thus, requesting to provide an option to open the FTP	Tender conditions shall prevail	Surveillance		
Vol.2	3090	CINEWORT H Sales & Service	Volume 2 5.1.3.2 Fixed Bullet CCTV Cameras	75	21.Security: 6. Any of the security certifications of IEC/EN/UL - 60950-1/60950-22, IEC-62471	The IEC 62471 series of standards are generally used to evaluate the potential photobiological (interaction of light on living beings) hazards from LED radiation in products, which is not common certification, thus requesting to remove IEC-62471 certificate from this clause.	Certification: UL, EN, CE, FCC, RoHS, ONVIF profile S, G & T for all cameras and IEC 62471 for bullet camera	Surveillance		
Vol.2	3091	CINEWORT H Sales & Service	Volume 2 5.1.3.2 Fixed Bullet CCTV Cameras	75	22.Analytics: Enter / leave field,Crowd density estimation	As video analytics software has been propose on Page no.105, requesting to provide an option to propose this analytics on software level.	Edge Analytics for all surveillance Cameras (Fixed and PTZ) The SI will be responsible for designing and implementing edge analytics at camera level. Bidder to ensure minimum 8 analytics to run simultaneoulsy in each camera. Following listed use cases should be part of implementation and should be not be limited to: 1. Safety: Detection and classification based on: a) Parking violation b) Loitering detection c) Crowd Detection d) people counting, e) line crossing, f) Idle/removed object, enter field, similarity search, scene change g) Route direction 2. Wrong way or illegal turn detection.	Surveillance		

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Vol.2	3092	CINEWORT H Sales & Service	Volume 2 5.1.3.2 Fixed Bullet CCTV Cameras	76	27.Certification:UL, EN, CE, FCC, RoHS, ONVIF profile S, G & T	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, thus, requesting to ammend the clause to Certification:UL, EN/CE, FCC, RoHS, ONVIF profile S, G & T	Tender conditions shall prevail	Surveillance	ONVIF profile S,G and T are related to video streaming with encoding formats such as H.264/H.265, image settings, tampering detection, including PTZ control, audio and metadata support etc. Therefore the clause should remain the same Having different certificate simuleatously (UL, EN, CE, FCC etc.) shows the seriousness of the vendor to work across the globe satisfying each regional requirement for certification. They are serious players and	
Vol.2	3093	CINEWORT H Sales & Service	Volume 2 5.1.3.3 PTZ CCTV Cameras	77	6.Iris: Automatic with manual override or P-Iris	DC-Iris is majorly used by the majority of the OEMs. Thus, requesting to kindly provide DC iris as well in the option and help to ammend the clause to Iris: Automatic with manual override or P-Iris or DC-Iris.	Tender conditions shall prevail	Surveillance		
Vol.2	3094	CINEWORT H Sales & Service	Volume 2 5.1.3.3 PTZ CCTV Cameras	77	10.Lens: Auto-focus, 4.3 – 129 mm (-/+ 1mm) (corresponding to 30 X)	To have 200m IR , the focal length of the lens option should be made flexible , thus reesting to ammend the clause to provide PTZ wuth 30x optical zoom or better	Tender conditions shall prevail	Surveillance		
Vol.2	3095	CINEWORT H Sales & Service	Volume 2 5.1.3.3 PTZ CCTV Cameras	78	11.Multiple Streams: Quad stream	Triple streams are enough to serve the purpose of the surveillance, also it will be economical, thus , requesting you to ammend Video streams to Multiple Streams: Triple stream	Tender conditions shall prevail	Surveillance		
Vol.2	3096	CINEWORT H Sales & Service	Volume 2 5.1.3.3 PTZ CCTV Cameras	78	14.Wide Dynamic Range > 120 dB or Better	120db WDR are enough to serve the purpose of the surveillance and is standard in the industry , thus , requesting you to ammend to Wide Dynamic Range : 120 dB or Better	Tender conditions shall prevail	Surveillance		
Vol.2	3097	CINEWORT H Sales & Service	Volume 2 5.1.3.3 PTZ CCTV Cameras	78	17.Tilt: 3° ~ 90°, up to 300°/s	The PTZ is recommended to be with in-built IR. Thus, the PTZ camera with IR is not recommended to have such high Tilt speed. This might create shadow image when performing Tilt operation as such speed. Thus, recommended Tilt speed for the IR PTZ should be - Pan Preset Speed - 120°/s	Tilt: 3° ~ 90°, up to 100°/s or better	Surveillance		
Vol.2	3098	CINEWORT H Sales & Service	Volume 2 5.1.3.3 PTZ CCTV Cameras	79	24.Security: 4.FTP disabled	FTP function should be an option to open, which can work with FTP sever to capture picture.Thus, requesting to provide an option to open the FTP	Tender conditions shall prevail	Surveillance		

Vol. Nos	S.No.	Name of the Bidder	RFP Volume Section	RFP Page No	Content in the RFP	Clarification Sought	Our Response	Segregation	Remarks	Justification
Vol.2	3099	CINEWORT H Sales & Service	Volume 2 5.1.3.3 PTZ CCTV Cameras	79	24.Security: 6. Any of the security certifications of IEC/EN/UL - 60950-1/60950-22, IEC-62471	The IEC 62471 series of standards are generally used to evaluate the potential photobiological (interaction of light on living beings) hazards from LED radiation in products, which is not common certification, thus requesting to remove IEC-62471 certificate from this clause.	Certification: UL, EN, CE, FCC, RoHS, ONVIF profile S, G & T for all cameras	Surveillance	ONVIF profile S,G and T are related to video streaming with encoding formats such as H.264/H.265, image settings, tampering detection, including PTZ control, audio and metadata support etc. Therefore the clause should remain the same Having different certificate simultaneously (UL, EN, CE, FCC etc.) shows the seriousness of the vendor to work across the globe satisfying each regional requirement for certification. They are serious players and	
Vol.2	3100	CINEWORT H Sales & Service	Volume 2 5.1.3.3 PTZ CCTV Cameras	79	26.Camera Analytics: Camera must have edge base analytics Viz; Enter / leave field, Loitering, Line Crossing, follow route, Idle / removed object, Counting, Occupancy, Crowd density estimation. Bidder to ensure minimum 8 Different types of analytics shall run simultaneously in each Camera.	As video analytics software has been propose on Page no.105, requesting to provide an option to propose this analytics on software level.	Tender conditions shall prevail	Surveillance		