

PRE-BID QUERIES RESPONSE

Reply to Pre-Bid Queries for “Request for Qualification (RFQ) cum (RFP) Proposal from interested bidders for Appointment of Master System Integrator (MSI) for Supply, Implementation, Integration, Operations and Maintenance of Smart City ICT Components at Integrated Industrial Township

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1.	Volume II: Standard Form of Contract 4.5.2.4 Application Performance Levels	91 & 96	4.5.2.4 Application Performance Levels	<p>These penalty terms are not relevant as per GFR and standard tender practices in various govt. tenders in India.</p> <p>ANPR and ATCC combinedly not more than 0.3% of the tender budget.</p> <p>Penalty on multiple parameters of the same system has been mentioned, which is not justified and SLA for system performance shall be asked in totality.</p> <p>Fixed penalty amount per deviation is too high for ANPR and ATCC which is almost negligible wis-a-wis total project value.</p> <p>99.5% availability on hardware components is not possible as there are various factors which can affect performance.</p> <p>Hence, we recommend that availability for the systems should be 95%.</p> <p>Hence, we request you to amend the penalty clause as 0.5% of monthly O&M cost with a maximum cap of 10%</p>	RFQ cum RFP prevails
2.	Volume II:	100	4.5.2.7 Automated Number	These penalty terms are not relevant	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Standard Form of Contract 4.5.2.7 Automated Number Plate Recognition (ANPR) - Availability		Plate Recognition (ANPR) - Availability	<p>as per GFR and standard tender practices in various govt. tenders in India.</p> <p>ANPR and ATCC combinedly not more than 0.3% of the tender budget.</p> <p>Penalty on multiple parameters of the same system has been mentioned, which is not justified and SLA for system performance shall be asked in totality.</p> <p>Fixed penalty amount per deviation is too high for ANPR and ATCC which is almost negligible wis-a-wis total project value.</p> <p>99.5% availability on hardware components is not possible as there are various factors which can affect performance.</p> <p>Hence, we recommend that availability for the systems should be 95%.</p> <p>Hence, we request you to amend the penalty clause as 0.5% of monthly O&M cost with a maximum cap of 10%</p>	
3.	Volume II: Standard Form of Contract 4.5.2.8 Automated Number Plate Recognition (ANPR) - Performance/Accuracy	100	4.5.2.8 Automated Number Plate Recognition (ANPR) - Performance/Accuracy	<p>These penalty terms are not relevant as per GFR and standard tender practices in various govt. tenders in India.</p> <p>ANPR and ATCC combinedly not more than 0.3% of the tender budget.</p> <p>Penalty on multiple parameters of the same system has been</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				<p>mentioned, which is not justified and SLA for system performance shall be asked in totality. Fixed penalty amount per deviation is too high for ANPR and ATCC which is almost negligible wis-a-wis total project value. 99.5% availability on hardware components is not possible as there are various factors which can affect performance. Hence, we recommend that availability for the systems should be 95%.</p> <p>Hence, we request you to amend the penalty clause as 0.5% of monthly O&M cost with a maximum cap of 10%</p>	
4.	Volume II: Standard Form of Contract 4.5.2.9 Automatic Traffic Counter and Classifier (ATCC) - Availability	101	4.5.2.9 Automatic Traffic Counter and Classifier (ATCC) - Availability	<p>These penalty terms are not relevant as per GFR and standard tender practices in various govt. tenders in India. ANPR and ATCC combinedly not more than 0.3% of the tender budget. Penalty on multiple parameters of the same system has been mentioned, which is not justified and SLA for system performance shall be asked in totality. Fixed penalty amount per deviation is too high for ANPR and ATCC which is almost negligible wis-a-wis total project value. 99.5% availability on hardware</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				<p>components is not possible as there are various factors which can affect performance. Hence, we recommend that availability for the systems should be 95%.</p> <p>Hence, we request you to amend the penalty clause as 0.5% of monthly O&M cost with a maximum cap of 10%</p>	
5.	Volume II: Standard Form of Contract 4.5.2.10 Automatic Traffic Counter and Classifier (ATCC) - Performance/Accuracy	101	4.5.2.10 Automatic Traffic Counter and Classifier (ATCC) - Performance/Accuracy	<p>These penalty terms are not relevant as per GFR and standard tender practices in various govt. tenders in India. ANPR and ATCC combinedly not more than 0.3% of the tender budget. Penalty on multiple parameters of the same system has been mentioned, which is not justified and SLA for system performance shall be asked in totality. Fixed penalty amount per deviation is too high for ANPR and ATCC which is almost negligible wis-a-wis total project value. 99.5% availability on hardware components is not possible as there are various factors which can affect performance. Hence, we recommend that availability for the systems should be 95%.</p> <p>Hence, we request you to amend</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				the penalty clause as 0.5% of monthly O&M cost with a maximum cap of 10%	
6.	Volume III: Terms of Reference Section: ATCC Sr. No. FR 3.133	72	The ATCC System at any point of time, shall provide a minimum of 5 classification levels viz. 2-wheeler, 3-Wheeler/Auto Rickshaws, Car/ Jeep, LCV, Bus/Truck/MAV at any given point in time.	Car/Jeep and LCVs looks identical so differentiation between LCV and LMV is very difficult in Camera Field of view. As part of other projects Car/Jeep and LCVs falls under LMV (Light Motor Vehicle) category. So, we would request you to include Car/Jeep and LCV under single category and amend the clause as: "The ATCC System at any point of time, shall provide a minimum of 4 classification levels viz. 2-wheeler, 3-Wheeler/Auto Rickshaws, LMV (Car/ Jeep, LCV), HMV (Bus/Truck/MAV) at any given point in time."	RFQ cum RFP prevails
7.	Volume III: Terms of Reference Section: ATCC Sr. No. FR 3.159	73	Fault assignment to the maintenance team shall be managed and controlled by the system software only. Once a fault is assigned by the Control Centre operator or authorized user to the maintenance team, the same shall be displayed in the maintenance module and once fault is closed/resolved by the maintenance team it shall be updated automatically (in case of active devices) or else updated manually	We understand that fault management is the functionality of EMS software, so this requirement should be fulfilled by EMS software	As per Bidder Solution.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			in the software application/maintenance module.		
8.	Volume III: Terms of Reference Section: ATCC Sr. No. TR 3.35	77	The system shall cover up to minimum 4 lanes.	High resolution (minimum 5MP) sensors are recommended to cover minimum 4 lanes. Hence, we request you to amend the clause as: "The system shall cover up to minimum 4 lanes with 5 MP sensor."	RFQ cum RFP prevails
9.	Volume III: Terms of Reference Section: Automated Number Plate Recognition (ANPR) System)	70	Request for addition	CERT-In has already alerted for Cyber-attack from hostile nations. Looking into the global security threat from hostile nations we recommend you to include Cyber security certifications for ITMS applications. Considering cyber security requirements as per govt. of India directives, data being stored and transferred should have encryption using latest encryption methods. CERT-IN is the national agency designated to perform various functions in cyber security such as – collection and dissemination of information on cyber incidents, forecasts and alerts of cyber incidents, emergency response management, and issuing guidelines, advisories and vulnerability notes. Hence, to verify the proposed encryption, same should be certified by any CERT-In empaneled agency.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				Hence, we request you to include below clause as- "The evidence of Infraction should be encrypted and protected so that any tampering can be detected. Test report from CERT-IN empaneled agency for encryption should be submitted along the bid."	
10.	Volume III: Terms of Reference Section: Automated Number Plate Recognition (ANPR) System)	70	Request for addition	For seamless integration and provenness of solution, we request you to include: "1. ATCC (hardware + Software) and ANPR solution should be from same OEM for seamless integration 2. Proposed ATCC (hardware + Software) and ANPR solution should have been supplied in min 3 smart cities"	RFQ cum RFP prevails
11.	Volume I: Instructions to Bidder C. Preparation of Proposals	29	Request for addition	As per latest amendment in Public Procurement Policy (Make in India) policy to promote 'Make in India' and 'Aatmanirbhar Bharat', for those Bids below INR 200 crore, only Class I and Class II Local Suppliers/ manufacturers (Local content > 50% and > 20% respectively) are eligible to participate, with Class I supplier getting purchase preference. Hence, we would request you to include latest Public Procurement Policy guidelines.	Refer to Corrigendum

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
12.	Vol.1, Section 2 19(a)	51	An EMD of INR 2,00,00,000 (Indian Rupees Two Crores Only) in the form of an unconditional and irrevocable bank guarantee from any Scheduled Commercial Bank in India and drawn in favor of the DMIC Integrated Industrial Township Greater Noida Limited (DMIC IITGNL) and payable at Greater Noida, must be submitted along with the Proposal. EMD can also be submitted in the form of Demand Draft or RTGS. The EMD must be in the format set out in Appendix 3 and the minimum validity date of the bank guarantee should be for a period of 45 days beyond validity period of the Proposal, including any extensions thereof. In the event of any extension in the Proposal's validity, the EMD will also remain valid for such extended period	We request you to exempt EMD submission for Central Public Sector Undertakings.	RFQ cum RFP prevails
13.	Vol.1, Section 2 19(a)	51	An EMD of INR 2,00,00,000 (Indian Rupees Two Crores Only) in the form of an	We request you to allow Central PSUs to submit EMD in the form of Corporate Guarantee instead of Bank Guarantee.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			unconditional and irrevocable bank guarantee from any Scheduled Commercial Bank in India and drawn in favor of the DMIC Integrated Industrial Township Greater Noida Limited (DMIC IITGNL) and payable at Greater Noida, must be submitted along with the Proposal. EMD can also be submitted in the form of Demand Draft or RTGS. The EMD must be in the format set out in Appendix 3 and the minimum validity date of the bank guarantee should be for a period of 45 days beyond validity period of the Proposal, including any extensions thereof. In the event of any extension in the Proposal's validity, the EMD will also remain valid for such extended period		
14.	Vol.1, Section 2 5.1(a), Clause no.5		The Bidder (any member in case of consortium) shall have successfully commissioned/Go-Live at least two (2) projects related to implementation of Integrated Operations Centre/Command and	We request you to amend the clause as " The Bidder (any member in case of consortium) shall have successfully commissioned/Go-Live at least two (2) projects related to implementation of Integrated Operations Centre/Command and Control Centre integrating at least	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Control Centre integrating at least two (2) different city/campus-wide sensors / applications out of the following Eight (8) sensors / applications at the Command and Control Centre: 1. Surveillance; 2. Communication network; 3. Environmental Sensors; 4. Streetlight System; 5. e-Governance / ERP; 6. GIS; 7. Intelligent Traffic Management System; 8. Utilities. Minimum value shall be INR 10 crores per project during last seven (7) years as of RFQ cum RFP publish date.	two (2) different city/campus-wide sensors / applications out of the following Eight (8) sensors / applications at the Command and Control Centre: 1. Surveillance; 2. Communication network; 3. Environmental Sensors; 4. Streetlight System; 5. e-Governance / ERP; 6. GIS; 7. Intelligent Traffic Management System; 8. Utilities. Minimum value shall be INR 5 crores per project during last seven (7) years as of RFQ cum RFP publish date.	
15.	Vol.1, Section 2 29 The Technical Proposals of eligible and qualified Bidders shall be evaluated as follows, Clause no.1.1	52 to 53	The Bidder (any member in case of consortium) shall have successfully commissioned/Go-Live at least two (2) projects related to implementation of Integrated Operations Centre/Command and Control Centre integrating at least two (2) different city/campus-wide sensors / applications out of the	We request you to modify this clause as" The Bidder (any member in case of consortium) shall have successfully commissioned/Go-Live at least two (2) projects related to implementation of Integrated Operations Centre/Command and Control Centre integrating at least two (2) different city/campus-wide sensors / applications out of the following Eight (8) sensors / applications at the Command and	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<p>following Eight (8) sensors / applications at the Command and Control Centre:</p> <ol style="list-style-type: none"> 1. Surveillance; 2. Communication network; 3. Environmental Sensors; 4. Streetlight System; 5. e-Governance / ERP; 6. GIS; 7. Intelligent Traffic Management System; 8. Utilities. <p>Minimum value shall be INR 10 crores per project during last seven (7) years as of RFQ cum RFP publish date</p> <p>Number of Projects:</p> <ol style="list-style-type: none"> 1. =2: 10 marks 2. =3: 15 marks 3. >3: 20 marks 	<p>Control Centre:</p> <ol style="list-style-type: none"> 1. Surveillance; 2. Communication network; 3. Environmental Sensors; 4. Streetlight System; 5. e-Governance / ERP; 6. GIS; 7. Intelligent Traffic Management System; 8. Utilities. <p>Minimum value shall be INR 5 crores per project during last seven (7) years as of RFQ cum RFP publish date</p> <p>Number of Projects:</p> <ol style="list-style-type: none"> 1) =2: 10 marks 2) =3: 15 marks 3) >3: 20 marks 	
16.	Volume III: Terms of Reference Section: Chatbot Solution BR	86	Chatbot Solution Additional Clause	<p>NLP/NLU on speech can lead to very high rates of false positives and false negatives, especially with various accents in India</p> <p>NLP/NLU on text would potentially make the solution more robust.</p>	RFQ cum RFP prevails
17.	Volume III: Terms of Reference Section: EPBAX	254	It shall have 6 Party Internal/External Multi group Tele-conferencing	To ensure the conferencing is Secure, rich with features we suggest these clauses to be added.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	System Sr. No. TR 9.224		facility to all the Call Takers, Dispatchers and Supervisors/ Managers etc.	System should be supplied with a Dial- up Conferencing (ad hoc / Meet-Me audio conferencing) bridge with the following facilities: Ad-Hoc 6 party Dial-up conferencing with any combinations of extensions and trunks, for all users. Should support at least 10 concurrent meet-me audio conference of up to minimum of 20 party in each conference. PIN code facility to facilitate security for conferencing must also be supported.	
18.	Volume III: Terms of Reference Section: EPBAX System Sr. No. TR 9.230	254	It shall have Integrated/External Voice messaging system with required channels for IVRS function.	To ensure IVR is industry grade and be able to interact with backend hosts we recommend and external IVR System. The system should be capable of supporting applications like voice mail, ACD, Meet-me audio conferencing, web collaboration and external IVR	RFQ cum RFP prevails
19.	Volume III: Terms of Reference Section: EPBAX System Sr. No. TR 9.235	255	It shall have IP based phone instrument with programmable one touch keys, Graphical display, Keys with LED, 4 Programmable keys with dual function, 10 fixed function keys.	10 Function keys is a specific OEM Formfactor and limits other OEMs form participation hence request to modify the clause. It shall have IP based phone instrument with programmable one touch keys, Minimum 3.5 Inch Color Screen Graphical display, Keys with LED, 4 Programmable keys with dual function, 8 fixed function keys.	These are the minimum requirements as part of RFQ cum RFP.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
20.	Volume III: Terms of Reference Section: EPBAX System TR	255	EPABX Additional Clause	<p>This phone feature will ensure that one single cable is used for both IP Phone connectivity and Laptop/Desktop.</p> <p>It should be possible for the IP phone to be connected on the same line which is connected to the computer i.e. Single wire to desk.</p>	RFQ cum RFP prevails
21.	Volume III: Terms of Reference Section: EPBAX System TR	255	EPABX Additional Clause	<p>For future grade scalability and multilocation expansion we suggest this point so that a future grade PBX System is quoted.</p> <p>The system should be capable of supporting IP Telephones. System should scalable up to up to 1200 users ,150 remote sites, 256 IP trunks, on the same system that is supplied as part of this RFP.</p>	RFQ cum RFP prevails
22.	Volume III: Terms of Reference Section: ACD Requirements TR	255	ACD Additional Clause	<p>As Citizens channel of engagement is drifting from a Voice based channel to Digital/Multimedia we would suggest to add the clause so that citizens can reach out Call center via the channel of their choice.</p> <p>ACD system should be Integrated multichannel contact options include voice, e-mail, and web chat. Customers are free to choose which channel they prefer and agents can quickly adapt to that preference.</p>	RFQ cum RFP prevails
23.	Volume III: Terms of Reference	255	ACD Additional Clause	<p>For a highly reliable Contact center and to avoid single point of failure.</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Section: ACD Requirements TR			ACD system should support High Availability to achieve no single point of failure.	
24.	Volume III: Terms of Reference Section: ACD Requirements TR	255	ACD Additional Clause	This clause will enable system to support Agent based Outbound dialing capabilities if required in future. The system should have built in preview and progressive dialling capabilities.	RFQ cum RFP prevails
25.	Volume III: Terms of Reference Section: ACD Requirements TR	255	ACD Additional Clause	For Dynamic Ivr call flow changes and admin friendly IVR scripting we recommend to add this clause. ACD must support the drag and drop menus in the Designer tool via graphical user interface so as to make it easy and more efficient to develop graphical call flows / workflows or scripts.	RFQ cum RFP prevails
26.	Volume III: Terms of Reference Section: ACD Requirements TR	255	ACD Additional Clause	For efficient Email handling by an email agent we request to add the clause. Should intelligently and automatically responds to email inquiries or routes inquiries with skills-based routing discipline to agents.	RFQ cum RFP prevails
27.	Volume III: Terms of Reference Section: ACD Requirements TR	255	ACD Additional Clause	These are industry grade IVR Protocols we request add the clause so that industry grade IVR capable of integrating with HTTP, ASR and other HTML Sources can be done easily without need to any proprietary additional connectoes.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				VXML, CCXML, SMIL, SRGS/SISR, MRCP, SIP/H.323, WSDL/SOAP, HTML5	
28.	Volume III: Terms of Reference Section: Contact Centre Solution TR	253	Contact Center Solution Additional Clause	For a seamless System interoperability and Integration, we request to add this clause so that a hybrid solution with limited functionalities should not be quoted. All smart cities of North also have this clause. Since there is centralized Help desk and decentralized call taking, there should be seamless integration. For this contact center related components including ACD, IVR, PABX, Gateways, CTI, softphone, hard phone must be from same OEM.	RFQ cum RFP prevails
29.	Volume III: Terms of Reference Section: Contact Centre Solution TR	253	Contact Center Solution Additional Clause	These are industry grade IVR Protocols we request add the clause so that industry grade IVR capable of integrating with HTTP, ASR and other HTML Sources can be done easily without need to any proprietary additional connectoes. IVR should support VoiceXML for ASR, TTS	RFQ cum RFP prevails
30.	Volume III: Terms of Reference Section: Contact Centre Solution TR	253	Contact Center Solution Additional Clause	Maximum Citizens reach CC via Hindi or Indian English (Hinglish). Speech Recognition Engine should support Indian English, Hindi	RFQ cum RFP prevails
31.	Volume III: Terms of Reference Section: Contact	253	Contact Center Solution Additional Clause	MOS greater than 4 will ensure a proven and trained TTS Engine.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Centre Solution TR			TTS should have a MOS score greater than 4.	
32.	Volume III: Terms of Reference Section: Contact Centre Solution TR	253	Contact Center Solution Additional Clause	For calls to be transferred to agents the transfer should be seamless with the details about the BOT transactions to the agent. Agent Transfer should be seamless.	RFQ cum RFP prevails
33.	Volume III: Terms of Reference Section: Contact Centre Solution TR	253	Contact Center Solution Additional Clause	For a seamless System interoperability and provenness we request to add this clause so that a hybrid solution with limited functionalities should not be quoted. For a Seamless Solution working all the critical components like Speech Engine, ASR/TTS Platform should be quoted by the same Technology provider of IVR.	RFQ cum RFP prevails
34.	Volume III: Terms of Reference Section: Contact Centre Solution TR	253	Contact Center Solution Additional Clause	For System provenness and ensuring that quoted system is capable of handling high call volumes if required in future in case of any emergency. The call center OEM's solution should have been implemented in minimum 2 projects of Emergency handling over 50,000 calls per day in India. Documentation proof should be submitted as part of the tender submission.	RFQ cum RFP prevails
35.	Volume III: Terms of Reference Section: Video Conferencing	247	Video conferencing system Additional Clause	As these systems will host multiple participants without an external MCU asked in the tender, we request to add the clause which will	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	System TR			enable endpoint to host conferencing with 8 additional participants. The Video Conferencing unit should support inbuilt, 1+8 or more Full HD Multi Party Conferencing.	
36.	Volume III: Terms of Reference Section: Video Conferencing System TR	247	Video conferencing system Additional Clause	As there is no External recording solution asked, we request to add this clause which will enable local recording on the endpoint with just attaching a USB drive. The end point should support local recording from day 1 through DVR, USB, etc.	RFQ cum RFP prevails
37.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, F.R. 1 - Functional Requirements - UTP COPPER CABLE AND ACCESSORIES - FR 1.30	17	Each conductor of the UTP cable shall be insulated with a colored high-density polyethylene jacket with varying twisted length to minimize crosstalk	Conductor insulation material is not HDPE otherwise the cable itself will not remain flexible. The conductor material is Polyolefin which helps in better performance. Each conductor of the UTP cable shall be insulated with Polyolefin with varying twisted length to minimize crosstalk.	RFQ cum RFP prevails
38.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, F.R. 1 - Functional	17	Additional accessories to include CAT 6/7 Patch Cords required for data communications connections, CAT6/7 Patch Panels for cable termination and Surge Suppressors for protection	Specifications are for CAT 6, therefore by mentioning CAT 7 it will only create confusion. CAT 7 is 2 times more expensive than CAT 6 and will not come in UTP variant. Additional accessories to include CAT 6 Patch Cords required for data communications connections, CAT6	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Requirements - UTP COPPER CABLE AND ACCESSORIES - FR 1.31		from voltage spikes as per the design requirements.	Patch Panels for cable termination and Surge Suppressors for protection from voltage spikes as per the design requirements.	
39.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, F.R. 1 - Functional Requirements - UTP COPPER CABLE AND ACCESSORIES - FR 1.34	17	The termination shall protect the cable terminations from water and mechanical damage and shall be resistant to salt corrosion.	The panels cannot be outdoor rated, if the panels are to be used in an outdoor environment, then the rack in which they are mounted should be outdoor rated. Also, the contacts are metallic and are bound to be corrosive in nature if it comes in contact with water or dust. To delete this clause.	RFQ cum RFP prevails
40.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, F.R. 1 - Functional Requirements - Fiber Asset Management - FR 1.47	18	The fibre asset management system shall be a purposeful-built tool that will allow mapping of all fibre counts in terms of count colour, number and allocation (entity or device) among other variables.	If the customer wants fiber asset management then the hardware has to be intelligent. An intelligent hardware collects information such as connections / disconnections and feeds the information to a UGI which presents the data in a readable format for the customer to make informed decisions. It will monitor when the connections are made and will map all the connections in the fiber network. Therefore, the passive products being proposed should be intelligent otherwise this request for fiber asset management will not be possible.	As per Bidder solution.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				The fibre asset management system shall be a purposeful-built tool that will allow mapping of all fibre counts in terms of count colour, number and allocation (entity or device) among other variables. The passive hardware should be intelligent upgradable so that information about the fiber network can be collected	
41.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, F.R. 1 - Functional Requirements - Fiber Asset Management - FR 1.48	18	Fibre asset management system shall be configurable and easy to operate and update. It is expected that post any implementation of the fibre optic infrastructure; this asset management system shall be updated on an on-going basis.	If the passive products are intelligent ready, one can upgrade them at a later date and upon activation will automatically provide documentation when any changes occur in the network. Fibre asset management system shall be configurable and easy to operate and update. It is expected that post any implementation of the fibre optic infrastructure; this asset management system shall be updated automatically once the passive hardware is upgraded to intelligent.	As per Bidder Solution
42.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, F.R. 1 - Functional Requirements - Enterprise Management System (EMS) - FR	18	The proposed solution shall provide at a minimum the following functions: <ul style="list-style-type: none"> • Configuration Management; • Fault Management; • Incident, Problem and Change Management; • Asset Management; • Remote Control; • SLA Management & Monitoring; 	Is the customer looking for this feature without the use of passive cabling being part of it? Many of the features are possible on intelligent cabling system which provides extensive monitoring and documentation capability of the passive network. Please clarify if intelligent cabling is required or not. If yes then the hardware specifications have to be changed as currently no bidder will provide	As per Bidder Solution.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	1.58			intelligent products. Note the asked features will not be possible without intelligent cabling system, hence either this section should be completely removed or clarification should be provided.	
43.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, F.R. 1 - Functional Requirements - Enterprise Management System (EMS) - FR 1.58	19	Performance Management; • Monitoring Backup and Management; • Event Management; • Server, Storage and other Infrastructure Management; • Monitor Network Components of the LAN & WAN; • Network Link Monitoring; • Monitoring cloud hosting, as applicable. • Helpdesk Monitoring, Management and Reporting; And • Traffic analysis.	Is the customer looking for this feature without the use of passive cabling being part of it? Many of the features are possible on intelligent cabling system which provides extensive monitoring and documentation capability of the passive network. Please clarify if intelligent cabling is required or not. If yes then the hardware specifications have to be changed as currently no bidder will provide intelligent products. Note the asked features will not be possible without intelligent cabling system, hence either this section should be completely removed or clarification should be provided.	As per Bidder Solution.
44.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, F.R. 1 - Functional Requirements - Enterprise Management	19	The proposed solution shall facilitate the retrieval, storage, analysis and display of status information from all network devices attached to the system that are SNMP and/or ICMP capable.	Is the customer looking for this feature without the use of passive cabling being part of it? Many of the features are possible on intelligent cabling system which provides extensive monitoring and documentation capability of the passive network. Please clarify if intelligent cabling is required or not. If yes then the hardware specifications have to be changed	As per Bidder Solution.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	System (EMS) - FR 1.59			as currently no bidder will provide intelligent products. Note the asked features will not be possible without intelligent cabling system, hence either this section should be completely removed or clarification should be provided.	
45.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, F.R. 1 - Functional Requirements - Enterprise Management System (EMS) - FR 1.60	19	The proposed solution shall provide the ability to view the network and its associated IP SNMP/ICMP enabled devices including switches and other IP devices connected over the network. t shall support a minimum of 1000 end points at day 1 and shall be scalable up to 5000 end points to cater future requirements.	Is the customer looking for this feature without the use of passive cabling being part of it? Many of the features are possible on intelligent cabling system which provides extensive monitoring and documentation capability of the passive network. Please clarify if intelligent cabling is required or not. If yes then the hardware specifications have to be changed as currently no bidder will provide intelligent products. Note the asked features will not be possible without intelligent cabling system, hence either this section should be completely removed or clarification should be provided.	As per Bidder Solution.
46.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, F.R. 1 - Functional Requirements - Enterprise Management	19	The proposed solution should include all hardware and software required to configure, control and monitor the network connected SNMP/ICMP based devices.	Is the customer looking for these features without the use of passive cabling being part of it? Many of the features are possible on intelligent cabling system which provides extensive monitoring and documentation capability of the passive network. Please clarify if intelligent cabling is required or not. If yes then the hardware specifications have to be changed	As per Bidder Solution.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	System (EMS) - FR 1.61			as currently no bidder will provide intelligent products. Note the asked features will not be possible without intelligent cabling system, hence either this section should be completely removed or clarification should be provided.	
47.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, F.R. 1 - Functional Requirements - Enterprise Management System (EMS) - FR 1.62	19	The proposed solution shall be able to support the proposed hardware and software components (IT and Non-IT) deployed over the tenure of the Contract. The EMS shall be capable of providing early warning signals to the Helpdesk Agents on the performance issues, and future infrastructure capacity augmentation. The EMS shall also support single pane / dashboard with visibility across multiple areas of applications for monitoring.	Is the customer looking for this feature without the use of passive cabling being part of it? Many of the features are possible on intelligent cabling system which provides extensive monitoring and documentation capability of the passive network. Please clarify if intelligent cabling is required or not. If yes then the hardware specifications have to be changed as currently no bidder will provide intelligent products. Note the asked features will not be possible without intelligent cabling system, hence either this section should be completely removed or clarification should be provided.	As per Bidder Solution.
48.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, F.R. 1 - Functional Requirements - Enterprise Management	19	The proposed solution shall provide discovery & inventory of physical network devices and other IP devices.	Is the customer looking for this feature without the use of passive cabling being part of it? Many of the features are possible on intelligent cabling system which provides extensive monitoring and documentation capability of the passive network. Please clarify if intelligent cabling is required or not. If yes then the hardware specifications have to be changed	As per Bidder Solution.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	System (EMS) - FR 1.63			as currently no bidder will provide intelligent products. Note the asked features will not be possible without intelligent cabling system, hence either this section should be completely removed or clarification should be provided.	
49.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, F.R. 1 - Functional Requirements - Enterprise Management System (EMS) - FR 1.64	19	The proposed solution shall be able to generate utilization of physical as well as virtual servers.	Is the customer looking for this feature without the use of passive cabling being part of it? Many of the features are possible on intelligent cabling system which provides extensive monitoring and documentation capability of the passive network. Please clarify if intelligent cabling is required or not. If yes then the hardware specifications have to be changed as currently no bidder will provide intelligent products. Note the asked features will not be possible without intelligent cabling system, hence either this section should be completely removed or clarification should be provided.	As per Bidder Solution.
50.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, F.R. 1 - Functional Requirements - Enterprise Management	19	The proposed system shall able to perform real-time or scheduled capture of device configurations.	Is the customer looking for this feature without the use of passive cabling being part of it? Many of the features are possible on intelligent cabling system which provides extensive monitoring and documentation capability of the passive network. Please clarify if intelligent cabling is required or not. If yes then the hardware specifications have to be changed	As per Bidder Solution.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	System (EMS) - FR 1.65			as currently no bidder will provide intelligent products. Note the asked features will not be possible without intelligent cabling system, hence either this section should be completely removed or clarification should be provided.	
51.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, F.R. 1 - Functional Requirements - Enterprise Management System (EMS) - FR 1.66	19	The proposed system shall also provide features to capture, view & upload network device configuration.	Is the customer looking for this feature without the use of passive cabling being part of it? Many of the features are possible on intelligent cabling system which provides extensive monitoring and documentation capability of the passive network. Please clarify if intelligent cabling is required or not. If yes then the hardware specifications have to be changed as currently no bidder will provide intelligent products. Note the asked features will not be possible without intelligent cabling system, hence either this section should be completely removed or clarification should be provided.	As per Bidder Solution.
52.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, F.R. 1 - Functional Requirements - Enterprise Management	19	The proposed system shall be able to auto-discover the network including the network elements.	Is the customer looking for this feature without the use of passive cabling being part of it? Many of the features are possible on intelligent cabling system which provides extensive monitoring and documentation capability of the passive network. Please clarify if intelligent cabling is required or not. If yes then the hardware specifications have to be changed	As per Bidder Solution.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	System (EMS) - FR 1.67			as currently no bidder will provide intelligent products. Note the asked features will not be possible without intelligent cabling system, hence either this section should be completely removed or clarification should be provided.	
53.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, F.R. 1 - Functional Requirements - Enterprise Management System (EMS) - FR 1.68	19	The proposed system shall employ Graphical User Interface that allows users to manage the network through a multilevel window. (i.e. Network and Sub networks Maps window).	Is the customer looking for this feature without the use of passive cabling being part of it? Many of the features are possible on intelligent cabling system which provides extensive monitoring and documentation capability of the passive network. Please clarify if intelligent cabling is required or not. If yes then the hardware specifications have to be changed as currently no bidder will provide intelligent products. Note the asked features will not be possible without intelligent cabling system, hence either this section should be completely removed or clarification should be provided.	As per Bidder Solution.
54.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, F.R. 1 - Functional Requirements - Enterprise Management	19	The proposed system shall include the ability to download software loads, activate new software loads, or get information about the active software load).	Is the customer looking for this feature without the use of passive cabling being part of it? Many of the features are possible on intelligent cabling system which provides extensive monitoring and documentation capability of the passive network. Please clarify if intelligent cabling is required or not. If yes then the hardware specifications have to be changed	As per Bidder Solution.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	System (EMS) - FR 1.69			as currently no bidder will provide intelligent products. Note the asked features will not be possible without intelligent cabling system, hence either this section should be completely removed or clarification should be provided.	
55.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, F.R. 1 - Functional Requirements - Enterprise Management System (EMS) - FR 1.70	19	The help desk shall be a web enabled management system with SMS and email based alert system for the Helpdesk Call management and SLA reporting.	Is the customer looking for this feature without the use of passive cabling being part of it? Many of the features are possible on intelligent cabling system which provides extensive monitoring and documentation capability of the passive network. Please clarify if intelligent cabling is required or not. If yes then the hardware specifications have to be changed as currently no bidder will provide intelligent products. Note the asked features will not be possible without intelligent cabling system, hence either this section should be completely removed or clarification should be provided.	As per Bidder Solution.
56.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, F.R. 1 - Functional Requirements - Enterprise Management	19	Help desk facility shall be provided through Toll-free lines, landlines, helpdesk tool, E-mail, direct walk- in etc.	Is the customer looking for this feature without the use of passive cabling being part of it? Many of the features are possible on intelligent cabling system which provides extensive monitoring and documentation capability of the passive network. Please clarify if intelligent cabling is required or not. If yes then the hardware specifications have to be changed	As per Bidder Solution.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	System (EMS) - FR 1.71			as currently no bidder will provide intelligent products. Note the asked features will not be possible without intelligent cabling system, hence either this section should be completely removed or clarification should be provided.	
57.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, F.R. 1 - Functional Requirements - Enterprise Management System (EMS) - FR 1.72	19	The Help desk shall log user calls related to system and assign an incident/ call ID number. Severity shall be assigned to each call as per the SLAs.	Is the customer looking for this feature without the use of passive cabling being part of it? Many of the features are possible on intelligent cabling system which provides extensive monitoring and documentation capability of the passive network. Please clarify if intelligent cabling is required or not. If yes then the hardware specifications have to be changed as currently no bidder will provide intelligent products. Note the asked features will not be possible without intelligent cabling system, hence either this section should be completely removed or clarification should be provided.	As per Bidder Solution.
58.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, F.R. 1 - Functional Requirements - Enterprise Management	19	Help desk shall track each incident / call to resolution. Escalate the calls, to the appropriate levels, if necessary, as per the escalation matrix agreed upon with Authority/authorized entity.	Is the customer looking for this feature without the use of passive cabling being part of it? Many of the features are possible on intelligent cabling system which provides extensive monitoring and documentation capability of the passive network. Please clarify if intelligent cabling is required or not. If yes then the hardware specifications have to be changed	As per Bidder Solution.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	System (EMS) - FR 1.73			as currently no bidder will provide intelligent products. Note the asked features will not be possible without intelligent cabling system, hence either this section should be completely removed or clarification should be provided.	
59.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, F.R. 1 - Functional Requirements - Enterprise Management System (EMS) - FR 1.74	19	Help desk shall analyze the incident/ call statistics and provide monthly reports.	Is the customer looking for this feature without the use of passive cabling being part of it? Many of the features are possible on intelligent cabling system which provides extensive monitoring and documentation capability of the passive network. Please clarify if intelligent cabling is required or not. If yes then the hardware specifications have to be changed as currently no bidder will provide intelligent products. Note the asked features will not be possible without intelligent cabling system, hence either this section should be completely removed or clarification should be provided.	As per Bidder Solution.
60.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Optical Fibre Cable (OFC) OR Fibre	27	ITU-T G.652-D Characteristics of a single-mode optical fibre and cable.	Gel Free should be added to the clause as gel filled cables are highly inflammable and can propagate fire. Gel Free cables are a lot lighter, smaller diameter, easier to install and do not pose a fire threat like gel filled cables. ITU-T G.652.D- Characteristics of a single-mode Gel-Free, outdoor standard loose tube optical fibre cable.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Optic Cable (FOC) - TR 1.105				
61.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Optical Fibre Cable (OFC) OR Fibre Optic Cable (FOC) - TR 1.107	28	All applicable TIA/EIA standards for single mode fibre cable and those listed in these technical requirements.	The addition of ITU-T G.657.A1 (for bend insensitive) and TIA-492CAAB (OS2) will ensure that the customer gets high quality fiber cables and not older version that are compliant to OS2 and are not bend insensitive. Fiber cable should be compliant to ITU-T G.652.D, ITU-T G.657.A1 (Bend Insensitive), TIA-492CAAB (OS2) and Telcordia GR-20.	RFQ cum RFP prevails
62.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Optical Fibre Cable (OFC) OR Fibre Optic Cable (FOC) - TR 1.108	28	The fibre optic cable shall be single mode, loose tube dielectric armoured (glass yarn armouring) cable which shall be ordered in different fibre count and tube configuration as detailed in the functional requirements.	Nonmetallic armouring can be achieved by various methods depending on OEM, hence Glass yarn armouring should be removed. The fibre optic cable shall be single mode, loose tube Non-Metallic Armoured sheath which shall be ordered in different fibre count and tube configuration as detailed in the functional requirements.	RFQ cum RFP prevails
63.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical	28	Single mode fibre shall have attenuation not greater than 0.36 dB/km at 1310 nm and 0.25 dB/km at 1550 nm.	The attenuation values mentioned will attract low quality OEMs, hence to ensure high quality fiber the attenuation values should be a little stricter. Single mode fibre shall have attenuation not greater than 0.34	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Requirements - Optical Fibre Cable (OFC) OR Fibre Optic Cable (FOC) - TR 1.110			dB/km at 1310 nm and 0.22 dB/km at 1550 nm.	
64.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Optical Fibre Cable (OFC) OR Fibre Optic Cable (FOC) - TR 1.111	28	Single mode fibre shall have attenuation not greater than 0.36 dB/km at 1310 nm and 0.25 dB/km at 1550 nm.	The clause has been repeated hence should be removed. To delete this clause.	RFQ cum RFP prevails
65.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Optical Fibre Cable (OFC) OR Fibre Optic Cable (FOC) - TR 1.113	28	The single mode optical cable shall have polarization mode dispersion (PMD) coefficient ≤ 0.2 at 1310nm.	The value of 0.2 is very high and seems to be a typo error, the typical value is 0.04 ps/sqrt(km). The Single Mode Optical cable shall have Polarization Mode Dispersion (PMD), maximum 0.04 ps/sqrt(km)	RFQ cum RFP prevails
66.	Volume III: Terms of Reference Section 2.2. Business, Functional and	28	Fibre attenuation measurements shall be made in the factory in accordance with EIA-455-78A for single-mode fibre.	Proof for this clause cannot be shared as this would be a factory document. Therefore, the clause should be deleted. To delete this clause	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Technical Requirements, T.R. 1 - Technical Requirements - Optical Fibre Cable (OFC) OR Fibre Optic Cable (FOC) - TR 1.114		The spectral width of the source used to measure attenuation shall be less than 10 nm.		
67.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Optical Fibre Cable (OFC) OR Fibre Optic Cable (FOC) - TR 1.116	28	The attenuation of the single mode fibre shall be distributed uniformly throughout its length such that there are no point discontinuities in excess of 0.1 dB at 1310 nm or 1550nm wavelength. Fibre shall have no voids, air bubbles, or streaks in them. Factory splicing is not permitted. Attenuation Uniformity shall be measured in accordance with EIA-455-59.	Proof for this clause cannot be shared as this would be a factory document. Therefore, the clause should be deleted. To delete this clause.	RFQ cum RFP prevails
68.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Optical Fibre Cable (OFC) OR Fibre Optic Cable (FOC) - TR 1.117	28	The Chromatic Dispersion of single mode fibre shall be measured in accordance with EIA-455-175 or EIA-455-168.	The test standards have been updated which fall under ITU-T or ANSI/TIA 568 standards. The Chromatic Dispersion of single mode fibre shall be measured in accordance with ITU-T or ANSI/TIA 568 standards.	These are minimum standards which needs to be complied. Any latest revision of the standard has to be complied.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
69.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Optical Fibre Cable (OFC) OR Fibre Optic Cable (FOC) - TR 1.118	28	The cut-off wavelength of cabled fibre shall be less than 1260 nm. The wavelength shall be measured according to EIA-455-170.	<p>The test standards have been updated which fall under ITU-T or ANSI/TIA 568 standards.</p> <p>The cut-off wavelength of cabled fibre shall be less than 1260 nm. The wavelength shall be measured according to ITU-T or ANSI/TIA 568 standards.</p>	These are minimum standards which needs to be complied. Any latest revision of the standard has to be complied.
70.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Optical Fibre Cable (OFC) OR Fibre Optic Cable (FOC) - TR 1.119	28	The single mode fibre optic cable shall be dielectric armoured cable that shall be suitable for outdoor installations, with protection against crush and rodents.	<p>Dielectric means that the construction of the fiber cable does not contain any metallic element. But since armoring is required it should be clarified that nonmetallic armoring will be required.</p> <p>The single mode fibre optic cable shall be dielectric non-metallic armoured cable that shall be suitable for outdoor installations, with protection against crush and rodents.</p>	RFQ cum RFP prevails
71.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Optical Fibre Cable	28	The minimum bending radius of the fibre optic cable shall be at least 15 times the diameter of the cable or better (static) and shall be at least 10 times the diameter of the cable or better (dynamic).	<p>As per standards the minimum bending radius of the fiber cable should be minimum 20 times the outer diameter when static.</p> <p>The minimum bending radius of the fibre optic cable shall be at least 20 times the diameter of the cable or better (static) and shall be at least</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	(OFC) OR Fibre Optic Cable (FOC) - TR 1.120			10 times the diameter of the cable or better (dynamic).	
72.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Optical Fibre Cable (OFC) OR Fibre Optic Cable (FOC) - TR 1.129	29	All the cable shall be clearly marked with indelible ink at intervals of 1 meter with the following data: Manufacturer cable and ID code; Year of manufacturer (cable); Customer Name "DMIC IITGNL"; Number of fibres and SM (single mode).	We would request that the customer name should be deleted from the clause as global OEMs manufacture common fiber cables which are supplied to all customers across the globe, hence having a specific name printed on the cable will not be possible as the part number is common. All the cable shall be clearly marked with indelible ink at intervals of 1 meter with the following data: Manufacturer cable and ID code; Year of manufacturer (cable); Number of fibres and SM (single mode).	RFQ cum RFP prevails
73.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Optical Fibre Cable (OFC) OR Fibre Optic Cable (FOC) - TR 1.132	29	The cabled optical fibre shall maintain mechanical and optical integrity through an operational temperature range of 0°C to +70°C.	A temperature of 0 degree C is not low enough as 0 degree C is very much possible, it should be at least - 20 degree C on the lower side. The cabled optical fibre shall maintain mechanical and optical integrity through an operational temperature range of -20°C to +70°C.	RFQ cum RFP prevails
74.	Volume III: Terms of Reference Section 2.2.	29	Temperature cycling measurements shall be made in accordance with	A temperature of 0 degree C is not low enough as 0 degree C is very	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Optical Fibre Cable (OFC) OR Fibre Optic Cable (FOC) - TR 1.134		EIA-455-3A as per below: Storage Temperature: 0°C to 60°C; Installation Temperature: 0°C to 55°C; and Operating Temperature: 0°C to 70°C.	much possible, it should be at least - 20 degree C on the lower side. Temperature cycling measurements shall be made in accordance with EIA-455-3A as per below: Storage Temperature: -20°C to 60°C; Installation Temperature: -20°C to 55°C; and Operating Temperature: -20°C to 70°C.	
75.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Optical Fibre Cable (OFC) OR Fibre Optic Cable (FOC) - TR 1.135	29	The cable shall maintain its mechanical and optical performance for an in-service period exceeding 25 years. The MSI shall provide documentation proof to validate this.	25 years is the common accepted warranty period by most OEMs, they do not provide warranty beyond 25 years, hence the warranty should be limited to 25 years. The cable shall maintain its mechanical and optical performance for an in-service period of 25 years. The MSI shall provide documentation proof to validate this.	RFQ cum RFP prevails
76.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Optical Fibre Cable (OFC) OR Fibre	29	The outer jacket of the cable shall be fungus inert and shall be suitable for long term exposure to sunlight and weather.	'long term exposure' is an ambiguous term and is very subjective, the cable should be UV stabilized. The outer jacket of the cable shall be fungus inert and shall be UV stabilized	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Optic Cable (FOC) - Installation Requirements - TR 1.138				
77.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Optical Fibre Cable (OFC) OR Fibre Optic Cable (FOC) - Testing - TR 1.145	30	<p>Prior to shipment, Factory-controlled tests shall be performed to verify compliance of the above stated specifications. Each cable reel shall be shipped with test results indicating the length of the cable reel and the attenuation at 1310 nm and 1550 nm for each fibre, as applicable. A copy of these test results shall also be provided to DMIC IITGNL or their designate. Any test that reveals the materials or equipment does not meet the stated specifications shall constitute failure. Visual inspection shall be carried out on 100% basis for all the equipment/items offered. Dimensional test shall be carried out on 10% sample of the respective lot. Drip test shall be carried out In case any of the selected samples fail, the failed sampled is rejected and</p>	<p>Drip test is required for Gel-Filled Cable since it has been recommended to go with Gel free cables, this test should be removed as well. Prior to shipment, Factory-controlled tests shall be performed to verify compliance of the above stated specifications. Each cable reel shall be shipped with test results indicating the length of the cable reel and the attenuation at 1310 nm and 1550 nm for each fibre, as applicable. A copy of these test results shall also be provided to DMIC IITGNL or their designate. Any test that reveals the materials or equipment does not meet the stated specifications shall constitute failure. Visual inspection shall be carried out on 100% basis for all the equipment/items offered. Dimensional test shall be carried out on 10% sample of the respective lot. In case any of the selected samples fail, the failed sampled is rejected and additional 20% samples shall be selected randomly and tested. In case any sample from the additional 20% also fails, the entire batch or OEM may be rejected.</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			additional 20% samples shall be selected randomly and tested. In case any sample from the additional 20% also fails, the entire batch or OEM may be rejected.		
78.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Optical Fibre Cable (OFC) OR Fibre Optic Cable (FOC) - TR 1.149	30	Crush and Impact Test (Outdoor Cable): A crush and impact test shall be carried out on a sample of cable approximately 10 m in length according to the method stated in EIA-455-41, and EIA-455-25A /IEC 794. Optical loss measurements are to be made at the 1550 nm nominal wavelength. A permanent or temporary increase in the attenuation loss value greater than 1.0 dB/test-fibre-km shall constitute failure.	Mechanical tests fall under the IEC 60794 procedures. A crush and impact test shall be carried out on a sample of cable approximately 10 m in length according to the method stated in IEC 60794. Optical loss measurements are to be made at the 1550 nm nominal wavelength. A permanent or temporary increase in the attenuation loss value greater than 1.0 dB/test-fibre-km shall constitute failure.	These are minimum standards which needs to be complied. Any latest revision of the standard has to be complied.
79.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Optical Fibre Cable (OFC) OR Fibre	31	Twist and Flexibility Test: A twist and flexibility test shall be carried out on a sample of cable approximately 5 m in length according to the methods stated in EIA-455-85/IEC 794, and EIA-455-104. Optical loss measurements are to be made at the 1550 nm	Mechanical tests fall under the IEC 60794 procedures. A twist and flexibility test shall be carried out on a sample of cable approximately 5 m in length according to the methods stated in IEC 60794. Optical loss measurements are to be made at the 1550 nm nominal wavelength. A permanent or temporary increase in the attenuation loss value greater	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Optic Cable (FOC) - TR 1.150		nominal wavelength. A permanent or temporary increase in the attenuation loss value greater than 1.0 dB/test fibre-km shall constitute failure.	than 1.0 dB/test fibre-km shall constitute failure.	
80.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Optical Fibre Cable (OFC) OR Fibre Optic Cable (FOC) - TR 1.151	31	Water Ingress Test: A water ingress test shall be carried out on a sample of cable according to the requirements of EIA -455-82A/IEC 794. No water shall leak through the open end of the 3.0m test sample.	Mechanical tests fall under the IEC 60794 procedures. A water ingress test shall be carried out on a sample of cable according to the requirements of IEC 60794. No water shall leak through the open end of the 3.0m test sample.	RFQ cum RFP prevails
81.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Optical Fibre Cable (OFC) OR Fibre Optic Cable (FOC) - TR 1.153	31	General: <ul style="list-style-type: none"> • Inner & Outer sheath diameter need to define. • FRP diameter need to define. • Kink test, cable bend test, temperature cycle test & Drip test need to add in Factory acceptance test. • Cable diameter need to define. 	Drip test is required for Gel-Filled Cable since it has been recommended to go with Gel free cables, this test should be removed as well. <ul style="list-style-type: none"> • Inner & Outer sheath diameter need to define. • FRP diameter need to define. • Kink test, cable bend test and temperature cycle test need to add in Factory acceptance test. • Cable diameter need to define. 	RFQ cum RFP prevails
82.	Volume III: Terms of Reference Section 2.2. Business,	31	The cable shall comprise of four (4) uniformly twisted insulated conductor pairs. Each pair shall have	The pairs are never uniformly twisted. This is as per the ANSI/TIA 568 standard. The pairs are twisted in different ratios as this allows	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Functional and Technical Requirements, T.R. 1 - Technical Requirements - UTP Copper Cable & Accessories - TR 1.154		different colour insulation for identification and the two cores of any one pair shall also have different coloured insulation for the identification of a specific core.	better performance and does not allow noise interference to affect all 4 pairs together. No OEM makes twisted pair cables with uniform twist ratios. The cable shall comprise of four (4) varied twisted insulated conductor pairs. The pairs shall be in 4 colors as per ANSI/TIA 568 standard Blue, Orange, Green and Brown along with their associated White conductor.	
83.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - UTP Copper Cable & Accessories - TR 1.155	31	A non-hygroscopic dielectric tape shall be wrapped around the insulated pairs.	The dielectric tape serves no purpose, it only increases the diameter of the cable. Hence this requirement should be removed. To delete this clause	RFQ cum RFP prevails
84.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - UTP Copper Cable & Accessories - TR 1.156	31	A tight-fitting black polyethylene jacket shall be extruded over the shield.	Since the cable is an unshielded cable, there would be no shields, hence the word shield should be removed. A tight-fitting black polyethylene jacket shall be extruded over the conductors.	Refer to Corrigendum.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
85.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - UTP Copper Cable & Accessories - TR 1.157	31	Conductors shall be twisted to form pairs with an average mutual capacitance of less than 56 nF/km with a far end crosstalk loss of 69 dB/km or better.	NEXT is the most important parameter when evaluating the performance of a cabling system. Therefore, asking for a minimum NEXT headroom is far better than asking for FEXT which is no longer part of test reports. Conductors shall be twisted to form pairs with an average mutual capacitance of less than 56 nF/km with a minimum NEXT headroom (margin) of 3 dB or better.	RFQ cum RFP prevails
86.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - UTP Copper Cable & Accessories - TR 1.158	31	The cable shall have a water repellent filled core and shall have a sunlight and weather resistant jacket of polyethylene (e.g. XLPE). MSI shall propose solution to meet the requirements of the RFQ cum RFP for fulfilling this particular requirement.	sunlight and weather resistant jacket mean outdoor rated, hence outdoor rated should be mentioned. The cable shall have a flooding compound core and shall have an outdoor rated jacket of polyethylene (e.g. XLPE). MSI shall propose solution to meet the requirements of the RFQ cum RFP for fulfilling this particular requirement.	RFQ cum RFP prevails
87.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - UTP Copper Cable & Accessories - TR	31	Materials used in the cable shall not support galvanic action.	The clause does not make any sense for cables whose prime function is to transmit signals. To delete this clause	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	1.161				
88.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Copper Patch cords - TR 1.162	31	Patch cords fabricated from UTP cable shall be of suitable length to connect field devices with the switch/ FTP. Patch cords shall be sized to minimize excess cable interconnecting equipment, with cables routed and dressed to maintain a neat appearance.	It is clearly mentioned that the cables shall be fabricated from UTP cable, hence FTP is a contradiction as FTP stands for Foil Twisted Pair which is a shielded cable, therefore FTP should be removed. Patch cords fabricated from UTP cable shall be of suitable length to connect field devices with the switch. Patch cords shall be sized to minimize excess cable interconnecting equipment, with cables routed and dressed to maintain a neat appearance.	RFQ cum RFP prevails
89.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Copper Patch cords - TR 1.165	31	All cabling and connectors shall be in accordance with ANSI/TIA/EIA-568-B.	ANSI/TIA/EIA has been renamed as ANSI/TIA only, also 568 B is the old standard a more recent standard is 568 C. All cabling and connectors shall be in accordance with ANSI/TIA-568-C.	These are minimum standards which needs to be complied. Any latest revision of the standard has to be complied.
90.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Copper Patch	32	The standard termination is to be according to ANSI/TIA/EIA-568A.	The correct termination standard is TIA 568B as there is nothing such as ANSI/TIA/EIA-568A. B is the termination method used in India, hence to ensure interoperability the termination should B method. The standard termination is to be according to TIA 568B.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Panel - TR 1.168				
91.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Copper Patch Panel - TR 1.170	32	All material of the termination and associated mounting accessories shall be non-reactive and the complete assembly shall not support galvanic cell action.	The panels cannot be outdoor rated, if the panels are to be used in an outdoor environment, then the rack in which they are mounted should be outdoor rated. To delete this clause.	RFQ cum RFP prevails
92.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Copper Patch Panel - TR 1.173	32	Connectors shall be sealed water resistant, and shall accommodate the #23 AWG gauge solid conductors. Insulation displacement terminal lugs are permitted.	If the connectors are to be fixed in a panel, then they will take up the properties of the panel, since the panel is not outdoor rated, the connectors cannot be outdoor rated. But if the panel is mounted in an outdoor rated rack then panel and subsequently the connector becomes protected from outdoor environment. To delete this clause.	RFQ cum RFP prevails
93.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Fibre Optic Splice Closure (FOSC) - TR 1.179	32	Be re-enterable without the use of additional parts or special materials.	Just by mentioning re-enterable will not ensure that the fiber optic splice closure will provide that feature, hence it is necessary to state that it should be mechanically sealed and the dome and base should be sealed using a clamp with O-ring system. Be re-enterable without the use of additional parts or special materials. The dome and base should be sealed using a clamp with O-ring	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				system. The cable entry ports should be sealed mechanically.	
94.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Fibre Optic Splice Closure (FOSC) - TR 1.180	32	Not require special tools to enter or assemble.	It is critical that it should be specified that heat shrinkable tubes are also not allowed and the only way to seal is via a gel seal. Not require special tools to enter or assemble. It should be Gel-Sealed and no need of added tools such as heat shrinkable tubes for cable Installation.	RFQ cum RFP prevails
95.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Fibre Optic Splice Closure (FOSC) - TR 1.182	32	Have a life expectancy of at least 25 years.	Since these are telecom products, the warranty on these products cannot be more 3 years. Therefore, it is requested to change the clause to 3 years. Have a warranty of at least 3 years.	RFQ cum RFP prevails
96.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Fibre Optic Splice	32	Meet all performance standards over the operating temperature range of 0°C to +60°C.	As mentioned earlier, 0 degree C is not sufficient lower range temperature, especially for FOSC which are going to be outside the building. Therefore -20 degree C is the reasonable temperature that should be asked. Meet all performance standards over the operating temperature range of -20°C to +70°C.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Closure (FOSC) - TR 1.187				
97.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Optical Connectors - TR 1.189	32	The optical connectors shall comply with Telcordia GR-326-CORE, NWT, American Society for Testing and Materials (ASTM), Telecommunications Industry Association (TIA), as well as Underwriters Laboratories for flammability tests.	ANSI/TIA 568 C.3 is specifically for optical fiber and its associated components. The optical connectors shall comply with ANSI/TIA 568 C.3 standards.	RFQ cum RFP prevails
98.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Optical Connectors - TR 1.190	33	Optical connectors shall conform to the following standards at a minimum: <ul style="list-style-type: none"> • Small form factor SC and ST/LC; • UPC type; • Push-on/pull-off interconnection, dry contact, physical contact; • Suitable for single-mode installations; • Simple polishing tools for infield installation; • Available in duplex styles; • Connector strain relief limits cable bending radius; • Adapters available to mate with other connectors; • Insertion Loss < 0.2 	SC and ST connectors are not small form factor connectors, only LC connectors fall under this category. The insertion loss as per standards should be equal to or lower than 0.3 dB, the same is the case with return loss. The other parameters have no significance and should be removed to avoid confusion. Optical connectors shall conform to the following standards at a minimum: <ul style="list-style-type: none"> • Small form factor LC; • UPC type; • Push-on/pull-off interconnection, dry contact, physical contact; • Suitable for single-mode installations; • Simple polishing tools for infield installation; • Available in duplex styles; • Connector strain relief limits cable bending radius; 	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<p>dB;</p> <ul style="list-style-type: none"> Return Loss > -55dB; Repeatability <= 0.1 dB; Thermal Shock <= 0.1 dB; Temperature Cycling <= 0.1 dB 0°C to +60°C (40 Cycles); and Humidity Cycling <= 0.1 dB +60°C (10-95 percent). 	<ul style="list-style-type: none"> Adapters available to mate with other connectors; Insertion Loss < 0.3 dB; Return Loss > -50 dB; 	
99.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Fibre Distribution and Management System (FDMS) / Optical Cable Entrance Facility (OCEF) - TR 1.203	34	<p>The components of module include splicing cum patching shelves, shall be provided as per the requirement at all fibre terminations.</p> <ul style="list-style-type: none"> Number of ports minimum 24. Stackable splice tray. Cable entry from rear or sides. Radius controlled cable routing. Front Access to cable connectors. Powder coated Cold Rolled Steel CRS Dimensions: <ul style="list-style-type: none"> > Width: 485 mm ± 2 %; > Depth: 300 mm ± 2 %; and 	<p>Dimensions should be removed as every OEM has different dimensions, by specifying dimensions the participants will be restricted from bidding.</p> <p>The components of module include splicing cum patching shelves, shall be provided as per the requirement at all fibre terminations.</p> <ul style="list-style-type: none"> Number of ports minimum 24. Stackable splice tray. Cable entry from rear or sides. Radius controlled cable routing. Front Access to cable connectors. Powder coated Cold Rolled Steel CRS 	Refer to Corrigendum.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			➤ Height: 44 mm ± 2%.		
100.	Volume III: Terms of Reference Section 2.2. Business, Functional and Technical Requirements, T.R. 1 - Technical Requirements - Fibre Optic Patch Panels/ Fibre Termination Panel - TR 1.219	34	The Patch panels shall provide a lockable compartment in which fusion splice trays are housed which is separate from the fibre patching area.	Most OEMs do not have any lockable compartment for the splice trays. This clause restricts the participation of most OEMs; therefore, we request this to be removed. To delete this clause	RFQ cum RFP prevails
101.	Volume III: Terms of Reference Section: Helpdesk Sr. No. TR 1.529	Page 47	The proposed helpdesk system shall support ITIL processes like request management, problem management, configuration management and change order management with out-of-the-box templates for various ITIL service support processes.	As a part of tender, Helpdesk is one of the major components required here, to log all the network incidents, user requests and tickets Creation. It is recommended to have enterprise class ITSM solution certified on at least 10+ ITIL 2011 process flow for Incident, problem, Change and release, Asset and Service level Management. Hence, suggest to please call for a 10+ ITIL process certified Helpdesk tools.	RFQ cum RFP prevails
102.	Volume III: Terms of Reference Section: Helpdesk Sr. No. TR 1.537	Page 47	The proposed helpdesk system shall integrate tightly with the knowledge tools and CMDB and shall be accessible from the same login window.	As a best 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 RFQ cum RFP states minimum requirement. The Bidder is encouraged to provide solution as per best practices.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				<p>The Common database will help in seamless tracking and management of assets.</p> <p>We understand that department is also looking for Common database or CMDB of helpdesk and Asset Management?</p> <p>Please Confirm if understanding is correct</p>	
103.	Volume III: Terms of Reference Section: Helpdesk Sr. No. TR 1.528	Page 47	The proposed helpdesk system shall provide flexibility of logging, viewing, updating and closing incident manually via web interface.	<p>As a part of tender, Helpdesk is one of the major components required here, to log all the network incidents, user requests and tickets Creation.</p> <p>We suggest department to have Helpdesk with Mobile based App so that all the tickets can be effectively manage and monitor for timely action by the Agent. Also, User can raise requests at their ease from Mobile App, along with web interface.</p>	The RFQ cum RFP states minimum requirement. The Bidder is encouraged to provide solution as per best practices.
104.	Volume III: Terms of Reference Section: EMS Sr. No. TR 1.477	Page 44	The discovery shall be able to identify and model of the ICT asset.	We understand that department is looking for an inventory management solution which will do a complete discovery of IT environment across distributed and heterogeneous environment and provide a detailed report on hardware and software inventory with clear and visual mapping of all the software and hardware components including server, storage, network, application. The software and hardware inventory	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				<p>should provide following reports: (not limited to)</p> <ol style="list-style-type: none"> 1. Software Inventory Details like – Software installed, installed patches and packages, software distribution in the infrastructure. 2. Hardware Inventory Details like - Virtualization and partitioning details, Blade enclosure summary, Fibre Channel HBA details, NAS Storage system details, Host to NAS/SAN Storage systems connection mapping etc. <p>Please confirm if our understanding is correct</p>	
105.	Volume III: Terms of Reference Section: EMS Sr. No. TR 1.499	Page 45	The proposed solution shall be supplied with a server with Windows or Linux based OS (latest) or later.	<p>We believe that the solution shall use single database for tasks of monitoring of inventory, performance, fault, traffic, reports etc.</p> <p>Single database will definitely help in controlling overall TCO.</p>	RFQ cum RFP prevails
106.	Volume III: Terms of Reference Section: Traffic Analysis through EMS Sr. No. TR 1.541	Page 47	The solution shall provide a central web-based integration point across any of the flow protocols and shall be able to report from a single console.	<p>We firmly suggest department to control the performance overheads, the system should not use separate smart plug-ins to generate reports related to QoS, Traffic Analysis and it should be available out of the box with the solution.</p>	RFQ cum RFP prevails
107.	Volume 1, Section 3	81	M/s.... Hereby certify and confirm that we are not barred or blacklisted by any central/State Govt. Dept. or Central/State PSUs in the last 5 years	<p>The Affidavit sought may be read as " M/s.... Hereby certify and confirm that we are not barred or blacklisted by any central/State Govt. Dept. or Central/State PSUs from participating in any project or being</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			from participating in any project or being awarded any contract, either individually or as member of a consortium and no such bar or blacklisting subsists as on the proposal due date	awarded any contract, either individually or as member of a consortium on the proposal due date "	
108.	Vol -III, Section TR-8	TR 8.4 Page no 211	The appliance must support at least 4*40G, 4*10 G, 4*1 G with transceivers (SR) from day 1.	OEM specific model and mismatch of interfaces as per asked throughput request you to amend the same as suggested. The appliance must support at least 2*40G, 6*10 G, 12*1 G RJ 45 with transceivers (SR) from day 1.	RFQ cum RFP prevails
109.	Vol -III, Section TR-8	TR 8.5 Page no 211	Firewall must support stateful inspection throughput minimum of 80 Gbps in Active-Active deployment or Active-Passive deployment.	pls clarify whether the asked throughput is the Firewall throughput only and being firewall, this is not the only specification on which it should rely seeing the todays threat it should also mention a combined throughput of NGFW including FW, IS, App control which every OEM provides. request you to amend as suggested. Firewall must support stateful throughput of 80 Gbps and NGFW throughput of 7 Gbps or more from day 1. Solution to be quoted in HA (Active-Active or Active-Passive)	RFQ cum RFP prevails
110.	Vol -III, Section TR-8	TR 8.6 Page no 211	Firewall must support at least 5 million concurrent sessions.	The asked number is very less in terms of the throughput asked which will limit to achieve the throughput asked on the user connections. Firewall must support at least 15 million concurrent sessions.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
111.	Vol -III, Section TR-8	TR 8.7 Page no 211	Firewall must support at least 250,000 connections per second with application detection enabled.	The asked number is very less in terms of the throughput asked which will limit to achieve the throughput asked on the user connections Firewall must support at least 400,000 connections per second with application detection enabled.	The RFQ cum RFP states minimum requirement. The Bidder is encouraged to provide solution as per best practices.
112.	Vol -III, Section TR-8	TR 8.10 Page no 211	Firewall must support 10 virtual firewalls from day one. Virtual firewall should offer separation up to the hardware level and allow to have different software version in each virtual firewall.	OEM specific and is only supported by single OEM request you to amend the same as suggested Firewall must support 10 virtual firewalls from day one	Refer to Corrigendum.
113.	Vol -III, Section TR-8	TR 8.16 Page no 211	In transparent mode firewall must support arp-inspection to prevent spoofing at Layer-2.	OEM specific clause. Request you to amend the same as suggested In transparent mode firewall must support Anti- spoofing.	As per Bidder's solution
114.	Vol -III, Section TR-8	TR 8.19 Page no 211	Firewall must support Nat66 (IPv6-to-IPv6) & Nat 64 (IPv6-to-IPv4) functionality.	there is no practical scenario and is not the part of NGFW, Not supported by all leading OEMs. Request you to delete the clause or amend as requested. Firewall must support Nat66 (IPv6-to-IPv6) & Nat 44 (IPv4-to-IPv4) functionality.	RFQ cum RFP prevails
115.	Vol -III, Section TR-8	TR 8.20 Page no 212	Firewall must have at least 3000 native application filters available from day 1.	The asked number is very less where application is the main part of NGFW request you to amend the same Firewall must have at least 7000 native application filters available from day 1.	RFQ cum RFP prevails
116.	Vol -III, Section TR-8	TR 8.42 Page no 212	The Solution Should be able to orchestrate with	OEM specific and is not a NGFW function.	As per Bidder's solution

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
		ge no 212	open stack.	Request you to delete	
117.	Vol -III, Section TR-8	New suggestion	Important missing point from the specification	As now days many applications keep on giving new versions as they find vulnerability in existing version there should be provision for blocking the specific versions of application not the whole application and allows business functions to work. This is a must to have function supported by all OEMs Solution should be able to provide granular policy creation such as outdated application version to be blocked or if AV is disabled no access to be given for internet, these attributes should be collected with a passive endpoint agent and sent back to the NGFW. There is should not be any license limitation on the agent deployment	RFQ cum RFP prevails
118.	Vol -III, Section TR-8	New suggestion	Important missing point from the specification	For such a large deployment this is must to have function as the DC might have many ISPs and there should not be limitations in terms of the appliance only supporting 2 even having these many ports Solution should allow connecting more than 5 ISPs on the appliance for load sharing & HA	RFQ cum RFP prevails
119.	Vol -III, Section TR-8	New suggestion	Important missing point from the specification	For ease of administration there should not be any dependency of going back to the local interface of firewall to just take backup or to configure routing on that and then configuring other policies from the central manager which is only	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				making it complex. This function is a must to have and is supported with all the leading OEMs, Central manager should provide backup and configuration of whole including policies, routing, IPS configuration.	
120.	Vol -III, Section TR-8	New suggestion	Important missing point from the specification	Many OEM later on ask for additional charges on the same, it is better to mention the clause to avoid such circumstances. There should not be any license limitation for client to site VPNs	RFQ cum RFP prevails
121.	Vol -III, Section TR-8	New suggestion	Important missing point from the specification	For better performance NGFW should be multi core processors which all leading OEMs provide. Should be based on multi core processors and not on proprietary hardware platforms like ASICs.	RFQ cum RFP prevails
122.	Vol -III, Section TR-8	New suggestion	Important missing point from the specification	Being production devices there should be redundancies for power supply and fans to avoid downtime. Appliance should have hot swap able redundant power supply along with field replace able fans	RFQ cum RFP prevails
123.	Volume III, 2.2.9 City's Integrated Operations Centre (CIOC)	232	Applications, Social Media and Web Browsers: Multiple software applications shall be a content input into the CIOC Systems. Social media will also be integrated to understand social sentiment;	What other applications shall be integrated with Command & Control center platform other than Social Media as content input under this clause. Kindly clarify.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
124.	Volume III, 2.2.9 City's Integrated Operations Centre (CIOC), FR 9.100	239	Smart city platform shall be capable of communicating with various types of sensors/devices and their management platforms/applications for single/multiple services irrespective of the OEM, software and applications that they support. Data exchange between various sensors and their management applications shall strictly happen using this platform making it one true source of data abstraction, normalization, correlation and enabling further analysis. Adequate security checks and mechanisms shall be provided as part of the platform to ensure data confidentiality and limit any unauthorized access.	<p>As per General practice, Data exchange between sensor & their management application happens directly as not all the data from third party sensors/systems/applications needs to be monitored at Command & Control Center platform. Only Critical data is required to be monitored & stored at C&C Center and same is accessed by C&C platform by integration with third party application software through API/SDK.</p> <p>C&C Platform shall push this stored critical data through API for future development requirement if any.</p> <p>Accordingly request to update the tender clause.</p>	RFQ cum RFP prevails
125.	Volume III, 2.2.3 City Surveillance with Automatic Traffic Counters and Classifiers (ATCC) and Automatic Number Plate Recognition (ANPR) Cameras,	61	Cameras pre-installed at various sites by EPC Contractor including Solid Waste Management sites, Sub-Station, of the city shall also be integrated with the CIOC.	Further, it is assumed that only viewing is required for such cameras at CIOC. Recording shall happen at respective VMS system already implemented for respective system. Please confirm.	Yes

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	2.2.3.2, Architecture				
126.	Volume III, 2.2.3 City Surveillance with Automatic Traffic Counters and Classifiers (ATCC) and Automatic Number Plate Recognition (ANPR) Cameras, Recording & Storage, FR 3.22	65	Failover Support - The system shall support automatic failover for Recording Servers. This functionality shall be accomplished by Failover Server as a standby unit that shall take over in the event that one of a group of designated Recording Servers fails. The system shall support multiple Failover Servers for a group of Recording Servers. Failover server shall be hosted at geographically redundant location i.e. Secondary PoP.	Please share the N:1 ration for Failover recording Servers.	RFQ cum RFP is clear
127.	Volume III, 2.2.3 City Surveillance with Automatic Traffic Counters and Classifiers (ATCC) and Automatic Number Plate Recognition (ANPR) Cameras, Video Management System, FR 3.11	64	The storage solution proposed is that the video feeds would be available for 30 days. After 30 days, the video feeds would be overwritten or archived unless it is flagged or marked by the Police or DMIC IITGNL for investigation or any other purpose. The video feeds of all relevant cameras capturing the incident in question would be stored until the Police	Please share the other recording parameters such as resolution & FPS.	TR 3.24 of Volume III of the RFQ cum RFP document shall be considered for recording parameters as well.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			or DMIC IITGNL deem it good for deletion.		
128.	Volume III, 2.2.9 City's Integrated Operations Centre (CIOC), TR 9.292	257	Mobility – It shall enable operators and the crew members to access the workflow task assigned to them and act using the native mobile application. They should be able to close the loop of workflow by acknowledging the real time status of action assigned to them.	Please share the no of field responder mobile app licenses required.	As per number of users specified in the RFQ cum RFP.
129.	Volume III, 2.2.9 City's Integrated Operations Centre (CIOC), TR 9.292	257	Historian - Platform shall have in-built function to store all platform related data for a user defined period of time;	Please share the no of days for which Smart city platform needs to store data in database.	RFQ cum RFP is clear
130.	Volume-III TR-8 Firewall	211 Clause TR 8.5	Firewall must support stateful inspection throughput minimum of 80 Gbps in Active-Active deployment or Active-Passive Deployment	Stateful inspection is a legacy term and all leading OEMs do not mention this in Next Gen Firewalls. The current age Next generation Firewall throughput is mentioned as threat prevention with the asked functionalities enabled to ensure that there is no degradation on throughput on enabling the security services and we get predictable performance We suggest to amend to for getting predictable performance and level play to all the leading OEM: Should provide 30 Gbps of Application based Next Generation Firewall throughput at ent mix/ app	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				mix traffic and at least 20 Gbps of performance with Firewall, application control, IPS, Anti-Virus, Anti-spyware, logging enabled at Appmix/ Enterprise mix traffic in a single device. The OEM must publish performance claims on public domain like websites, datasheets. Letter head performance claims will not be entertained.	
131.	Volume-III TR-8 Firewall	211 Clause TR 8.8	NGFW should support 3DES/AES IPSEC VPN throughput of 5 Gbps	Throughput capacity of VPN should not be in line with the performance of the device after enabling all the threat prevention features. Else the device will be a blocking device from day-1 We suggest to amend to for getting predictable performance: NGFW should support 3DES/AES IPSEC VPN throughput of 15 Gbps and at least 10000 IPSEC tunnel and 10000 SSL VPN clients from day-1	The RFQ cum RFP states minimum requirement. The Bidder is encouraged to provide solution as per best practices.
132.	Volume-III TR-8 Firewall	212 Clause TR 8.24	Firewall must have integrated redundant power supply	Common Redundancy feature of on field replacement of mechanical parts like Fan trays to maintain SLA asked in the smart city advisory. We suggest to include commonly failure parts like fan trays, Hard Disk The appliance should hot swappable and redundant Fan trays and Power Supply and 2TB Hard Disk in RAID1.	RFQ cum RFP prevails
133.	Volume-III TR-8	212 Clause TR	Firewall must be able to operate in Active standby	Active standby and Active Active mode are two different topology and	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Firewall	8.25	or active Active mode	both should be supported for flexibility. We recommend to change to: Firewall must be able to operate in Active standby, active Active and Clustering mode	
134.	Volume-III TR-8 Firewall	212 Clause TR 8.36	Firewall must support IPv4 and IPv6 static routing, OSPF, v2 & v3, PBR, PBR for BGP v4 & V6, IGMP v2 & v3	Please clarify if the PBR should be application based to meet smart city application policy-based routing	As per Bidder's solution
135.	Volume-III TR-8 Firewall		Missing on DoS and APT functionality as per smart city advisory	We request you to please add NGFW should have inbuilt protection against DOS/DDOS attack. The IPS should use exploit based as well as volume based /rate-based technique to prevent against DOS/DDOS attack to at least 10 Million FPS/ PPS on IMIX Traffic. NGFW should support Anti APT Advance unknown malware analysis capable of machine learning with static analysis and dynamic analysis engine with custom-built virtual hypervisor analysis environment and bare metal analysis from day-1 It should guarantee protection signature delivery time not more than 5 minutes post detection on SOC2 certified environment for customer data privacy protection	RFQ cum RFP prevails
136.	Volume-III TR-8 Firewall		OEM should have a track record of continuous improvement in threat detection and must receive "recommended" rating in	Request you to please amend to for better solution: OEM should have a track record of continuous improvement in threat detection and must receive	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			NSS Lab's on 9.0 methodology in 2019 NSS Labs comparative Next Generation Firewall Test Report	"recommended" rating in NSS Lab's NGFW Methodology v9.0 testing with a minimum NSS exploit library block rate of 99% and Exploit Block rate of 99%, 97% Evasion proof capability and min 97.5% Security Effectiveness.	
137.	Volume-III TR-8 Firewall		Missing important Parameters for security devices	To ensure quality of the utmost important security device it is suggested to include as included in other components of the RFP. OEM must be in the leader's quadrant of the enterprise firewall report for last five years.	RFQ cum RFP prevails
138.	Volume-III TR-8 Firewall		Missing important Parameters for security devices	2FA is an important aspect of any infrastructure and is required to be integrated with the NGFW. Please add: Must support SAML Based MFA support, SSL Decryption Broker/Web Traffic Tap capability. This may be done through add on license/software/device.	RFQ cum RFP prevails
139.	Volume-III TR-8 Firewall		Missing important Parameters for security devices	For all the security devices. The number of cores storage, memory plays a critical role in performance and are missing in firewall and IPS. We suggest to add The device should support at least 40 cores, 200 GB memory and 2TB storage in RAID1.	RFQ cum RFP prevails
140.	Volume-III TR-8 Firewall		Missing important Parameters for security devices	Credential theft and Phishing is the most common method of attack in current day. Please add: The NGFW should have native	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				protection against credential theft attacks(without the need of endpoint agents) with ability to prevent the theft and abuse of stolen credentials and the following : <ul style="list-style-type: none"> · Automatically identify and block phishing sites · Prevent users from submitting credentials to phishing sites · Prevent the use of stolen credential 	
141.			Missing Important Security parameter	Security in current age is as good as how do you configure, maintain and keep optimizing ahead of the threat or on the basis of threat trends. We recommend to add the threat intelligence tool to be included to add this functionality. Please refer the TAT sheet for basic technical capabilities of TAT.	RFQ cum RFP prevails
142.	Vol III - 2.2.4	Vol III- Page 80	Benefits to Investors/ Citizens	Since more than 90% of the traffic is going to be from outside world, the Portals/Applications become unavailable as soon as the link goes down. The provision should be made to allow access of portal through multiple links in active-active mode. Also, to ensure that outbound traffic can be routed through multiple Internet Links in High Availability making sure to utilize the entire bandwidth and ensuring reliability at the same time, the provision of a Link Load Balancer should be made. Hence, we recommend to add the Link Load Balancer Specifications in	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				the Technical Specifications as "The Link Load balancer must be proposed in High Availability using standard VRRP, which should be purpose-built, multi-tenant hardware capable of network function virtualization and to install and run third party and open source softwares on the same appliance from Day 1. The Appliance should have a minimum of 4x10GE SFP+. For high performance, the LLB should have 2 TB storage and 64GB RAM. The LLB should support minimum 10 Internet/MPLS links and load balance based on: 1. Round Robin 2. Weighted Round Robin 3. Bandwidth 4. Dynamic proximity. The LLB should also support advanced DNS functions such as handling complete Full DNS bind records including A, MX, AAAA, CNAME, PTR, SOA etc. from Day 1 with support for High availability (using RFC 2338 - Standard VRRP). The LLB and SLB should be from the same OEM for seamless integration and not the part of a Firewall/UTM."	
143.	Vol III - 2.2.4	Vol III- Page 80	Benefits to Investors/ Citizens	Web Application Firewall with server load balancers are essential element of any datacenter design today, as per cyber security guidelines from CERT, MEITY and MoUD, WAF should be included in all RMS solutions. it offer application	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				<p>availability, scalability and security functionality to ensure applications continue to work 24*7. Moreover, we have a revenue management system in the RFP and it is almost mandatory to have a load balancer helps to recover the application failures in defined SLA's. Also, it enhances the performance of application in real time by offloading SSL traffic. Keeping application availability and other security requirements under consideration its recommended to have load balancers for application load balancing and automatic DC/DR failover to meet RPO and RTO objectives.</p> <p>We request you to please add clause "Bidder to propose Web Application firewall in high availability using standard VRRP. WAF solution should be based on a multi-tenant appliance capable of hosting multiple network functions including capability to install and run third-party and open source softwares on the same appliance and provide specialized application threat protection. The appliance should support machine authentication on the basis of combination of HDD-ID, CPU-ID, OS Related Features, MAC ID on the same appliance. The Appliance should have 64 GB RAM and 2 TB</p>	

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				Hard Disk and support hosting a minimum of 8 Network Functions from Day 1."	
144.	Vol III - 2.2.4	Vol III- Page 80	Benefits to Investors/ Citizens	<p>As per Cyber security guidelines from MoUD, CERT, critical data needs to be classified and secured whether at rest or in motion. TO achieve a high security effectiveness, prevention of Data Leakage is of utmost importance. Hence, we request to add Data Leakage Prevention as a mandatory component with minimum Technical specifications as below:</p> <p>"Bidder to propose Data Leakage Prevention solution with built in data classification. The solution should be capable of "Segmentation of Duty" (SoD) based Enforcement of Information Security and the solution should enforce "Automatic Access Control" on Data and Information. The solution must be able to apply different policies to different employee groups. The solution should have a comprehensive Information Classification methodology that would be readily deployable. The solution MUST use automated policy mechanism and should have built-in Automated Policy Synthesis mechanism. The solution should be able to monitor and prevent Advanced Persistent Threats (APT)</p> <p>The solution should have Built-in</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				<p>Ontologies on International PII and PCI- DSS capabilities and has the ability to add or customized new Ontologies to cater to specific Government or Defense parameters. The solution should have rule or policy-based capabilities such as assigning access rights, restricting where users can store sensitive data, and so forth</p> <p>The solution should have Ability to detect and protect new or unseen documents, which content is similar to the data categorization which has been taught via data categorization. The solution should have Ability to detect scanned documents, which contains sensitive data in text form Support centralized administration. Ability to support network, storage and endpoint DLP from single console and the. The end point solution should inspect data leaks from all portable storage and to keep track of what data users are taking from and to their work computers on any kind of portable storage device. The end point solution must monitor and control various storage devices including USB flash 2 drives, CD/DVD, external HDD, card readers, Zip drives, digital cameras, smartphones, PDA, MP3 players, Bluetooth devices etc., End point DLP agent should support network offline mode to access a specific</p>	

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				<p>device when a client computer is disconnected from a network and The endpoint solution should encrypt information copied to removable media</p> <p>The end point solution should inspect data leaks from all portable storage and to keep track of what data users are taking from and to their work computers on any kind of portable storage device means what data is copied from USB storage devices. The End point should support windows OS, MAC, Linux, iOS and Android"</p>	
145.	Vol III - 2.2.4	Vol III- Page 80	Benefits to Investors/ Citizens	<p>As per cyber security guidelines from CERT, MEITY, MoUD, it is suggested to have a DDoS solution in place specially when the digital data will travel from multiple sources like water meters, electricity meters, etc. We suggest to incorporate DDOs solution to avoid service disruption. We suggest to include basic DDOS specifications as mentioned - "Bidder to propose Anti-DDoS solution in high availability using standard VRRP. The Anti DDoS module is expected to constantly monitor the behavior of the application visitors and prevent common application layer attacks. The proposed solution should detect and mitigate both traditional network- layer DDoS attacks and more advanced application layer</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				<p>attacks.</p> <p>The proposed solution should have the capability to be configured in detect as well as protect mode.</p> <p>The proposed solution should prevent suspicious outbound traffic for threats and blocking malicious traffic.</p> <p>The proposed solution must support the ability to blacklist a host, domain, URL</p> <p>The proposed solution must provide the ability to block bot-originated traffic according to system- supplied signatures</p> <p>Should have dedicated SSL card to support Minimum 14,000 ECC TPS (ECDSA-SHA256) & 20,000 RSA SSL TPS on 2K Keys</p> <p>The DDoS solution should be a dedicated hardware with dual power supply. The appliance should have 8 X 1G ports and future support for 10G ports."</p>	
146.	Volume 3, BR 8.7	239	Only Meity Empanelled cloud providers shall be allowed to provide cloud hosting services for this project Deployment model of the cloud shall be Government community cloud	<p>There are different deployment models that are empaneled by MeitY and it is not mandatory for the CSPs to get empaneled for the Government Community Cloud.</p> <p>Since the solution is looking for leveraging Virtual Private Cloud, RFP should select the CSP who is empaneled by MeitY (and audited by STQC) for offering Virtual Private Cloud Deployment Model.</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
147.	Volume 3, BR 8.10	240	Hosting infrastructure shall be fully secure with no scope of data breach/leaks/thefts/data mining/privacy breach etc.	Please ReWord Cloud solution shall be fully secure with no scope of data breach/leaks/thefts/data mining/privacy breach etc. (limited to incidents attributable to CSP or MSP) because Such breaches can originate from Client or their SI also for no fault of CSP or MSP.	RFQ cum RFP prevails
148.	Volume 3, TR 8.198	244	Cloud services shall be certified by third party for ISO 9000, ISO 27001, ISO 20000	<p>Suggested Clause: The Cloud Services offered by the CSP should be certified for ISO 27001 (latest version) Clause as per the CSP Empanelment Application published by MeitY. As per the recently revised CSP Empanelment Application published by MeitY, ISO 27017 and ISO 27018 are new standards that the CSPs have to comply with.</p> <p>Further, as per MeitY's guidelines to Government Departments on Adoption / Procurement of Cloud Services (Section 4.2 Security – Shared Responsibility):</p> <p>Departments also need to ensure that the CSPs facilities/services are certified to be compliant to the following standards:</p> <p>a. ISO 27001 - Data Center and the cloud services should be certified for the latest version of the standards</p> <p>b. ISO/IEC 27017:2015-Code of practice for information security</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				controls based on ISO/IEC 27002 for cloud services and Information technology c. ISO 27018 - Code of practice for protection of personally identifiable information (PII) in public clouds. d. ISO 20000-9-Guidance on the application of ISO/IEC 20000-1 to cloud services	
149.	Volume 3, FR 8.22	241	DRC Cloud infrastructure solution shall be offered from Physical apart datacenter (Primary and DRC) in India to provide business continuity with no interruptions	Kindly re-word the DRC and DC to be offered from physically part Datacenter and have synchronous replication to achieve active-active, highly available and reliable application architecture to provide business continuity with no interruptions	RFQ cum RFP prevails
150.	Volume 3, FR 8.3	240	The solution shall have security features out of the box	Please re-word the Security requirement from Cloud provider, because some of the security solutions not available natively on cloud and that need to be considered additionally by 3rd party solution for example SIEM.	RFQ cum RFP prevails
151.	Volume 3, Section-3.2.10.4	310	CSP shall make these reports available to customers via secured portal.	Suggested Clause: MSI/CSP shall make these reports available to customers via secured portal.	RFQ cum RFP prevails
152.	Volume 3, FR 4.1355	191	Anywhere Access: Application shall be deployed on state government cloud to enable anytime, anywhere access and to address auto sync/save, efficiency and peak load handling	Suggested Clause: Anywhere Access: Application shall be deployed on state government/public cloud to enable anytime, anywhere access and to address auto sync/save, efficiency and peak load handling issues.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			issues.		
153.	Volume 3, TR 8.195	225	Direct peering with large TSPs in India for speedy and efficient delivery of content to all users accessing the service from various devices on various network providers.	Suggested Clause: High speed direct/partner facilitated connectivity with large TSPs in India for speedy and efficient delivery of content to all users accessing the service from various devices.	RFQ cum RFP prevails
154.	Evaluation Criteria	Page No: 52 of Volume-I Clause 1.1,1.2, 1.4	Experience Eligibility Criteria	In order to secure the required marks bidder can consider/show the same project as relevant experience in different PQ-Eligibility Criteria. Pls confirm	RFQ cum RFP is clear
155.	Evaluation Criteria	Page No: 52 of Volume-I Clause 1.3	Experience Eligibility Criteria	Bidder is already implemented software applications including modules like Finance, Human Resource and Payroll, Utility Billing, Asset Management, Mobile Applications, File Management System/Document Management System etc for their own campus. Whether this experience can be considered against this criterion. Please confirm.	No
156.	Evaluation Criteria	Page No: 53 of Volume-I - Clause 1.2	The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation of campus wide / city-wide Fibre Optic Infrastructure including at least 100 km or comprising of 75 switches/routers in an outdoor environment (not	Can we merge the quantity of switches & Routers of single project to meet 75 No's (Example: 50 No's Switches+25 No's Routers total 75 No's). Please confirm	Yes

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			inside buildings) per project having a minimum value of INR 5 crores per project during last seven (7) years as of RFQ cum RFP publish date		
157.	Tender Fee Clause	Page no 51 Clause 22.1	Bid documents processing fee of INR 1,18,000 (Indian Rupees One Lakh Eighteen Thousand Only) inclusive of applicable GST as a non-refundable processing fee shall be paid through NEFT/RTGS in favor of the DMIC Integrated Industrial Township Greater Noida Limited (DMIC IITGNL).	Request to allow bidder to submit the Tender Fee through "Demand Draft" in favor of the DMIC Integrated Industrial Township Greater Noida Limited (DMIC IITGNL).	RFQ cum RFP prevails
158.	General Query	General Query	General Query	We are a Defence PSU. As per DPM-16 EMD is not required to be submitted by those Bidders who are registered with the Central Purchase Organization (e.g. DGS&D), National Small Industries Corporation (NSIC) or any Department of MoD or MoD itself. Kindly confirm whether this will be applicable to this project.	RFQ cum RFP prevails
159.	General Query	General Query	General Query	The Client shall check the original EMD, PoAs, Blacklisting Certificates, Non-Disclosure Declaration and Joint Bidding Agreement documents at the time of Bid Opening. Failure to have any of these documents in original at the time of the Proposal Opening may make the proposal	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				non-responsive. Kindly confirm what are documents needs to be submitted as hard copy before bid opening.	
160.	General Query	General Query	General Query	Department for Promotion of Industry and Internal Trade (DPIIT) under Ministry of Commerce and Industry, Government of India issues the revision of Public Procurement (Preference to Make in India), Order 2017 on 4th June 2020. The notification is enclosed for your kind reference. Kindly confirm whether this guideline will be applicable to this Project. This will have an impact on selection of Manufacturer.	Refer to Corrigendum
161.	General Query	General Query	General Query	Also Public Procurement Division, Department of Expenditure, Ministry of Finance, Government of India has put certain restrictions under rule 144 (xi) of the General Financial Rules 2017. The office Memorandum for the same is F. No. 6/ 18/2019 – PPD dated 23rd July 2020. A copy of the same is enclosed for your kind reference. Kindly confirm whether this guideline will be applicable to this Project.	Refer to Corrigendum
162.	General Query	General Query	General Query	Please confirm the applicability of DPIIT Office Order dated 4th June 2020 and Ministry of Finance OM dated 23rd July 2020 for this bid as the same will impact responses of bidders significantly.	Refer to Corrigendum
163.	General Query	General Query	General Query	Kindly clarify the following:	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				<ol style="list-style-type: none"> 1. During project implementation, if any quantity variation in the items mentioned in the price format during bidding time then whether the extra quantity will be paid at actual or bidder has to absorb the variation in the quantity. 2. During project implementation, if any additional item is required which is not mentioned in the BOQ but required to complete the project then whether this additional item will be paid at actual or bidder needs to absorb. 	
164.	Vol III CIOC	Page 260 FR 9.125	The platform shall integrate with video analytics for integrated monitoring at the time of crises.	As per our understanding, third party Video Analytics solution has to be integrated with CIOC platform. Pls confirm.	RFQ cum RFP is clear
165.	Vol III CIOC	Page 260 FR 9.125	The platform shall support disaster response drills;	Request to define all the use cases for disaster response drills.	RFQ cum RFP is clear
166.	Vol III CIOC	Page 260 FR 9.135	The platform shall integrate with SMS, e-Mail and WhatsApp gateway to automatically trigger necessary communication to concerned personnel in case of events, alarms etc.	<p>Request you revised this clause as " Bidder shall provide and integrate enterprise cloud based Instant messaging solution with CIOC platform to trigger communication to concerned personnel incase events, alarms etc."</p> <p>Justifications: -Integration with Enterprise class Instant Messaging tool will ensure secure seamless communication between various stockholder.</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
167.	Vol III CIOC	Page 253 FR 9.121	The overall work shall be in reference to standards published as per ISO 37120, ISO 37122 and Word Council of City Data (WCCD).	Our understanding, this clause is applicable for overall project design and Smart City Platform software is not applicable for same.	RFQ cum RFP prevails
168.	Vol III CIOC	Page 260 FR 9.125	The platform shall be capable of managing crisis situations such as area healthcare administration and assessment, natural disasters like earthquakes, various epidemic/pandemics such as Covid-19, dengue etc., environmental and industrial disruptions/calamities;	Request to define use cases for Covid-19, dengue etc., environmental and industrial disruptions/calamities.	RFQ cum RFP prevails
169.	Vol III CIOC	Page 233 BR 9.6	Data Acquisition via Dynamic Data Exchange (DDE) and for Process Control (OPC) along with other proprietary transports	This is restricted clause for integration as everything cannot be DDE/OPC and proprietary. Hence Request to change the clause as "Data Acquisition via Dynamic Data Exchange (DDE) and for Process Control (OPC) along with other proprietary and open standard transports" for wider OEM participation.	RFQ cum RFP prevails
170.	Vol III CIOC	Page 234 FR 9.11	The platform shall receive direct feeds and raw data from the IIT City Systems	We understand that all feed and data will be provided via APIs and video streams via RTSP and integration studio should have self-serve capabilities. Kindly clarify.	RFQ cum RFP is clear
171.	Vol II, H 43	page no 41	All software licenses and applications specific to this project shall be provided	Believe this clause is in relation to the software delivered on premise for desktops etc. Application	Refer to Corrigendum

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			with perpetual, royalty free licenses	delivered over cloud normally in subscription model only with right to use licenses. Please clarify specially for the context of Smart City Platform Application.	
172.	Vol III CIOC		Additional Clause	Proposed Smart City Platform/Software provider/OEM should be global Member of Smart Cities Council & Navigant Research Report for Smart Cities Suppliers and appear in leader quadrant of Navigant Research Report in last 3 years. Justification :- This clause will help DMIC to ensure that only proven, tested and deployed Smart City CIOC platform is selected.	RFQ cum RFP prevails
173.	Vol III CIOC		Additional Clause	Proposed CIOC/Smart City Platform should have been deployed in 10+ project globally and also at least 3 deployments in India- Justification: - This clause will help DMIC to ensure that only proven, tested and deployed Smart City CIOC platform is selected.	RFQ cum RFP prevails
174.	Vol III CIOC		Additional Clause	Proposed ICCS software comprising of Pre-Integrated Visualization layer & Normalization/IOT platform should be deployed in at least 1 city in India operational for more than a year with 5 city services/ use cases (Lighting, Parking, Waste Management, Environment, Video Surveillance)- Justification :- This clause will help DMIC to ensure that only proven,	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				tested and deployed Smart City CIOC platform is selected.	
175.	Vol III CIOC		Additional Clause	The Platform OEM should also be adhering to International standards for Cloud Security and Secure Operations of Software on Cloud such as ISO 27034, FIPS/USGv6, TCG (operational Requirement) Justification: - This clause will help DMIC to ensure that only proven, tested and deployed Smart City CIOC platform is selected.	RFQ cum RFP prevails
176.	Vol III, Type I - Industrial Grade Field Switch	Page No 54	The Industrial Grade Switch installed at the field shall have at least eight (8) 1000BaseTX ports with two 1 G fibre ports scalable up to 10G in future for backhaul (uplink) connectivity. The PoE/PoE+ feature may also be provided via industrial grade PoE/PoE+ injectors for these switches	Industrial switches will be deployed in a Access Layer where uplink with 1 GPBS is sufficient to meet the requirement. Asking 10G at Access layer will increase cost of the project. Requesting to remove 10G scalability and to modify the clause as "The Industrial Grade Switch installed at the field shall have at least eight (8) 1000BaseTX ports with two 1 G fibre ports (uplink) connectivity. The PoE/PoE+ feature may also be provided via industrial grade PoE/PoE+ injectors for these switches "	RFQ cum RFP prevails
177.	Vol III Distribution Switch	Page No 54	Switch should be supplied with minimum 6 x 40 G fibre port from day 1	Pls modify the clause as "Switch should be supplied with minimum 4 x 40 G fibre port from day 1 and scalable up 100G in future " As per architecture 2 x 40G port will be used to create ring and additional 2 ports will sufficient for future scalability. Kindly modify ths clause.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
178.	Vol III Distribution Switch	Page No 55	Shall have Ethernet OAM (IEEE 802.3ah) management capability	Please Remove the clause as this standard is only applicable for carrier grade network/Products. Kindly remove to allow lead bidder to participate.	RFQ cum RFP prevails
179.	Vol III Core Switch	Page No 58	The switch should have 500K IPV4 and 500K IPv6 Routes	Please change the clause as "The switch should have 200K IPV4 and 200K IPv6 Routes" Product sizing varies between OEM and we understand that considering current requirement, 200K routes are sufficient to meet the project requirement.	RFQ cum RFP prevails
180.	Vol III Core Switch	Page No 59	Shall have Ethernet OAM (IEEE 802.3ah) management capability	Please Remove the clause as this standard is only applicable for carrier grade network/Products. Kindly remove to allow lead bidder to participate.	RFQ cum RFP prevails
181.	Vol III Core Switch	Page No 59 TR 1.296	Switch should be supplied with minimum 10 x 40 G fibre port	Please modify the clause as "Switch should be supplied with minimum 10 x 40G fibre port and scalable up 100G in future" With reference to RFP architecture, Core Layer should have 100G scalability for future expansion. We request to you to revise this point to meet project architecture design,	RFQ cum RFP prevails
182.	Vol III L2 Switch	Page No 62 TR 1.444	Switch shall have minimum 16K MAC Addresses and 4000 active VLAN.	please change the clause as "Switch shall have minimum 16K MAC Addresses and 1000 active VLAN" as Product sizing varies from OEM and hence suggested vlans are sufficient to meet the requirement for Layer 2 switch.	RFQ cum RFP prevails
183.	Vol III L2 Switch	Page No 62 TR 1.432	Shall support up to 4,000 IEEE 802.1Q-based	please change the clause as "Shall support up to 1,000 IEEE 802.1Q-	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			VLANs	based VLANs" as Product sizing varies from product and hence suggested vlans are sufficient to meet the requirement for Layer 2 switch.	
184.	Vol III Core Router	Page 60 TR 1.367	Router shall support minimum non-blocking capacity of 800 GbpS & 1.2 BPPS	Please modify the clause as "Router shall support minimum non-blocking capacity of 6 Tbps (full duplex) & 1.2 BPPS " Considering day-1 and future interface & performance requirement, Throughput of the router is very less for non-blocking architecture. Kindly modify the clause for future scalable network.	RFQ cum RFP prevails
185.	Vol III Core Router	Page 60 TR 1.378	Shall support MPLS Provider/Provider Edge functionality. MPLS VPN, MPLS mVPN (Multicast VPN), Carrier Supporting Carrier (CSC), DiffServ Tunnel Modes, MPLS TE (Fast re-route), DiffServ-Aware TE, Inter-AS VPN, Resource Reservation Protocol (RSVP), VPLS, VPWS, Ethernet over MPLS, CESoPSN and SAToP as per RFC 4553	Please remove RFC 4553 as this is only applicable in TDM architecture. Kindly modify the clause as "Shall support MPLS Provider/Provider Edge functionality. MPLS VPN, MPLS mVPN (Multicast VPN), Carrier Supporting Carrier (CSC), DiffServ Tunnel Modes, MPLS TE (Fast re-route), DiffServ-Aware TE, Inter-AS VPN, Resource Reservation Protocol (RSVP), VPLS, VPWS, Ethernet over MPLS , BGP-LS, Segment Routing, and Segment Routing Traffic Engineering (SR-TE), EVPN, Segment Routing for IPv6, On demand next hop ,Any cast SID"	RFQ cum RFP prevails
186.	Vol III Core Router	Page 60 TR 1.416	Minimum 6 x 40G fibre port from day 1 and scalable 6 X 100G in future.	Kindly modify the clause as "Minimum 4 x 40/100G fibre port loaded with 40G transceiver from day 1 " As per architecture, 4 x 40G ports	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				will meet the as per architecture requirement. Also, 100G port scalability should be provided from day -1 to avoid any additional Line card Hardware procurement in future. This will help to achieve scalability by changing transceivers modules only. This will optimize the overall cost of router.	
187.	Vol III Core Router	Page 60 TR 1.370	Router should have 16K multicast routes.	Kindly modify the clause as "Router should have 64K multicast routes", Multicast Routes is important features in Video Surveillance Setup. Current Multicast route are very less to meet the future scalability when there will be increase in cameras.	This is minimum requirement.
188.	vol III, TR-8 Firewall	Page No 212	Firewall must have at least 3000 native application filters available from day 1.	Please change it to "Firewall must have at least 3000 native application filters and 40,000 high fidelity pre-defined IPS signatures (excluding custom signatures) available from day 1" IPS is the backbone of NGFW and thus as a bare minimum the IPS functionality should be available from day 1 for building next gen secure setup.	RFQ cum RFP prevails
189.	vol III, TR-8 Firewall	Page No 211	Firewall must support at least 5 million concurrent sessions.	Please change it to "Firewall must support at least 25 million concurrent sessions with application detection enabled" 5 Million sessions for a 80Gb firewall is on the lower side thus requesting to increase the number of concurrent connections.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
190.	vol III, TR-8 Firewall	Page No 211	NGFW must support 3DES/AES IPsec VPN throughput of at least 5Gbps.	Please change it to "NGFW must support 3DES/AES IPsec VPN throughput of at least 10Gbps" VPN requirement has increased drastically these days thus to ensure that firewall can cater to changing requirement it is recommended to have a higher VPN throughput.	The RFQ cum RFP states minimum requirement. The Bidder is encouraged to provide solution as per best practices.
191.	vol III, TR-8 Firewall	Page No 212	Firewall must support IPv4 & IPv6 static routing, OSPF v2 & v3, PBR, PBR for BGP v4 & v6, IGMP v2 & V3.	Please change it to "Firewall must support IPv4 & IPv6 static routing, OSPF v2 & v3, PBR, BGP v4 & v6, IGMP v2 & V3". PBR works on deploying policies based on source, destination, port, protocol which is in depended to routing protocol. Thus, requesting for the change.	As per Bidder's solution
192.	Vol III, Enterprise Management Software (EMS)	RFP Page No 44	Application Performance - Monitoring, Management & Reporting	In today complex IT landscape and also as per standard industry practice "Application Performance Management Tools" are not considered as part EMS tool and treated as standalone tool since application performance and related SLA becomes utmost important for the project, so putting Application Performance tool under EMS section would restrict world leading APM OEM's to participate. So considering that please remove APM section from EMS tool and it should be treated as separate APM tool section. PI clarifies.	RFQ cum RFP prevails
193.	Vol III, Enterprise Management Software (EMS)	RFP Page No 46	System and Database Performance	Same as Above, Database Performance is also Part of APM stack. So pl remove this section	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				from EMS and it should be treated as separate section under APM.	
194.	Vol III - TR 9.84 VIDEO CONFERENCING (VC) SYSTEM	Page No 266	The VC system should have the following capabilities - whiteboarding, annotation, application sharing from computer/tablet. All shall be included as part of comprehensive and collaborative video session	We request you to delete white boarding and annotation to allow lead OEM to participate	RFQ cum RFP prevails
195.	Vol III - TR 9.89 VIDEO CONFERENCING (VC) SYSTEM	Page No 266	The VC system shall be operational in temperature between ten degrees Celsius (10°C) to forty degrees Celsius (40°C).	We request you change the temperature from ten degrees Celsius (10°C) to thirty degrees Celsius (30°C) and modify the clause as "The VC system shall be operational in temperature between ten degrees Celsius (10°C) to forty degrees Celsius (30°C).	RFQ cum RFP prevails
196.	Vol III ON PREMISE PHYSICAL SERVER	Page 246	A sufficient number of physical servers shall be provided such that their CPU, RAM, and other key server component performance do not exceed 50% utilization individually.	Request to allow Bidders to quote a mix of physical or virtual servers as per MSI solution. Bidders can reduce server Quantity drastically if Virtualization is allowed. Please change the clause as "A sufficient number of physical/Virtual servers shall be provided such that their CPU, RAM, and other key server component performance do not exceed 50% utilization individually."	RFQ cum RFP prevails
197.	Vol III ON PREMISE PHYSICAL SERVER	Page 246	The Server chassis shall be rack mountable and include rack mounting hardware. The chassis should support Compute and storage sleds.	Storage sleds are typically used for Storage blade model which is not the case here. Request to kindly update this point for clear understanding. Please modify the clause as "The Server chassis shall	As per Bidder's solution

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				be rack mountable and include rack mounting hardware. The chassis should support Compute and storage Bays"	
198.	Vol III ON PREMISE PHYSICAL SERVER	Page 246	The central system server shall have a hot standby to mitigate any risk of failure in central system which halts the system performance.	Please modify the clause as "The central system servers shall have one hot standby server to mitigate any risk of failure in central system which reduces the system performance." As With the current specification, understanding is to provide redundancy for each provided server. This will increase the Server TCO multifold. With virtualization, in case of a Node failure there is a functionality of High Availability (HA) which ensure that any failure would not halt the solution.	RFQ cum RFP prevails
199.	Vol III ON PREMISE PHYSICAL SERVER	Page 246	Server shall be designed to provide a fully redundant and fault tolerant system and shall be available for 99.99% or greater. The unscheduled down time shall be less than 0.01%.	With the current specification, understanding is to provide redundancy for each provided server. This will increase the Server TCO multifold. Request to define the Redundancy requirement at I/O card level. Please modify the clause as "Server shall be designed to provide a fully redundant System w.r.t I/O cards. "	RFQ cum RFP prevails
200.	Vol III ON PREMISE PHYSICAL SERVER	Page 246	The Server Management Software shall provide role-based security along with pre-failure warning for: CPU; Memory, HDD	Request to include industry Next generation Management functionalities for more secure and reliable server Operations. please change the clause as "The Server Management Software shall provide real time Real-time out-of-band	Minimum requirements have been provided.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				hardware performance monitoring & alerting, HCL, anti-counterfeit, self-updating firmware system using AI/ML, role-based security along with pre-failure warning for: CPU; Memory, HDD"	
201.	Volume III	82	FR 3.6 All cameras should support video content analysis.	Is edge-based analytics mandatory? We can provide analytic from software as well. Pls confirm.	RFQ cum RFP is clear
202.	Volume III	95	TR 3.18 For PTZ Cameras lens should be 6mm~129 mm with 30X optical Zoom	Note 6~129 results in 20X zoom. Kindly confirm 30X optical Zoom or 20X optical Zoom is required.	30X optical zoom is required. RFQ cum RFP states minimum requirement and Bidder shall propose minimum focal length as part of the solution to meet maximum focal length requirement as per specified criteria.
203.	Volume III	247	MSI shall provide unified storage for storing video data for 30 days.	Kindly confirm what should be recording parameters such as Compression technology, recording resolution, Recording FPS, Recording bit rate etc. Suggested will be 15 fps with 2MP resolution and 1500 kbps for 30 days.	TR 3.24 of Volume III of the RFQ cum RFP document shall be considered for recording parameters as well.
204.	Volume III	84	Video Management system	Should we consider equal no of camera qty for VMS licenses OR future provision such as 10%, 20% etc. to be considered. Pls confirm.	Refer to Corrigendum
205.	Volume III	83	Cameras with built in analytics	Is analytics to be provided for all cameras including PTZ. Pls confirm.	RFQ cum RFP is clear
206.	2.2.4 IIT Software Modules (ISM) Volume III	80	DMIC IITGNL Corporate Website – there is an existing website www.iitgnl.com which will	What is technology stack of existing website?	PHP 7.0 and MYSQL 5.6

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			be revamped as part of this Project		
207.	2.2.4 IIT Software Modules (ISM) Volume III	80	Back office Systems: Comprising of Finance and Accounts, Purchasing, budgeting, contract management system, Asset Management, water connection, Billing, Maintenance, Projects, Stores, HR, Administration and Payroll; Legal, Secretarial and a File management system	Is there an existing ERP system in place or all part of new development? If not, what is the existing system for backend process?	RFQ cum RFP is clear
208.	2.2.4 IIT Software Modules (ISM), PROPOSED MODULES Volume III	81	25) Dongle based e-Signature Solution	How many such digital signatures needed? Approximate number of users who need digital signature?	RFQ cum RFP is clear on number of users
209.	2.2.4 IIT Software Modules (ISM), PROPOSED MODULES Volume III	82	Award of land will be carried out using e-land management system which is currently under implementation. Customer master details,	Does e-land management system have GIS modules and maps included? Technology stack of the same?	No. PHP 7.0 and MYSQL 5.6
210.	BR-4 Business Requirement, BR 4.19 Volume III	86	iOS and Android Mobile application for applications that are required as part of this solution shall be implemented. However, the exact list of applications for which mobile application shall be developed shall be decided by the Client.	Does it have to native or hybrid development? Are they going to be deployed in app stores? If so, who will provide app store account?	Refer to Corrigendum

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
211.	BR-4 Business Requirement, BR 4.20 Volume III	86	ISM shall have dashboards shall be capable of receiving input data from different systems, subsystems and software applications on a real-time basis.	Assuming Input data from systems related to project. If any external system, How many such system are there and who will provide API for same?	RFQ cum RFP is clear. Data conversion, if required shall be within the scope of MSI
212.	BR-4 Business Requirement, BR 4.27, CHATBOT SOLUTION Volume III	86	The main objectives of the Chatbot are as per following:	Does it have to be live chatbot and how many users shall access chatbot for replying queries?	RFQ cum RFP is clear
213.	BR-4 Business Requirement, BR 4.28, CHATBOT SOLUTION Volume III	86	The Chatbot will use the following channels for interaction: • Corporate website; • Social media accounts like Facebook and Twitter (as applicable);	Does Social media mediums chat need to be integrated with Chatbot?	Yes
214.	FR - 4 Functional Requirement Workflow and File Management System FR 4.72 Volume III	91	The system will provide BARCODE/RFID Integration and Social and Mobile Extensions to enhance responsiveness and accessibility.	Assuming it is just integration whereas the infrastructure part of it shall be taken care by DMIC	Capability should be available to support required integrations.
215.	FR - 4 Functional Requirement Workflow and File Management System FR 4.75 Volume III	91	The system shall support the functionality for digital signatures.	Assuming scope is limited to integration of digital signature alone	RFQ cum RFP is clear
216.	2.2.4.2 GIS Volume III	92	The GIS work will include preparation of base-map, overlaying the existing CAD layers on it and	Is there any existing GIS module that can be considered for reference or the work has to be from scratch?	No

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			conducting a survey for viewing the city in 2D as well as 3D. The detailing has to be comprehensive and detailed up to roads, plots and other common infrastructure etc.		
217.	2.2.4.3 Enhancement of Website Volume III	105	The website is expected to be revamped to world class standards and follow Government of India guidelines for websites	Assuming the content in both English and hindi shall be provided by DMIC	Content needs to be curated by MSI based on inputs given by DMIC IITGNL
218.	2.2.4.7 Website FR 4.306 Volume III	116	The technology infrastructure required at the health center shall be provided by the respective institute but the necessary integration with e-governance shall be a part of the Project.	How many such health centers need to be integrated? Who will coordinate the necessary integration procedures?	Details will be shared with successful Bidder. MSI shall coordinate for integrations.
219.	3.2.4 IIT Software Modules (ISM) General Volume III	286	Design/Develop/Configure/customize ISM Components as per the RFQ cum RFP. Each software module must have a mobile application with iOS and Android version	Each individual module should have a mobile application or common mobile application for all modules?	RFQ cum RFP prevails
220.	3.2.4 IIT Software Modules (ISM) General Volume III	286	ISM shall support integration with the Aadhar card and other government initiatives. It shall also support integration with digital signature	Assuming digital signature integration alone, Infrastructure required like dongles for digital signature will be arranged by DMIC	RFQ cum RFP is clear
221.	3.2.4 IIT Software Modules (ISM)	286	Data extraction, preparation and migration	Kindly elaborate on data extraction sources?	MSI to assess the legacy data required to

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	General Volume III		of data to the productive systems		be migrated
222.	3.2.4.3 ISM Project Requirements: Volume III	291	Each release must be complete in all functional aspects. Third part integration like payment gateway, SMS gateway, WhatsApp and email integration, if required, must be provided as per the RFQ cum RFP.	Are there existing SMS, email and payment gateways? Whose responsibility is to provide the same?	RFQ cum RFP is clear
223.	3.2.4.3 ISM Project Requirements: Volume III	293	At present, it is envisaged to scan, index and migrate 75,000 pages from manual files to the file management system. In addition, MSI is expected to enter approx. 1000 historical transactions since 2014 from Tally to the proposed Finance module of ISM.	Who is responsible for infrastructure of Scanning? Man power required for scanning and indexing has to provide by bidder?	Scanning and migration is in MSI scope. RFQ cum RFP is clear
224.	3.2.4.3 ISM Project Requirements: Volume III	293	End-User Training: The MSI is expected to conduct role-based training (with the authorizations for each role and/or user activated) to facilitate user adoption of ISM	How many users need to trained? Does all the users need to be trained at one single location or multiple locations? How many training sessions are needed and who will provide infrastructure needed for training?	RFQ cum RFP is clear
225.	3.2.4.8 Interfaces Volume III	298	MSI is required to propose a composite solution for integration which is SOA and BPM enabled.	Does DMIC help in providing API for integration that comes in future that are not envisaged or the bidder has to provide API for integration?	API development is in scope of MSI
226.	BR 3.7 Vol III	81	ATCC and ANPR shall be integrated with the CIOC to monitor and provide live	ANPR and ATCC system can give the real time report of the events and counts and analytics happens at	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			feed to the videowall installed at CIOC	the edge. Is Live Video feed required in such cases?	
227.	BR 3.10, Vol III	81	The Variable Messaging Display (VMD) shall be installed at strategic locations as per the site requirements. It shall be integrated with the following ICT Components envisaged for the city: - Environment sensors - City Surveillance - Transportation and Traffic	The systems are desired to be integrated with the Transportation and Traffic System. Does it mean integration with any crowd sourced GPS data and whether APIs would be provided for the same?	RFQ cum RFP is clear
228.	TR 3.29, Vol III	96	The system shall have the facility to monitor the traffic data, events, and viewing maps through the graphical user interface, it is possible to create maps in order to have an overview of all installed sensor systems. By Double clicking on a camera, to get live streaming video from the selected sensor. There shall be an event stack which can group all traffic data and traffic events	FR 3.130 Mentions use of "Any proven non-intrusive technology for counting and classifying the vehicles". Apart from a video based ATCC system, getting live video would not be possible using other standard non-intrusive system.	RFQ cum RFP prevails
229.	GCC 40.1, Vol II	75	Subject to the provisions of GCC Clause 40, the Client shall pay the Contract Price to the MSI according to the categories and in the manner specified below. The Total Contract Price	We seek support on the payment terms and request the terms to be revised as below Subject to the provisions of GCC Clause 40, the Client shall pay the Contract Price to the MSI according to the categories and in the manner	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<p>shall be categorized as:</p> <p>I. Supply and Installation Cost: System Supply & Installation Cost (for providing the smart city ICT components and achieving Operational Acceptance), which includes all the costs up to the Operational Acceptance;</p> <p>II. Recurrent Cost: Total of all Annual Recurrent Costs during Comprehensive Maintenance/AMC Phase (DLP/Warranty Period and Post-Warranty Service Period).</p> <p>Total Contract Price = Supply and Installation Cost + Recurrent Cost</p> <p>Within each such category, the Contract Implementation Schedule may trigger partial payments for the portion of the total Contract Price for the category corresponding to the goods or services actually Delivered, Installed, or Operationally Accepted, at unit prices and in the currencies specified in the Price Schedules of the Contract Agreement.</p>	<p>specified below. The Total Contract Price shall be categorized as:</p> <p>I. Supply and Installation Cost: System Supply & Installation Cost (for providing the smart city ICT components and achieving Operational Acceptance), which includes all the costs up to the Operational Acceptance;</p> <p>II. Recurrent Cost: Total of all Annual Recurrent Costs during Comprehensive Maintenance/AMC Phase (DLP/Warranty Period and Post-Warranty Service Period).</p> <p>Total Contract Price = Supply and Installation Cost + Recurrent Cost</p> <p>Within each such category, the Contract Implementation Schedule may trigger partial payments for the portion of the total Contract Price for the category corresponding to the goods or services actually Delivered, Installed, or Operationally Accepted, at unit prices and in the currencies specified in the Price Schedules of the Contract Agreement.</p> <p>I. Supply and Installation Cost (SIC)</p>	

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP		Clarification sought		Reply
			I. Supply and Installation Cost (SIC)				
			Milestone / Activity / Deliverables	Payment (% of Contract Price: C)	Milestone / Activity / Deliverables	Payment (% of Contract Price: C)	
			Mobilization advance against submission of 110% Additional Bank Guarantee (BG) of the amount of mobilization advance*	10% of C	Mobilization advance against submission of 110% Additional Bank Guarantee (BG) of the amount of mobilization advance*	10% of C	
			Supply of Equipment at site for Phase 1 and Phase 2	5% of C	Supply of Equipment at site for Phase 1 and Phase 2	15% of C	
			Supply of Equipment at site for Phase 3 and Phase 4	5% of C	Supply of Equipment at site for Phase 3 and Phase 4	15% of C	
			Approval of Detailed Project	5% of C	Approval of Detailed Project Report (DPR)	10% of C	

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP		Clarification sought		Reply
			Report (DPR)				
			Go-Live and Operational Acceptance of Phase 1	10%	Go-Live and Operational Acceptance of Phase 1	5%	
			Go-Live and Operational Acceptance of Phase 2	10%	Go-Live and Operational Acceptance of Phase 2	5%	
			Go-Live and Operational Acceptance of Phase 3	10%	Go-Live and Operational Acceptance of Phase 3	5%	
			Go-Live and Operational Acceptance of Phase 4	5%	Go-Live and Operational Acceptance of Phase 4	5%	
			End to end Go-Live with any bug fixing over three	10%	End to end Go-Live with any bug fixing over three months post implementation	5%	

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP		Clarification sought		Reply
			months post implementation of Phase 4 (Operational Acceptance of the Project)		of Phase 4 (Operational Acceptance of the Project)		
			Total Payment for Supply and Installation	70% of Contract Price	Total Payment for Supply and Installation	75% of Contract Price	
230.	TR8 Firewall, TR 8.7	211	Firewall must support at least 250,000 connections per second with application detection enabled.		Kindly remove "with application detection enabled " This parameter is specific to only one OEM". Considering Number of users/citizens going to access this Network, Firewall need to have large session handling capability. Requesting you to modify the clause to "Firewall must support at least 500,000 connections per second".		The RFQ cum RFP states minimum requirement. The Bidder is encouraged to provide solution as per best practices. Refer to Corrigendum.
231.	TR8 Firewall, TR 8.8	211	NGFW must support 3DES/AES IPsec VPN throughput of at least 5Gbps.		Considering a solution which will cater to traffic of multiple 40 and 10 Gbps ports, IPSEC VPN throughput of 5 Gbps asked is very less and is not in line with the Firewall configuration required. It is strongly suggested that IPSEC VPN throughput should be minimum 40 Gbps of more. Requesting you to modify the clause		The RFQ cum RFP states minimum requirement. The Bidder is encouraged to provide solution as per best practices.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				to "NGFW must support 3DES/AES IPsec VPN throughput of at least 40 Gbps or more.	
232.	TR8 Firewall, TR 8.10	211	Firewall must support 10 virtual firewalls from day one. Virtual firewall should offer separation up to the hardware level and allow to have different software version in each virtual firewall.	This is one OEM Specific request you to modify the clause to "Firewall must support 10 virtual firewalls from day one. "	Refer to Corrigendum.
233.	TR8 Firewall, TR 8.10		New Clause	NGFW Throughput missing in RFP. Requesting you to ask for "The Firewall should have 10 Gbps of NGFW Throughput including Firewall, IPS, and Application Control enabled.	RFQ cum RFP prevails
234.	VOLUME I : INSTRUCTIONS TO BIDDER, Section F, Bid Data Sheet, 5.1(a), Point No. 1.1	47	Method of selection: Single Stage Selection, Three envelope system, Least Cost Based Selection (LCBS).	Considering the size of the bid & inorder to have quality bids, we request you to change the method of selection to Quality & Cost Based Selection (QCBS) 80:20	RFQ cum RFP prevails
235.	VOLUME I : INSTRUCTIONS TO BIDDER, Section F, Bid Data Sheet, 5.1(a), Point No. 7	49	The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation and support of software applications including modules like Finance, Human Resource and Payroll, Utility Billing, Asset Management, Mobile	Sometime Work Order or contract does not mention the list of modules. Hence we request you to add extract of RFP in the documents required and amend the clause as below: The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation and support of software applications including modules like Finance, Human	Refer to Corrigendum

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<p>Applications, Citizen Service Portal, Grievance Redressal, Building Plan Approval System, File Management System/Document Management System (At least Three out of Nine). having a minimum value of INR 3 crores per project during last seven (7) years as of RFQ cum RFP publish date.</p> <p><u>Documents Required</u> Sole Bidder/any Member of Consortium: <ul style="list-style-type: none"> • Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; AND • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead. </p> <p>In case of large orders/orders with operations & maintenance phase, the completion certificate may specify successful commissioning status of a part of the order meeting the requirement.</p>	<p>Resource and Payroll, Utility Billing, Asset Management, Mobile Applications, Citizen Service Portal, Grievance Redressal, Building Plan Approval System, File Management System/Document Management System (At least Three out of Nine). having a minimum value of INR 1 crores per project during last seven (7) years as of RFQ cum RFP publish date.</p> <p><u>Documents Required</u> Sole Bidder/any Member of Consortium: <ul style="list-style-type: none"> • Work order / Purchase Order/ Contract/ Extract of RFP clearly highlighting the scope of work, Bill of Material and value of the contract/order; AND • Completion / Commission Certificate/ Go Live Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead/ UAT Certificate by client </p> <p>In case of large orders/orders with operations & maintenance phase, the completion certificate may specify successful commissioning status of a part of the order meeting the requirement.</p>	

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
236.	VOLUME I : INSTRUCTIONS TO BIDDER, Section F, Bid Data Sheet, Technical evaluation	53	<p>The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation and support of software applications including modules like Finance, Human Resource and Payroll, Utility Billing, Asset Management, Mobile Applications, Citizen Service Portal, Grievance Redressal, Building Plan Approval System, File Management System/Document Management System (At least Three out of Nine). having a minimum value of INR 3 crores per project during last seven (7) years as of RFQ cum RFP publish date.</p> <p>Number of Projects: 1) =2: 10 marks 2) =3: 15 marks 3) >3: 20 marks</p> <p>Documents Required</p> <p>Sole Bidder/any Member of Consortium: • Work order / Contract</p>	<p>Sometime Work Order or contract does not mention the list of modules. Hence we request you to add extract of RFP in the documents required and amend the clause as below:</p> <p>The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation and support of software applications including modules like Finance, Human Resource and Payroll, Utility Billing, Asset Management, Mobile Applications, Citizen Service Portal, Grievance Redressal, Building Plan Approval System, File Management System/Document Management System (At least Three out of Nine). having a minimum value of INR 1 crores per project during last seven (7) years as of RFQ cum RFP publish date.</p> <p>Number of Projects: 1) =2: 10 marks 2) =3: 15 marks 3) >3: 20 marks</p> <p>Documents Required</p> <p>Sole Bidder/any Member of Consortium: • Work order / Purchase Order/ Contract/ Extract of RFP clearly</p>	Refer to Corrigendum

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			clearly highlighting the scope of work, Bill of Material and value of the contract/order; AND • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead. In case of large orders/orders with operations & maintenance phase, the completion certificate may specify successful commissioning status of a part of the order meeting the requirement.	highlighting the scope of work, Bill of Material and value of the contract/order; AND • Completion / Commission Certificate/ Go Live Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead/ UAT Certificate by client In case of large orders/orders with operations & maintenance phase, the completion certificate may specify successful commissioning status of a part of the order meeting the requirement.	
237.	VOLUME I : INSTRUCTIONS TO BIDDER, Section F, Bid Data Sheet	59	• For every project submitted for evaluation, at least two (2) projects must be completed for qualification. In addition, the other projects considered for marks shall at least be 50% complete which shall be confirmed through the Client certificate.	We request you to remove this clause as large projects undertaken in last 7 years might not be completed and might be under Operation & Maintenance Phase.	RFQ cum RFP is clear
238.	VOLUME II : STANDARD FORM OF CONTRACT, Section D. PERSONNEL, Point no 29. Replacement of Key Experts	33	Replacement of Key Experts	We request that the name of Key experts should to be finalized during the signing of contract and any penalty for replacement of key experts should be levied upon replacement of the finalized names while signing of the contract and not on the names of the key experts	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				submitted in the bid.	
239.	VOLUME II : STANDARD FORM OF CONTRACT, Software License Agreements	43	43.2 The MSI's right to audit the Standard Software will be subject to the following terms: (a) Maximum of 1 audit per calendar year is allowed by the Client and the duration of such audit shall not exceed 3 consecutive working days; (b) The MSI shall get a prior written approval from DMIC Integrated Industrial Township Greater Noida Limited (DMIC IITGNL) at least 1 week in advance on the nature, number of people and duration of the audit. The Client does not have any financial implication for conducting any such audit and can only extend necessary logistic support pertaining to relevant technical man power resources.	We assume that the audit here refers to security audit. Kindly confirm who will appoint the third party agency for conducting the security audit.	RFQ cum RFP is clear
240.	VOLUME III : TERMS OF REFERENCE, Section, 4 Roles and Responsibilities	314	• Client may at any anytime during the contract period choose to undertake an independent third party audit of the implemented system including both application and infrastructure audit.	We assume that the third party audit here is referred as security audit. Kindly confirm	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			The MSI shall support this audit;		
241.	VOLUME II : STANDARD FORM OF CONTRACT, GCC 21.7	73	<ul style="list-style-type: none"> The MSI or any of its subcontractor or affiliate or consortium member or joint venture partner singly or together shall not be entitled to any compensation; or damages liquidated or otherwise; or monetization right which shall cease to exist upon termination of the Contract under either GCC 18 a, 18 b or 18 c. 	As per Model RFP, "The Contract should specify precisely what compensation is payable if it is terminated early. The amount of compensation payable shall depend on the reason for termination, Hence we assume that the MIS will get compensated on the work that has been already completed.	RFQ cum RFP prevails
242.	VOLUME II : STANDARD FORM OF CONTRACT, GCC 40.1	75	<p>Milestone / Activity / Deliverables Payment (% of Contract Price: C)</p> <p>Mobilization advance against submission of 110% Additional Bank Guarantee (BG) of the amount of mobilization advance*</p> <p>10% of C</p> <p>Supply of Equipment at site for Phase 1 and Phase 2 5% of C</p> <p>Supply of Equipment at site for Phase 3 and Phase 4 5% of C</p> <p>Approval of Detailed Project Report (DPR) 5% of C</p> <p>Go-Live and Operational Acceptance of Phase 1</p>	Components of project phasing are missing in the payment milestone. Kindly refer to Annexure I for changes suggested in payment milestone	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			10% Go-Live and Operational Acceptance of Phase 2 10% Go-Live and Operational Acceptance of Phase 3 10% Go-Live and Operational Acceptance of Phase 4 5% End to end Go-Live with any bug fixing over three months post implementation of Phase 4 (Operational Acceptance of the Project) 10% Total Payment for Supply and Installation 70% of Contract Price		
243.	VOLUME II : STANDARD FORM OF CONTRACT, GCC 55.2	78	Liquidated damages shall be assessed at 1.0 percent per week of Contract Value during implementation and DLP phase. The maximum liquidated damages are 10 percent of the Contract Value during the implementation and DLP phase of the project.	1. We request you to reduce the % of liquidated damages and amend the clause as below: Liquidated damages shall be assessed at 1.0 percent per week of Contract Value during implementation and DLP phase. The maximum liquidated damages are 5 percent of the Contract Value during the implementation and DLP phase of the project. 2. We understand that the comprehensive Maintenance/ AMC phase is of 60 months. Kindly define the time period for DLP	RFQ cum RFP prevails
244.	VOLUME II :	92	Application Performance	We request you to reduce the	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	STANDARD FORM OF CONTRACT, 4.3.2 Service Level Agreements, 4.5.2.4 Application Performance Levels		Levels	penalty charges and refer to Annexure II for suggested changes	
245.	VOLUME II : STANDARD FORM OF CONTRACT, Section 4.7, Reporting Procedures	110	Also, MSI may be required to get the Service Level performance report audited by a third-party Auditor appointed by the Client.	What is the frequency of such audits and we assume that the cost of the audit will also be borne by the client	RFQ cum RFP is clear
246.	VOLUME III : TERMS OF REFERENCE, Section, 2 Project Overview and Components, 2.1. Project Phasing	9-10	Project Phasing	a. The following modules of ISM are not covered in the project phasing: 1. Citizen Facilitation Centre 2. Revenue Management 3. Contract Management 4. Projects and Works Management 5. RTI 6. Legal Case 7. Visitor Management System 8. Enhancement and Integration with e-LMS 9. Dashboards Kindly share the revised project phasing including the above modules	RFQ cum RFP is clear
247.	VOLUME III : TERMS OF REFERENCE, Section, 2 Project Overview and Components, 2.1. Project Phasing	9-10	Project Phasing	b. GIS Survey + Web GIS to be covered in Phase 1. However the scope mentioned in Web GIS integration covers modules to be implemented in phase 2 such as Grievance & Water Utility. Hence we assume, that the integration for Web	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				GIS in phase 1 shall be done only for modules which are present in phase 1. Once the modules to be integrated in Web GIS in phase 2 are Go Live, it will be integrated with Web GIS	
248.	VOLUME III : TERMS OF REFERENCE, Section, 2 Project Overview and Components, 2.1. Project Phasing	9-10	Project Phasing	c. We understand that the completion of all phases is at D+15 months and Operation & Maintenance will start after that for a period of 60 months. Kindly Confirm.	RFQ cum RFP is clear
249.	VOLUME III : TERMS OF REFERENCE, Section, 2.2.4 IIT Software Modules (ISM)	84	All payments would be accounted for in the finance module where the customer account would also be maintained. A bidirectional interface may be required between the LMS and the proposed modules.	We assume that there is typing mistake and LMS here is referred as e-LMS	RFQ cum RFP is clear
250.	VOLUME III : TERMS OF REFERENCE, Section, BR-4, Business Requirement	85-86	The solution shall also include SMS gateway, e-Mail gateway and WhatsApp gateway.	We assume that the procurement cost and recurring expenditure cost of e-mail gateway, sums gateway and WhatsApp gateway or WhatsApp for Business will be borne by the client. Kindly confirm	RFQ cum RFP is clear
251.	VOLUME III : TERMS OF REFERENCE, Section, BR-4, Business Requirement	86	iOS and Android Mobile application for applications that are required as part of this solution shall be implemented. However, the exact list of applications for which mobile application shall be	Kindly share the exact list of modules for which mobile app is required as it will help the bidder for optimisation of the solution and estimation of the cost	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			developed shall be decided by the Client.		
252.	VOLUME III : TERMS OF REFERENCE, Section, BR-4, Business Requirement	86	The ISM modules may be integrated with one or more Payment Gateways and eCMS services of one or more banks as desired by DMIC IITGNL.	We assume that the payment gateways will be procured by the client and the APIs for integration shall also be provided by the client	RFQ cum RFP is clear
253.	VOLUME III : TERMS OF REFERENCE, Section, FR-4, Functional Requirement, Section 2.2.4.2, GIS, Web GIS Integration	96-98, 102	• Based on a high-performance streaming technology it serves unlimited size 3D models to web and mobile	Kindly clarify the point with regards to unlimited size 3D models to web & mobile	RFQ cum RFP is clear
254.			• The system shall support geocoding and reverse geocoding;	Kindly explain the terms geocoding & reverse geocoding	RFQ cum RFP is clear
255.			• It must provide Artificial intelligence, machine learning & deep learning toolsets.	Kindly elaborate the scope of Artificial intelligence, machine learning & deep learning toolsets for Web GIS	RFQ cum RFP is clear
256.			Right Of Way (ROW) Permit	Kindly clarify if there is any existing ROW permit module or the bidder has to develop the same under Web GIS	The MSI has to propose a solution describing how this functionality would be provided as this would entail an overlap between the GIS and ISM functionalities for the associated maintenance work. DMIC IITGNL requires this functionality in only one system but GIS view is a requirement.
257.	VOLUME III : TERMS OF REFERENCE, Section	107	Submit the final concept to DMIC IITGNL for review prior to 'going live.'	Kindly clarify this point	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	on, FR-4, Functional Requirement, Section 2.2.4.3, Enhancement of Website				
258.	VOLUME III : TERMS OF REFERENCE, Section, FR-4, Functional Requirement, Section 2.2.4.4, Chatbot Solution	108	Chatbot shall respond to any input it receives in the following languages as a minimum: • English; and • Hindi	We request you to remove the input language Hindi from the list	RFQ cum RFP prevails
259.	VOLUME III : TERMS OF REFERENCE, Section, FR-4, Functional Requirement, Section 2.2.4.5, Citizen Facilitation Centre (CFC)	110	The CFC must have printing options for duplicate bills, receipts, ledgers, etc.	We request you to confirm if there is any role of cash Payment at CFC and if Yes, then how shall it be managed	RFQ cum RFP prevails
260.	VOLUME III : TERMS OF REFERENCE, Section, FR-4, Functional Requirement, Section 2.2.4.7, Portal	117	The Portal platform shall provide support for portal standards such as JSR 168, WSRP 2.0 and JSR-170.	Kindly elaborate on the JSR standard and its implication on the portal	RFQ cum RFP is clear
261.			Shall manage portal content using web content management from common content management repository through out-of-the-box integration.	We assume that IITGNL will give approved text and content. It would be configured on Web Portal by the bidder. Bidder is not expected to write/ design contents on behalf of IITGNL. Please clarify	RFQ cum RFP is clear
262.	VOLUME III :	288	Development Phase-	Kindly clarify who will procure the	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	TERMS OF REFERENCE, Section 3.2.4.2., Methodology for IIT Software Modules (ISM) Implementation, Development Phase, Deployment		Installation and End User Training on Issue Logging/SLA Tool. Deployment- SLA monitoring tool	SLA monitoring too. Client or Bidder?	
263.	VOLUME III : TERMS OF REFERENCE, Section 3.2.4.3, ISM Project Requirements, Data Migration:	292	o Developing a User Acceptance Test Plan to include testing of: Functionality, end to end Business Process which includes the interfaces, Role Based Authorizations, Data Migration, Cutover Procedures, Help Desk Support Processes, Performance and/or Stress Testing on the fully integrated ISM on an environment which is acceptable to DMIC IITGNL	From Stress and Load testing perspective - Kindly let us know what is the expected peak volume of users to be considered for each of the application that falls under ISM	RFQ cum RFP is clear
264.	VOLUME III : TERMS OF REFERENCE, Section 3.2.4.3, ISM Project Requirements, User Acceptance Testing (UAT)	293	Migration of data in the new system is responsibility of MSI. DMIC IITGNL along with MSI will jointly decide on what data will be migrated. The expected sources of data which would require migration are: Ø Property and Customer data from the Land	1. Kindly share the Format and the Volume of data to be merged as part of the data migration scope. 2. Kindly let us know about the existing e-mail solution that is being used by IITGNL users	MSI to assess and migrate legacy data as required. RFQ cum RFP is clear on this.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Management System which is currently in development and would Go Live before ISM; Ø Financial data; Ø Government files; Ø Existing e-mail solution to the proposed e-mail solution; Ø Data in excel sheets from the desk tops; and Ø GIS data for commissioned assets at the time of system deployment.		
265.	VOLUME III : TERMS OF REFERENCE,CLO UD INFRASTRUCTUR E / HOSTING AT DATA CENTRE	222	DC Cloud Infrastructure facilities shall have routers, firewalls, LAN, WAN, internet access, and hosting centres, backup, operations management, and data management capabilities.	We understand that if the application will be hosted in cloud then the MSI will provide all the infrastructure requires for hosting. But please clarify that if application will be hosted in the data centre then what will be the deliverables for MSI in terms of hosting infrastructure.	RFQ cum RFP is clear
266.	VOLUME III : TERMS OF REFERENCE,PHY SICAL SERVER FOR ON-PREMISE HOSTING	223	Physical Servers shall be provided to support local processing and storage as per the solution proposed by the MSI and as per the Application.	We understand that the storage will be provided by MSI as per the scope. But kindly confirm who will propose the physical server configuration?	RFQ cum RFP is clear
267.	VOLUME III : TERMS OF REFERENCE, Additional Features	226	Operating System, Antivirus/Antispam/Antimal ware, Patch Management Tools for non-Windows/Linux OSs.	We assume that it is the responsibility of MSI to procure the same. However, the versions of Operating System, Antivirus/Antispam/Antimalware, Patch Management Tools for non-Windows/Linux Oss shall be	As per Bidder's solution and in compliance with RFQ cum RFP.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				finalized during the system study and the same shall be procured and supplied	
268.	Generic		RDBMS Software	Please clarify that who will procure RDBMS software.	RDBMS software has to be procured by the MSI
269.	VOL - III	283	Server room/ rack room at Primary and Secondary POP shall have precision air conditioning for cooling purposes	Server Room is envisioned in RFP but detailed specs for critical sub systems are left open. We recommend to choose the Integrated & Modular Data Center which are Scalable in nature & helps to achieve higher P.U.E. These solutions are the preferred solutions in majority of Smart Cities due to the advantages of Modularity/Scalability and entire responsibility lies with single vendor. And these rapid deployable solutions are also compatible to TIER III standards	RFQ cum RFP prevails
270.	VOL-III - 2.2.8.4	216	In view of providing <u>redundant power supply to the field devices and switches</u> , UPS shall be provided at every switch across the DMIC IITGNL	We understand that the field UPS shall be in Standalone mode as no OEM can offer Parallel systems for UPS below 5kva UPS Systems. Otherwise two UPS to be put in hot Stand by mode by availing STS which will increase the cost to almost thrice. Redundancy for CCC UPS is anyways considered & is must for critical Command Centre/Server Room	RFQ cum RFP prevails
271.	Vol-III - FR 8.4	217	The UPS unit shall be 3:1 or 3:3 Phase (as per the final load requirement) On-line modular UPS. If the rating of UPS is equal to or	In UPS Industry, the 15kva is almost the mean capacity after which the technology altogether gets changed/advanced. Keeping same specs for 3:1 & 3:3 doesn't bode	As per Bidder's solution

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			above 15KVA at particular location, it should be considered as 3:3 phase UPS and specifications should be considered accordingly. If the rating is below 15KVA, it remains as 3:1 Phase UPS. The MSI shall be responsible for any conversations needed to support this output configuration.	well with the Industry standards. Moreover, we have supplied UPS for ICCC for more than 10 Smart Cities in India & none had the UPS lesser than 40kva in any of the city. And here in this project CCC, CFC Room & Rack Room are to be supported from same UPS so the size shall be min. of 60kva Modular UPS expandable to 120kva. Various advanced feature of Modular UPS Systems are missing like Hot Swappable Power Module of min 20kva/20kW(fully rated 3P), Green/Sleep Mode, Energy recycle mode, Hot Swap Dual Redundant Main Controllers in addition to controller in PM, Hot swap main static Bypass Swtich and touch screen dispaly of min 8.5" and 8500 event log.	
				Otherwise for small load below 15kva, the UPS Shall be 1P-1P UPS which will lack the fan agening detection features and BACnet and shal have different overload parameters	
				Lithium Ion batteries are asked in RFP so it is requested to add some eligibility like min. 4 nos installations of Modular & Hot Swappable UPS(100kva or higher) with Lithium Ion batteries with any Govt/PSU customer in last 2 years	
272.	Vol-III - FR 8.6	217	The various overload capacities of inverters,	Latest UPS design are transformer free with all reputed OEM.	As per Bidder's solution

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			static switch, and step-down transformer/voltage stabilizer as specified herein are the minimum requirements.	Hence No step down transformer is required for UPS for any UPS whether in field or for CCC/DC. This clause is not required & shall be deleted. Kindly evaluate	
273.	Vol-III - FR 8.120	217	The UPS unit shall include Valve Regulated Sealed Maintenance Free Lithium ion Batteries with typical lifetime of five (5) years and minimum reserve time of (4) four hours under full load conditions.	The back-up time of 4 hours is not a standard for ICC/DC UPS and that too using Li-Ion batteries. A D.G(Diesel Generator) is always there to kick in as and when required. Also request to please specify the Chemistry like LMO or NMC so that lower standard technology can't be offered. Kindly evaluate & consider around 15 to 30 min on full load of 60kW. Here in the Lithium Ion batteries, the warranty itself comes with 5 years. Battery i.e cell parameters like Cell level Voltage, SOC, SOH, Temperature shall be available on UPS Touch Screen Display	RFQ cum RFP prevails
274.	Vol-III - FR 8.120	217	The UPS unit shall include Valve Regulated Sealed Maintenance Free Lithium ion Batteries with typical lifetime of five (5) years and minimum reserve time of (4) four hours under full load conditions.	Additionally for 4 hours back-up time, there will be huge commercial impact and capital & Opex cost b.c of which it is not recommended as per Industry standards. Kindly evaluate	RFQ cum RFP prevails
275.	Vol-III - TR 8.135	218	The UPS shall be able to predict the life and failure of internal FAN. The speed of FAN shall be able to vary as per load on the	Kindly remove fan aging prediction as it is not a standard parameter for all ratings/models of UPS Systems among various OEMs.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			UPS. It shall also be able to predict Battery ageing		
276.	Vol-III - TR 8.146	218	The UPS shall have a BACnet card for integration with BMS.	RS232/485 is a industry standard. Kindly check & evaluate as BACnet is not the only option	As per Bidder's solution, however, RFQ cum RFP integration requirements should be complied.
277.	Vol-III - TR	Additional	No OEM certificates asked for UPS (Field and CCC)	We request you to kindly incorporate ISO 9001, ISO 14001, ISO 45001, TL 9000 & NABL Accredited OEM Factory Calibration lab in India for all UPS. And all UPS shall be from the same OEM. Kindly evaluate	RFQ cum RFP prevails
278.	Vol-III- TR 8.151	218	The UPS unit shall include separate, sealed, maintenance-free batteries with a typical lifetime of five (5) years.	12V SMF batteries comes with design life of 2-3 years. Kindly evalaute	As per Bidder's solution, however, RFQ cum RFP requirements to be complied.
279.	Vol-III- TR 8.159	219	The UPS unit shall have a minimum of the following LED indicators: UPS Mode: On-line, Backup/Battery and Bypass; Battery Status Indicator: This will illuminate when battery is low or faulty/disconnected; and System Fault: This will illuminate when there is some fault or interruption in UPS.	It shall be made on LED or LCD Display as per industry standard	RFQ cum RFP prevails.
280.	Vol-III- TR 8.173	220	The UPS system shall have an operating temperature of 0 degrees to 45 degrees C.	As per industry standard it is 0 to 40 deg C and later de-rate upto 50 Deg C	RFQ cum RFP prevails
281.	Vol-II 4.5.2.15	103	4.5.2.15 IT Infrastructure-	Hope this is desired for ICCU UPS	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Availability - UPS uptime 99.90%	which is asked in redundancy. Field UPS are in Standalone mode and no redundancy is available	
282.	Vol-III,FR-9 Functional requirement/ FR 9.140	242	Ability for all CCTV video , CATV , web pages, IoT and all other display content to be routed to the board room.	Please confirm that this will be done through the offered controller. Kindly clarify the no. & type of inputs for the same	As per Bidder's solution
283.	Vol-III,FR-9 Functional requirement/ FR 9.146	242	Gaps between the screens shall be negligible to view HD graphics on multiscreen.	0.2mm gap is nearly seamless which ensure there is no critical data loss for control room application. Gap between screen should be ≤ 0.2 mm at 23~ 25 ° C (control room Temperature)	As per Bidder's solution
284.	Vol III,TR-9/Technical Requirement/TR.9.2	244	Native Resolution of each Visual Display unit/ Rear Projection Module should be 1920 x 1080 pixels (Full HD) and should have laser as its light source with ultra thin configuration	Since large volumes of data needs to be put on the video wall it is suggested total resolution should be minimum 19000 x 4000. Minimum Resolution of complete video wall should be 19000 x 4000 pixels and should have laser as its light source with ultra thin configuration.	RFQ cum RFP prevails
285.	Vol III,TR-9/Technical Requirement/TR.9.3	244	The light source lifetime of the laser shall be atleast 60,000 hours	Laser Based DLP videowall offers higher life time and reliability. The light source lifetime of the laser shall be atleast 80,000 hours.	RFQ cum RFP prevails
286.	Vol III,TR-9/Technical Requirement/TR.9.6	244	The Rear Projection Module shall have laser/LED as its light source	Laser is the latest light source with optimum performance over a long period up to 11 years offer user high lumens per watt ratio with better brightness (~2400 lumens) against the standard LED (~1000) lumens. The Rear Projection Module shall have laser as its light source	Refer to Corrigendum.
287.	Vol III,TR-	244	The screen shall have	1.Requesting to define screen gap	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	9/Technical Requirement/TR.9.7		negligible inter screen gap to give seamless viewing experience	to ensure the minimum screen gap is being offered. 2. 0.2mm gap is nearly seamless which ensure there is no critical data loss for control room application. Screen to screen gap : Less than 0.2mm between two screens to ensure a seamless experience of video wall	
288.	Vol III,TR-9/Technical Requirement/TR.9.8	244	The cube shall have inbuilt redundancy in power supply and laser/LED light source	Inbuilt power supply inside the cube avoid the power loss over long cables and better cable management of system. Dual Redundant and Hot Swappable Power Supply to ensure redundancy should be inbuilt inside the videowall cube	Refer to Corrigendum.
289.	Vol-III,TR-9 technical requirement/TR9.17	244	Viewing angles of 35- H & 27- V	This is so that the viewing angles in multiple rows & columns in video wall of a control room are not compromised & any temperature variation does not result in screen bulging; CSI is the best screen available with highest viewing angles to make sure there is no operator fatigue. We request you to please amend the clause as " Screen type: CSI with Half viewing angles of H : $\pm 36^\circ$ and V : $\pm 34^\circ$ and minimum three layer with hard backing to prevent bulging.	RFQ cum RFP prevails
290.	Vol-III,TR-9 technical requirement/TR 9.27	245	A pedestal shall be provided to provide support to VDW. If manufacturer's standard	Kindly confirm height of pedestal required. Standard pedestal has height of 1000mm.	As per Bidders solution.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			pedestal doesn't comply with the height requirement , the MSI shall supply custom setup.		
291.	Vol-III/2.2.9 City's Integrated Operations Centre (CIOC)	230	All type of camera and surveillance devices installed across IIT will be integrated with city surveillance facility of CIPOC. This also include the cameras installed for non-ICT purposes such as water and power utilities, bus shelters , open spaces etc. The Surveillance feeds of all such cameras will be displayed on a video wall	Kindly Confirm: 1. How many cameras to be decoded? 2. What will be the resolution of stream? 2. How many cameras would be seen simultaneously on the video wall?	RFQ cum RFP prevails
292.	Additional	244	Dust Prevention: Should be designed to prevent dust entering into the engine	Specifying the correct certifications and standard will provide more clarity to bidder/ OEMs to offer correct products to meet the project requirements. Projection engine: Projection engine should be tested certified by reputed agencies for anti dust(IP 6X) design as per International Electrotechnical Commission-60529.standard	RFQ cum RFP prevails
293.				This is to ensure a smooth integration between the supplied systems & so as to receive a standard product. Video wall and controller should be from same OEM and should have BIS certification	RFQ cum RFP prevails
294.	Vol-III/TR-3	78	TR 3.56 The minimum	This is the standard size available	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Technical requirement / Variable Message Display (VMD)		dimensions of VMD shall be 3m in length , 1.5m in height and 0.2m in depth.	with most OEM's & will result in a healthy participation from different OEM's. The minimum dimensions of VMD shall be Minimum 2.88 m (W) x 1.92m (H) x .14m (D) or bigger	
295.	Vol-III, TR-3 Technical requirement / TR 3.57	78	The LED in display board shall support full color as per IRC/EN 12966 standard.	Please delete this clause as it is OEM specific	RFQ cum RFP prevails
296.	Vol-III, TR-3 Technical requirement / TR 3.62	78	The pixel pitch of VMD shall be minimum 12 mm or better	10mm is a general standard pixel pitch available with majority OEM's for outdoor applications. Pixel Pitch should be 10mm or better.	RFQ cum RFP prevails
297.	Vol-III, TR-3 Technical requirement / TR 3.63	78	The VMD shall support R3 class contrast ratio and B6 class beam width as per IRC/EN 12966 standard.	Please delete this clause as it is OEM specific	RFQ cum RFP prevails
298.	Vol-III, TR-3 Technical requirement / TR 3.68	78	The Viewing distance shall be 150m or more at the character size of 240mm from moving vehicle .	Size of VMS - 3M Length X 1.5M height with Pixel Pitch :12mm is not suitable for such long Viewing distance. It is suggested for better and clear view pixel pitch should be lowered. Please change it to 10mm Pixel Pitch	RFQ cum RFP prevails
299.	Vol-III, TR-3 Technical requirement / TR 3.70	79	The display board driver shall be able to test the status of all display cells in the sign even when diodes are not illuminated.	Please delete this clause as it is OEM specific	RFQ cum RFP prevails
300.	Vol-III, TR-3 Technical requirement / TR	79	The system shall be capable of working in ambient temp range of 0 to	Temperature never reached 55 degree in Greater Noida. Please change this to increase OEM	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	3.73		55 deg. C and humidity shall be 10% to 95%.	participation. Please change ambient temperature range to 0 degree C to 50 degree C .	
301.	Vol-III, TR-3 Technical requirement /TR 3.76	79	The VMD body shall be made of atleast 2mm Aluminum or Non Corrosive ,Water resistant or better .The frame of VMS should be Black and Powder coated	This will help more OEM's to participate. Request to change to Cabinet And Material of LED Display is Aluminum/ Mild steel with powder coated Mounting structure to be made from Aluminium extruded profiles to make them rust free. These profiles should be black anodized .	RFQ cum RFP prevails
302.			Additional	This would help to filter all the local Chinese manufacturer and assure that quality product/OEM participate. Product should be available in OEM website & cross reference link should be submitted for the same at the time of bid submission.	RFQ cum RFP prevails
303.			Additional- Certification for LED	This would help to filter all the local Chinese manufacturer and assure that quality product/OEM participate. No certification are asked. Please add the certificates listed below.	RFQ cum RFP prevails
304.				CE certification for Compliance to CE Under Standards : EN 55022:2010 + AC:2011 Class A, EN 55024:2010+A1:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, AS/NZS CISPR 22:2009+A1:2010	RFQ cum RFP prevails
305.				UL Listed for Compliance to UL Standard For Safety : UL 60950-1 & CAN/CSA C22.2 No. 60950-1-07- Information Technology Equipment-	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				Safety-Part 1: General Requirements	
306.				FCC Certification for Compliance to FCC For Electro Magnetic Emission which may not cause harmful interference, and must not accept any interference received Under Standard : FCC CFR Title 47 Part 15 Subpart B: 2015 Class A, CISPR 22:2008, ANSI C63.4:2014, ICES-003 Issue 6:2016 : Class A	RFQ cum RFP prevails
307.				BIS Registration (Bureau Of Indian Standards) As per Standard : IS 13252(PART 1) :2010	RFQ cum RFP prevails
308.				CB Certification for Compliance to CB Standard for Safety : EN 60950-1:2006/A11:2009/A1:2010/A12:2011 /A2:2013, IEC 60950-1(ed.2), IEC-1(ed.2);am1, IEC 60950-1(ed.2);am2	RFQ cum RFP prevails
309.				Quality Management System 9001:2015 ,	RFQ cum RFP prevails
310.				Occupation health & Safety Management System - OHSAS 18001:2007 and ISO 27000:1	RFQ cum RFP prevails
311.				Environmental Management System 14001: 2015	RFQ cum RFP prevails
312.			Additional	Product certifications (UL, CB, CE, FCC and BIS) should be submitted for the particular offered model/series rather than the general category of the product. Trade name and Model number should be brought out clearly in these certifications. General certifications are liable to be rejected.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
313.				This would help to filter all the local Chinese suppliers and assure that quality product/OEM participate. Pre-Qualification of LED OEM should also be part of the RFQ.	RFQ cum RFP prevails
314.				Past Performance: OEM should have executed single order of at least 100 no's or more VMS based on SMD Technology only (DIP technology is not acceptable), with a Minimum size of 2.8m x 1.92m connected in a single network and controlled from one central location . All these Installed Screens should be in LIVE & in Working condition. – PO copy & Customer satisfaction/ Performance track record (PTR) letter to be submit along with bid	RFQ cum RFP prevails
315.				OEM should have at least one LED wall installation of 5 years old in working condition from the date of publishing of RFQ.	RFQ cum RFP prevails
316.				For OEM's claiming to be Indian OEM's the local content should be minimum 75%. Imported content sourced locally shall not qualify as local content.	RFQ cum RFP prevails
317.				OEM should have its own service centre with at least five service engineers on their rolls in India. 3rd party authorized service centre are not acceptable - Proof of OEM service centre with GST details to be submit along with technical bid	RFQ cum RFP prevails
318.				OEM needs to provide the support declaration on their letterhead for	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				back to back service support directly through OEM own service team for 5 years to be submitted.	
319.				Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support in India.	RFQ cum RFP prevails
320.	Volume I 4. Eligibility	20	None of the member of a given JV/Consortium can be a member of another JV/Consortium for submitting this same bid otherwise all the bids comprising the same member shall stand disqualified. However, a specialized sub-contractor(as required to execute any of the approved subcontracting services/components)can be a member of more than one JV/ Consortium.	Requesting you to please allow cloud service providers (CSPs) as OEM for this project so to allow more CSPs to work with multiple partners giving their MeitY approved cloud services for DMIC project which are required for DMIC. All the mentioned criteria/ requirements shall for OEM shall be fulfilled by CSPs.	RFQ cum RFP is clear
321.	Volume I 5. Qualifications of the Bidder 5.2.6	22	Afirm may submit bids either as a single Bidder on its own, or as partner in one, and only one, Joint Venture/ Consortium (maximum of three members). However, an individual Bidder cannot at the same time be a member of a Consortium applying for the Project. Further, a member of a	Requesting you to please allow cloud service providers (CSPs) as OEM for this project so to allow more CSPs to work with multiple partners giving their MeitY approved cloud services for DMIC project which are required for DMIC. All the mentioned criteria/ requirements shall for OEM shall be fulfilled by CSPs.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			particular Bidder Consortium cannot be member of any other Bidder Consortium applying for the Bid. If, as a result of the bid opening, this requirement is not met, all bids involving the firm as a single Bidder or Joint Venture partner will be disqualified;		
322.	Volume I 5. Qualifications of the Bidder 5.5 (i)	24	The Bidder shall quote only one specific make and model from only one specific OEM, for each of the goods. Providing more than one option shall not be allowed and may result in disqualification of the Bid. All goods quoted by the Bidder must be associated with item code and names and with printed literature describing configuration and functionality. Any deviation from the printed specifications should be clearly mentioned in the offer document by the Bidder	As CSP provide their services based on available large product portfolio of OEMs who are market leaders in their service/ product category. Please allow CSPs to propose services based on availability and service/ product that match DMIC and MSI's requirement specified.	RFQ cum RFP prevails
323.	Volume III FR -3 Functional Requirements RECORDING AND	64	The storage solution proposed is that the video feeds would be available for 30 days. After 30 days,	Kindly confirm whether CCTV storage will be replicated to cloud/ disaster recovery site/ both DC and DRC on cloud or it will be stored	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	STORAGE FR 3.11		the video feeds would be overwritten or archived unless it is flagged or marked by the Police or DMIC IITGNL for investigation or any other purpose. The video feeds of all relevant cameras capturing the incident in question would be stored until the Police or DMIC IITGNL deem it good for deletion.	locally at on-premise site only.	
324.	Volume III 2.2.8.5 Data Hostingfor IIT BR 8.19	221	Surveillance video feeds will be stored on Premise Data Centre for 30 days.	Kindly confirm whether CCTV storage will be replicated to cloud/ disaster recovery site/ both DC and DRC on cloud or it will be stored locally at on-premise site only.	RFQ cum RFP is clear
325.	Volume III 2.2.4 IIT Software Modules (ISM)	81	Blockchain for Land Records	We assume blockchain for land records is already implemented by e-LMS existing vendor. Please confirm.	RFQ cum RFP is clear
326.	Volume II 4.5.2.17 Cloud Security	104	2. Vulnerability assessment for all systems/subsystems shall be performed at least once every quarter and all detected vulnerabilities to be closed within 7 day. 3. Penetration testing shall be conducted once every quarter. All vulnerabilities shall be closed within 7 days.	Contradictory clause to clause from Volume III, Security Testing (including penetration and vulnerability test) on page no 292 which states " <u>Penetration test shall be carried out periodically and vulnerability analysis shall be carried half-yearly during maintenance phase.</u> " Kindly confirm frequency for VAPT audits i.e. half yearly or quarterly.	In compliance with MeitY guidelines and RFQ cum RFP (whichever is earlier)
327.	Volume III 2.2.4.3	107	Secure the existing website prior to	Kindly confirm whether website will be hosted (both DC and DR) over	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Enhancement of Website Design and Construction FR 4.172		transitioning to the new platform	MeitY empanelled CSP.	
328.	Volume III 2.2.4.3 Enhancement of Website Design and Construction FR 4.172	107	Secure the existing website prior to transitioning to the new platform	Kindly confirm migration for current website from current hosting provider to CSP. If yes, please share data size with current deployment architecture and hosting landscape.	RFQ cum RFP is clear
329.	Volume III 2.2.4.3 Chatbot Solution	107	General	Kindly make sure all the different applications for this project will be hosted on MeitY empanelled CSP so that all hosting regulations from GOI will be followed during project timeline. Suggested clause- <i>"All the applications and data related activities for this project will be hosted over GOI empanelled MeitY empanelled cloud service provider's GCC platform only."</i>	RFQ cum RFP is clear
330.	Volume III 2.2.4.27 Foundation Layer ESB/Middleware	190	The ESB also support TLS 1.1 & TLS 1.2 to offer strict security requirements	Kindly confirm expected no. of domains and subdomains need to be covered with type of SSL certificate Alpha Level, Domain Level or Organisational Level	As per Bidder's solution and in compliance with RFQ cum RFP.
331.	Volume III 2.2.8.1 Data Security	211	2.2.8 TR -8 Technical Requirements	We assume firewall, racks, UPS requirements are applicable for on premise deployment only. Requesting you to please define requirements for on-premise deployment and for cloud deployment (DC and DR)	All infrastructure components required for cloud DC and cloud DR to be provided by CSP and/or bidder as per Bidder's solution. All components required for

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				seperately.	on-premise deployment to be provided by MSI as per Bidder's solution. RFQ cum RFP is clear on this.
332.	Volume III 2.2.8.1 Data Security	211	Note that the client at its discretion may have the authority to carry a security audit of the entire system during the course of the Project or post implementation at regular intervals.	For maintaining security standatd throughout project duration we request DMIC to conduct VAPT audits by Cert-IN empanelled agency for cloud infra. Suggested clause- "All MSI must make sure all CSPs conduct VAPT audits by Cert-IN audited agency for cloud infra to be carried half yearly"	In compliance with MeitY guidelines and RFQ cum RFP (whichever is earlier)
333.	Volume III Security Testing (including penetration and vulnerability test)	292	Penetration test shall be carried out periodically and vulnerability analysis shall be carried half-yearly during maintenance phase.	For maintaining security standatd throughout project duration we request DMIC to conduct VAPT audits by Cert-IN empanelled agency for cloud infra. Suggested clause- "All MSI must make sure all CSPs conduct VAPT audits by Cert-IN audited agency for cloud infra to be carried half yearly"	In compliance with MeitY guidelines and RFQ cum RFP (whichever is earlier)
334.	Volume III 2.2.8.5 Data Hosting for IIT BR 8.7	220	Solution shall adhere to guidelines issued by Ministry of Electronics and Information Technology (MeitY) over time to time. Service Level for DC & DRC shall be as per MeitY guidelines. Only MeitY empanelled Cloud Service Providers shall be allowed to provide cloud hosting	Considering project requirement and security requirement, ESDS believes DMIC should opt for security compliances as per MeitY GCC platform, hence requesting you to amend the saaid clause as - "Solution shall adhere to guidelines issued by Ministry of Electronics and Information Technology (MeitY) over time to time. Service Level for DC &	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			services for this Project. Deployment model of cloud shall be Government Community Cloud (GCC)/Public Cloud. Exact deployment model shall be finalized during design validation stage.	<i>DRC shall be as per MeitY guidelines. Only MeitY empanelled Cloud Service Providers shall be allowed to provide cloud hosting services for this Project. Deployment model of cloud shall be Government Community Cloud (GCC) only. Exact deployment model shall be finalized during design validation stage."</i>	
335.	Volume III 2.2.8.5 Data Hosting for IIT FR 8.18	222	Cloud solution shall be accessible via both Internet and MPLS/VPN.	Kindly confirm no. of links (P2P/ MPLS) that will be terminated to cloud DC and DR respectively.	As per Bidder's solution
336.	Volume III DISASTER RECOVERY CENTRE (DRC) / SECONDARY DC	222	Suggested additional clause	For business continuity planning and data security purposes, we suggest to add this clause (which is also mentioned in MeitY guidelines for CSP) - <i>"Proposed DR site should be in a different seismic zone or 100 km away from proposed cloud DC site and on-premise site"</i>	RFQ cum RFP prevails
337.	Volume III Technical Requirements TR 8.176	224	Cloud solution shall have a Cloud Management interface which shall have the ability to unilaterally provision and de-provision the specific IaaS/ PaaS/ SaaS services contemplated by the project via Web Portal, Command Line Interface and Web Services Application Programming Interface ("API"). All the communication for these	As to allow more participation we request you to please amend this clause as - <i>"Cloud solution shall have a Cloud Management interface which shall have the ability to unilaterally provision and de-provision the specific IaaS/ PaaS/ SaaS services contemplated by the project via Web Portal and Web Services Application Programming Interface ("API"). All the communication for these purposes shall be secured at</i>	Refer to Corrigendum.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			purposes shall be secured at transport level using SSL / TLS / SSH.	<i>transport level using SSL / TLS / SSH"</i> We assure same functionalities as expected by DMIC only without command line interface which is not as widely used. Please consider.	
338.	Volume III 2.2.8.5 Data Hosting for IIT TR 8.193	225	Cloud service provider shall have redundant ISPs providing Internet connectivity to their data centre / network.	For world class redundancy at network level, we suggest to add this clause - <i>"CSPs must have minimum 5 ISPs at their data center" (Undertaking from CSP shall be attached as proof)</i>	RFQ cum RFP Prevails
339.	Volume III ADDITIONAL FEATURES TR 8.212	226	The system shall be able to restore from the backup whenever required	Kindly confirm backup policy with backup retention period expected by DMIC.	As per Bidder's solution. Retention to be in equal to contract period.
340.	Volume III 3.1.12 Comprehensive Maintenance for System and Services	278	Module level design of system	For cloud deployment CSPs should only be made to provide high level architecture diagram. Low level detailed component wise diagram shall only be shared after contract is awarded and more details on implementation modules are decided in co-ordination with both MSI and DMIC.	RFQ cum RFP Prevails
341.	Volume III 3.2.4 IIT Software Modules (ISM)	286	Provide system architecture for all the applications including hardware and cloud architecture	For cloud deployment CSPs should only be made to provide high level architecture diagram. Low level detailed component wise diagram shall only be shared after contract is awarded and more details on implementation modules are decided in co-ordination with both MSI and DMIC.	RFQ cum RFP Prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
342.	Volume III 3.2.4 IIT Software Modules (ISM)	286	The population projection for IIT is assumed to be 30,000 residents and 50,000 industrial workforce by 2030. The number of users of the citizen facing applications is projected to be around 11,000 within the next 5-10 years	Please confirm year wise expected data for total no. of users and concurrent users load for all applications so that it can help bidders come on common grounds for sizing their applications and preparing commercials.	RFQ cum RFP is clear
343.	Volume III 3.2.4 IIT Software Modules (ISM)	287 288	3. Design Phase: Data Migration Plan 6. Deployment: Final Data Migration	DMIC should share current data size to be migrated (Details of all log files, flat files, no. of mail boxes and storage for each mail box) with current deployment architecture in place with hosting landscape for proposing migration strategy.	RFQ cum RFP is clear
344.	Volume III 3.2.10.2 Installation and Implementation	305	Provide required IT infrastructure as IaaS/PaaS/ SaaS for hosting required applications on cloud. The MSI shall host all the applications including e-LMS and websites as part of the application landscape that needs to be hosted on cloud infrastructure and on-premise infrastructure	ESDS considers DR on cloud will be needed for all applications including e-LMS and website. Please confirm if assumption is right.	RFQ cum RFP is clear
345.	Volume III 3.2.10.2 Installation and Implementation	305	Provide required IT infrastructure as IaaS/PaaS/ SaaS for hosting required applications on cloud. The MSI shall host all the applications including e-	As applications deployed on-premise that are Surveillance System-Video Management and Video Analytics, Building Management System (BMS) And Access Control System, Building Management System (BMS) And	As per Bidder's solution to meet the RFQ cum RFP requirements.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			LMS and website as part of the application landscape that that needs to be hosted on cloud infrastructure and on-premise infrastructure	Access Control System, Facial Detector & Scanner for Access Control (Software) will need to have minimum latency and hence won't be operated fast from far situated cloud site. However please confirm whether DMIC will keep backup copy of these applications on cloud (except the one backup copy at on-premise setup if considered). Please provide inputs.	
346.	Volume III 3.2.10.3 DRC / Secondary DC	308	The MSI shall ensure adequate bandwidth between the Data Centre Facilities to provide business continuity and application response times. The solution shall offer minimum RPO and RTO (both for application) as specified in the table below section. For any breach in RTO and RPO requirements, applicable SLAs will be levied.	Please confirm application wise expected estimated daily data generation so that CSPs can factor in replication link between DC and DR. It can be scaled (charges to be borne by DMIC) as required during project duration based on data generated .	As per Bidder's Solution
347.	Volume III 3.2.10.3 DRC / Secondary DC	308	The MSI shall ensure adequate bandwidth between the Data Centre Facilities to provide business continuity and application response times. The solution shall offer minimum RPO and RTO (both for application) as specified in the table below section. For any	As per MeitY guidelines requesting you to please revise RPO and RTO as per MeitY guidelines i.e. RPO = 2 Hours and RTO = 4 Hours.	RFQ cum RFP prevail.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			breach in RTO and RPO requirements, applicable SLAs will be levied.		
348.	Volume III 3.2.10.4 Operational Acceptance of Hosting Infrastructure	310	Monitoring of performance, resource utilization and other events such as failure of service, degraded service, availability of the network, storage, database systems, operating systems, applications, including API access within the cloud service provider's boundary	Please allow CSPs to provide these features as available and requesting change in clause as - <i>"Monitoring of performance, resource utilization and other events such as failure of service, degraded service, availability of the network, storage, database systems, operating systems, applications"</i>	Bidder to monitor all events as mentioned. Bidder is allowed augment the functionality provided by CSP in order to meet the objectives of the RFQ cum RFP
349.	Volume III 3.2.11 Telecom Connectivity	311	Leased line connection to admin building shall be equipped with split tunnel connectivity with SSL VPN to Cloud Service Provider (CSP) to enable site to site connectivity with CSP in a secured environment. Telecom connectivity shall ensure smooth operations of all cloud hosted applications.	Please confirm will there be MPLS connectivity between DMIC and cloud DC and DR to access applications/ resources over cloud	As per Bidder's Solution
350.	Volume III 3.2.12 SMS, e-Mail and WhatsApp Gateway	312	Supply, installation and maintenance cost of SMS gateway, e-Mail gateway and WhatsApp gateway shall be borne by the MSI	Please provide no. of emails need to be sent over gateway to size SMS/ email gateway. Also confirm whether SMS and email will be transactional or promotional.	As per Bidder's Solution
351.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, ACTIVE	54 cum 35	The Industrial Grade Switch installed at the field shall have at least eight (8) 1000BaseTX ports with two 1 G fibre ports	We would request to kindly remove the clause upgradable to 10G and increase two 1G fiber ports to 4 Nos. 1 G Fiber port. 4 Nos. 1G fiber port would be required at some places	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	ELECTRONICS / ETHERNET SWITCHES AND ROUTERS, Ethernet Switch – Layer 2, Type I - Industrial Grade Field Switch, TR 1.222		scalable up to 10G in future for backhaul (uplink) connectivity. The PoE/PoE+ feature may also be provided via industrial grade PoE/PoE+ injectors for these switches.	where same switch would be serving multiple rings and upgradable to 10G would change switches of almost all vendors from L2 to L3, giving advantage to single vendor. Request to change as "The Industrial Grade Switch installed at the field shall have at least eight (8) 1000BaseTX ports with Four 1 G fibre ports for backhaul (uplink) connectivity. The PoE/PoE+ feature may also be provided via industrial grade PoE/PoE+ injectors for these switches".	
352.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS, Ethernet Switch – Layer 2, Type I - Industrial Grade Field Switch, TR 1.223	54 cum 35	The copper ports shall support PoE / PoE+.	Since there is PTZ camera we would recommend to have atleast 1 or 2 HPOE port. "The copper ports shall support PoE , PoE+ & HPOE port ".	RFQ cum RFP prevails
353.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, ACTIVE ELECTRONICS / ETHERNET SWITCHES AND	54 cum 35	The industrial grade switches shall support: • IEEE 802.3, 802.3ad, 802.3u, 802.3ab, 802.3z, 802.3x protocols; • IEEE 802.1D for STP, 802.1w for Rapid STP, 802.1s for Multiple	We would recomend to include security portion as well "The industrial grade switches shall support: • IEEE 802.3, 802.3ad, 802.3u, 802.3ab, 802.3z, 802.3x protocols; • IEEE 802.1D for STP, 802.1w for Rapid STP, 802.1s for Multiple	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	ROUTERS, Ethernet Switch – Layer 2, Type I - Industrial Grade Field Switch, TR 1.226		Spanning Tree Protocols; • IEEE 802.1q for VLAN tagging, 802.1p for CoS, 802.1X for Authentication and 802.3ad for port trunk LACP; and • Broadcast storm protection, RADIUS, SSL/SSH security.	Spanning Tree Protocols; • IEEE 802.1q for VLAN tagging, 802.1p for CoS, 802.1X for Authentication and 802.3ad for port trunk LACP; and • Broadcast storm protection, RADIUS, SSL/SSH Security, macsec security ."	
354.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS, Ethernet Switch – Layer 2, Type I - Industrial Grade Field Switch, TR 1.228	54 cum 35	All switches installed on-field shall be capable of working in the harsh environmental conditions with immunity to EMI and heavy electrical surges. They shall support: • EN-60950-1 or Equivalent; and • FCC Part 15 Class A. All standards to be latest as per Manufacturer's certifications.	Request to add few more ruggedized features to get all switches at par. "All switches installed on-field shall be capable of working in the harsh environmental conditions with immunity to EMI and heavy electrical surges. They shall support: • IEC 60255-21-2 (mechanical shock) • IEC 60255-21-1 (vibration) • EN 61000-4-5 (Surge Immunity, Class 4) • EN 61000-4-5 (Surge Immunity, Class 4) • EN-60950-1 or Equivalent; and • FCC Part 15 Class A. All standards to be latest as per Manufacturer's certifications."	RFQ cum RFP prevails
355.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS,	61 cum 42	Switch should have minimum 2 GB RAM and 2 GB Flash.	We feel 2 GB for RAM and Flash for L2 switch is on very higher side. Request to change it as 1GB RAM & Flash. " Switch should have minimum 1 GB RAM and 1 GB Flash".	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Ethernet Switch – Layer 2, L2 SWITCH (Server/Workstation Connectivity Ethernet Switch – Minimum 24 Ports), TR 1.426				
356.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS, Ethernet Switch – Layer 2, L2 SWITCH (Server/Workstation Connectivity Ethernet Switch – Minimum 24 Ports), TR 1.427	61 cum 42	Shall support GARP VLAN Registration Protocol or equivalent feature to allow automatic learning and dynamic assignment of VLANs	MVRP is industry standard protocol. GARP is OEM specific protocol	RFQ cum RFP prevails
357.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS, Ethernet Switch – Layer 2, L2	62 cum 42	Switch should support atleast 16K flow entries	L2 switch doesnot require such high configurations. "Request to change to 1000 Multicast entries"	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	SWITCH (Server/Workstation Connectivity Ethernet Switch – Minimum 24 Ports), TR 1.442				
358.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS, Ethernet Switch – Layer 2, L2 SWITCH (Server/Workstation Connectivity Ethernet Switch – Minimum 24 Ports), TR 1.443	62 cum 42	Switch should support 128 or more STP Instances.	L2 switch doesnot require such high configurations. "Request to change to 100 STP instance"	RFQ cum RFP prevails
359.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS, Ethernet Switch – Layer 2, L2 SWITCH (Server/Workstation	62 cum 42	Should support minimum 11K IPv4 routes or more	L2 switch doesnot require such high configurations. "Request to change to 256 IPv4 and 128 IPv6 static and RIP route"	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	n Connectivity Ethernet Switch – Minimum 24 Ports), TR 1.445				
360.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS, Ethernet Switch – Layer 2, L2 SWITCH (Server/Workstation Connectivity Ethernet Switch – Minimum 24 Ports), TR 1.455	62 cum 42	Should support Media access control (MAC) authentication to provide simple authentication based on a user's MAC address	MACSEC is important in security point to control and mid way intrusion. "Should support Media access control (MAC) authentication to provide simple authentication based on a user's MAC address. Macsec security to be included".	RFQ cum RFP prevails
361.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, TR - 2 Technical Requirements, TR 2.3	75 cum 56	<ul style="list-style-type: none"> • Organization IEEE: Ø IEEE 802.11a/b/g/n/ac; • Organization European Standard (EN): Ø EN50121-1 EMC or UL/IEC/EN 60950; • Organization Underwriters Laboratory and IEC; • Department of Telecommunications guidelines; • Telecom Regulatory Authority of India guidelines. 	<ul style="list-style-type: none"> • Organization IEEE: Ø IEEE 802.11a/b/g/n/ac; • Organization European Standard (EN): Ø EN50121-1 EMC or UL/IEC/EN 60950; • Organization Underwriters Laboratory and IEC; • Department of Telecommunications guidelines; • EMI and susceptibility (Class B) • Telecom Regulatory Authority of India guidelines. 	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
362.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, TR - 2 Technical Requirements, TR 2.4	75 cum 56	The Wi-Fi access point shall be Outdoor rated, dual radio, 802.11ac Wave II, 5-GHz and 2.4-GHz. It shall support operations in 802.11a/b/g/n/ac.	Please add additional standard feature . "The Wi-Fi access point shall be Outdoor rated, dual radio, 802.11ac Wave II, 5-GHz and 2.4-GHz. It shall support operations in 802.11a/b/g/n/ac , maximum concurrent data rate of 1.267 Gb/s (867 Mb/s in 5 GHz and 400 Mb/s in 2.4 GHz)"	RFQ cum RFP prevails
363.	Volume III, TR-1 Technical Requirement , ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS , DISTRIBUTION SWITCH AT POP	Page 35, TR1.235	shall have up to 900 Mbps of switching capacity (minimum packet size 64 byte) Mbps of switching throughput	As per the clause TR1.234 the throughput asked is 600 gbps , the corresponding packet forwarding rate at 64 byte should be 600 X1.488 = 900 MPPS approx. The value given in clause as 900 Mbps appears to be a typo mistake . Request to clarify and amend the clause for solution clarity .	Mbps to be read as Mpps
364.	Volume III, TR-1 Technical Requirement , ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS , DISTRIBUTION SWITCH AT POP	Page 35, TR1.238	SFP/SFP+/XFP/QSFP/Optical modules to be provided as per the solution design by MSI	Request to kindly suggest the distance between the POP's so that the desired optics can be planned .	RFQ cum RFP is clear
365.	Volume III, TR-1 Technical Requirement , ACTIVE ELECTRONICS /	Page 35, TR1.287	System should be tested and certified for EAL 2 or above or NDPP certified at time of delivery	The next level of Certification from Common criteria certification is NDcPP which is the next level of certification in same domain of NDPP. Kindly clarify if the same is	RFQ cum RFP specifies minimum compliance.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	ETHERNET SWITCHES AND ROUTERS , DISTRIBUTION SWITCH AT POP			acceptable .	
366.	Volume III, TR-1 Technical Requirement , ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS , CORE SWITCH	Page 37, TR1.299	SFP/SFP+/XFP/QSFP/Optical modules to be provided as per the solution design by MSI	Request to kindly suggest the distance between the POP's so that the desired optics can be planned .	RFQ cum RFP is clear
367.	Volume III, TR-1 Technical Requirement , ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS , CORE SWITCH	Page 37, TR1.311	Switch should support minimum 32K no. of MAC addresses	We understand that the Core switch will be the heart of Network acting as aggregation for all POP's . 32K MAC is very less for such a network . We recommend to have atleast 250K MAC address for smooth implementation while meeting the future growth also .	RFQ cum RFP prevails
368.	Volume III, TR-1 Technical Requirement , ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS , CORE ROUTER	Page 42, TR1.419	SFP/SFP+/XFP/QSFP/Optical modules to be provided as per the solution design by MSI	Request to kindly suggest the distance between the POP's so that the desired optics can be planned .	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
369.	Volume III, TR-1 Technical Requirement , ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS , CORE ROUTER	Page 42		We recommend to have NDPP/ NDcPP certification on Core Router for uniform and enhanced security products .The same is asked in switches also	RFQ cum RFP specifies minimum compliance.
370.	Volume III, TR-1 Technical Requirement , ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS , L2 SWITCH (Server/Workstation Connectivity Ethernet Switch – Minimum 24 Ports)	Page 42, TR1.442	Switch should support at least 16K flow entries	The flow entries are used for sending the sflow/netflow records to the flow server out side the switch , The entries are restricted by the capability of the flow server and not by switch . We do flow sampling and forwarding through hardware ASIC which provides line rate sampling and forwarding , hence request to amend the clause for leading to participate . Switch should support at least 16K flow entries or SFLOW/NETFLOW should be supported	RFQ cum RFP prevails
371.	Volume III, TR-1 Technical Requirement , ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS , L2 SWITCH (Server/Workstation Connectivity Ethernet Switch – Minimum 24 Ports)	Page 42, TR1.474	System should be tested and certified for EAL 2 or above or NDPP certified at the time of delivery	The next level of Certification from Common criteria certification is NDcPP which is the next level of certification in same domain of NDPP. Kindly clarify if the same is acceptable .	RFQ cum RFP specifies minimum compliance

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	n Connectivity Ethernet Switch – Minimum 24 Ports)				
372.	Volume III, TR-1 Technical Requirement , ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS , TR - 8 Technical Requirements	Page 211, TR8.1	The Firewall appliance must have certifications like NDPP / ICSA / EAL4 or equivalent	The next level of Certification from Common criteria certification is NDcPP which is the next level of certification in same domain of NDPP. Kindly clarify if the same is acceptable .	RFQ cum RFP specifies minimum compliance.
373.	Volume III, TR-1 Technical Requirement , ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS , TR - 8 Technical Requirements	Page 212, TR8.21	Must be able to support at least 5000 network objects, 1000 services and 5000 rules base.	The clause is ambiguous ,the generic clause for any firewall policies which includes various action / services such as IPS , AV , Web filtering . Request to relax the clause for leading OEM to participate . Requested clause :- Must be able to support at least 5000 or higher policies for various NGFW functionalities	RFQ cum RFP prevails
374.	Volume III, TR-1 Technical Requirement , ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS , TR - 8 Technical	Page 212, TR8.22	Firewall must support Restful API for integration with 3rd party solutions like Software Defined Networking.	The SDN solution talks to Firewall using some standard protocol or through scripting language . Request to relax the clause for leading to participate . Requested clause :- Firewall must support Restful API/Netconf / Yang/ XML for integration with 3rd party solutions like Software Defined	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Requirements			Networking.	
375.	Volume III, TR-1 Technical Requirement , ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS , TR - 8 Technical Requirements	Page 212, TR8.26	Firewall must support port aggregation functionality for the failover control & date interfaces for provide additional level of redundancy.	Request more clarification , we assume that date word is misprinted and it should be update ,kindly clarify	Date to be read as Data.
376.	Volume III, TR-1 Technical Requirement , ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS , TR - 8 Technical Requirements	Page 212, TR8.30	Firewall must replicate Nat translations, TCP, UDP connection states, ARP table, ISAKMP & IPsec SA's, SIP signaling sessions.	ISAKMP defines the SA(security association) used in IPSEC , Request to relax the clause as the same is part of IPSEC . Also we understand that clause refer to Highavailability (i.e. replication across devices in cluster) kindly clarify for solution design . Requested clause :- Firewall in HA must replicate Nat translations, TCP, UDP connection states, ARP table, ISAKMP /IPsec SA's, SIP signaling sessions.	RFQ cum RFP prevails
377.	Volume III, TR-1 Technical Requirement , ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS , TR - 8 Technical	Page 212, TR8.42	The Solution Should be able to orchestrate with open stack.	Kindly specify the Open standard protocol for solution clarity , such as netconf or equivalent . Request to amend the clause for solution clarity . Requested clause :- The Solution Should be able to orchestrate with open stack using open standard protocol or equivalent or netconf	As per Bidder's solution

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Requirements				
378.	Volume III, TR-1 Technical Requirement , ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS , TR - 8 Technical Requirements	Page 212, TR8.43	Firewall must support the functionality of Auto-Update to check for latest software versions & download the same.	The auto update is not recommended unless approved by the administrator of firewall . We recommend that the EMS for life cycle management of firewall should be able to upgrade the box by downloading software and updating when required . Kindly clarify if such solution is accepted .	RFQ cum RFP prevails
379.	Volume III, TR-1 Technical Requirement , ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS ,	General Query		We recommend to have DDOS solution integrated with Core Router so as to stop the DDOS attacks coming in from out side world. This will ensure enhanced security for the complete . We recommend at least 5 Gbps of DDOS solution to be implemented and planned along with Core router so as to stop the attack at edge only .	RFQ cum RFP prevails
380.	The MSI shall provide unified storage for storing the video data for at least 30 days on-premise server. Any other non-video data which is generated on-premise shall be stored in unified storage.	TR 8.248	To ensure that a single repository is created for all the video feeds received, We request you to change this clause and modify to include Video Feed and additional requirement to be provisioned from Extenral Unified Storage.	Request you to amend the clause as below, "The MSI shall provide unified/SAN/NAS storage for storing the video data for at least 30 days. Any other non-video data which is generated on-premise shall be stored in unified/SAN/NAS storage."	RFQ cum RFP prevails
381.	Storage should support all industry	TR 8.252	RAID levels are typically divided into as Single	Request you to amend the clause as below,	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	standard RAID type like RAID 0, 1, 10, 5,6 & 50.		Parity (RAID 3/4/5), Dual Parity (RAID 6/DP etc), Mirroring (RAID 10, 01, 50, 40, 60 etc). Different OEM may support these protection levels as best suited to the architecture of the Storage. For wider participation we request you to modify this clause and make it more generic.	"Storage should support all industry standard RAID type like RAID 0/ 1/10/5/6 or equivalent such as Single Parity, Dual Parity and Mirroring."	
382.	3.2.4 IIT Software Modules (ISM)	3.2.4 IIT Software Modules (ISM) page number 285	Virtualization software	<p>As department is considering virtualization , request to add some basic functional points to help bidder select the appropriate solution ---</p> <p>1)Virtualization solution should include bare metal hypervisor with functionality of proactive high availability, zero downtime & zero data-loss without, live migration, secure boot ,network QOS, dynamic resource scheduling, hot add (CPU, Memory, Storage & Network), agentless intergation of antivirus , antimalware.</p> <p>2) Virtualization solution should provide configurable, customizable operations dashboards to provide real-time insight into infrastructure behavior and for capacity analytics, it should provide also provide infrastructure and operations analytics to eliminate time-consuming problem resolution processes through automated root</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				cause analysis, monitoring of OS resources (CPU, disk, memory, network) and reclaim resources from idle virtual machines and allocate to other VMs in automated fashion, what-if scenarios for adding/removing virtual machines , provide intelligent log analytics , collect and analyze all types of machine-generated log data such as network traces, configuration files. 3) Virtualization solution should provide 'Single VM' and 'Multi-tier' service authoring capabilities using graphical drag and drop canvas where cloud-agnostic infrastructure components should support ready integration with software delivered networking & security to provide automated delivery of services such as switching, routing, load balancing and firewalling	
383.	2.2.8.5 Data Hosting for IIT Business Requirements	BR 8.8 page number 221	Hosting Infrastructure shall have capability of handling enterprise workloads with autoscaling features.	Request you to rephrase this clause as --- Hosting Infrastructure shall have capability of handling enterprise workloads with autoscaling features , should be able to create & control the virtual machine density and choose physical to virtual ratio (up to a max of 1:6) .The CSP should provide an architecture in Public Cloud which allows no dependency of shared infrastructure. The solution should be able to hot add, remove	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				virtual CPUs and memory.	
384.	2.2.8.5 Data Hosting for IIT Business Requirements	BR 8.9 page number 221	The proposed application cloud environment should provide flexibility to scale the environment vertically and horizontally: • Vertically: Upscale/downscale the solution to higher configuration Virtual Machines (i.e. VMs with different combinations of CPU and Memory); and • Horizontally: Add more Virtual Machines of the same configuration to a load balanced pool.	Request you to rephrase this clause as --- The proposed application cloud environment should provide flexibility to scale the environment vertically and horizontally: • Vertically: Upscale/downscale the solution to higher configuration Virtual Machines (i.e. VMs with different combinations of CPU and Memory); and • Horizontally: Add more Virtual Machines of the same configuration to a load balanced pool. • Automated addition of hosts/servers/nodes in scenarios of increment in workloads is possible, as well as automated removal and replacement of host/servers/nodes without any manual intervention	RFQ cum RFP prevails
385.	2.2.8.5 Data Hosting for IIT Business Requirements	BR 8.12 page number 221	Hosting Infrastructure shall have extremely high availability with no point of failure of the Compute / Virtual Machines and storage volumes.	Request you to rephrase this clause as --- Hosting Infrastructure shall have extremely high availability with no point of failure of the Compute / Virtual Machines and storage volumes and the provisioned application workload should be exclusively provisioned on dedicated infrastructure which are not shared with other customers. The network & security policies in the virtualization layer must be tied to the application	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				so as to ensure that there is no manual intervention in redefining Network & Security policies, in case of migration, from the public cloud to on premises and across multiple Cloud or vice versa	
386.	2.2.8.5 Data Hosting for IIT Business Requirements	BR 8.11 page number 221	Hosting Infrastructure shall have the characteristics such as rapid elasticity and ability to handle hardware failures without downtime.	Request you to rephrase this clause as --- Hosting Infrastructure shall have the characteristics such as rapid elasticity and ability to handle hardware failures without downtime should support automated addition of hosts/servers/nodes in scenarios of increment in workloads is possible, as well as automated removal and replacement of host/servers/nodes without any manual intervention	RFQ cum RFP prevails
387.	2.2.8.5 Data Hosting for IIT Business Requirements	BR 8.17 page number 221	For on Premise server room, the MSI shall deploy desired physical servers along with the applicable hardware like storage, firewall in the allocated server room.	Request you to rephrase this clause as --- For on Premise server room, the MSI shall deploy desired physical servers along with the applicable hardware like storage, firewall in the allocated server room , should provide unified view of the health, performance and security of workloads across on premise and service provider cloud. Deliver highly efficient and automated IT operations across multi cloud environment and it should be able to extending Layer-2 overlay across on	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				premise server room to cloud DC , so that same subnet is available across these sites for configuring virtual machines	
388.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS, Ethernet Switch – Layer 2, Type I - Industrial Grade Field Switch, TR 1.222	54 cum 35	The Industrial Grade Switch installed at the field shall have at least eight (8) 1000BaseTX ports with two 1 G fibre ports scalable up to 10G in future for backhaul (uplink) connectivity. The PoE/PoE+ feature may also be provided via industrial grade PoE/PoE+ injectors for these switches.	We would request to kindly remove the clause upgradable to 10G and increase two 1G fiber ports to 4 Nos. 1 G Fiber port. 4 Nos. 1G fiber port would be required at some places where same switch would be serving multiple rings and upgradable to 10G would change switches of almost all vendors from L2 to L3 , giving advantage to single vendor. Request to change as "The Industrial Grade Switch installed at the field shall have at least eight (8) 1000BaseTX ports with Four 1 G fibre ports for backhaul (uplink) connectivity. The PoE/PoE+ feature may also be provided via industrial grade PoE/PoE+ injectors for these switches".	RFQ cum RFP prevails
389.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS, Ethernet Switch – Layer 2, Type I - Industrial Grade Field Switch, TR	54 cum 35	The copper ports shall support PoE / PoE+.	Since there is PTZ camera we would recommend to have atleast 1 or 2 HPOE port. "The copper ports shall support PoE , PoE+ & HPOE port ".	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	1.223				
390.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS, Ethernet Switch – Layer 2, Type I - Industrial Grade Field Switch, TR 1.226	54 cum 35	The industrial grade switches shall support: <ul style="list-style-type: none"> • IEEE 802.3, 802.3ad, 802.3u, 802.3ab, 802.3z, 802.3x protocols; • IEEE 802.1D for STP, 802.1w for Rapid STP, 802.1s for Multiple Spanning Tree Protocols; • IEEE 802.1q for VLAN tagging, 802.1p for CoS, 802.1X for Authentication and 802.3ad for port trunk LACP; and • Broadcast storm protection, RADIUS, SSL/SSH security. 	We would recomend to include security portion as well "The industrial grade switches shall support: <ul style="list-style-type: none"> • IEEE 802.3, 802.3ad, 802.3u, 802.3ab, 802.3z, 802.3x protocols; • IEEE 802.1D for STP, 802.1w for Rapid STP, 802.1s for Multiple Spanning Tree Protocols; • IEEE 802.1q for VLAN tagging, 802.1p for CoS, 802.1X for Authentication and 802.3ad for port trunk LACP; and • Broadcast storm protection, RADIUS, SSL/SSH Security, macsec security ." 	RFQ cum RFP prevails
391.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS, Ethernet Switch – Layer 2, Type I - Industrial Grade Field Switch, TR 1.228	54 cum 35	All switches installed on-field shall be capable of working in the harsh environmental conditions with immunity to EMI and heavy electrical surges. They shall support: <ul style="list-style-type: none"> • EN-60950-1 or Equivalent; and • FCC Part 15 Class A. All standards to be latest as per Manufacturer's certifications.	Request to add few more ruggedized features to get all switches at par. "All switches installed on-field shall be capable of working in the harsh environmental conditions with immunity to EMI and heavy electrical surges. They shall support: <ul style="list-style-type: none"> • IEC 60255-21-2 (mechanical shock) • IEC 60255-21-1 (vibration) • EN 61000-4-5 (Surge Immunity, Class 4) • EN 61000-4-5 (Surge Immunity, Class 4) • EN-60950-1 or Equivalent; and • FCC Part 15 Class A. All standards to be latest as per Manufacturer's certifications."	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
392.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS, Ethernet Switch – Layer 2, L2 SWITCH (Server/Workstation Connectivity Ethernet Switch – Minimum 24 Ports), TR 1.426	61 cum 42	Switch should have minimum 2 GB RAM and 2 GB Flash.	We feel 2 GB for RAM and Flash for L2 switch is on very higher side. Request to change it as 1GB RAM & Flash. " Switch should have minimum 1 GB RAM and 1 GB Flash".	RFQ cum RFP prevails
393.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS, Ethernet Switch – Layer 2, L2 SWITCH (Server/Workstation Connectivity Ethernet Switch – Minimum 24 Ports), TR 1.427	61 cum 42	Shall support GARP VLAN Registration Protocol or equivalent feature to allow automatic learning and dynamic assignment of VLANs	MVRP is industry standard protocol. GARP is OEM specific protocol	RFQ cum RFP prevails
394.	IIT-MSI-RFQ cum RFP-Volume III-	62 cum 42	Switch should support atleast 16K flow entries	L2 switch doesnot require such high configurations.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Terms of Reference, ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS, Ethernet Switch – Layer 2, L2 SWITCH (Server/Workstation Connectivity Ethernet Switch – Minimum 24 Ports), TR 1.442			"Request to change to 1000 Multicast entries"	
395.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS, Ethernet Switch – Layer 2, L2 SWITCH (Server/Workstation Connectivity Ethernet Switch – Minimum 24 Ports), TR 1.443	62 cum 42	Switch should support 128 or more STP Instances.	L2 switch doesnot require such high configurations. "Request to change to 100 STP instance"	RFQ cum RFP prevails
396.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference,	62 cum 42	Should support minimum 11K IPv4 routes or more	L2 switch doesnot require such high configurations. "Request to change to 256 IPV4 and 128 IPV6 static and RIP route"	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS, Ethernet Switch – Layer 2, L2 SWITCH (Server/Workstation Connectivity Ethernet Switch – Minimum 24 Ports), TR 1.445				
397.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, ACTIVE ELECTRONICS / ETHERNET SWITCHES AND ROUTERS, Ethernet Switch – Layer 2, L2 SWITCH (Server/Workstation Connectivity Ethernet Switch – Minimum 24 Ports), TR 1.455	62 cum 42	Should support Media access control (MAC) authentication to provide simple authentication based on a user's MAC address	MACSEC is important in security point to control and mid way intrusion. "Should support Media access control (MAC) authentication to provide simple authentication based on a user's MAC address. Macsec security to be included".	RFQ cum RFP prevails
398.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, TR - 2 Technical Requirements, TR	75 cum 56	<ul style="list-style-type: none"> • Organization IEEE: Ø IEEE 802.11a/b/g/n/ac; • Organization European Standard (EN): Ø EN50121-1 EMC or UL/IEC/EN 60950; 	<ul style="list-style-type: none"> • Organization IEEE: Ø IEEE 802.11a/b/g/n/ac; • Organization European Standard (EN): Ø EN50121-1 EMC or UL/IEC/EN 60950; 	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	2.3		<ul style="list-style-type: none"> • Organization Underwriters Laboratory and IEC; • Department of Telecommunications guidelines; • Telecom Regulatory Authority of India guidelines. 	<ul style="list-style-type: none"> • Organization Underwriters Laboratory and IEC; • Department of Telecommunications guidelines; • EMI and susceptibility (Class B) • Telecom Regulatory Authority of India guidelines. 	
399.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, TR - 2 Technical Requirements, TR 2.4	75 cum 56	The Wi-Fi access point shall be Outdoor rated, dual radio, 802.11ac Wave II, 5-GHz and 2.4-GHz. It shall support operations in 802.11a/b/g/n/ac.	Please add additional standard feature . "The Wi-Fi access point shall be Outdoor rated, dual radio, 802.11ac Wave II, 5-GHz and 2.4-GHz. It shall support operations in 802.11a/b/g/n/ac , maximum concurrent data rate of 1.267 Gb/s (867 Mb/s in 5 GHz and 400 Mb/s in 2.4 GHz)"	RFQ cum RFP prevails
400.	Volume III, DISTRIBUTION SWITCH AT POP	55	Switch should support 16K Multicast Routing entry	Switch should support 4K Multicast Routing entry.	RFQ cum RFP prevails
401.	Volume III, DISTRIBUTION SWITCH AT POP	55	RIP for IPv4 (RIPv1/v2) and IPv6 (RIPng)	Request you to delete this clause.	RFQ cum RFP prevails
402.	Volume III, DISTRIBUTION SWITCH AT POP	55	Shall support GARP VLAN Registration Protocol or equivalent feature to allow automatic learning and dynamic assignment of VLANs	Request you to delete this clause.	RFQ cum RFP prevails
403.	Volume III, DISTRIBUTION SWITCH AT POP	56	Should support Streaming Telemetry, Netflow/Sflow/Jflow, SPAN, RSPAN or equivalent	Should support Streaming Telemetry, Netflow/Sflow/Jflow/Cflow, SPAN or RSPAN or equivalent	RFQ cum RFP prevails
404.	Volume III,	56	Safety and Emission	Safety and Emission standards	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	DISTRIBUTION SWITCH AT POP		standards including UL 60950-1; IEC 60950-1; VCCI Class A; EN 55022 Class A	including UL 60950-1; IEC 60950-1; VCCI Class A; EN 55022 Class A or 55024	
405.	Volume III, DISTRIBUTION SWITCH AT POP	56	System should be tested and certified for EAL 2 or above or NDPP certified at time of delivery	Request you to delete this clause.	RFQ cum RFP prevails
406.	Volume III, DISTRIBUTION SWITCH AT POP	56	Operating temperature of 0°C to 40°C	Operating temperature of 5°C to 40°C	RFQ cum RFP prevails
407.	Volume III, CORE SWITCH	57	Shall have minimum 320 Gbps of switching capacity per slot with total switch throughput of 1.2 Tbps full duplex	Shall have total switch throughput of 2 Tbps full duplex	RFQ cum RFP prevails
408.	Volume III, CORE SWITCH	57	Switch should be supplied with minimum 12 x 1 G Fibre port	Switch should be supplied with minimum 8 x 1 G Fibre port	RFQ cum RFP prevails
409.	Volume III, CORE SWITCH	57	Switch should be supplied with minimum 12 x 10G fibre ports	Switch should be supplied with minimum 8 x 10G fibre ports	RFQ cum RFP prevails
410.	Volume III, CORE SWITCH	58	The switch should have 500K IPV4 and 500K IPV6 Routes	The switch should have 2M IPV4 and 1M IPV6 Routes	RFQ cum RFP prevails
411.	Volume III, CORE SWITCH	59	Operating temperature of 0°C to 40°C	Operating temperature of 5°C to 40°C	RFQ cum RFP prevails
412.	Volume III, CORE SWITCH	59	System should be tested and certified for EAL 2 or above or NDPP or NDcPP certified at time of delivery	Request you to delete this clause.	RFQ cum RFP specifies minimum compliance
413.	Volume III, CORE SWITCH	59	Safety and Emission standards including UL 60950-1; IEC 60950-1; VCCI Class A; EN 55022 Class A	Safety and Emission standards including UL 60950-1; IEC 60950-1; VCCI Class A; EN 55022 Class A or 55024	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
414.	Volume III, CORE ROUTER	59	The router should have capability of minimum 2 million IPv4 and 2 Mil IPv6 routes	The router should have capability of minimum 2 million IPv4 and 1 Mil IPv6 routes	RFQ cum RFP prevails
415.	Volume III, CORE ROUTER	61	Humidity – 10% to 90% Non-Condensing	Humidity – 5% to 85% Non-Condensing	RFQ cum RFP prevails
416.	Volume III, CORE ROUTER	61	Minimum 6 x 40G fibre port from day 1 and scalable 6 X 100G in future.	Minimum 2 x 40G fibre port from day 1 and scalable 2 X 100G in future.	RFQ cum RFP prevails
417.	Volume III, CORE ROUTER	61	Minimum 12 x 10G fibre port from day 1	Minimum 10 x 10G fibre port from day 1	RFQ cum RFP prevails
418.	Volume III, CORE ROUTER	61	Minimum 12 X 1Gig fibre port from day 1	Minimum 20 X 1Gig fibre port from day 1	RFQ cum RFP prevails
419.	Volume III, Type I - Industrial Grade Field Switch	54	We request to amend the clause to " The Industrial Grade Switch installed at the field shall have at least eight (8) 1000BaseTX ports with four 1 G fibre ports" as same is specific to single OEM and restrictive to others.	We request to amend the clause to " The Industrial Grade Switch installed at the field shall have at least eight (8) 1000BaseTX ports with four 1 G fibre ports" as same is specific to single OEM and restrictive to others.	RFQ cum RFP prevails
420.	Volume III, City's Integrated Operations Centre	233	The smart city platform shall be able to normalize the data coming from different devices of various OEMs. It shall support integration with multiple vendors.	Following sentence should be included - Integration should be using standard protocols and/or REST API	RFQ cum RFP prevails
421.	Volume III, City's Integrated Operations Centre	233	The data store function shall acquire data both automatically and manually. Automatic data acquisition shall be met through industry-standard data transports. Data	DDE and OPC are specific to Microsoft Windows based systems. Hence should be removed. Instead requirement should be data store functions shall support standard transport protocols used in industry	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Acquisition via Dynamic Data Exchange (DDE) and for Process Control (OPC) along with other proprietary transports shall also be supported.		
422.	Volume III, City's Integrated Operations Centre	233	Integrate with other SCADA/IoT based systems including water and wastewater, power, solid waste and streetlighting (providing by Others) at the CIOC for monitoring and control of these systems. Note that these SCADA based systems shall be primarily monitored and controlled from their respective system. However, the smart city platform shall provide the capabilities to DMIC IITGNL operators to visualize all attributes and override the control of these systems as per the defined standard operating procedures for critical functionalities only.	Assumption is that these SCADA/IOT based systems shall need to send data feed simultaneously to legacy system as well as IOT platform.	RFQ cum RFP is clear
423.	Volume III, City's Integrated Operations Centre	234	The overall work shall be in reference to standards published as per ISO 37120, ISO 37122 and World Council of City Data (WCCD).	We request you to please delete this Clause as the Standard ISO 37120 & 37122 are applicable for the Methodologies for set of Indicators to steer & measure the performance of city services & quality of life. However this RFP does not any	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				Component to be Integrated with CIOC for which this measurement Indicators are defined.	
424.	Volume III, City's Integrated Operations Centre	235	The platform shall be capable of managing/monitoring all city functions. These functions shall be incorporated into the platform with a single user interface.	Need clarity on which all functions are to be considered as a part of the requirement	RFQ cum RFP is clear
425.	Volume III, City's Integrated Operations Centre	235	The platform shall support integration with all other systems being provided by others as part of this Project and as provided by other Contractors.	Systems mentioned in FR 9.11 are being considered. Please confirm	RFQ cum RFP is clear
426.	Volume III, City's Integrated Operations Centre	235	Some of the systems shall have their respective SCADA system for monitoring and control. Using the smart city platform, visualizations of all data received from these SCADA systems is possible. However, only critical functionality defined using the SOPs shall be enabled using the smart city platform for the purposes of monitor and control of these systems.	Assumption is that these SCADA based systems shall need to send data feed simultaneously to legacy system as well as IOT platform.	RFQ cum RFP is clear
427.	Volume III, City's Integrated Operations Centre	239	Reporting function shall be a part CIOC dashboard visualization tool. It shall provide information about	Highlighted clause is very generic. Also reports have to be designed and created basis requirement. Creation of new reports on the fly is	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<p>current status of the CIOC on functions performed. Following functionalities shall be supported by Reporting Module as a minimum:</p> <ul style="list-style-type: none"> • Reporting module shall offer a library of “statement”, “report” and “predefined dashboards” which can be easily modified as per DMIC IITGNL needs; • It shall allow the design of new reporting templates (creation of new fields, graphical formats, flat tabular formats, calculations, sorting, totals, sub totals, combination of existing reports etc.). <p>Moreover, the users should be able to export/import data for/from external applications not limited to for example excel/ MS-access, for specific reports;</p> <ul style="list-style-type: none"> • It shall allow creation or insertion of graphics into the generated documents or reports or dashboards. <p>Nevertheless, “developing customer documents” must be within the reach of the users;</p>	<p>not practically viable. So the clause should be made optional. Document creation/printing should not be a part of IOC software. This clause should be removed since this is not a functionality of IOC</p>	

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<ul style="list-style-type: none"> • Print outs shall be available on paper (A4 and A3) and in an electronic file format, as text files in column, Microsoft Excel or Adobe PDF document. In addition to the Microsoft suite of products, compatibility should also be ensured with the corresponding open source equivalent suite of office products; and • Generating recurring reports should be automated. 		
428.	Volume III, City's Integrated Operations Centre	240	<p>Display of Standard Operating Procedures (SOPs) shall be available where step-by-step instructions based on Client's policies and tools to resolve the situation shall be presented to operator in a quick and easy way for operator to verify the situation. Development of SOPs shall be the responsibility of MSI.</p>	Development of documents should be tracked in a document management system and should not be a part of IOC software. So not considered as a part of IOC software requirement. Please confirm.	RFQ cum RFP prevails
429.	Volume III, City's Integrated Operations Centre	240	Part of the visualization at the DMIC IITGNL CIOC will include monitoring a set of relevant ISO 37120 and ISO 37122 indicators. Some sample indicators	We request you to please delete this Clause as the Standard ISO 37120 & 37122 are applicable for the Methodologies for set of Indicators to steer & measure the performance of city services & quality of life.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<p>which are tentatively required to be monitored at CIOC are provided below:</p> <ul style="list-style-type: none"> • Assessed value of commercial and industrial properties as a percentage of total assessed value of all properties; • Primary education student/teacher ratio; • Total residential electrical energy use per capita (kWh/year); • Energy consumption of public buildings per year (kWh/m²); • Fine particulate matter (PM2.5) concentration; • Number of in-patient hospital beds per 100,000 population; • Percentage of the city's solid waste that is recycled; • Green area (hectares) per 100,000 population; • Percentage of city population with potable water supply service; and • Total domestic water consumption per capita (litres/day). 	However this RFP does not any Component to be Integrated with CIOC for which this measurement Indicators are defined.	
430.	Volume III, City's Integrated Operations Centre	241	Smart City Platform shall have SOPs and mechanisms to aid city official in case of disaster	Creation and storage of SOPs should be done in a document management system and should not be a part of IOC software. So not	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			events.	considered as a part of IOC software requirement. Please confirm.	
431.	Volume III, City's Integrated Operations Centre	257	<p>Smart city platform shall include the following core components as a minimum:</p> <ul style="list-style-type: none"> • Business Rules and SOP definitions – it shall enable users to define the business rules around incidents handling and emergency response as per the agreed SOPs with the Client for a smart city; • Platform – The platform shall provide a common data integration layer which can collect and contextualize information from disparate data sources regardless of individual source specific protocol. The platform shall support templization to allow 'build-once-deploy-everywhere' functionality; • Incidents lifecycle engine – It shall manage the life cycle of incidents and related entities via pre-defined workflows. Workflow for operational alerts and escalations should be triggered automatically without human intervention; 	<p>We suggest few modifications in certain sub points within this clause</p> <ul style="list-style-type: none"> - 'Build once deploy everywhere - API once created can be reused by other systems without changes in API. Also templization cannot be done since requirements change with every use case. So this clause should be removed - Incident life cycle mgmt - this is role of Incident management system (IMS). In case of any alarms triggered by the IMS to IOC, they can be displayed in IOC - Task management requirements are a part of Incident management system. However, basis certain triggers from IMS, actions should be defined in IOC - Regarding requirement of real time relational data base - IOC should store data for 1-2 weeks, however historical data should be fetched from data storage platform on demand. So highlighted section should be optional/modified - Mobility - Mobile application is not in scope of IOC. Mobile application should integrate with Incident management system (IMS) for workflow acknowledgement/closure by field engineers. Clause should be modified accordingly. 	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<ul style="list-style-type: none"> • Task management – It shall manage planning, preparation of an incident including resource allocation, task management, etc.; • Analytics and MIS – It shall provide users with business analytics, reporting and tools to organize, evaluate and efficiently perform day to day operations; • Reports and Dashboards – It shall provide filterable reports and dashboards about critical information pertaining to incidents and KPIs collated in a single view which can be drilled down further for more detailed information; • Security and Roles – It shall manage roles definition for internal and external access; • Historian - Platform shall have in-built function to store all platform related data for a user defined period of time; • The platform shall provide a real-time relational database storage for long-term storage of process data. The data 		

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<p>store shall enable the storage of real-time and historical data for each analog, discrete or string tag name. It shall also store summary, event, alarm and configuration data;</p> <ul style="list-style-type: none"> • The platform data store shall have store and forward capability. If the data store is offline or unreachable, the engine servicing active objects shall store data locally, and forward the buffered data to the data store with time stamps and quality information when the data store server is available; • Centralized data archiving for operational data – It shall provide facility for centralized storage of operational data (time series or transactional) with high granularity and data compression capabilities; and • Mobility – It shall enable operators and the crew members to access the workflow task assigned to them and act using the native mobile application. 		

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			They should be able to close the loop of workflow by acknowledging the real time status of action assigned to them.		
432.	Volume III, City's Integrated Operations Centre	258	The platform shall have cross functional workflows with ability to communicate between people, devices and systems.	people' mentioned in the clause should be removed. IOC application can send data to notification engine which can send information to persons. IOC directly doesnot send notification to end user. IOC as a platform should not be used for communication between people to people. Hence this part of the clause should be removed.	RFQ cum RFP prevails
433.	Volume III, City's Integrated Operations Centre		New Clause to be added	The Open Platform Video Management Software (VMS) Application & Video Analytics Software (VAS) Application (ATCC & ANPR) should be Brand Agnostic & should support various third Party ONVIF IP Cameras, this is Compulsorily required so that the Same VMS Applications can be scaled up in future by just Adding third Party IP Cameras & Additional Software Licenses. A Declaration Letter from the VMS Application OEM shall be required Stating the VMS Application can Support various 3rd Party IP Cameras & that the Declaration should also mention Min. 10 IP cameras Brands which are already Integrated with the VMS Application as on RFP Release Date	RFQ cum RFP prevails
434.	Volume III, City's		New Clause to be added	The Offered Video Management	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Integrated Operations Centre			Software (VMS) should be ONVIF S, G & T Profile Compliant. The Declaration of ONVIF S, G & T Profile shall be available on ONVIF Official Website www.onvif.org in the Conformant Devices.	
435.	Volume III, City's Integrated Operations Centre		New Clause to be added	The ANPR Software shall be Supported on both Windows & LINUX OS Platforms.	RFQ cum RFP prevails
436.	Volume III, City's Integrated Operations Centre		New Clause to be added	Smart city platform should be designed for any access, any protocol and any application supporting IP, Non-IP, Fixed, Cellular, Licensed and Unlicensed networks.	RFQ cum RFP prevails
437.	Volume III, City's Integrated Operations Centre		New Clause to be added	Smart City platform should support cloud native containerized/VM based depolyment	RFQ cum RFP prevails
438.	Volume III, City's Integrated Operations Centre		New Clause to be added	Smart city platform should provide 99.95% uptime with a geo redundant architecture support	RFQ cum RFP prevails
439.	Volume III, City's Integrated Operations Centre		New Clause to be added	Smart city platform should support standard protocols OMA-DM, LWM2M, MQTT, TR-069, LoRAWAN, NB-IOT, 5G, LTE-M, LTE, pLTE, WiFi etc which are used in LPWA applications	RFQ cum RFP prevails
440.	Volume III, City's Integrated Operations Centre		New Clause to be added	Smart city Platform should support segregation of visibility/control of devices/applications across different departments/user roles within CIOC i.e specific users should have read rights of only some resources (devices/applications), some users to have access and control of all devices as well as	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				users.	
441.	Volume III, City's Integrated Operations Centre		New Clause to be added	Smart city platform should support automation of device management capabilities like device detection, registration, inventory, provisioning, diagnostic maintenance, fault management, software and firmware upgrade to achieve entire life cycle management of singel/selected/all deployed devices. This should be possible for all types of devices. It should be possible to perform detection, provisioning, registration and software and firmware upgrade of devices for group of devices simultaneously	RFQ cum RFP prevails
442.	Volume III, Enterprise Management System (EMS)	18	FR 1.58; The proposed solution shall provide at a minimum the following functions: <ul style="list-style-type: none"> • Configuration Management; • Fault Management; • Incident, Problem and Change Management; • Asset Management; • Remote Control; • SLA Management & Monitoring; • Performance Management; • Monitoring Backup and Management; • Event Management; • Server, Storage and other Infrastructure 	In the RFP the asked EMS software consists of multiple components which needs to work in a synchronized manner to provide consolidated view of the complete IT infrastructure, which is the normal and expected deliverable from an EMS solution. So, having all these components from the same OEM will ensure that the components are pre-integrated and adequately tested and hence time to value realization is quick and issues of integration does not arise. Hence requesting you to please review and update the following clause: "The proposed EMS solution should be an integrated, modular and scalable solution from single OEM	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<p>Management;</p> <ul style="list-style-type: none"> • Monitor Network Components of the LAN & WAN; • Network Link Monitoring; • Monitoring cloud hosting, as applicable. • Helpdesk Monitoring, Management And Reporting; And • Traffic analysis. 	<p>and shall provide at a minimum the following functions:</p> <ul style="list-style-type: none"> • Configuration Management; • Fault Management; • Incident, Problem and Change Management; • Asset Management; • Remote Control; • SLA Management & Monitoring; • Performance Management; • Monitoring Backup and Management; • Event Management; • Server, Storage and other Infrastructure Management; • Monitor Network Components of the LAN & WAN; • Network Link Monitoring; • Monitoring cloud hosting, as applicable. • Helpdesk Monitoring, Management and Reporting; And • Traffic analysis. 	
443.	Volume III, Enterprise Management System (EMS)	18	FR 1.58; The proposed solution shall provide at a minimum the following functions:	Transforming to a single platform to simplify the management of the evolving software defined and dynamically changing networks. Hence requesting you to please include the following clause "EMS should provide integrated fault, performance Monitoring, Configuration & compliance Management together in one tool."	RFQ cum RFP prevails
444.	Volume III,	19	FR 1.60; The proposed	While this RFP point mentions the	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Enterprise Management System (EMS)		solution shall provide the ability to view the network and its associated IP SNMP/ICMP enabled devices including switches and other IP devices connected over the network. t shall support a minimum of 1000 end points at day 1 and shall be scalable up to 5000 end points to cater future requirements.	scalability requirement of up to 5000 devices monitoring, but it doesn't ensure the solution provided is a tried and tested solution and already monitoring and managing 5000 devices in a similar scenario in Central Govt., State Govt. or PSUs. Asking such an experience will only ensure a tested solution is provided for this project and it will work. Hence request you to please confirm if you want "The proposed Enterprise Management Solution must have at least 2 deployments in any Central Government/ Public Sector/ State Govt or in any other Government institutions in India for monitoring & managing of at least 5000 devices in each of such deployments. One of such deployments must be successfully implemented and working for at least 3 years. OEM to provide copy of certificate from client that Enterprise Management solution is operational for at least 3 years in such deployments".	
445.	Volume III, Enterprise Management System (EMS)	18-19	FR 1.58 to FR 1.74	The Functional Requirement of EMS asked in FR 1.58 to FR 1.74 asks for an Enterprise level solution which can monitor and manage the IT infrastructure in a Smart City environment which is heterogeneous and complex. EMS is the only solution that gives visibility into the project from IT perspective and is	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				also responsible for SLA measurements and audits. So, asking for a solution which is analysed & recognized by leading analysts ensures that an industry standard solution is being proposed. Hence request you to please confirm if you want an Enterprise level EMS solution for this project as well and "the EMS OEM must be an industry standard, enterprise grade solution and shall be in the present in Gartner's MQ reports for NPMD and ITSM for at least last two years."	
446.	Volume III, Enterprise Management System (EMS)	19	FR 1.69; The proposed system shall include the ability to download software loads, activate new software loads, or get information about the active software load).	Request you to please confirm if our understanding is correct that software loads refer to the EMS software's patch and security updates that the respective OEM releases to keep the software up-to date. If, this does not relate to EMS software, then our request is to please remove this point from EMS section.	RFQ cum RFP is clear
447.	Volume III, Enterprise Management System (EMS)	18-19	FR 1.58 to FR 1.74	ISO certifications like ISO 9001, 27001 & ISO 27034 ensure that the proposed software product is secure and will ensure there is no security breach in the customer environment through these software products. Third party Application Security has become a very critical aspect in any IT project, reason being, now hackers are focusing on breaking into third party softwares as a medium to penetrate into and	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				<p>access the IT infrastructure. So, ensuring the critical third party softwares used are secured is of utmost importance. So, ISO 9001, 27001 & 27034 standard helps organizations integrate security controls in the software through their software development cycle, by defining security frameworks & vulnerability management processes. This certification protects customer assets from potential cyber breaches & security threats while complying with the Application security standards.</p> <p>It addresses all aspects from determining information security requirements, to protecting information accessed by an application as well as preventing unauthorized use and/or actions of an application.</p> <p>Hence request you to please confirm if you want OEM to be ISO certified from security perspective and want "the proposed solution must be an industry standard solution from an OEM that is ISO 9001, ISO 27001 & ISO 27034 certified from security perspective".</p>	
448.	Volume III, Enterprise Management System (EMS)	45	TR 1.497; The operation of the NMS shall be tested while the backbone network is under 30% network utilization.	As there is no use cases mentioned for this test, so we request you to please share use cases for this ask.	RFQ cum RFP prevails
449.	Volume III,	47	TR 1.529; The proposed	A smart city project is parameter	As per Bidder's solution

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Enterprise Management System (EMS)		helpdesk system shall support ITIL processes like request management, problem management, configuration management and change order management with out-of-the-box templates for various ITIL service support processes.	driven project where the MSIs performance is judged on the basis of the % of SLA it meets as set in the RFP by the end customer. To ensure the parameters are adhered by the MSI there are various SLAs that needs to be monitored, and in any smart city environment there are more than 10 such processes needed to be monitored like - Incident management, Problem Management, Change Management, Knowledge Management, Service Level Management, Service Asset and Configuration management, Service Catalogue and Request Fulfilment, etc. But in RFP, only 4 processes are asked by name and this will only encourage the MSI to provide a solution which will limit the same to 4 processes only and will skip the other critical processes required in a smart city project, unless the same are asked in the RFP. Requesting you to please update the clause to ensure the MSI proves a tool that will cover all the critical processes i.e. at least 10 or 10+ processes as per follows: "The proposed Helpdesk system should be Axelos Gold level/Pink Elephant certified on at least 10+ ITIL 2011 processes like : Incident management, Problem Management, Change Management, Knowledge Management, Service	to meet RFQ cum RFP requirements.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				Level Management, Service Asset and Configuration management, Service Catalogue and Request Fulfilment, etc. The certification copy to be submitted."	
450.	Volume III, Enterprise Management System (EMS)	47	TR 1.543; An information security incident is an event (or chain of events) that compromises the confidentiality, integrity or availability of information. All information security incidents that affect the information or systems of the enterprise (including malicious attacks, abuse / misuse of systems by staff, loss of power / communications services and errors by users or computer staff) shall be dealt with in accordance with a documented information security incident management policy.	As such Information Security Incident Management policy parameters are not mentioned in the RFP, our request is to please share more details on security incident management policy .	RFQ cum RFP prevails
451.	Objectives / Bid data Sheet	10 , 47	The MSI will be selected under Least Cost Based Selection (LCBS) and procedures described in this RFQ cum RFP.	Considering the scope of work and quality of project components we suggest to modify evaluation to 70:30 / 80: 20 (Technical :Commercial).	RFQ cum RFP prevails
452.	Vol -II, CI 24 ,CI 61	CI 24 , Pg 35, CI 61 , Pg 66	There are following exceptions to the limitation of liability - *Exceptions to Direct Liability: IP	You requested to delete exceptions to the limitation of liability. The exceptions render the limitation of liability ineffective and make the	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Indemnity	liability unlimited.	
453.	Vol- I, Sr. No. 8, NDA, Pg 88, Vol II, Pg 89	Sr. No. 8, NDA, Pg 88, Vol II, Pg 89	Indemnity for breach of confidential obligations	There are several remedies available under law and contract for such breach of obligations. We request you to kindly delete these. Alternatively, kindly cap these indemnities to limitation of liability cap or one time the fees payable to us under this Agreement.	RFQ cum RFP prevails
454.	Vol- I, Sr. No. 10, NDA, Pg 88, Vol II, Pg 89 read with Vol- II, Cl 44.7, Pg 48	Vol- I, Pg 88, Vol II, Pg 89 read with Vol- II, Cl 44.7, Pg 48	Obligations to survive for more than a year post expiry or termination of contract	We request you to reduce the survival period of confidentiality obligations to one year post expiry or termination. Further, there is a contradiction to the survival of confidentiality obligations. Confidentiality obligations will survive for a period of 3 years from the date of expiry or termination as per GCC and SCC. However as per the NDA or Non disclosure Declaration, obligations are to survive till perpetuity. Please confirm the appropriate survival period.	RFQ cum RFP prevails
455.	Vol- I, Sr. No. 10, NDA, Pg 88, Vol II, Pg 89 read with Vol- II, Cl 44.7, Pg 48	Vol- I, NDA, Pg 88, Vol II, Pg 89 read with Vol- II, Cl 44.7, Pg 48	Obligation to return all confidential information / destroy all confidential and no right to retain a copy	We request you to allow us to retain our working papers and a copy of confidential information for our records and any future reference or audit requirements, subject to confidentiality obligations under this Agreement.	RFQ cum RFP prevails
456.	NA	NA	No clause in RFP. -No right to disclose client name or project for citation / reference purposes	Please appreciate that this is a prestigious project for us and we would like to showcase this project in our future proposals. We request client to allow us to refer to you and the services we have performed for	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				you for citation / reference purposes, as long as we do not disclose your confidential information.	
457.	Vol -II, CI 19.1 (viii) Pg 29, CI 42.8, Pg 48, CI 60, Pg 64	Vol -II, CI 19.1 (viii) Pg 29, CI 42.8, Pg 48, CI 60, Pg 64	Indemnities for IPR infringement claims exceptions are provided, however they should sole and exclusive remedy against infringement.	We request you to make the remedies, constitute Indemnified Party's sole and exclusive remedies and Indemnifying Party's entire liability with respect to infringement.	RFQ cum RFP prevails
458.	Vol -II, CI 19.1 (ii), (iii) & (v) Pg 29	Vol -II, CI 19.1 (ii), (iii) & (v) Pg 29	Indemnity for breach of contract obligations, representations and warranties, non compliance & application of applicable law	<p>There are several remedies available under law and contract to you for such breach of obligations. For eg, there are penalties and LDs that may be imposed for some of these breaches. Seeking indemnities for such breaches frustrates the entire purpose of such remedies available to you. We understand that remedies other than indemnity will be sufficient for such breaches. We request you to kindly delete this section.</p> <p>If you still insist on retaining this section, then we request you to at least make them subject to overall cumulative liability cap of total contract value and subject to final determination of court/arbitrator.</p>	RFQ cum RFP prevails
459.	Vol -II, CI 19.1 (i), Pg 29	Vol -II, CI 19.1 (i), Pg 29	Indemnities for tax non payment	<p>In the GST regime, this clause may not be feasible. We request you to kindly delete this clause.</p> <p>Alternatively, kindly limit liability under this clause to reimburse you any penalty / fine that may be</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				imposed on you solely due to breach of GST laws on our part, subject to overall cap of one time the fees payable to us under this agreement.	
460.	Vol -II, Cl 19.1 (iv), (vi) & (vii) Pg 29, Cl 64.2, Pg 67	Vol -II, Cl 19.1 (iv), (vi) & (vii) Pg 29, Cl 64.2, Pg 67	Indemnities for death and bodily injury/sickness/damage to property including third party property	Request you to kindly delete these. Alternatively, kindly cap these indemnities to limitation of liability cap or one time the fees payable to us under this Agreement.	RFQ cum RFP prevails
461.	NA	NA	No clause in RFP. Indemnities not subject to final determination by court/arbitrator	We agree to indemnify to the extent the damages/losses are finally determined by a competent court or arbitration. Please make indemnities subject to final determination by court/arbitrator. This is also the industry standard and prescribed by Meity in its guidelines.	RFQ cum RFP prevails
462.	Vol II- Cl. 18.1.2, Pg 22	Vol II- Cl. 18.1.2, Pg 22	Termination notice period not clearly defined for entire termination Clause 18. Further rectification period should be provided for any event of default set out pursuant to Cl 18.1. 1 (iv) (d) & (e) .	We request you to define the Termination notice period as the same is not clearly defined for entire termination Clause 18. Further rectification period should be provided for any event of default set out pursuant to Cl 18.1. 1 (iv) (d) & (e).	RFQ cum RFP prevails
463.	Vol. I- Pt (a), Pg 20; Declaration No. (d), Appendix 1, Pg 62; Declaration No. (b), APPENDIX 13, Pg 91; Vol-II, Cl 22, Pg 33; Vol. I- Pt 2, Pg 18	Vol. I- Pt (a), Pg 20; Declaration No. (d), Appendix 1, Pg 62; Declaration No. (b), APPENDIX 13, Pg 91; Vol-II, Cl 22,	Several conflict of interest related obligations on us	We request you to define the Termination notice period as the same is not clearly defined for entire termination Clause 18. Further rectification period should be provided for any event of default set out pursuant to Cl 18.1. 1 (iv) (d) & (e).	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
		Pg 33; Vol. I- Pt 2, Pg 18			
464.	Vol- II, Cl 55, Pg 59 read with SCC Pg 82; Vol-II, Cl 4.3.2, Pg 92	Vol- II, Cl 55, Pg 59 read with SCC Pg 82; Vol-II, Cl 4.3.2, Pg 92	LD capped at 10% of TCV during implementation and DLP phase + 10% of total milestone payment as per the TOR + SLA penalties capped at 40% of quarterly payment (with an option to terminate if this exceed 20% of quarterly payment of OPEX. Penalty at SR. No. 5, pg. 111 shall not be covered in the SLA penalty Cap)	We request you to cap the liquidated damages/penalties cumulatively to 5% of the total contract value.	RFQ cum RFP prevails
465.	No clause in RFP.	No clause in RFP.	Liquidated damages- Not sole and exclusive remedy	We understand that as per Contract Act, where LDs are stipulated, generally any other damages cannot be claimed. Therefore we request you to kindly make imposition of liquidated damages as sole and exclusive remedy for corresponding breaches.	RFQ cum RFP prevails
466.	No clause in RFP.	No clause in RFP.	Liquidated damages-Not limited to solely our fault	We understand that we would be liable to pay liquidated damages to the extent corresponding breach is solely attributable to us. Kindly confirm.	RFQ cum RFP prevails
467.	Vol II- Cl. 18.1.7, Pg 24	Vol II- Cl. 18.1.7, Pg 24	Risk purchase	Request you to limit our liability under this clause to 10% of the value of corresponding goods/services not delivered by us. Please also confirm that you will use government procurement norms (including price discovery) for procurement of such services from	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				third parties.	
468.	Vol- II, CI 42.3 and 43, Pg 45	Vol- II, CI 42.3 and 43, Pg 45	No complete protection to our pre-existing IPRs	<p>There are innumerable IPRs that exist with us which we would like to use to your benefit while delivering our services to you. These are our pre-existing IPRs and we use it for all clients. We will not be able to give ownership in such IPRs to you just because we are using them for providing services to you, like we use these for other clients. We request that we are allowed to retain ownership of our pre-existing IPRs, else we might be not be able to use these in providing services to you in order to protect our ownership in them. We request you to kindly include the below clause. This is also the standard mentioned by Meity in its guidelines.</p> <p>Notwithstanding anything to the contrary in this agreement, Consultant will retain the ownership of its pre-existing intellectual property rights (including any enhancement or modification thereto) even if such IPRs are used for creating deliverables, are incorporated in the deliverables, etc. To the extent such pre-existing IPRs are included/incorporated in the deliverables, upon receipt of all due and payable payment in full, the Consultant shall grant a non-exclusive, perpetual and fully paid</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				up license to the Purchaser/Client to use such pre-existing IPRs for use of deliverables for the purpose for which such deliverables are meant for client's internal business operations.	
469.	Vol -II, CI 25 Pg 35 read with SCC Pg 78	Vol -II, CI 25 Pg 35 read with SCC Pg 78	Wide insurance procurement obligations	We wish to clarify that we maintain insurances, at the firm level, which are required to be maintained by us as per the provision of laws. Separate insurances for this project may not be required in light of such firm level insurance. We can provide you with a confirmation about our firm level insurance and that to the extent required by law, this project will also be covered under that insurance. We hope that should suffice. Please confirm.	RFQ cum RFP prevails
470.	Vol -II, CI 26 Pg 36; Vol. I- Pt 3.2, Pg 21	Vol -II, CI 26 Pg 36; Vol. I- Pt 3.2, Pg 21	Widely worded audit rights	We wish to clarify that we will retain our records as per our records retention policies. Upon reasonable notice, we will allow Client to inspect our invoicing records under this engagement; such inspection shall be done in a pre-agreed manner and during normal business hours. For avoidance of doubt, such inspection should not cause us to be in breach of our organizational confidentiality requirements. Please acknowledge that our audit related obligations will be subject to foregoing statement.	RFQ cum RFP prevails
471.	Vol -II, CI 19.7 Pg 30	Vol -II, CI 19.7 Pg 30	Survival obligations- Obligations to survive for more than a year post	We request that any obligation arising under the agreement shall survive for a period of 12 months,	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			expiry or termination of contract	post termination/expiry of the Contract	
472.	NA	NA	There is no restriction on the usage of deliverable. No third party disclaimers.	We will be providing services and deliverables to you under the contract. We accept no liability to anyone, other than you, in connection with our services, unless otherwise agreed by us in writing. You agree to reimburse us for any liability (including legal costs) that we incur in connection with any claim by anyone else in relation to the services. Please confirm our understanding is correct.	RFQ cum RFP prevails
473.	NA	NA	No acceptance criteria	If the project is to be completed on time, it would require binding both parties with timelines to fulfill their respective part of obligations. We request you that you incorporate a deliverable acceptance procedure, perhaps the one provided by Meity in their guidelines, or the one suggested below, to ensure that acceptance of deliverables is not denied or delayed and comments, if any, are received by us well in time. You may consider including the below simple clause: Within 10 days (or any other agreed period) from receipt of a draft deliverable, you will notify us if it is accepted. If it is not accepted, you will let us know the reasonable grounds for such non acceptance, and we will take reasonable remedial measures so that the draft	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				deliverable materially meets the agreed specifications. If you does not notify us within the agreed time period or if you use the draft deliverable, it will be deemed to be accepted.	
474.	Vol. I- Pt 4.6, Pg 22; Sr. No. 3, Pg 49, Sr. No. 3, Pg 78 (Pre-qualification requirement regarding blacklisting / debarment)	Vol. I- Pt 4.6, Pg 22; Sr. No. 3, Pg 49, Sr. No. 3, Pg 78	Blacklisting	You are requested to revise the pre-qualification regarding blacklisitng/ debarment. Entities that are not blacklisted / debarred at the time of the submission of bid should be allowed to participate in the tender process.	RFQ cum RFP prevails
475.	Vol. I- Pt 4.6, Pg 22; Sr. No. 3, Pg 49, Sr. No. 3, Pg 78 (Pre-qualification requirement regarding blacklisting / debarment)	Vol. I- Pt 4.6, Pg 22; Sr. No. 3, Pg 49, Sr. No. 3, Pg 78	Blacklisting	You are requested to allow us to submit the blacklisting declaration based on the present status of our blacklisitng / debarment as on date of submission of the bid. Therefore, we request you to allow us to provide the declaration as follows: I M/s., (the name of the Bidder) hereby certify and confirm that we are not barred or blacklisted by any Central / State Government Department or Central / State PSUs from participating in any project or being awarded any contract, either individually or as member of a consortium as on the Proposal Due Date.	RFQ cum RFP prevails
476.	Vol. I- Pt 4.7, Pg	Vol. I- Pt 4.7,	Eligibility Criteria and	W.r.t to this eligibility criteria and	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	22; Vol-I, Declaration no. (k) Appendix 1, Pg 63; Declaration No. 5, APPENDIX 13, Pg 90	Pg 22; Vol-I, Declaration no. (k) Appendix 1, Pg 63; Declaration No. 5, APPENDIX 13, Pg 90	declaration	declaration, we would like to clarify that that given the large volume of work performed by the Bidder, contracts with clients may on certain rare occasions be terminated, suspended or not renewed for a variety of reasons, the vast majority of which have only to do with normal business reasons or necessities. Please confirm.	
477.	Vol- I, Appendix 1, Pg 62	Vol- I, Appendix 1, Pg 62	Various Declaration are sought	For the purpose of this Appendix 1 and the proposal, we understand that wherever the term 'Associate' has been used, such term has the same meaning as the term "Associate" is defined under the (Indian) Companies Act, 2013.	RFQ cum RFP prevails
478.	Vol-I, Declaration no. (g) & (v) Appendix 1, Pg 63; Declaration No. 11, APPENDIX 13, Pg 91	Vol-I, Declaration no. (g) & (v) Appendix 1, Pg 63; Declaration No. 11, APPENDIX 13, Pg 91	Various Declaration are sought	With respect to this declaration, we request the client to allow the bidder to provide this with an additional clarification that : no investigation by a regulatory authority is pending either against bidder or against bidders Associates or against bidder CEO or any of bidders Directors/Managers/employees which if adversely determined, would impact the ability of Bidder to provide services under the aforementioned RFP. We also wish to clarify that such declaration is with respect to Directors/Managers/employees who are proposed to be deployed on the project and the term investigation would mean investigation with	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				reference to their official representation as an employee of the Bidder. Please confirm.	
479.	Vol-I, Declaration no. (j) Appendix 1, Pg 63	Vol-I, Declaration no. (j) Appendix 1, Pg 63	Various Declaration are sought	We request the you to allow us delete the words "Suppliers & service providers" for the purpose of this declaration.	RFQ cum RFP prevails
480.	Vol- II, Cl 7, Pg 15	Vol- II, Cl 7, Pg 15	Deployment & Location	<p>We request the consider to include appropriate language on the lines below (sample):</p> <p>"If there are any circumstances that reasonably restrict or affect the ability of Bidders's personnel to travel or to be physical present at any specific office/location, then without prejudice to your obligations (including your payment obligations), you shall allow such personnel to work from home or other remote location till the time such circumstances exist"</p>	RFQ cum RFP prevails
481.	Volume 3 Section: 2 Project Overview and Components	8	Triple Play Voice, Video and Data Services: MSI shall coordinate with various TSPs to incorporate their requirements in terms of dark fibre infrastructure.	The detailed requirements should be provided as part of the scope of work so as to enable MSI to estimate and provision any additional hardware/software items in the BoQ.	RFQ cum RFP is clear
482.	Volume 3 Section: 2 Project Overview and Components	8	ICT interface with Power, Water and Street Lighting Infrastructure for Internet of Things (IoT)	Please share the details of the existing/under implementation infrastructure and confirm whether the required APIs of the individual system would be provided by DMIC for integration at CIOC	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
483.	Volume 3 Section: 2 Project Overview and Components	8	ICT interface with Automated Waste Collection System	Please share the details of the existing/under implementation infrastructure and confirm whether the required APIs of the individual system would be provided by DMIC for integration at CIOC	RFQ cum RFP is clear
484.	Volume 3 Section: 2 Project Overview and Components	8	Power Discom	Please share the details of the existing/under implementation infrastructure and confirm whether the required APIs of the individual system would be provided by DMIC for integration at CIOC	RFQ cum RFP is clear
485.	Volume 3 Section: 2 Project Overview and Components	8	e-Land Management System	Please share the details of the existing/under implementation infrastructure and confirm whether the required APIs of the individual system would be provided by DMIC for integration at CIOC	RFQ cum RFP is clear
486.	Volume 3 Section: 2.1 Project Phasing	9	The Project and its components shall be implemented in a phased manner which will broadly be in-line with both the Client requirements and the on-site civil infrastructure. As the respective on-site civil infrastructure is in advanced stage of completion, the Project plan shall be flexible to accommodate the implementation of these modules before time. Some Project components may be implemented in	Since, the existing Civil & EPC works has to be performed in parallel with this project, therefore, a lot of dependencies would be inter-dependent. This may result in delay in implementation of overall/phase wise project components and shall be considered beyond the control of MSI. Hence, there should not be any penalties imposed on the MSI due to non-availability of work front, permissions or dependencies of other EPC works	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			parallel under different phases. The order of implementation may be subject to revisions based on Project priorities and discussions with the Client.		
487.	Volume 3 Section: 2.2.4.22 Enhancement of e-LMS	181	Enhancement of e-LMS	Kindly confirm whether the scope of MSI is limited to the integration of existing/under implementation of e-LMS with CIOC only or development of remaining/balance phases i.e. 2, 3 and 4 is also under the scope of MSI	RFQ cum RFP is clear
488.	Volume 3 Section: 3.2.9 City's Integrated Operations Centre (CIOC)	302	Entire CIOC area shall be approximately 3000 sq. ft.;	The area specified for entire CIOC is too less and should be atleast 8000-1000 Sq. Ft from a future scalability and requirement perspective	RFQ cum RFP prevails
489.	Volume 1, 7. Acknowledgement by Bidder	25	7.1 It shall be deemed that by submitting the Proposal, the Bidder has: (ii) accepted the risk of inadequacy, error or mistake in the information provided in the RFQ cum RFP or furnished by or on behalf of the Client; (iv) acknowledged and agreed that inadequacy, lack of completeness or incorrectness of information provided in this RFQ cum RFP or ignorance of any matter shall not be a basis for any claim for compensation,	We request you to delete this clause. Given point in time bidder is more relied on information provided by client/consultant as a base information.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			damages, extension of time for performance of its obligations or loss of profits or revenue from the Client, or a ground for termination of the Contract;		
490.	Volume 1, Bid Data Sheet, 33.1. Client's Right to Vary Quantities at Time of Award	44	33.1 The Client reserves the right at the time of Contract award to increase or decrease, by the percentage (s) indicated in the BDS any of the following: (a) de-scope or add the systems/sub-systems/services equivalent to specified percentage (%) of Contract value; or 30%	30% quantity variation is too high and can impact unit rate of supply as well as services items. We request you to please keep it to maximum 15%.	RFQ cum RFP prevails
491.	Volume 1, 5.1 (a), Bid data Sheet , pre-qualification criteria, 5 Integrated Operations Centre / Command and Control Centre	48	The Bidder (any member in case of consortium) shall have successfully commissioned/Go-Live at least two (2) projects related to implementation of Integrated Operations Centre/Command and Control Centre integrating at least two (2) different city/campus-wide sensors / applications out of the following Eight (8) sensors / applications at the Command and Control	We request you to please modify this clause as below:- <i>"The Bidder (any member in case of consortium) shall have successfully commissioned/Go-Live at least one (1) projects related to implementation of Integrated Operations Centre/Command and Control Centre integrating at least two (2) different city/campus-wide sensors / applications out of the following Eight (8) sensors / applications at the Command and Control Centre:"</i> 1. Surveillance;	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Centre: 1. Surveillance; 2. Communication network; 3. Environmental Sensors; 4. Streetlight System; 5. e-Governance / ERP; 6. GIS; 7. Intelligent Traffic Management System; 8. Utilities. Minimum value shall be INR 10 crores per project during last seven (7) years as of RFQ cum RFP publish date.	2. <i>Communication network</i> ; 3. <i>Environmental Sensors</i> ; 4. <i>Streetlight System</i> ; 5. <i>e-Governance / ERP</i> ; 6. <i>GIS</i> ; 7. <i>Intelligent Traffic Management System</i> ; 8. <i>Utilities</i> . <i>Minimum value shall be INR 10 crores per project during last seven (7) years as of RFQ cum RFP publish date.</i>	
492.	Volume 1, Bid Data Sheet 5.2	50	Note: In case of JV/consortium, for any technical qualification criteria, the member bringing the respective credential during the bidding stage will be responsible for executing the respective scope during the tenure of the contract.	we request you to please delete this clause. Due to this potential companies coming together with amount of expertise in various interventions will face issue and one single company can not bring no of projects asked in prequalification & technical qualification criteria	RFQ cum RFP prevails
493.	Volume 1, Bid Data Sheet, C. Submission, Opening and Evaluation 23.1 & 23.2	51	Bid Submission deadline: same for online submission and physical submission i.e. 14th September 2020.	During this pandemic situation it is difficult to send hard copy of the documents on the same of online submission due to commuting constraints. We request you to please keep at least one day gap for hard copy submission after online submission of the bid.	RFQ cum RFP prevails
494.	Volume 1, Bid Data	52	1.1) The Bidder (any	As you are aware that smart city	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Sheet, 29, Technical Evaluation criteria		<p>member in case of consortium) shall have successfully commissioned/Go-Live at least two (2) projects related to implementation of Integrated Operations Centre/Command and Control Centre integrating at least two (2) different city/campus-wide sensors / applications out of the following Eight (8) sensors / applications at the Command and Control Centre:</p> <ol style="list-style-type: none"> 1. Surveillance; 2. Communication network; 3. Environmental Sensors; 4. Streetlight System; 5. e-Governance / ERP; 6. GIS; 7. Intelligent Traffic Management System; 8. Utilities. <p>Minimum value shall be INR 10 crores per project during last seven (7) years as of RFQ cum RFP publish date.</p> <p>Number of Projects:</p> <ol style="list-style-type: none"> 1) =2: 10 marks 2) =3: 15 marks 3) >3: 20 marks 	<p>mission is started not before past 6 years. So no of projects completed with mentioned sub-systems are very few. To get maximum marks bidder/any member in case of consortium must have completed at least 4 project of ICCC implementation. This will lead to only few bidders to qualify and other potential bidders can not participate. Therefore we request you to please modify this clause as below:</p> <p><i>"The Bidder (all members combinely in case of consortium) shall have successfully commissioned/Go-Live at least two (2) projects related to implementation of Integrated Operations Centre/Command and Control Centre integrating at least two (2) different city/campus-wide sensors / applications out of the following Eight (8) sensors / applications at the Command and Control Centre:"</i></p> <ol style="list-style-type: none"> 1. Surveillance; 2. Communication network; 3. Environmental Sensors; 4. Streetlight System; 5. e-Governance / ERP; 6. GIS; 7. Intelligent Traffic Management System; 8. Utilities. <p><i>Minimum value shall be INR 10 crores per project during last seven (7) years as of RFQ cum RFP</i></p>	

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				publish date. Number of Projects: 1) =1: 10 marks 2) =2: 15 marks 3) >2: 20 mark	
495.	Volume 1, Pre-qualification Criteria & Bid Data Sheet, 29, Technical Evaluation criteria	52 to 54	The Bidder (any member in case of consortium) shall have successfully	We request you to please modify this clause as below:- "The Bidder (all members combinely in case of consortium) shall have successfully"	RFQ cum RFP prevails
496.	Volume 2, GCC, 14. Change or Modifications or Variations	14	14.8 No Variation invalidates the Contract. The MSI agrees that a Variation may involve the omission of any part of the Scope and further, the MSI agrees that the Client may engage others to perform that part of the Scope which has been omitted. The MSI further acknowledges that any omission or omissions will not constitute a basis to allege that the Client has repudiated the Contract no matter the extent or timing of the omission(s).	Omission of the scope of work can heavily impact MSI foiancial workings so we request you to delete this clause.	RFQ cum RFP prevails
497.	Volume 2, GCC, 15. Change in Law	15	Change in Law does not include: (i) any change in the (Indian) Income Tax Act, 1961 with regard to the taxes on the income of the MSI; (ii) any statute	Unless until any change in law proposed by government doesnot come in to force in form of GO no MSI can make provisions of this. So it is unfair to consider any such change which is under	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			that has been published in draft form or as a bill that has been placed before the legislature or that has been passed by the relevant legislature as a bill but has not come into effect prior to the date of the Contract and which is a matter of public knowledge; or (iii) a draft statutory instrument or delegated legislation that has been published prior to the date of the Contract, which is under the active consideration or contemplation of the Gol or GoUP and which is a matter of public knowledge.	discussion/proposal by GOI/GOUP. In view of this we request you to please delete this clause and allow any type of change in law shall be considered.	
498.	Volume 2, GCC, 16 joint venture	16	16.2 In case of JV/Consortium, for any technical qualification criteria, the member bringing the respective credential during the bidding stage will be responsible for executing the respective scope during the tenure of the contract.	we request you to please delete this clause. Due to this potential companies coming together with amount of expertises in various interventions will face issue and one single company can not bring no of projects asked in prequalification & technical qualification criteria	RFQ cum RFP prevails
499.	Volume 2, GCC, 18 Termination for Force Majeure	66	18.1.18 If a Force Majeure event affecting any Party subsists for a continuous period of one hundred	We request you to please modify this clause as " <i>If a Force Majeure event affecting any Party subsists for a continuous period of thirty (30)</i>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			eighty (180) days, then either Party may issue a notice of termination.....	<i>days, then either Party may issue a notice of termination.....</i>	
500.	Volume 2, GCC, 65. Force Majeure	66	65.6 If the performance of the Contract is substantially prevented, hindered, or delayed for a single period of more than sixty (60) days or an aggregate period of more than one hundred and twenty (120) days on account of one or more events of Force Majeure during the time period covered by the Contract, the Parties will attempt to develop a mutually satisfactory solution, failing which, either party may terminate the Contract by giving a notice to the other.	<i>65.6 If the performance of the Contract is substantially prevented, hindered, or delayed for a single period of more than thirty (30) days or an aggregate period of more than sixty (60) days on account of one or more events of Force Majeure during the time period covered by the Contract, the Parties will attempt to develop a mutually satisfactory solution, failing which, either party may terminate the Contract by giving a notice to the other.</i>	RFQ cum RFP prevails
501.	Volume 2, GCC, 33. Assistance and Services	35	33.1 Unless otherwise specified in the SCC, the Client shall: (i) Assist the MSI with obtaining any applicable permits, including work permits and such other documents as shall be necessary to enable the MSI to perform the Services required of MSI under this Contract; 33.2 If requested by the	Since this is government project taking approval from any government body can be betterly managed by client in very less time. We request you to please keep this scope under DMIC IITGNL. MSI in all means will assist and facilitate for this.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			MSI, the Client shall use its best endeavours to assist the MSI in obtaining in a timely and expeditious manner all permits, approvals, and/or licenses necessary for the execution of the Contract from all local, state, or national government authorities or public service undertakings that such authorities or undertakings require the MSI or Subcontractors or the personnel of the MSI or Subcontractors, as the case may be, to obtain.		
502.	Volume 2, GCC, 33. Assistance and Services	36	33.3 In such cases where the responsibilities of specifying and acquiring or upgrading telecommunications and/or electric power services falls to the MSI, as specified in the Terms of Reference, SCC, Agreed and Finalized Project Plan, or other parts of the Contract, the Client shall use its best endeavours to assist the MSI in obtaining such services in a timely and expeditious manner.	We request DMIC IITGNL to please provide electricity connection at desired location which will be finalised during DPR. Also please clarify electricity charges will be paid by client or MSI has to provision it during CAPEX & OPEX duration.	RFQ cum RFP is clear
503.	Volume 2, GCC, 33. Assistance and		34.1 MSI to establish own office and maintain it	Please clarify 1. Space for MSI office & site office	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Services		throughout the contract period in DMIC IITGNL Office / IIT (Project site) which shall be used to deliver this project. Client may visit MSI office periodically to check the existence. In addition, the MSI shall maintain a temporary site office at IIT during the entire course of implementation of the Contract at no additional cost. All infrastructure required for setting up or maintaining this site office shall be borne by the MSI. The MSI shall also ensure to accommodate a dedicated space for two (2) ICT consultants at the temporary site office.	will be provided by DMIC IITGNL at free of cost.	
504.	Volume 2, GCC, 39. Securities & Volume 2, SCC, 68.1. Performance Security	38	Performance Security: (i) The Performance Security shall be for 10% of the Total Value of Contract (inclusive of applicable GST); (ii) The Performance Security shall be issued by a Scheduled Commercial bank in India and acceptable to the Client. The Performance Security shall be valid until a date 180 days beyond the	We request you to reduce validity of Performance Security. We can give separate performance security during CAPEX & OPEX period as maximum validity of performance guarantee by banks can not exceed > 5 years. So request you to please allow initial validity of 24 months which can be extended during OPEX period.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			issuance of the Contract Completion Certificate. Any stamp duty required for this shall be borne by the MSI;		
505.	Volume 2, GCC, 40 mode of payment	39	40.3 Payments shall be made promptly by the Client, but in no case later than forty five (45) days after submission of a valid invoice by the MSI.	We request you to please make payment to MSI within 30 days after submission of a valid invoice by MSI. This will help MSI to maintain cash flow for the project.	RFQ cum RFP prevails
506.	Volume 2, SCC, 33. Assistance and Services	78	Liquidated damages shall be assessed at 1.0 percent per week of Contract Value during implementation and DLP phase. The maximum liquidated damages are 10 percent of the Contract Value during the implementation and DLP phase of the project.	Liquidated damages assessment is on a very high side. We request you to please modify this as below: <i>"Liquidated damages shall be assessed at 0.1 percent per week of Contract Value during implementation and DLP phase. The maximum liquidated damages are 5 percent of the Contract Value during the implementation and DLP phase of the project."</i> Similarly the same percentage should be applicable to all milestones as defined.	RFQ cum RFP prevails
507.	Volume 2, SCC, 33. Assistance and Services	79	• Liquidated damages shall also be applicable to all the Milestones as defined in the Volume III – Terms of Reference. Liquidated damages shall be assessed at 1.0 percent per week of the total milestone payment which MSI has failed to achieve.		Query not clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Maximum liquidated damages shall be 10 percent of the total milestone payment. Liquidated damages shall come into effect from the Effective Date The payment of Liquidated Damages shall not relieve the MSI from any of its obligation to complete the System or from any other of its obligations and liabilities		
508.	Volume 2, GCC 40.1 and SCC 40.1	75,76	Total Payment for Supply and Installation - 70% of Contract Price Mobilization advance against submission of 110% Additional Bank Guarantee (BG) of the amount of mobilization advance* - 10% of C Supply of Equipment at site for Phase 1 and Phase 2 - 5% of C Supply of Equipment at site for Phase 3 and Phase 4 - 5% of C Approval of Detailed Project Report (DPR) 5% of C Go-Live and Operational Acceptance of Phase 1 - 10% Go-Live and Operational	Payment schedule is not clear in line with implementation schedule we request you to please give payments schedule milestoewise as well as monthwise. Also please provide 80% payment during CAPEX period to have better cashflow as this is CAPEX intensive project.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Acceptance of Phase 2 - 10% Go-Live and Operational Acceptance of Phase 3 - 10% Go-Live and Operational Acceptance of Phase 4 - 5% End to end Go-Live with any bug fixing over three months post implementation of Phase 4 (Operational Acceptance of the Project) - 10%		
509.	Volume 2, Service Level Agreement	88	The maximum penalty applicable on respective quarterly payment for not adhering to the SLA's is capped at 40% of the quarterly applicable payment proposed by the MSI. However, DMIC IITGNL has an option to consider termination of the contract if the penalty exceeds 20% of the quarterly payment of Recurrent Cost (OPEX) to the MSI as per the GCC Clause 18.1(f)	Please modify this clause as below:- <i>The maximum penalty applicable on respective quarterly payment for not adhering to the SLA's is capped at 15% of the quarterly applicable payment proposed by the MSI. However, DMIC IITGNL has an option to consider termination of the contract if the penalty exceeds 20% of the quarterly payment of Recurrent Cost (OPEX) to the MSI as per the GCC Clause 18.1(f)</i>	RFQ cum RFP prevails
510.		General queries	Anti-Virus, Virtual Firewall, Web Application Firewall, Intrusion Prevention System, Intrusion Detection System, Anti-DDOS, DDOS Protection,	As per the RFP Security modules not consider in on Premise DC , Please confirm more clearly .	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Access and Rights Management, Web Application Filter, SIEM		
511.	VOL III, Summary of the Project components Triple Play Voice, Video and Data Services	27	DMIC IITGNL plans to lease out dedicated backbone and distribution fibre optic infrastructure to the Telecom Service Providers (TSPs) as part of this Project. This fibre optic infrastructure will be implemented by the MSI and will be used by the TSPs. DMIC IITGNL will essentially provide 'dark fibre' to the TSPs and will provide TSPs dedicated space for co-locating their respective equipment at PoP rooms. MSI shall coordinate with various TSPs to incorporate their requirements in terms of dark fibre infrastructure.	Need more clearly about dark fiber connectivity at POP rooms ..	RFQ cum RFP is clear
512.	General queries		The backbone cable shall not be field spliced and further will connect only both the PoPs. In addition to this, any field devices shall not be connected through backbone cable. Backbone ring architecture shall be connected via a dual homed ring	As per Mentioned fiber sizing between Backbone to distribution required 24 count fiber cable . Can we assume its 24 core fiber cable .	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			connectivity with path level redundancy. 24 count fibre cable shall be utilized for backbone connectivity.		
513.	General queries		1-For DMIC IITGNL plots 2-For Non-DMIC IITGNL plots 3-Ring Main Unit (RMU) room.	Need more clearly for locations infoamtion & counting .its very helpful in bandwidth sizing of solution .	Bidders are encouraged to conduct site visit for better understanding.
514.	VOL I IT and Other Common Infrastructure	124	Firewall	As per the RFP only external firewall considered .No spec memntion for internal firewall.	RFQ cum RFP prevails
515.	Public Wifi		For the implementation of a city Wi-Fi network, the following are the two (2) types of infrastructure being proposed for Wi-Fi Access Points: • Outdoor Rated Access Point (AP) co-located on Poles (to be supplied by MSI): This setup shall be used across public right-of-way areas. • Integrated with Public Interactive Kiosk: Wi-Fi access points shall be integrated at the Public Interactive Kiosks installed at the strategic locations within the plots.	Please provide the tentative location count of concurrent internal users accessing Public Wifi from various departments. This helps MSI to do the hardware sizing efficiently.	Will be finalization in coordination with the Client with successful Bidder
516.	General		General queries	Laying of OFC backbone is one of the important component of the bid. Kindly help location detials which r missing RFP.	Bidders are encouraged to conduct site visit for better understanding.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
517.	VOL III 2.2.1 Fibre Optic Infrastructure	30	Scalability: The network shall be scalable that can grow to include new user groups and can support new applications without impacting the level of service delivered to existing users;	Please provide the tentative count of concurrent internal users accessing application from various departments. This helps MSI to do the hardware sizing efficiently.	RFQ cum RFP is clear
518.	VOL III Public WIFI 2.2.1 Fibre Optic Infrastructure	73	The target bandwidth proposed per end-user is 4 Mbps throughout the City, extendable up to 8 Mbps, on a per session basis for the 30 minutes or 100 MB per session that will be given to the user at no cost.	Please provide tentative users count ,this helps MSI to do bandwidth sizing	RFQ cum RFP is clear
519.	VOL III e-Mail Solution and Instant Messenger with Online Storage for DMIC IITGNLFR 4.1236	198	MSI shall migrate existing e-mail service of DMIC IITGNL to the proposed e-mail solution provided as part of the ICT MSI RFQ cum RFP.	Please provide email size count ,this helps MSI to do bandwidth sizing .	Details will be shared with successful Bidder
520.	VOL III TR 8.242-ON PREMISE PHYSICAL SERVER	246	Server shall be provided with the link load balancers and server load balancers as needed to optimize the overall IT infrastructure operations. The most efficient operations of servers shall be the responsibility of the MSI.	Load balancer technical specs Not mentioned in RFP .We request you to provide complete specification.	RFQ cum RFP is clear
521.	VOL III 2.2.2.2.-Public Wi-fi Architectur	70	Extended dwelling plan – It is expected that the Wi-Fi operator is neutral and allows multiple Internet	Please provide the tentative count of concurrent internal users accessing application from various departments or locations details .	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Service Providers (ISPs) to offer their services using this Wi-Fi network. As part of the Project, it is expected that there will be some ISPs who also offer wired broadband services. Therefore, there will be an option for the user to extend the wired broadband service plan at the dwelling to public Wi-Fi service by paying a premium over the base plan that is being used by the user.	This helps MSI to do the hardware & Bandwidth sizing efficiently.	
522.	VOLUME III : TERMS OF REFERENCE 2.2.9 City's Integrated Operations Centre (CIOC)	-	General Query	Please provide how many operator licenses are required for CIOC Platform users. Please elaborate on licenses required for Field Mobile Workforce personnel. How many Field Personnel should be considered?	RFQ cum RFP is clear
523.	VOLUME III : TERMS OF REFERENCE 2.2.9 City's Integrated Operations Centre (CIOC)	Page 235 BR 9.18	The overall work shall be in reference to standards published as per ISO 37120, ISO 37122 and World Council of City Data (WCCD).	We understand that this is adherence to standards and monitoring a set of relevant ISO 37120 and ISO 37122 indicators and WCCD standards. Kindly confirm if understanding is correct.	RFQ cum RFP is clear
524.	VOLUME III : TERMS OF REFERENCE 2.2.9 City's Integrated Operations Centre	Page 234 FR 9.11	It shall also receive, normalize and make good data received from social media integration. It is required that the platform	Please define how many social media channels(Eg: FB, Whatapp) to be integrated. Each of the social media channels have their own business API. We need to factor the	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	(CIOC)		supports both structured and unstructured data inputs.	cost and design based on integration to each social media channel.	
525.	VOLUME III : TERMS OF REFERENCE 2.2.9 City's Integrated Operations Centre (CIOC)	Page 235 BR 9.20	<p>WATER AND WASTEWATER, FACILITIES MANAGEMENT AND BUILDING MANAGEMENT SYSTEMS (BMS), POWER NETWORK, COMMUNICATIONS NETWORK, PUBLIC INTERACTIVE KIOSKS, STREET LIGHTING</p> <p>Log calls/jobs on the helpdesk database utilizing helpdesk/ISM software (inquiries may be received by telephone, facsimile, email or in person).</p> <p>Allocate and dispatch work orders to directly employed (or subcontracted) maintenance team via ISM system. Work order tracking to be done at CIOC.</p> <p>Take ownership of the Preventative Maintenance (PM) schedule and track reactive maintenance (RM) service requests using the</p>	<p>As per our understanding CIOC Platform (Command Centre Platform & Application) is an Incident Management application which provides Alarm Management capabilities, Map Based Asset/Sensor Visualization and Video Based Incident Validation capabilities. We have observed that for various systems proposed to be integrated to CIOC platform- (WATER AND WASTEWATER, FACILITIES MANAGEMENT AND BUILDING MANAGEMENT SYSTEMS (BMS), POWER NETWORK, COMMUNICATIONS NETWORK, PUBLIC INTERACTIVE KIOSKS, STREET LIGHTING), a set of common use cases/workflows are envisaged. We seek to obtain clarity on the following:</p> <p>1) Log Calls/jobs/inquiries relevance at CIOC Platform. What is the use case over here? Even if Log Calls are received at CIOC, what would be the actionable step?</p> <p>2) Allocate and Dispatch Work orders can be done directly via ISM system. How is it relevant in bringing the Data to CIOC Platform.</p> <p>3) Preventive Maintenance alerts could be relevant for CIOC but</p>	Details will be covered during the solution finalization with successful bidder during Implementation

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<p>ISM system.</p> <p>Report back to client and contract staff on progress of each PM and RM service request and close out service requests when completed using the ISM system.</p> <p>Update site specific facilities management files and other documentation for helpdesk compliance.</p>	<p>taking ownership of Preventative Maintenance may not be a relevant CIOC platform use case.</p> <p>4) Report back to client and contract staff are use cases which are relevant to Point systems such as ISM.</p> <p>5) Update site specific facilities is also not a relevant CIOC use case.</p> <p>We want to highlight that CIOC(Command Centre Platform) core functionality is detecting the anomalies/exceptions through pre defined set of business rules on streaming data/ batch data and perform SOP(notify, dispatch) and complete the incident management life cycle. The use cases sought here could be more relevant to point systems. Kindly help us understand the workflow for these integrations.</p>	
526.	VOLUME III : TERMS OF REFERENCE 2.2.9 City's Integrated Operations Centre (CIOC)	Page 235 FR 9.24	Dispatch water and wastewater service requests to the appropriate internal and field personnel using the ISM system.	As per our understanding ,The Field Personnel are equipped with Field Workforce Mobile app which is integrated to CIOC Platform. Is there a separate Field Workforce App provided to Field Personnel of ISM system	As per Bidder's solution to meet RFQ cum RFP requirements.
527.	VOLUME III : TERMS OF REFERENCE 2.2.9 City's Integrated Operations Centre (CIOC)	Page 236 FR 9.31	Billing for services using the ISM system.	Use Case is not clear. Kindly elaborate	RFQ cum RFP is clear
528.	VOLUME III :	Page 236 FR	Update site specific water	Use Case is not clear. Kindly	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	TERMS OF REFERENCE 2.2.9 City's Integrated Operations Centre (CIOC)	9.30	and wastewater files and other documentation for helpdesk compliance.	elaborate	
529.	VOLUME III : TERMS OF REFERENCE 2.2.9 City's Integrated Operations Centre (CIOC)	Page 236 FR 9.41	Dispatch of emergency services.	Is emergency services a part of ISM or separate system	RFQ cum RFP is clear
530.	VOLUME III : TERMS OF REFERENCE 2.2.9 City's Integrated Operations Centre (CIOC)	Page 236 FR 9.48	Report back to client and contract staff on progress of each outage and power quality service request and close out service requests when completed using the ISM system.	How do client and contract staff get updated on progress?	RFQ cum RFP is clear
531.	VOLUME III : TERMS OF REFERENCE 2.2.9 City's Integrated Operations Centre (CIOC)	Page 236 FR 9.51	Create awareness within the city for energy consumption and utilization.	How do we achieve this use case? Will it be through posting on social media, Kiosk, web portal and VMD?	As per Bidder's solution
532.	VOLUME III : TERMS OF REFERENCE 2.2.9 City's Integrated Operations Centre (CIOC)	Page 238 FR 9.88	Interface with police, fire and ambulance as needed for emergency services.	This will require integration to Multiple Emergency Services or one common Emergency Services?	As per Bidder's solution to meet the RFQ cum RFP requirements
533.	VOLUME III : TERMS OF REFERENCE 2.2.9 City's Integrated Operations Centre (CIOC)	Page 238 FR 9.91	Identifies the type of service being requested by listening, asking relevant questions, evaluating information obtained, and determining City services	This should be handled at Emergency Communications System and not at CIOC operator.	As per Bidder's solution to meet the RFQ cum RFP requirements

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			available to successfully handle the request.		
534.	VOLUME III : TERMS OF REFERENCE 2.2.9 City's Integrated Operations Centre (CIOC)	Page 238 FR 9.92	Creates or researches customer information in the Customer Relationship Management (CRM) system; records information on all customer inquiries or problems; provides updates on previously created cases.	This use case should be executed at CRM system and not at CIOC operator	As per Bidder's solution to meet the RFQ cum RFP requirements
535.	VOLUME III : TERMS OF REFERENCE 2.2.9 City's Integrated Operations Centre (CIOC)	Page 238 FR 9.96	Observes and complies with departmental policies and procedures, customer service quality standards, and compliance guidelines.	Kindly elaborate on the expectation/ workflow of this use case at CIOC Application	As per Bidder's solution to meet the RFQ cum RFP requirements
536.	Volume III, Scope of work		Corporate website rewamp	Please clarify the exact deliverables under this catagoty.	RFQ cum RFP is clear
537.	Volume III, Scope of work		IIT Software module	Please clarify the scope includes only integration or supply of product as well.	RFQ cum RFP is clear
538.	Volume III, FR 9.97	257	Education - Monitor Key ratio (KPIs) that will be important inputs for economic indicators.	Please clarify what are the key ratio that needs to be monitored and from where this information will come at CIOC.	RFQ cum RFP is clear
539.	Volume III, FR 9.98	257	Healthcare - Monitor Key ratio (KPIs) that will be important inputs for economic indicators.	Please clarify what are the key ratio that needs to be monitored and from where this information will come at CIOC.	RFQ cum RFP is clear
540.	Volume III, TR 9.314	278	The platform shall be hosted on the cloud.	Kindly confirm the permissible cloud platform for Smart city Platform deployment.	RFQ cum RFP is clear
541.	Volume III, FR 1.69	38	The proposed system shall include the ability to download software loads,	Kindly elaborate the functionality of downloading software load. Is this about installing operating system	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			activate new software loads, or get information about the active software load).	software or updates.	
542.	VOLUME III : Terms of Reference	TR.1.79,	Manholes size 1.2mx1.2mx1.0m.	Request you kindly clarify, which one is the correct dimension of Manhole	RFQ cum RFP prevail
543.	VOLUME III : Terms of Reference	FR.1.6	Manholes size 1.2mx1.0mx1.0m.	Request you kindly clarify, which one is the correct dimension of Manhole	Manholes size 1.2mx1.2mx1.0m.
544.	VOLUME III : Terms of Reference	Tr.1.29, Page No.22	In case of road crossing via micro trenching and its restoration shall be under the scope of MSI	<i>Request to add the following:</i> EPC contractor appointed by DMIC IITGNL shall ensure that the DWC pipe under the road is laid properly without choking the DWC	RFQ cum RFP prevail
545.	Addition		In case of road crossing via micro trenching and its restoration shall be under the scope of MSI	Specify open trench quantity and specification	RFQ cum RFP prevail
546.	Addition		In case of road crossing via micro trenching and its restoration shall be under the scope of MSI	Clarify if SPOPs to be built in available building or a new building to be constructed	SPOP will be a new building as per scope in RFQ cum RFP
547.	Addition		In case of road crossing via micro trenching and its restoration shall be under the scope of MSI	Please confirm that the land and necessary RoW at the locations of handhole/manholes are available and would be under the scope of IITGBL.	RFQ cum RFP is clear
548.	Addition		In case of road crossing via micro trenching and its restoration shall be under the scope of MSI	As 10 nos of HDPE ducts will run through ICT trench, clamping not possible in side the ICT trench and wont be require. Please confirm	RFQ cum RFP is clear
549.	Volume I	NA	Site Office for MSI	It is understood that Site Office including power, sitting space, AC, etc shall be provided by IITGNL. Please confirm	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
550.	Volume I	NA	Power at Primary PoP, Secondary PoP, field locations, etc.	It is understood that required power, etc. at Primary PoP, Secondary PoP, field locations, etc. shall be provided by IITGNL. Kindly confirm	RFQ cum RFP is clear
551.	Volume III	22	Currently e-Land Management System (e-LMS) SI is also implementing e-LMS for DMIC IITGNL	Please clearly articulate the status of e-LMS implementation and the respective scope including integration requirements.	RFQ cum RFP is clear on the status. Bidders are encouraged for site visit as required
552.	Volume III, Section 2	26	End-to-end fibre optic infrastructure (passive and active) to meet all the current and future needs of the Project with an overall architecture of Fibre-to-the-X (FTTX) for a connected city using various Points-of-Presence (PoP) facilities	Please provide details on the "end-to-end" requirement. Also, request you to elaborate on FTTX requirement.	RFQ cum RFP is clear
553.	Volume III, Section 2	26	As part of the ISM, Blockchain platform shall enable DMIC IITGNL with increased level of data security, redundancy and integrity in context to the land records	For bidders to provide the appropriate solution, details on the requirements of Blockchain platform and the architecture envisaged needs to be provided by IITGNL	As per Bidder's Solution
554.	Volume III, Section 2	26	Facial Recognition Based Access Control System (FRACS) shall be used for entry/exit of CIOC/DMIC IITGNL staff members and visitors	As per general practice, it is suggested to implement Biometric ACS instead of FRACS. FRACS shall escalate the overall cost. Also, IITGNL is requested to provide specific locations and quantity required so that during design phase the same is being considered and at a later stage there is no deviation in requirements.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
555.	Volume III, Section 2	27	State-of-the-art: Use of the best available standards to avoid locking in obsolescent technologies	This is a generic statement and it is understood that IITGNL will agree to the standards proposed by bidders. Alternately, for consistency of understanding by bidders, IITGNS is requested to provide the list of standards to be adhered so that during implementation there is no ambiguity.	RFQ cum RFP is clear
556.	Volume III, Section 2	27	At present, EPC Contractor is in advanced stage of implementing the civil and utilities trunk infrastructure.	Please clarify on the actual implementation status and timelines for completion. Also please add the following: Delay in completion of tasks by EPC contractor on which MSI has dependency will not be attributed as a delay on part of the MSI.	Bidders are encouraged to do a site visit for as-is assessment. RFQ cum RFP is clear
557.	Volume III, Section 2	27	Electrical Contractor is responsible for Power SCADA network. The integration of these SCADA enabled utilities at the CIOC and complete coordination with the EPC Contractor and Electrical Contractor shall be the responsibility of this MSI.	SCADA network is independent network and is to be kept highly secure and isolated. Please confirm and add the following point to this clause: SCADA network shall integrate via internet. Necessary ports shall be opened to provide secure access between SCADA network and IITGNL Network.	RFQ cum RFP prevails
558.	Volume III, Section 2	27	EPC Contractor shall be providing the ICT trench for the fibre optic infrastructure at majority of the places for backbone and distribution network. Details of this trench have been provided as part of this RFQ cum RFP. The	Please add the following: Dependency on completion of work by EPC contractor will not be attributed as a delay on the part of MSI	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			MSI shall use this ICT trench for the fibre optic infrastructure and coordinate with the EPC Contractor as needed. EPC Contractor will also be laying its own fibre optic network in the ICT trench to connect utilities. MSI shall ensure that no damage is done to the fibre optic network installed of EPC Contractor in the ICT Trench.		
559.	Volume III, Section 2	27	Automated Waste Collection System : MSI shall be responsible for integrating Automated Waste Collection System at the CIOC. This also includes coordination and integration with the EPC Contractor	Please add the following: EPC contractor shall provide the SDK, APIs etc and MSI's shall be responsible for integration only. IITGNL shall facilitate coordination with EPC for the same.	RFQ cum RFP is clear
560.	Volume III, Section 2.1 Project Phasing	28	Phase 1 : D + 6 months	Software development would require multiple consultations with IIT and undergo several development/iterations. The timeperiod mentioned in the RFP for this activity is short. IIT is requested to reconsider the implementation timelines.	RFQ cum RFP prevails
561.	Volume III, Section 2.1 Project Phasing	28	Phase 2 : D + 8 months : Fibre Connectivity – 50% Implementation	Requesting you to clarify on how 50% implementation will be derived at. As part of clarification and in order for bidders to provide optimal cost	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				effective solutions, kindly provide the details about the implementation status of trenches and single stretch availability.	
562.	Volume III, Section 2.1 Project Phasing	28	Phase 2 : D + 8 months : Modules of IIT Software Modules (ISM)	Requesting you to clarify whether FRS, SRS signed off during early stage of the project shall not undergo any change if IITGNL gets a corporation entitlement to provide eGovernance services. It has been observed that in green field city implementation, the FRS, SRS, etc requirements undergo complete change during the course of implementation.	RFQ cum RFP prevails
563.	Volume III, Section 2.1 Project Phasing	28	Phase 2 : D + 8 months : 3D Modelling	Requesting you to provide more clarity on the 3D modelling requirement of IIT so that the right solution can be proposed by bidders.	RFQ cum RFP is clear
564.	Volume III, Section 2.2.1	30	For DMIC IITGNL plots – access communications include connectivity from the distribution communications trench until the Main Telecom Room (MTR) of the building. This includes fibre optic civil infrastructure and network cabling.	Please provide details of the requirement and scope expected from MSI and roles and responsibilities of EPC contractor, IIT and MSI.	RFQ cum RFP is clear
565.	Volume III, Section 2.2.1.1	30	The backbone architecture will be Layer 3 based which shall be designed for a ring configuration for the fibre optic network.	Requesting you to elaborate on Layer 3 based requirement and the technical and functional specifications for this requirement.	RFQ cum RFP is clear
566.	Volume III, Section		General	In order to ensure timely	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	2.1 Project Phasing			implementation of the project. IIT is requested to kindly clarify the communication protocol, SPOC from IIT and turn around time of IIT for various approvals sought by MSI during the course of project implementation.	
567.	Additional Query	NA	General	In order to ensure timely implementation of the project, IIT is requested to confirm that the selected MSI (having been technically complied) during the bidding stage would not be required to get the OEMs re-approved by IITGNL post award of contract. Only in case there is a change in OEM re-approval from IITGNL would be required. Kindly confirm.	RFQ cum RFP prevails
568.	Volume III, Section 2.2.1.2	31	The distribution architecture shall be Layer 2 based which shall be designed for a ring configuration for the fibre optic network.	Requesting you to elaborate on Layer 2 based requirement and the technical and functional specifications for this requirement.	RFQ cum RFP is clear
569.	Volume III, Section 2.2.1.6	31	This 24 count fibre optic cable shall be laid inside dedicated HDPE duct infrastructure and will be provided between PoP locations and end-to-end across IIT	Please clarify whether the running unit of fiber will suffice to cater end-to-end fiber requirement.	RFQ cum RFP is clear
570.	Volume III, Section 2.2.1.7	33	A ring of 1G will be formed by connecting adjacent field switches with each other.	Requesting you to clarify on how ring is to be formed between devices with 1G	RFQ cum RFP is clear
571.	Volume III, Section	33	Support a carrier grade,	Please elaborate on the requirement	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	2.2.1.7		ring based architecture	of carrier grade and this requirement would have substantial cost implications for the bidder.	
572.	Volume III, Section 2.2.1.7	33	BR 1.6 manholes and handholes will be under MSI's scope of work	Requesting you to provide drawings for manholes and handholes requirement.	RFQ cum RFP is clear
573.	Volume III, Section 2.2.1.7	34	BR 1.9 Handholes shall be provided at all corners of a junction and where a 180-degree bend occurs for the duct (in the scenario of open trench), subject to the site conditions.	Requesting you to clarify whether handholes are to be provided only at 180 degree bend.	As per Bidder's design and site conditions. Bidder to ensure best industry practices and compliance to RFQ cum RFP.
574.	Volume III, Section 2.2.1.7	34	BR 1.10 DMIC IITGNL shall provide Point of Presence (PoP) rooms to the TSPs and other tenants and lease out space to them.	It is understood that, leasing, liasioning, etc with TSPs/Tenants is not in scope of the MSI. Please confirm. Also, please provide confirmation on the availability of PoP rooms.	RFQ cum RFP is clear
575.	Volume III, Section 2.2.1.7	34	BR 1.11 For the TSPs, and other tenants, only the 'bare-shell' infrastructure (including at least one light point and room DB) in the PoP shall be provided as a part of this Project. The TSP's/tenants shall be responsible for using this 'bare-shell' infrastructure space and provide all their required actives inside their dedicated space. BR 1.18 All splicing for distribution network of	It is understood that only room and fiber (as-is without termination) shall be provided to TSPs at PoP locations. All power, rack, fiber termination, etc has to be carried out by respective TSPs. Please confirm.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			TSPs and other tenants shall be the responsibility of the respective TSPs and tenants under the supervision of DMIC IITGNL.		
576.	Volume III, Section 2.2.1.7	37	FR 1.51 Any attenuators required as part of the overall solution shall be provided by the MSI. Note that all fibre optic SFPs shall be ordered to support minimum 10 km distance for distribution and combination of 10km and minimum 25 km or more for backbone depending on the distance requirements. This shall be validated by the MSI during the design stage.	As per standard practice, interconnect SFPs between switches/routers should be less than 10Km range to avoid any damage. Please provide confirmation on RFP specifications or modification in this clause as per the decision of IIT.	RFQ cum RFP is clear
577.	Volume III, Section 2.2.1.7		Fiber PATCH PANEL	It is understood that Intelligent patch panel is not required. Please confirm. Alternately if intelligent patch panel is requires please provide the technical and functional requirements.	RFQ cum RFP is clear
578.	Volume III, Section 2.2.2.2	69	Additional value-add services such as music, videos, games etc. over this Wi-Fi LAN network can be offered and Wi-Fi can also be used for 3G/4G offloading.	Requesting you to clarify on architecture and technical specifications of the solution that is expected from bidders and how the same is being envisaged to achieved by IITGNL	RFQ cum RFP is clear
579.	Volume III, Section 2.2.2.2	72	BR 2.13 Poles should be used for mounting ICT field	It is understood that all poles and cantilevers, etc shall be provided by	RFQ cum RFP is clear on MSI scope

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			device at variable height as per the site condition	IIT and would be made available as per the implementation timelines of the RFP. Please confirm	
580.	Volume III, Section 2.2.3.2	80	Cameras pre-installed at various sites by EPC Contractor including Solid Waste Management sites, Sub-Station, of the city shall also be integrated with the CIOC	Please provide the make/model of pre-installed cameras. Also clarify how these are to be integrated i.e. for Solid Waste Management or something else. It is understood that Solid Waste Management system/software shall be provided / hosted by EPC contractor and it is not in the scope of MSI. MSI's scope is limited to integration only subject to availability of SDK, APIs, etc from EPC contractor. Please confirm.	Make/Model will be shared with successful Bidder. RFQ cum RFP is clear
581.	Volume III, Section 2.2.3.2	81	BR 3.6 ATCC and ANPR cameras shall be located at separate gantry as per applicable site requirements.	It is understood that the gantry shall be provided by IIT. Please confirm.	RFQ cum RFP is clear for MSI scope
582.	Volume III, Section 2.2.3.2	82	FR 3.6 All cameras shall support real-time video content analysis.	Requesting you to clarify on the exact requirement for real-time video content analysis	RFQ cum RFP is clear
583.	Volume III, Section 2.2.3.2	82	FR 3.8 Providing secured access to video at any time from any network location	It is understood that the network location is within IITGNL and directly connected on IITGNL Fiber Optic Network.	RFQ cum RFP is clear
584.	Volume III, Section 2.2.3.2	82	FR 3.8 Situation/Rule based alerts including early warnings for prevention and avoidance of unwanted incidents	Requesting you to clarify on requirements for early warning prevention	RFQ cum RFP is clear
585.	Volume III, Section 2.2.3.2	82	FR 3.8 Automated response based on events including communication of alerts to relevant	Requesting you to clarify on Automated response as necessary integrations has to be provided by IITGNL for the same. In case of non-	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			authorities like Fire, Hospitals, etc. for swift response in case of emergency	availability of any wish list integration, how the go-live will be signed off.	
586.	Volume III, Section 2.2.3.2	82	FR 3.9 Directional Motion: Generates an alarm in a high traffic area when a person or object moves in a specified direction.	It is understood that the alarm is to be captured / highlighted only at CIOC console.	RFQ cum RFP is clear
587.	Volume III, Section 2.2.3.2	83	FR 3.14 The system shall support the use of separate networks, VLANs or switches for connecting the cameras to the recording servers to provide physical network separation from the clients and facilitate the use of static IP addresses for the devices.	Please clarify whether this is applicable to only cameras because the network devices asked are Layer 2 devices.	RFQ cum RFP is clear
588.	Volume III, Section 2.2.3.2	83	FR 3.16 The system should not limit amount of storage to be allocated for each connected device	As per RFP, storage is to be factored for the project requirements only. Requesting you to clarify how much additional storage is required as this would have substantial cost implications depending on the independent understanding/estimates of bidders	RFQ cum RFP is clear
589.	Volume III, Section 2.2.3.2	84	FR 3.22 Failover Support - The system shall support automatic failover for Recording Servers. This functionality shall be accomplished by Failover Server as a standby unit that shall take over in the	Please clarify apart from the system/storage requirements at Primary PoP, similar setup for recording servers is also required at Secondary PoP.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			event that one of a group of designated Recording Servers fails. The system shall support multiple Failover Servers for a group of Recording Servers. Failover server shall be hosted at geographically redundant location i.e. Secondary PoP.		
590.	Volume III, Section 2.2.3.2	84	FR 3.25 Video Management System (VMS) shall be non-proprietary and open-ended.	VMS systems are generally proprietary with open standards. Clarity is required on the requirement of IITGNL, whether open source/freeware VMS is to be proposed by bidders	RFQ cum RFP is clear
591.	Volume III, Section 2.2.3.2	84	FR 3.27 Software shall consist of a single client application and the client software shall not be dependent on, require any connection to, a central management or configuration server for security reasons.	The architecture for VMS defers from vendor to vendor, hence, requesting you to remove the clause as it may restrict bidders in offering techno-commercially competitive solution.	RFQ cum RFP prevails
592.	Volume III, Section 2.2.3.2	84	FR 3.30 A client or any other operator shall ask "permission" to connect to a camera.	This clause is in contradiction to clause FR 3.27. Please clarify.	RFQ cum RFP prevails
593.	Volume III, Section 2.2.3.2	86	FR 3.48 Users shall be able to digitally zoom up to 1000% and scroll replayed video.	Requesting you to elaborate on 1000% zoom functionality. It is assumed to be 10x OR less.	RFQ cum RFP is clear
594.	Volume III, Section 2.2.3.2	87	FR 3.72 Users shall be able to view the current	Please clarify whether this functionality is for Storage OR VMS.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			status of local storage with visual indicators showing whether each item is OK or indicates problems:		
595.	Volume III, Section 2.2.3.2	89	FR 3.113 The system shall be able to process and read number plates of vehicles with speeds up to 120 km/h with the minimum accuracy requirement specified in this sub-section	The clause is OEM specific, requesting you to remove the same to ensure level playing field.	RFQ cum RFP prevails
596.	Volume III, Section 2.2.3.2	89	FR 3.116 The ANPR sub-system shall have the following minimum accuracy levels irrespective of any other reason at the installed location for each of the vehicles in the field of view during any time of the day or night: • at a minimum of 95% vehicle detection accuracy. • the system should have a conversion accuracy of more than 85% for the detected vehicles for ANPR for standard format legible license plates during day time. Accuracy for night time can be 60%. • the system should have a conversion accuracy of more than 70% for the detected vehicles for	The clause is OEM specific, requesting you to remove the same to ensure level playing field.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			ANPR for non- standard format legible license plates – during day time. Accuracy for night time can be 50%.		
597.	Volume III, Section 2.2.3.2	91	FR 3.129 The ATCC Sub-system shall support the following four use-cases with other Sub-systems provided by 3rd parties as a minimum and shall support development and deployment of any other use-case for up to 18 months from the Go-Live date. • Use case 1: Passing Congestion Information to control centre. • Use case 2: Using Traffic Data Archive for future planning/ Design/ Analysis purposes.	Please provide the details other two use cases (Only two are provided in the RFP). Also, the requirement of 18 months is well into the O&M phase envisaged by IITGNL. It is suggested that in the interest of the project this activity should not exceed the implementation period. Request you to kindly delete the "use-case for up to 18 months from the Go-Live date"	RFQ cum RFP is clear on specifying the minimal requirements. Use cases will be finalized with the successful Bidder.
598.	Volume III, Section 2.2.3.2	92	FR 3.148 The ATCC sub-system provider shall work closely with client for modifying/ configuring standard existing reports and data formats to suit client requirements. The vendor shall support client in developing any/ all reports and formats required by the agency for a period of at least 18 months from the system go-live date.	Requesting you to clarify the requirement of 18 months.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
599.	Volume III, Section 2.2.4.28	106	BLOCKCHAIN FOR LAND RECORDS	Requesting you to elaborate on the requirements along with number of nodes, etc for Blockchain solution envisaged along with other stakeholders.	As per Bidder's solution to meet the RFQ cum RFP requirements.
600.	Volume III, Section 2.2.4	119	E-Land Management system (e-LMS)	Requesting you to clarify on whether eLMS system is to be developed by MSI or is being developed by other vendor. If it is being developed by other vendor, the scope of MSI shall be limited to integration only.	RFQ cum RFP is clear
601.	Volume III, Section 2.2.4.3	124	Enhancement of Website	It is understood that the content creation and providing the content is responsibility of IITGNL.	RFQ cum RFP is clear on scope of MSI
602.	Volume III, Section 2.2.4.4	126	Chatbot Solution	The chatbot solution with AI, ML, etc functionaly are generally cloud hosted, hence, it is assumed that there will be integration carried out for static / dynamic queries. Please confirm.	RFQ cum RFP is clear
603.	Volume III, Software	NA	eMail, SMS Gateway, Payment Gateway, Mobile App, etc.	It is understood that SMS Gateway, Payment Gateway, etc shall be provided by IITGNL.	RFQ cum RFP is clear
604.	Volume III, Section 2.2.8.2	231	TR 8.50 The workstations shall have at least 8 GB DDR3 memory @ 2666 MHz	Requesting you to modify the clause as The workstations shall have at least 32 GB memory as the VMS Clients require higher memory to process videos.	Refer to Corrigendum.
605.	Volume III, Section 2.2.8.5	242	FR 8.39 All alerts, logs and events generated by cloud infrastructure / hosting should be seamlessly integrated with Enterprise Management System, Network Management System, Anti-	Since the infrastructure is hosted at CSP end and many features are taken as a service rather than dedicated devices. Hence, capturing the alerts, logs and events of cloud infrastructure and integration of the same is not possible. Hence, requesting you to remove the	Scope of RFQ cum RFP is clear and prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			DDOS, SIEM or any other solution provided by the MSI.	clause.	
606.	Volume III, Section 2.2.8.5	244	TR 8.190 Cloud solution shall provide an option of extending an MPLS to cloud.	Requesting you to provide clarity on what is envisaged by extending an MPLS to cloud.	RFQ cum RFP is clear
607.	Volume III, Section 2.2.8.5	244	TR 8.198 Following security features shall be provided as part of the Cloud solution: <ul style="list-style-type: none"> • Availability of global third party certifications: Cloud Services shall be certified (by a third party) for ISO 9001, ISO 27001, ISO 20000; • Identity and Access Management (IAM): that allows controlling of level of access to the users to the CSPs infrastructure services. With IAM, each user shall have unique security credentials, eliminating the need for shared passwords or keys and allowing the security best practices of role separation and least privilege; • Cloud solution shall provide Directory service as a cloud service backed by SLA. The Identity service shall allow single 	Requesting you to clarify whether IAM, Directory Services, SSO, etc has to be provided by CSP or MSI	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			sign-on (SSO); and • Secure Access – Client access points, also called API endpoints, shall allow secure HTTP access (HTTPS) so that the Agencies shall establish secure communication sessions with Cloud services using Secure Sockets Layer (SSL)/Transport Layer Security (TLS) (Latest version		
608.	Volume III, Section 2.2.8.5	244	TR 8.203 Following security solutions shall be implemented by MSI: • Centralized Anti-Virus for the virtual machines, workstations/ laptops, Public Interactive Kiosks and on-premise hosting infrastructure; • DDoS attack Protection and Anti-DDoS; • Next Generation Firewalls; • Host Intrusion Prevention System (HIPS); • Intrusion Prevention System (IPS); • Web Application Firewall to help protect web applications from common web attacks such as SQL injection or cross-site	Requesting you to clarify whether IAM, Directory Services, SSO, etc has to be provided by CSP or MSI	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			scripting; • SIEM (Security Incident and Event Management) to monitor the security incidents; and • Mobile Device Management (MDM).		
609.	Volume III, Section 2.2.8.5	245	ON PREMISE PHYSICAL SERVER	Requesting you to clarify whether rack servers or blade servers are required to be provided. Requesting you to update the specifications accordingly.	As per Bidder's solution to meet the RFQ cum RFP requirements.
610.	Volume III, Section 2.2.9	249	All SCADA systems will have their own software and area of operations. A mini version of all SCADAs, which will be replica centres for utilities with mostly monitoring functionalities, will be positioned at the CIOC facility for integrated monitoring and operations	Requesting you to clarify whether SCADA systems will be hosted at CIOC. It is understood that the SCADA systems, hardware, software, space, rack, electrical requirements, etc shall be provided by IITGNL	RFQ cum RFP is clear
611.	Volume III, Section 2.2.9	254	FR 9.20 to 9.98	The functional requirement points are related to activities that is being performed by an individual. Hence, requesting removal of the same as CIOC platform may not be able to provide compliance to all the "activities".	RFQ cum RFP prevails
612.	Volume III, Section 2.2.9	254	CIOC Platform	In order to display all the requirements for Health, Water, Education, Power, etc., it is understood that IITGNL shall provide all the necessary integrations before Go-Live. In case	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				of non-availability of any of the systems, please clarify how the go-live signoff shall be provided.	
613.	Volume III, Section 2.2.9	264	Videowall Controller	Please clarify on the unnumber of inputs required for controller.	As per Bidder's solution to meet the RFQ cum RFP requirements.
614.	Volume III, Section 2.2.9	273	TR 9.226 It shall have ISDN PRI Cards 4 Nos. at minimum that shall be expandable for 8 Nos.	Please clarify on who will provide PRI lines	MSI scope
615.	Volume III, Section 3.2.9	324	MSI shall be responsible for setting up the Testing Control Centre on priority within 4 months of the effective date. MSI shall be responsible for operating and maintaining the Testing Control Centre at its own expense until the migration to the CIOC;	Please provide the status of CIOC so as to ascertain the periodicity of operating Testing Control Centre.	RFQ cum RFP is clear
616.	Volume III, Section 3.2.9	324	MSI shall be responsible for setting up the Testing Control Centre on priority within 4 months of the effective date. MSI shall be responsible for operating and maintaining the Testing Control Centre at its own expense until the migration to the CIOC;	Since Testing Control Centre is a temporary set up, please clarify whether all hardware is to be deployed at TCC and then migrate to CIOC. In such case, adequate downtime shall be required to migrate.	RFQ cum RFP is clear
617.	Volume III, Section 3.2.9	324	USB KVM	Please provide the details on the requirement of USB KVM along with specifications.	As per Bidder's solution to meet the requirements of the RFQ cum RFP
618.	Volume III, Section 3.2.11	330	MSI shall be responsible for establishing telecom	Please clarify on how many telecom connectivity is envisaged and	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			connectivity via feasible wired link at CIOC and Admin Building including Testing Control Centre.	between which locations.	
619.	Volume I, 1.6 Supply and Installation Cost Sub-Table 1	115	1.2. Trenching (Hand Trench and Micro Trench)	Please provide the details on trenches required. Or provide the details of number of plots (by each type) to be connected along with master plan of IITGNL	Masterplan is available as part of RFQ cum RFP
620.	Volume I, 1.6 Supply and Installation Cost Sub-Table 1	115	1.4 Manholes with accessories and core cutting (As per finalized design in DPR)	Please provide the quantity of manholes required. Or provide the details of number of plots (by each type) to be connected along with master plan of IITGNL	As per Bidder's design to meet the RFQ cum RFP requirements. Bidder is encouraged to do site visit for the same.
621.	Volume I, 1.6 Supply and Installation Cost Sub-Table 1	115	1.5. Handholes with accessories and core cutting (As per finalized design in DPR)	Please provide the quantity of handholes required. Or provide the details of number of plots (by each type) to be connected along with master plan of IITGNL	As per Bidder's design to meet the RFQ cum RFP requirements. Bidder is encouraged to do site visit for the same.
622.	Volume I, 1.6 Supply and Installation Cost Sub-Table 1	116	1.11. Fibre Distribution Management System (FDMS)	It is understood the Intelligent FDMS is not required.	RFQ cum RFP is clear
623.	Volume I, 1.6 Supply and Installation Cost Sub-Table 1	117	1.14.1. Type I: Industrial Grade Field Switch	Please clarify whether the switch count is including all Kiosk, ATCC, ANPR, Fixed, PTZ, etc camera locations along with necessary connectivity at field level.	RFQ cum RFP is clear
624.	Volume I, 1.6 Supply and Installation Cost Sub-Table 1	118	1.14.5. Server/Workstation Connectivity Ethernet Switch	Please clarify whether the count is fixed or the type / ports can be changed as per solution.	RFQ cum RFP prevails
625.	Volume I, 1.6 Supply and Installation Cost Sub-Table 1	118	1.16. POP Room (including all civil, interiors, electrical, mechanical, structural,	Please clarify whether 1000sq.ft area is for constructing the building or the plot area. Also clarify on whether any development is to be	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			communications, fire, furniture and fitouts) - 1000 Sq. Ft.	carried out in remaining space of allotted plot. Also clarify on the boundry wall required.	
626.	Volume I, 1.6 Supply and Installation Cost Sub-Table 1	119	2.1. Wi-Fi Access Point with Controller Nos - 30	Please clarify whether the count is inclusive of Wi-Fi APs asked within Kiosk.	The count is exclusive of Wi-Fi APs asked within Kiosk.
627.	Volume I, 1.6 Supply and Installation Cost Sub-Table 1	119	2.3. Poles for Field Devices Nos. 70.00	Please clarify whether the count is fixed and in case of any variation the amount shall be paid based on units.	RFQ cum RFP is clear
628.	Volume I, 1.6 Supply and Installation Cost Sub-Table 1	119	3.9. Gantry for ATCC and ANPR Cameras Nos. 6.00	Please clarify whether the count is fixed and in case of any variation the amount shall be paid based on units.	RFQ cum RFP is clear
629.	Volume I, 1.6 Supply and Installation Cost Sub-Table 1	122	4.22. Enhancement of e-LMS Set 1.00	Please clarify on the scope of "Enhancement" of e-LMS. As per our understanding, only integration is in scope of MSI since the system is already being developed by other vendor. All enhancements like development, modification of eLMS to meet this RFP requirement is in the scope of existing eLMS vendor.	RFQ cum RFP is clear
630.	Volume I, 1.6 Supply and Installation Cost Sub-Table 1	122	4.25 Dongle based e-Signature Solution	Please provide clarity on dongle based e-Signature solution. It is understood that the dongle, HSM, Digital Signature, etc. shall be provided by IITGNL.	RFQ cum RFP is clear
631.	Volume I, 1.6 Supply and Installation Cost Sub-Table 1	122	4.28. Digitization Pages 75,000.00	Please provide the details on type of digitization envisaged along with number of data entry to be carried out per page.	RFQ cum RFP is clear
632.	Volume I, 1.6 Supply and Installation Cost	122	4.29. Data Migration Set	Please provide details on what data is to be migrated. It is understood that the existing system are able to	MSI to assess and migrate legacy data as required

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Sub-Table 1			export the data in required format by new systems.	
633.	Volume I, 1.6 Supply and Installation Cost Sub-Table 1	124	8.1.1. Firewall Set 1.00	Please clarify whether only Firewall is required as it is in contradiction at section 2.2.8.5 requirements.	RFQ cum RFP is clear
634.	Volume I, 1.6 Supply and Installation Cost Sub-Table 1	124	8.7.1. UPS Inside POP Nos. 1.00 8.7.2. UPS Inside CIOC Nos. 1.00	It is understood that UPS is not required in redundancy, please clarify if understanding is correct.	RFQ cum RFP is clear
635.	Volume I, 1.6 Supply and Installation Cost Sub-Table 1	125	9.4. Room Control System including Panel Set 1.00	Requesting you to provide FR/BR/TR requirements for Room Control System and where is it envisaged to be placed.	RFQ cum RFP is clear
636.	Volume I, 1.6 Supply and Installation Cost Sub-Table 1	126	9.12. CIOC, TSP room, Server Room, CFC Room, Electrical Room Civil Works including interiors, electrical, mechanical, structural, communications, fire, fitouts, furniture etc. Sq.ft. 3,000.00	Please clarify whether all these are part of a single building or separate. At multiple places it has been elaborated that civil work is to be carried out only in 1000 sq.ft area which is in contradiction with the BoQ.	RFQ cum RFP is clear
637.	Volume I, 1.6 Supply and Installation Cost Sub-Table 1	126	9.13. Testing Control Centre Civil Works including interiors, electrical, mechanical, structural, communications, fire, fitouts, furniture etc. Sq. ft, 500.00	Please provide the elaborated requirement of Testing Control Centre as the specific details are not available in the RFP.	RFQ cum RFP is clear
638.	Volume I, 1.6 Supply and Installation Cost Sub-Table 1	115	Missing items in BoQ such as - SMS, e-Mail, WhatsApp Gateway, Payment Gateway, count of SMS, Call for EPABX,	Requesting you to amend the BoQ to cover all the missing items defined in RFP.	RFQ cum RFP is clear. Bidder can add relevant item as part of 'Any other Hardware or Software required to

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			PRI, Separate internet for Admin Users, Third Party Assessments, SSL certificates, hosting of e-LMS, migration, etc.		meet the RFQ cum RFP requirements.'
639.	4 Roles and Responsibilities	314	Temporary power during construction/implementation stage to be arranged and paid by MSI. Client shall only provide power during operations phase;	Since these are greenfield locations, getting temporary power connection is very expensive and time consuming. It is suggested that client provides the power connection, MSI will pay for the power. Request to amend the clause accordingly.	RFQ cum RFP prevails
640.	Volume 3 2.2.1.7 TR 1.158	31	The cable shall have a water repellent filled core and shall have a sunlight and weather resistant jacket of polyethylene (e.g. XLPE). MSI shall propose solution to meet the requirements of the RFQ cum RFP for fulfilling this particular requirement.	Water repellent should be replaced by water resistant to match other components used in the panel	RFQ cum RFP prevails
641.	Volume 3 2.2.9	329	Table 4: An overview of CIOC parameters	Some of the sub-systems to be integrated are not in MSI's scope. Systems such as Fire, Emergency Communications, Education, Healthcare will be installed by various plot owners and service providers. MSI will provide the API for integration, it will be the responsibility of plot owners and service providers to use the APIs for integration.	RFQ cum RFP is clear and prevails
642.	Volume 3 2.2.9	330	A mini version of all SCADAs, which will be	Please note that as per standard SCADA operational philosophy,	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			replica centres for utilities with mostly monitoring functionalities, will be positioned at the CIOC facility for integrated monitoring and operations.	there cannot be two controlling entities. Hence the phrase “mostly monitoring functionalities” in the sentence should be replaced with “only monitoring functionalities”.	
643.	II	56	55.3 Unless otherwise specified in the SCC, liquidated damages payable under GCC Clause 55.2 shall apply only to the failure and delay to achieve System Acceptance of the System (and Subsystems) / Operational Acceptance of Phases and Project as specified in the Implementation Schedule in the Terms of Reference and/or Agreed and Finalized Project Plan. This Clause 55.3 shall not limit, however, any other rights or remedies the Client may have under the Contract for other delays	<p>Please clarify the following:</p> <p>1) Liquidated damages will be applicable as per the Agreed and Finalized Project Plan as per GCC 46.2. In case of change/any deviation in finalized project plan during the course of the project for reason not attributable to Bidder, Bidder will be provided suitable time extension without any applicability of Liquidated damages / penalty.</p> <p>2) In case of change in proposed CIOC/POP location , Fiber proposed route, date of allocation of new site will be used for Liquidated damages calculation.</p>	RFQ cum RFP prevails
644.	II	78 & 79	GCC 55.2 Liquidated damages shall be assessed at 1.0 percent per week of Contract Value during implementation and DLP phase. The maximum liquidated damages are 10 percent of the Contract Value during the	The liquidated damage may please be made as 0.1% per week instead of 1% as per industry practice. Further, please consider Phase 4 for Final Go-Live as the only phase in which LD will be applicable on its delay. LD(s) on Phase 1, 2 and 3 are not applicable. Please confirm.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			implementation and DLP phase of the project. GCC 55.3 Liquidated damages shall be assessed at 1.0 percent per week of the total milestone payment which MSI has failed to achieve. Maximum liquidated damages shall be 10 percent of the total milestone payment.		
645.	II	78	Liquidated damages shall also be applicable to all the Milestones as defined in the Volume III – Terms of Reference	The liquidated damage may please be made as 0.1% per week instead of 1% as per industry practice. Further, please consider Phase 4 for Final Go-Live as the only phase in which LD will be applicable on its delay. LD(s) on Phase 1, 2 and 3 are not applicable. Please confirm.	RFQ cum RFP prevails
646.	II	16	10. Effectiveness of Contract 11. Commencement of Contract	Contract effectiveness cannot be Date of issuance of LoA or the date the contract is signed by both the parties as these dates cannot be the same. Please confirm criteria for Contract effectiveness date and Commencement of Contract by MSI	RFQ cum RFP prevails
647.	III	11	* For DMIC IITGNL plots – access communications include connectivity from the distribution communications trench until the Main Telecom Room (MTR) of the	Please specify Number of DMIC IITGNL plots and Non-DMIC IITGNL plots, where Bidder has to extend connectivity. In case of increase in number of plots, the change order for increase in cost and time shall be issued to	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			building. This includes fibre optic civil infrastructure and network cabling. * For Non-DMIC IITGNL plots – access communications also include connectivity from the distribution communications trench until the MTR of the building. However, in this case, the MSI will only provide fibre optic civil infrastructure (ducts) from the nearest ICT trench to just until inside the respective plot's Ring Main Unit (RMU) room	the Bidder before the commencement of the additional work. Please confirm.	
648.	I	36	19. Earnest Money Deposit/Bid Security (g) If the EMD is submitted in the form of Bank Guarantee or Demand Draft, then the EMD in original shall be placed in an envelope and attached with the envelope containing the Qualification Documents marked as "RFQ cum RFP – Appointment of Master System Integrator (MSI) For Supply, Implementation, Integration, Operations And Maintenance Of Smart	We understand only EMD (in the form of Bank Guarantee) is required to submitted as a part of Hard copy submission. No other hardcopy required to be submitted. Please confirm.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			City ICT Components At Integrated Industrial Township (IIT), Greater Noida under the DMIC Integrated Industrial Township Greater Noida Limited (DMIC IITGNL)" and "Not to be opened except in the presence of evaluation committee".		
649.	I	126	Any item/ material either hardware or software required to meet the functionality specified in the tender document whose related component is missing in the above table has to be accounted by the Bidder and the cost of the same is assumed to be reflected and taken care in the cost specified to the Client by the Bidder in the financial bid. The Client is liable only to pay the Contract costs as per the payment terms mentioned to the Bidder to meet all the requirements as specified in the bidding documents.	Please confirm that any change in the work order / purchase order / contract quantities will follow the route of Change Order. Further, the change order for increase in cost and time shall be issued to the Bidder before the commencement of the additional work.	RFQ cum RFP is clear
650.	I	35	In case any price variation happens on account of any increase/decrease of existing taxes or imposition of new taxes, then the	In case of any increase / decrease in the taxes and duties, introduction of new taxes and duties etc. the base price shall remain same and the payments shall be made as per the	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Revised Claim shall be submitted with detailed workings duly certified by a CA Firm	actual taxes and duties applicable as on the date of invoicing. Please confirm.	
651.	I	43	The Bidder whose Bid is adjudged as eligible for financial evaluation and who has the lowest bid price shall be declared as the successful Bidder (First Ranking Bidder) and shall be invited for Contract Signing. Subject to Clause 32, the first/highest ranked Bidder will ordinarily be the selected Bidder	Please confirm Bid Price shall be exclusive of taxes for evaluation purpose.	RFQ cum RFP is clear
652.	I	75	GCC 40.1 I. Supply and Installation Cost (SIC) Total Payment for Supply and Installation: 70% of Contract Price	It is requested to kindly change 70% to 85% of the Contract Price to maintain workable cash flows for the Bidder.	RFQ cum RFP prevails
653.	II	36 & 75	Go-Live and Operational Acceptance of Phase 1 - 10% Go-Live and Operational Acceptance of Phase 2 - 10% Go-Live and Operational Acceptance of Phase 3 - 10% Go-Live and Operational Acceptance of Phase 4 - 5% 33.4 The Client shall be	we request you to add the following clause: "In case if Go-Live gets delayed by more than 1 month for the reasons not attributable to Bidder or time extension as per clause No. 33.4 is issued, milestone payment against Go-Live and Operational Acceptance of Phase will be released upon submission of Bank guarantee of equivalent amount"	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			responsible for timely provision of all resources, access, and information necessary for the Installation and System Acceptance of the System (including, but not limited to, any required telecommunications or electric power services), as identified in the Agreed and Finalized Project Plan, except where provision of such items is explicitly identified in the Contract as being the responsibility of the MSI. Delay by the Client may result in an appropriate extension of the Time for Operational Acceptance.		
654.	III	302	3.2.9 CIOC area shall consist of CIOC operations room including operator consoles with video wall, a Manager Cabin, Boardroom + Visitor room for management and decision making, a rack room for colocating telecom equipment (Primary PoP), CFC room, TSP room, UPS and Electrical room. Design/build of all the	In case of variation in proposed dimensions of POP room and CIOC room, Bidder will paid for an additional area on pro-rata basis. Please confirm.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			CIOC area shall be done by MSI. Entire CIOC area shall be approximately 3000 sq. ft.;		
655.	III	315	<p>4.2 Client Through its authorized personnel and representatives Client shall:</p> <ul style="list-style-type: none"> * Provide basic infrastructure (power, space, access) required at each facility for installation of System equipment and for Training; * Client shall provide required area for development of PoP room; * Shall approve any provision of raw electricity up to mains power distribution panel at CIOC, PoP rooms, other sites; * Client shall pay the electricity bill for the smart city ICT components under the scope of this contract; 	<p>Please confirm the following:</p> <ol style="list-style-type: none"> 1) Construction power and constuction water during implementation period shall be provided by Customer without any additional cost. 2) Space for office and warehouse at site during implementation and AMC period will be provided by Customer. 	RFQ cum RFP is clear
656.	III	303	<p>3.2.9 MSI shall be responsible for supplying and installing Diesel Generator (DG) for the Admin Building. Operations and maintenance of DG including purchase and refilling of fuel, preventive</p>	As quantum and cost of fuel for Operations and maintenance period can't be estimated at the time of bidding. Therefore, we request you consider the fuel and consumables in Customer's scope and reimbursable to the bidder on quarterly basis. For parity in evaluation of financial bids, the cost	RFQ cum RFP Prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			maintenance, corrective maintenance shall be the responsibility of the MSI;	of fuel and consumables should not be a considered for evaluation. Request to amend the clause accordingly.	
657.	III	311	3.2.11 Telecom connectivity shall also support internet bandwidth for DMIC IITGNL users at Admin Building (minimum 20 users).	Please clarify the following: 1) Internet Bandwidth for Wi-Fi is not in Bidder scope. If yes, please specify the total bandwidth requirement. 2) Please specify, bandwidth requirement per user in Admin Building. 3) PRI Line for Helpdesk will be in the scope of MSI or Client.	1) Under MSI scope. RFQ cum RFP is clear. 2) As per Bidder solution to sustain office operations. 3) MSI scope
658.	III	311	3.2.11 SI shall be responsible for establishing telecom connectivity via feasible wired link at CIOC and Admin Building including Testing Control Centre. The link established by the MSI shall be operational as per the SLA with minimal points of failure and network downtime. In case of any downtime, the MSI shall ensure that there is no packet/data loss and upon restoration, the link is live with data transmission starting from the time of point of failure	Please address these queries: 1) Tripartite Agreement will be signed by Client, ISP and MSI. As per TRAI regulation, MSI can't resale bandwidth. Please confirm. 2) As per standard practice, Payment to ISP will be done directly by client as per Tripartite Agreement and Penalties to be deducted in their payment. 3) Kindly provide provision to quote cost of establishing telecom connectivity in CAPEX in Supply and Installation Cost (SIC).	RFQ cum RFP is clear on the requirements for telecom connectivity and compliance to regulatory norms
659.	III	15	The backbone and distribution trench for 80m, 60m, 45m, 30m Right-of-	Please confirm that the Right of way and reinstatement charges are in the scope of Customer and MSI will	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Way (RoW) – In this case, there shall be a concrete encased trench that will be provided by the EPC Contractor along the road.	have to provide 7 days advance intimation to Customer to start the work.	
660.	II	63	63.3 Till the end of the Contract, the storage, safety, theft-protection and security of the equipment and the entire system shall be the responsibility of the MSI. All the equipment supplied by the MSI under the Contract shall be insured for sufficient value till the end of the AMC period. All associated costs shall be borne by the MSI.	Deliberate damage and vandalism will not be in scope of MSI and MSI shall be excused of from penalties / liquidated damages, if applicable due to delays arising out of such events.	RFQ cum RFP is clear
661.	III	273	Third Party Testing: MSI shall get at least 1% of the material to be supplied as part of the RFQ cum RFP tested by a government laboratory such as NABL, TEC (or any other approved by the Client). Third party labs shall test the equipment for their conformance to the RFQ cum RFP requirements. No material shall be supplied on-site without successful third party testing from a government lab. The	Not all RFP products are tested in NABL and TEC Lab. Therefore, we request you to provide the list of the feasible items for which the tests can be conducted.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			components that shall undergo third party lab testing shall be decided by the Client or its representative in consultation with the MSI		
662.	III	273	On Supply of Material: Third party government agency shall perform an inspection once the material is supplied on-site and before commencement of any installation. Third party government agency shall certify that the material supplied on-site are as per the make & model and quantity approved by the Client or its representative. In addition, it shall also certify that material supplied on-site are in a proper condition and without any damage or wear and tear. In case there is a payment milestone based on supply of material, third party government agency shall also certify the submission of invoices are as per the material supplied on-site.	Please confirm that such Third party government agencies shall be arranged by Customer at its cost.	RFQ cum RFP is clear
663.	Volume I33 Client's Right to Vary Quantities at	44	The Client reserves the right at the time of Contract award to increase or	The total variation should be capped at plus/minus 5% of the Contract Price.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	the Time of Award		decrease, by the percentage (s) indicated in the BDS any of the following		
664.	Volume II 14.5 Change or Modifications or Variations	13	The Client may, at any time during the term of the Contract, instruct the MSI, by issuing a written notice, to carry out a Variation (a Variation Order).	The total variation/ change/ modification should be capped at plus/minus 5% of the Contract Price.	RFQ cum RFP prevails
665.	Volume II 15 Change in Law	15	Change in Law does not include: (i) any change in the (Indian) Income Tax Act, 1961 with regard to the taxes on the income of the MSI; (ii) any statute that has been published in draft form or as a bill that has been placed before the legislature or that has been passed by the relevant legislature as a bill but has not come into effect prior to the date of the Contract and which is a matter of public knowledge. However, if such bill becomes a law after the execution of the contract, it shall be considered as a change in law under Clause 15;	Request the following change in this clause: Red highlighted portion to be deleted. Green highlighted portion to be added.	RFQ cum RFP prevails
666.	Volume II 15.2 Change in Law	15	... then the MSI may notify the Client and appropriate adjustments	The MSI should also be entitled to extension of time in case of delay due to change in law.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			shall be made to the Total Value of Contract to account for the Change in Law.	To be added: "Any change in tax shall include any present or future change in taxes, levies, charges, cess, etc. or substitution of the same which was not considered at the time of bidding for any project."	
667.	Volume II 18.1.2 Termination by the Client for MSI's Default	18	Without prejudice to other provisions of this Contract, upon the occurrence of a MSI Event of Default, the Client may deliver a notice to the MSI specifying the nature of the breach and giving a cure period of thirty (30) days to the MSI to cure the MSI Event of Default.	Request 30 days to be increased to 45 days.	RFQ cum RFP prevails
668.	Volume II 18.1.2 Termination by the Client for MSI's Default	18	Provided that, in case of occurrence of a MSI Event of Default set out in Clauses 18.1.1(ii), or 18.1.1 (iv), the Client shall have the right to terminate the Contract immediately, without any obligation to provide a cure period.	Request to kindly delete this clause.	RFQ cum RFP prevails
669.	Volume II 18.1.8 Termination by the MSI for Client's Default	21	(i) if the Client fails to pay any undisputed money due to the MSI pursuant to this Contract within Sixty (60) calendar days after receiving written notice from the MSI that such payment is overdue;	60 days to be reduced 30 days.	RFQ cum RFP prevails
670.	Volume II 18.1.8	21	(ii) if the Client is in	45 days to be reduced to 30 days.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Termination by the MSI for Client's Default		material breach of its obligations under this Contract and has not remedied the same within forty five (45) days		
671.	Volume II 18.1.8 Termination by the MSI for Client's Default	21	(iv) if the Client suspends the performance of the Services for more than sixty (60) days	60 days to be reduced 45 days. Highlighted portion to be replaced as: "either Party".	RFQ cum RFP prevails
672.	Volume II 18.1.9 Termination by the MSI for Client's Default	21	Without prejudice to other provisions of this Contract, upon the occurrence of a Client Event of Default, the MSI may deliver a notice to the Client specifying the nature of the breach and giving a cure period of thirty (30) days to the Client to cure the Client Event of Default.	Clause to be replaced as: "The MSI shall be entitled to terminate the contract after the respective periods mentioned in the clauses above."	RFQ cum RFP prevails
673.	Volume II 18.1.15 Termination at Client's Convenience	22	The Client may at any time terminate the Contract for any reason by giving the MSI a notice of termination that refers to this GCC Clause 18 c.	This clause should not be accepted. If accepted, the MSI should be entitled to payment for works completed till the date of such termination and other attributable costs.	RFQ cum RFP prevails
674.	Volume II 18.1.18 Termination for Force Majeure	24	If a Force Majeure event affecting any Party subsists for a continuous period of one hundred eighty (180) days, then either Party may issue a notice of termination to the other Party.	180 days to be reduced to 90 days.	RFQ cum RFP prevails
675.	Volume II 18.1.18 Termination for	24	Upon receipt of this notice, the Parties shall have a	Clause to be deleted	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Force Majeure		period of fifteen (15) days to agree on the manner in which the Contract may be progressed upon cessation of the Force Majeure event and the variations, if any, required to the Contract to address the consequences of the Force Majeure event. If on the expiry of the fifteen (15) day period, the Parties fail to arrive at an agreement, either Party may immediately terminate this Contract by written notice to the other Party.		
676.	Volume II 18.1.19 Cessation of Rights and Obligations	24	Upon termination of this Contract pursuant to Clause 18, or upon expiration of this Contract pursuant to Clause 12, all rights and obligations of the Parties hereunder shall cease, except	The obligations listed in this clause should survive only for a period of one year after such termination.	RFQ cum RFP prevails
677.	Volume II 19.1 Indemnity	24	The MSI must indemnify and hold harmless the Client and the Client's staff, their Affiliates and directors of their Affiliates (each a "Client Indemnified Party") from and against any and all claims, liabilities, expenses, fine, penalties, taxes and losses suffered or incurred by the Client	Highlighted portion to be deleted. The total indemnity liability of the MSI should be capped at 10% of the contract price or actuals, whichever is lower. Any claim under indemnity can be made only within one year of the expiry/ termination of the Contract, as the case maybe. The indemnity liability of MSI throughout the Contract should only accrue if the contravention, wrongful	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Indemnified Party, including claims by a third party, arising out of	act, breach, infringement, etc. is directly attributable to MSI.	
678.	Volume II 19.1 Indemnity	24	(viii) infringement of the Intellectual Property Rights of any third party by the MSI under the Contract	Sub-clause to be deleted.	RFQ cum RFP prevails
679.	Volume II 19.7 Indemnity	26	(i) continuing, separate and independent obligation of the Parties from their other obligations and shall survive the termination of this Contract for the period of one year.	Highlighted portion to be added.	RFQ cum RFP prevails
680.	Volume II 20 Settlement of Disputes	27	Any dispute which is not resolved amicably as provided in Clause 67 within 30 days of such dispute arising, such disputes shall be settled by arbitration in accordance with the following provisions	Highlighted portion to be added.	RFQ cum RFP prevails
681.	Volume II 24 Liability of the MSI	31	Subject to the exclusions set out in the SCC, the overall liability of the MSI and the Client under this Contract shall not exceed the Contract Price, provided that this limitation shall not apply to any obligation of the MSI to indemnify the Client with respect to intellectual property rights infringement.	Request to delete the highlighted portion	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
682.	Volume II 39 Securities	38	(iii) The security shall automatically become null and void once all the obligations of the MSI under the Contract have been fulfilled satisfactorily, including, but not limited to, any obligations during the Warranty Period and any extensions to the period.	Highlighted portion to be replaced as: "as per the terms of the contract" The Performance Security should be valid only till the end of the defect liability period.	RFQ cum RFP prevails
683.	Volume II 56.1 Extension of Time for Achieving Operational Acceptance	56	The time(s) for achieving Operational Acceptance specified in the Schedule of Implementation shall be extended if the MSI is delayed or impeded in the performance of any of its obligations under the Contract by reason of any of the following:	Sub-clause e) to be added: "any reason beyond the control of the MSI."	RFQ cum RFP prevails
684.	Volume II 57.5 Defect Liability	57	If during the Defect Liability (Warranty) Period any defect as described in GCC Clause 57.1 should be found in the design, engineering, Materials, and workmanship of the Information Technologies and other Goods supplied ...	This defect liability clause should have the exceptions as given at the end of this assessment sheet. The MSI should be liable under this clause to repair, replace, or otherwise make good any defects only if the defect is directly attributable to the MSI. Please amend the clause accordingly.	RFQ cum RFP prevails
685.	Volume II 57.10 Defect Liability	58	If the MSI fails to commence the work necessary to remedy such	This is a Risk Purchase clause which is unacceptable. If accepted the total risk purchase	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			defect or any damage to the System caused by such defect within the time period specified in the SCC, the Client may, following notice to the MSI, proceed to do such work or contract a third party (or parties) to do such work, and the reasonable costs incurred by the Client in connection with such work shall be paid to the Client by the MSI or may be deducted by the Client from any monies due the MSI or claimed under the Performance Security.	liability of MSI should be limited to actuals or 5% of the Contract Price, whichever is lower.	
686.	Volume II GCC 64	63	Loss of or Damage to Property; Accident or Injury to Workers; Indemnification	The total indemnity liability of the MSI should be capped at 10% of the contract price or actuals, whichever is lower. Any claim under indemnity can be made only within one year of the expiry/termination of the Contract, as the case maybe. The indemnity liability of bidder throughout the Contract should only accrue if the contravention, wrongful act, breach, infringement, etc. is directly attributable to MSI.	RFQ cum RFP prevails
687.	Volume II 65.3 Force Majeure	65	The Time for Achieving Operational Acceptance shall be extended in accordance with GCC Clause 56	Along with extension of time, the MSI should be entitled to additional costs, in case of force majeure events.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			(Extension of Time for Achieving Operational Acceptance).		
688.	Volume II Force Majeure	65	is substantially prevented, hindered, or delayed for a single period of more than sixty (60) days or an aggregate period of more than one hundred and twenty (120) days on account of one or more events of Force Majeure during the time period covered by the Contract, the Parties will attempt to develop a mutually satisfactory solution, failing which, either party may terminate the Contract by giving a notice to the other.	Majeure event lasts for a period of 90 days, either Party should have the right to terminate the Contract. In case of termination the MSI should be entitled to payment for work done till the date of such termination and other attributable costs.	RFQ cum RFP prevails
689.	Volume II 69.1 Assignment		Except as expressly permitted in the Contract, the MSI shall not be entitled to divest, transfer, assign or novate all or substantially all of its rights, interests, benefits and obligations under the Contract, without the prior written consent of the Client.	Such consent should not be unreasonably withheld or denied. Please amend the clause accordingly.	RFQ cum RFP prevails
690.	Volume II GCC 36.2(b)	37	Adjustments to the Contract Price shall be as follows: <i>none</i> .	The Contract Price should be adjusted in cases mentioned under the Contract.	RFQ cum RFP prevails
691.	Volume II GCC 55.3	56	Liquidated damages shall also be applicable to all	Clause to be added: Notwithstanding anything contrary	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			the Milestones as defined in the Volume III – Terms of Reference.	contained herein, if the MSI is delayed in achieving any particular milestone as per the terms of the Contract, however, able to achieve the cumulative timeline in accordance with the final contract completion date, then the MSI shall not be liable for any liquidated damages.	
692.	Volume II GCC 57.10	58	During the Maintenance Period, the MSI must commence the work necessary to remedy defects or damage within 2 hours of notification	2 hours to be increased to 24 hours.	RFQ cum RFP prevails
693.	Volume II GCC 68.1	67	(ii) The Performance Security shall be valid until a date 180 days beyond the issuance of the Contract Completion Certificate.	The performance security should be valid only till the end of the warranty / defect liability period.	RFQ cum RFP prevails
694.	Vol 3	234	The Video wall Controller provided as part of CIOC will manage and drive all visual content to the various display devices, including the video display wall. All city systems will display content through the video wall controller.	Change Request: This Video wall controller part will not include in the Platform.	RFQ cum RFP prevails
695.	Vol 3	234	All workstation units of the operator workstations shall be installed at the central rack rooms so that space at the CIOC operator desks can be optimized.	Change Request: This is purely Infrastructural requirement(Civil) but not the part of platform functionality.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			The operators and other personnel operating from the CIOC shall only have displays, keyboard and mouse at their workstation desks.		
696.	Vol 3	234	It shall also receive, normalize and make good data received from social media integration. It is required that the platform supports both structured and unstructured data inputs.	Clarification: is there any existing DBs available , if yes what are the Structured/Unstructured DBs.	Details will be shared with successful Bidder
697.	Vol 3	238	ANALYTICS AND VISUALIZATIONS	Clarification: Pls provide us with Domain wise Use cases to provide analytics and visualizations.	RFQ cum RFP prevails
698.	Vol 3	239	Reporting module shall offer a library of “statement”, “report” and “predefined dashboards” which can be easily modified as per DMIC IITGNL needs;	Clarification: Pls provide predefined dashboards and reports templates.	RFQ cum RFP prevails
699.	Vol 3	257	Historian - Platform shall have in-built function to store all platform related data for a user defined period of time;	Clarification: Pls Provide the storage period (retention) of platform related data.	RFQ cum RFP prevails
700.	Vol 3	257	The platform shall provide a real-time relational database storage for long-term storage of process data. The data store shall enable the storage of real-time and historical data for	Clarification: Pls provide rational DB capacity required (Tentative).	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			each analog, discrete or string tag name. It shall also store summary, event, alarm and configuration data;		
701.	Vol 3	259	The platform software shall provide output to the Video Display Wall (VDW) in its compatible formats– e.g. webpages and H.264.	Change request: video feeds will be integrated to VMS and VMS will provide Input to Video display wall. VMS also integrated with platform for surveillance dashboard purpose.	RFQ cum RFP prevails
702.	Vol 3	304	Mobile version for the smart city platform for the Client	Request to clearly define the scope for mobile version and limit it to only monitoring or viewing of KPI's based on the role.	RFQ cum RFP prevails
703.	Vol 3	305	MSI shall integrate and migrate the e-LMS application and website on cloud. For the same, MSI shall coordinate with e-LMS SI	Request to specify the database size and table architecture for eLMS and website. Also mention who is the MSI currently handling it.	Details to be shared with successful Bidder.
704.	Vol 3	308	City Integrated Operation Centre Applications and Smart City Platform RTO<=30 Mins and RPO<= 20 mins.	Change Request: City Integrated Operation Centre Applications and Smart City Platform RTO=30 Mins and RPO= 180 mins.	RFQ cum RFP prevails
705.	Vol 3			What should be the retention period for storing video surveillance data ?	RFQ cum RFP is clear
706.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference	99	The ultimate goal of ISM is to create one holistic system which allows DMIC IITGNL to be lean and efficient in their business processes and functions and provide 100% online services to the citizens.	MSI shall get the repository of DMIC IITGNL Business process for further Implementation in ISM. What will be the process to get the approved processes for implementation and at what stage of of project thos proceses will be handover to MSI. IITGNL is requested to provide details.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
707.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference	104	BR 4.15 - Audit trail and logs for all changes in IIT software modules including databases shall be provided to the ISM admin user for traceability purposes.	Do DMIC IITGNL have recommended software for this or MSI is free to recommend the applicable software. Please clarify	As per Bidder's solution to meet the RFQ cum RFP requirements
708.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference	104	BR 4.18 - The solution shall also include SMS gateway, e-Mail gateway and WhatsApp gateway. The solution shall integrate with SMS, e-Mail and WhatsApp gateway wherever such an event is required to be triggered. Stages at which SMS/WhatsApp/e-Mail to stakeholders are to be triggered shall be decided by the Client in consultation with the MSI.	the required gateways to meet this business requirement shall be provided by Client. Please confirm	RFQ cum RFP is clear
709.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference	105	BR 4.19 - iOS and Android Mobile application for applications that are required as part of this solution shall be implemented. However, the exact list of applications for which mobile application shall be developed shall be decided by the Client.	Scope of mobile application is not correctly defined. We request to have the exact list of applications for which mobile application shall be developed	RFQ cum RFP is clear
710.	IIT-MSI-RFQ cum RFP-Volume III- Terms of	110	FR 4.72 - The system will provide BARCODE/RFID Integration and Social and	MSI shall provide API's for integration with BARCODE / RFID to the service provide. Physiccal	Functionality to support the same shall be available.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Reference		Mobile Extensions to enhance responsiveness and accessibility. Please clarify Scocial extension here, what is expected from MSI	devices shall be provided by client/respective implementation agency.	
711.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference	136	FR 4.317- The Portal platform shall provide support for portal standards such as JSR 168, WSRP 2.0 and JSR-170.	The list of standard are limited to given or open for other standard too such as PSR standards	RFQ cum RFP is clear
712.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference	164	FR 4.778 - System should be integrated and/or interfaced with a third party products e.g. MS Project or Primavera as per choice of DMIC IITGNL.	this requirement only for integrating with scheduling solution. Implementation of Scheduling software will not be part of MSI	RFQ cum RFP is clear
713.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference	287	3.1.1 Project management - All the tools required by MSI for project management, configuration management, issue and risk management, escalation procedure and matrix document repository etc. shall be factored in the proposal submitted by MSI. MSI shall submit periodic baseline schedules in Work Breakdown Structure (WBS).	Request to clarify that MSI shall be free to choose required tools for project management and no constraint from Client	RFQ cum RFP is clear
714.	IIT-MSI-RFQ cum RFP-Volume III-	107	2.2.4.1 Workflow and File Management System	Does MSI free to go with any open source technology or any COTS	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Terms of Reference		A robust work flow framework and document management system is to be implemented at DMIC IITGNL	application or have to deploy any recommended COTS Application	
715.	DISTRIBUTION SWITCH AT POP(TR 1.240)	36	Switch should support IPv6 56K Routing entry. (60)52K	As this switch will work at the distribution layer and most of the data would be there carried over VLANs so this kind of high IP routing table will not be required in any of the scenarios keeping supernating in mind as well , Still it is our request if for a bigger participation form the leading vendor if this can be change to the "Switch should support IPv6 52K Routing entry."	RFQ cum RFP prevails
716.	DISTRIBUTION SWITCH AT POP(TR 1.241)	36	Switch should support 16K Multicast Routing entry	As the multicast will be used in different manner and at the level of distribution switch IGMPv2/V3 will work so even 8 K multicast routing table will be good to go even for the next 10-15 years . So for the bigger participation over here from leading OEM request you to change to the following clause " Switch should suport 8K Multicast Routing entry"	RFQ cum RFP prevails
717.	DISTRIBUTION SWITCH AT POP(TR 1.247)	36	Graceful restart for OSPF, IS-IS and BGP protocols	As per the best praticies in the LAN OSPF and BGP is being used for the convergence of the network and routing protocol and ISIS has never been used across the world for the kind of required of DMIDC any where. Request you to change the clause as "Graceful restart for OSPF/IS-IS and BGP protocols." for	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				the leading vendor to qualify .	
718.	DISTRIBUTION SWITCH AT POP(TR 1.248)	36	Bidirectional Forwarding Detection (BFD) for OSPF, IS-IS and BGP protocols	As per the best practices in the LAN OSPF and BGP is being used for the convergence of the network and routing protocol and ISIS has never been used across the world any where. So for the participation from the leading OEM please change this to "Bidirectional Forwarding Detection (BFD) for OSPF/ IS-IS and BGP protocols"	RFQ cum RFP prevails
719.	DISTRIBUTION SWITCH AT POP(TR 1.260)	36	IS-IS for IPv4 and IPv6 (IS-ISv6)	As per the best practices in the LAN OSPF and BGP is being used for the convergence of the network and routing protocol and ISIS has never been used across the world any where . Kindly remove this clause as this will not be required in any of the architectures considering LAN protocols generally used OSPF or BGP	RFQ cum RFP prevails
720.	DISTRIBUTION SWITCH AT POP(TR 1.287)	37	System should be tested and certified for EAL 2 or above or NDPP certified at time of delivery	EAL2 or NDPP is a certificate for development cycle of the device OS and every vendor develop their software as per to consume the hardware architecture . We are only requesting to change the language over here so that there will not be any confusion while proposing the system for the requirement. Hence request you to amend the clause as "System/OS should be tested and certified for EAL 2 or above or NDPP certified at time of delivery"	RFQ cum RFP prevails
721.	Ethernet Switch &	39	The switch should have	In a city Scenarios the kind of	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Router – Layer 3 (Core switch)-TR 1.320		500K IPV4 and 500K IPv6 Routes	routing table whihc has been asked will never been used and maximum 50 routes will be there in the routing table considering supernetting of the routing table whihc comes by default one one sees the routing table . though the ask is multifold which can be only the ask of a service prioneer whihc is serving customers across India is not the right ask . Also IPv4 are of 32bit and IPv6 are of 128bit in that case the ratio of IPv6 should be rationally less than IPv4. It can not be equal. So Request you to amend the clause as bleow whihc is again on the very much higer side but atleast leading OEM would qualify :-"The switch should have 128K IPV4 and 20K IPv6 Routes"	
722.	Core Router(TR 1.360)	41	Router should be provided with 1+1 route processor, 1+1 or 1+N switch fabric and 1+1 or 1+N power supply redundancy	Since these specifications are of router and 1+N switch fabric clause is not applicable here. Request you to amend the clause as:- "Router should be provided with 1+1 route processor and 1+1 or 1+N power supply redundancy"	RFQ cum RFP prevails
723.	Core Router(TR 1.361)	41	The router shall support following type of interfaces – 100GE, 40GE, 10GE, 1GE interfaces.	100G and 40G interfaces are required in carrier/ISP grade, may not required in the project link smart city hence request you to remove the interface 100G and 40G and amend the clause as:- The router shall support following type of multiple interfaces – 10GE, 1GE interfaces.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
724.	Core Router(TR 1.363)	41	The operating system of the router shall have a microkernel- based architecture.	Kindly amend the clause as "The operating system of the router shall have a microkernel-based/modular based OS architecture"	RFQ cum RFP prevails
725.	Core Router(TR 1.369)	41	The router should support minimum 64K MAC address, minimum 64K Psedowires	Since we can creat multiple Psedowire circuities within single VPLS instance as there are many architectures available to handle the traffic in a much effcient way , hence request you to change the clause as :- "The router should support minimum 64K MAC address, minimum 64K Psedowires or 4K VPLS instances"	RFQ cum RFP prevails
726.	Core Router(TR 1.372)	42	Shall support SyncE (1588)	Synchronous Ethernet (SyncE) is a physical layer (PHY)-based technology delivering frequency synchronization in packet-based. Microsemi also supports evolving network needs for frequency, phase and time-of-day (TOD) synchronization with its timing and synchronization systems for highly accurate "precise time" distribution using today's precise timing standards GPS-based timing and Network Time Protocol (NTP).Request you to change the clause as :-" Shall support syncE/NTP"	RFQ cum RFP prevails
727.	Core Router(TR 1.378)	43	Shall support MPLS Provider/Provider Edge functionality. MPLS VPN, MPLS mVPN (Multicast VPN), Carrier Supporting Carrier (CSC), DiffServ	CESoPSN and SAToP are traditional technologies hence request you to amend the clause as "Shall support MPLS Provider/Provider Edge functionality. MPLS VPN, MPLS mVPN (Multicast	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Tunnel Modes, MPLS TE (Fast re-route), DiffServ-Aware TE, Inter-AS VPN, Resource Reservation Protocol (RSVP), VPLS, VPWS, Ethernet over MPLS, CESoPSN and SAToP as per RFC 4553	VPN), Carrier Supporting Carrier (CSC), DiffServ Tunnel Modes, MPLS TE (Fast re-route), DiffServ-Aware TE, Inter-AS VPN, Resource Reservation Protocol (RSVP), VPLS, VPWS, Ethernet over MPLS"	
728.	Core Router(TR 1.416)	44	Minimum 6 x 40G fibre port from day 1 and scalable 6 X 100G in future. ISP level	for the better design prospective and terminating the MultiISP Scenarions multiple 10G links is the better option to go with and the same is available from all service providers. so please change the clause to "The router shall support following type of multiple interfaces – 10GE, 1GE interfaces."	RFQ cum RFP prevails
729.	L2 SWITCH (Server/Workstation Connectivity Ethernet Switch – Minimum 24 Ports)- TR 1.426	44	Switch should have minimum 2 GB RAM and 2 GB Flash	Memory requirement are designed based on the requirement of the operating system of the respective OEM to meet the desired performance, and every OEM OS has different Memeory requirement so, kindly amend the clause as for the leading OEM to participate:- "Switch should have minimum 1 GB RAM and 2 GB Flash"	RFQ cum RFP prevails
730.	L2 SWITCH (Server/Workstation Connectivity Ethernet Switch – Minimum 24 Ports)- TR 1.432	45	Shall support up to 4,000 IEEE 802.1Q-based VLANs	at a work Station level Switch which is again of 24 ports as per the requirment 4000 .1Q will never be the ask . So for the bigger participation fromk leading OEM Request you to change the clause as:-"Shall support up to 2,000 IEEE 802.1Q-based VLANs"	RFQ cum RFP prevails
731.	L2 SWITCH	45	Switch should support	Flow entry always in netflow and	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	(Server/Workstation Connectivity Ethernet Switch – Minimum 24 Ports)- TR 1.442		atleast 16K flow entries	supporting particular OEM. Sflow is the open standard which works on trafficv pattren. Also Supported by most of the OEM. Request you to kindly modify the clause as"- change it to 16K flow entries or sflow.	
732.	L2 SWITCH (Server/Workstation Connectivity Ethernet Switch – Minimum 24 Ports)- TR 1.443	45	Switch should support 128 or more STP Instances	As STP protocol can work in different configurations also STP is old technology most of the OEMs are using MSTP or RSTP. "Request you to modify it to 128 or more STP Instances or 64 instance for MSTP"	RFQ cum RFP prevails
733.	L2 SWITCH (Server/Workstation Connectivity Ethernet Switch – Minimum 24 Ports)- TR 1.444	45	Switch shall have minimum 16K MAC Addresses and 4000 active VLAN	Ata L2 level Switch is which is again for the work station level Asked VLANs are very high hence modify the clause as:- "Switch shall have minimum 16K MAC Addresses and 2000 active VLAN"	RFQ cum RFP prevails
734.	L2 SWITCH (Server/Workstation Connectivity Ethernet Switch – Minimum 24 Ports)- TR 1.445	45	Should support minimum 11K IPv4 routes or more	It is layer 2 switch, even 10 routes will be sufficient if we will do L3 routing we have asked for 11K routes which is way high and never been used so for the bigger particiaption please change we can keep the IPv4 routes to 2K IPV4 routes whihc will be gain on very higher side but since the higher capacity is already been published in the RFP so for the bigger particiaption we can look for 2K routes. Kindly change the clause :- "Should support minimum 2K IPv4 routes or more."	RFQ cum RFP prevails
735.	Wi-Fi MANAGEMENT	62	Subscriber services: The system shall provide the	For self-serive portal, the solution should be integrated with third party	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	SYSTEM(TR-2.57)		users with a self-service portal to enable the new users to register, subscribe, seek information on tariff and billing, update user profile, and make payment through the portal.	applications to provide self service portal hence kindly amend the clause as:- "Subscriber services: The system shall provide the users with a self-service portal/via integrating with third part applications, to enable the new users to register, subscribe, seek information on tariff and billing, update user profile, and make payment through the portal." Note : Please mention the 3rd Party applications in the clause because billing parameter no WiFi vendor takes care . OEM only can support the right data to third party in terms of usage"	
736.	Wi-Fi MANAGEMENT SYSTEM(TR-2.61)	62	Option for One Time Password (OTP) based access shall be available for users to access Wi-Fi network	This can be achieved via integration with third part app. Request you to amend the clause as"Option for One Time Password (OTP) based access shall be available for users to access Wi-Fi network" via integration with third party applications which is the OSS/ BSS of the WiFi system .	RFQ cum RFP prevails
737.	Volume 3, On Premise Physical Server/TR 8.231	227	The server shall have Dual Processor Intel Xeon Scalable CPU/ 16 Cores 3.6Ghz or better	Please clarify if 2 x 8C/3.6Ghz or better Intel Xeon Scalable CPU's need to be configured per server since 16C/3.6Ghz CPU option is not available in latest generation Intel Xeon Scalable family.	RFQ cum RFP prevails
738.	Volume 3, On Premise Physical Server/TR 8.235	227	The server chassis shall be rack mountable and include rack mounting hardware. The chassis should support Compute	This clause is specific to blade server chassis but the RFP specs are asking for rack server. Therefore request to update the clause to "The server shall be rack mountable and	The server shall be rack server only

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			and storage sleds.	include rack mounting hardware."	
739.	Volume 3, On Premise Physical Server/TR 8.243	227	The Server Management Software shall provide role-based security along with pre-failure warning for: CPU, Memory, HDD.	Every server OEM has different architecture, hence request to update this clause to "The Server Management Software shall provide role-based security along with pre-failure warning for: Memory, HDD"	RFQ cum RFP prevails
740.	Volume 3, On Premise Physical Server/TR 8.244	227	The Server shall be provided with redundant hot swappable power supplies. The power supplies shall be FCC Class-A certified.	FCC certification is an American standard that deals strictly with electromagnetic interference whereas it's European equivalent CE covers safety oriented requirements as well and all major server vendors comply with the same. Therefore request the authority to update the clause "The Server shall be provided with redundant hot swappable power supplies. The power supplies shall be FCC Class-A or CE certified."	Refer to Corrigendum.
741.	Volume 3, On Premise Storage /TR 8.248	228	The MSI shall provide unified storage for storing the video data for at least 30 days on-premise server. Any other non-video data which is generated on-premise shall be stored in unified storage.	Kindly update the clause to "The MSI shall provide SAN/NAS/UNIFIED storage for storing the video data for at least 30 days on-premise. Any other non-video data which is generated on-premise shall be stored in SAN/NAS/UNIFIED storage.", so that MSI can propose best possible storage solution as per functional requirement.	RFQ cum RFP prevails
742.	Volume 3, On Premise Storage /TR 8.250	228	Unified Storage Solution should be IP Based /iSCSI/FC/FCOE/NFS/CIFS as per the application requirement	Request the authority to update this clause to " SAN/NAS/UNIFIED Storage Solution should be IP Based /iSCSI/FC/FCOE/NFS/CIFS as per the application requirement" ,	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				so that MSI can propose best possible storage solution as per functional requirement.	
743.	Volume 3, On Premise Storage /TR 8.253	228	Storage should support all industry standard RAID type like RAID 0,1,10,5,6 & 50.	Kindly update the clause to "Storage should support RAID-6 or better" since video data will be stored on large capacity NLSAS drives , hence double disk failure protection is crucial to maintain high SLA levels.	RFQ cum RFP prevails
744.	Volume 3, On Premise Storage /TR 8.254	228	Modular design to support controllers and disk drives expansion	All major storage vendors in market support max. dual controller configuration in which multiple disk enclosures can be added as per capacity requirement. Therefore request the authority to revise the clause to " Modular design to support disk enclosure and disk drives expansion"	RFQ cum RFP prevails
745.	IIT-MSI-RFQ cum RFP-Volume III- Section 2.2.4	80	DMIC IITGNL Corporate Website - there is an existing website www.iitgnl.com which will be revamped as part of this project	As per our understanding same website needs to be modified please provide clarification on functionality and scope that has to be added.	RFQ cum RFP is clear
746.	IIT-MSI-RFQ cum RFP-Volume III- Section 2.2.4	80	Customer Facing Systems: Multi-Channel Communication Centre for citizens, Portal, e-governance functions such as RTI, Grievance, m-Governance Functions, Social Governance, Web based GIS layer, Public Interactive Kiosk and Mobile Applications, Management Information	Please clarify if we need mobile app for existing website.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			System along with KPI and Dashboards;		
747.	IIT-MSI-RFQ cum RFP-Volume III - BR 4.19	86	IOS & Android mobile application for applications that are required as part of this solution shall be implemented .	Request you to provide list of all E-gov services which will be a part of Citizen Mobile App.	RFQ cum RFP is clear
748.	IIT-MSI-RFQ cum RFP-Volume III - Section 2.2.4	81	The list of systems which are envisaged to be developed are : RTI Legal Cell Water Utility Management & Payments	Please clarify if we will have APIs available or will be provided to integrate these systems ? Or we have to just navigate to third party portals.	RFQ cum RFP is clear
749.	Volume III	General		There are only about less than 5 sq km of land area and it is presumed that a cost effective solution is required. Please confirm if there is a full COTS requirement , like these applications must work on multiple data bases like Informix, DB2 etc (Page 117) Do we need to propose any products for the ERP, Portal and GIS or bespoke developed systems satisfying the business needs of IITGNL will also be acceptable?	RFQ cum RFP is clear
750.	Volume III/FR 4.105	97	Incident Management	Please clarify the meaning "there will be one system which will have full control of the entire system"	RFQ cum RFP prevails
751.	Volume III/FR 4.105	99	Incident Management	There is a perceived duplication of functionality as described between GIS and ERP as for example the concerned department linkage is maintained in ERP and the GIS	The MSI has to propose a solution describing how this functionality would be provided as this would entail an

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				gives a spatial view of the location. Please clarify if the business needs of IITGNL can be met by providing the required business functionality at only one System only.	overlap between the GIS and ERP functionalities for the associated maintenance work. DMIC IITGNL requires this functionality in only one system but GIS view is a requirement.
752.	Volume III/FR 4.295	114	"Single Window Service"	Please clarify the meaning of stakeholders as a single window can be provided to customers and for the senior management, a dashboard for monitoring & control and approval purposes. For the back office personnel a direct access to the individual systems may be required. A relevant subset of the system functionality is proposed to be provided on the Portal & Mobile.	RFQ cum RFP is clear
753.	Volume III/FR 4.311	116	Mirroring of Functionality	Please clarify if all functionality needs to be mirrored between the Portal and the Mobile as the screen size of the mobile will place constraints. It is proposed to provide the Portal and Mobile functionality as determined during the requirements gathering sessions.	RFQ cum RFP is clear
754.	Volume III/FR 4.353 to 4.1039	119-166	ERP Functionality	Please confirm if the entire functionality which is listed will be moved to the production system and be used by customer? Or the required functionality will be determined during the requirements gathering phase and the listed functionality is to be used as a guidance for the detailed sessions	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				with the users.	
755.	Volume III/FR 4.355	119	Tracking incoming Payment	Customer will facilitate that the incumbent eLMS vendor makes the required changes as per the business requirements	RFQ cum RFP is clear
756.	Volume III/ FR 4.376	120	Usage of Fibre Network	Please clarify the premise for revenue sharing on percentage basis? Will IITGNL ensure the access to the systems of the TSP for integration purposes?	RFQ cum RFP is clear
757.	Volume III/ FR 4.376	120	Usage of Fibre Network	for implementation of this functionality changes may be required in the LMS and/or Portal. Secondly for payments made directly to the bank account through NEFT the process may entail some manual processes as per the details to be furnished by the customers as the payments are being made outside the IITGNL systems.	RFQ cum RFP is clear
758.	Volume III/FR 4.522	129	Management accounting and Costing	Please confirm if the following functionalities are required? - will there be multiple legal entities to be managed in the finance module - requirement to define as well as amend internal organisation structures for reporting purposes - cost sheets - cost allocations - adding of taxes to management accounting due to the netting of taxes paid for inputs to vendors and taxes collected from customers on outputs - whether departments would be	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				providing chargeable services to another department and hence rates need to be specified	
759.	Volume III/FR 4.663	136 & 137	Inventory Management /Maintain Stock Levels	are stocks proposed to be maintained by the customer for which there will be a goods issue and receipt	Stocks may need to be maintained for applicable equipment.
760.	Volume III/FR 4.705 to 4.775	138	Operations and Maintenance (Module Level)	For maintenance work post completion please confirm if the EPC contractor will be using the ERP system for carrying out maintenance work during the contracted support period?	As per DMIC IITGNL discretion
761.	Volume III/FR 4.705 to 4.775	138	Operations and Maintenance (Module Level)	Does IITGNL propose to provide user id's to the associates of the EPC contractor?	As per the business needs, DMIC IITGNL may provide user id's to external contracted staff or staff from other agencies.
762.	Volume III/FR 4.705 to 4.775	138	Operations and Maintenance (Module Level)	Does IITGNL propose to maintain inhouse maintenance teams?	RFQ cum RFP is clear
763.	Volume III/FR 4.705 to 4.775	138	Operations and Maintenance (Module Level)	As per the RFP maintenance functionality is also specified under GIS, can the maintenance functionality be provided at one place, with a GIS view to maintenance being provided for the location of the asset and/or equipment?	The MSI has to propose a solution describing how this functionality would be provided. DMIC IITGNL requires this functionality in only one system but GIS view is a requirement.
764.	Volume III/FR 4.819	149	HR Training Appraisal and Performance Management	As per our understanding It is proposed to provide the only performance appraisal functionality as per the business needs of the customer. Please confirm if our understanding	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				is correct?	
765.	Volume III/FR 4.967	157	Water Utility	Please confirm if a batch interface to the AMR system is acceptable for water billing purposes?	Water bills are to be generated on a periodic basis and the solution must be capable of catering to this requirement using the AMR functionality as well as a manual input of the water meter readings. The details of the functionality requirements are to be ascertained by the MSI during the requirements gathering phase.
766.	Volume III/section 3.2.8	301	Waste Collection	Kindly clarify on how many SCADA systems are planned?	MSI should provide a solution capable of integrating multiple SCADA systems.
767.	Volume III/section 2.2.8 , Firewall(TR 8.4)	211	The appliance must support at least 4*40G, 4*10 G, 4*1 G with transceivers (SR) from day 1.	Please change this to "The appliance must support at least 2*40G, 4*10 G, 4*1 G with transceivers (SR) from day 1." as this will be sufficient considering the requirement in the RFP	RFQ cum RFP prevails
768.	Volume III/section 2.2.8 , Firewall(TR 8.10)	211	Firewall must support 10 virtual firewalls from day one. Virtual firewall should offer separation up to the hardware level and allow to have different software version in each virtual firewall.	Please clarify on this clause. As per our understanding hardware Level Separation is not possible for any firewall. We can propose a Firewall where we can configure Virtual router to separate the network and traffic at the software level. Kindly confirm if our understanding	Correct

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				is correct.	
769.	Volume III/section 2.2.8 , Firewall(TR 8.38)	212	Firewall must support SLA monitoring for static routes.	Please clarify whether the SLA monitoring for static routes is for the standard SLA for the project components or specific to the firewall.	RFQ cum RFP prevails
770.	Volume III/section 2.2.5, Public Interactive Kiosk(TR 5.39)	200	The digital payments for Public Interactive Kiosk shall comply with all the revenue/financial departments' norms and conditions for such online financial transactions in India and shall adhered to all such norms and conditions.	Kindly provide specification / relevant standards for such norms and conditions.	RFQ cum RFP is clear
771.	Volume III/section 2.2.8.4, Uninterruptable power supply(UPS),(TR 8.120)	217	The UPS unit shall include Valve Regulated Sealed Maintenance Free Lithium ion Batteries with typical lifetime of five (5) years and minimum reserve time of (4) four hours under full load conditions.	As UPS with Lithium ion Batteries are available with few OEMs so please change this to "The UPS unit shall include SMF (Sealed Maintenance Free) Value Regulated Lead Acid (VRLA) batteries"as otherwise, it will become a very restrictive clause for a fair competition.	RFQ cum RFP Prevails
772.	Volume III/section 2.2.8.5,Data hosting for IIT,(FR 8.49)	223	Physical Servers shall be provided to support local processing and storage as per the solution proposed by the MSI and as per the Application.	Please confirm whether MSI can define the specification of servers & Storage, if no kindly provide the specifications for the same.	RFQ cum RFP is clear
773.	Volume III/section 2.2.3, City Surveillance with ATCC & ANPR	64	For incidents that are flagged by the Police, DMIC IITGNL or any court order, the video of the	As we understand servers for CCTV,ANPR,ATCC & other field devices need to be provisioned on premise and only flagged data will	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	cameras,recording and storage,FR 3.12		relevant portion from all relevant cameras should be stored/archived separately for investigation purposes and a committee at Authority can decide when this video feed can be deleted. All flagged data shall be stored on cloud for the Project duration.	be stored on cloud. Kindly confirm if our understanding is correct.	
774.	Volume III/section 2.2.8,It and other common infrastructure ,Operator Workstation,TR 8.54	213	The workstations shall have graphic accelerator of ATI Rage Pro/AGP graphics acceleration: HEVC Encode	Requesting to allow a standard graphic accelerator which can cater to the requirement.	As per Bidder's solution and in compliance with RFQ cum RFP
775.	General		Power Supply to PoP, field & CIOC location	There hasn't been any mention of power supply to the PoP,Field & CIOC location.we understand that power supply to these location shall be provided by DMIDC IITGNL authority	RFQ cum RFP is clear
776.	Volume III, 2.2.9 City's Integrated Operations Centre (CIOC)	232	Applications, Social Media and Web Browsers: Multiple software applications shall be a content input into the CIOC Systems. Social media will also be integrated to understand social sentiment;	What other application shall be integrated with Command & Control center platform other then Social Media as content input under this clause. Kindly clarify.	RFQ cum RFP is clear
777.	Volume III, 2.2.9 City's Integrated Operations Centre	257	Mobility – It shall enable operators and the crew members to access the	Please provide the no of field responder mobile app licenses required.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	(CIOC), TR 9.292		workflow task assigned to them and act using the native mobile application. They should be able to close the loop of workflow by acknowledging the real time status of action assigned to them.		
778.	Volume III, Section 3.2.10	312	For budgeting purposes, MSI shall assume 8 Lakh SMS transactions will be done for the entire project duration.	Please clarify on how many whatsapp transactions will be done for Whatsapp Gateway.	MSI to estimate whatsapp transactions based on SMS transaction count.
779.	Volume III, Section 3.2.10	312	MSI shall integrate SMS, WhatsApp, e-Mail gateway with the Project components as per the process requirement of the Client. Necessary e-Mail, SMS or WhatsApp shall be triggered as per the requirement of the Client;	For Integration we have to raise the request for API. we assume that the cost shall be borne by MSI but the API requisite business details shall be provided by the Client. Please confirm.	Under MSI scope.
780.	Volume III, Section 3.2.10	312	MSI shall integrate SMS, WhatsApp, e-Mail gateway with the Project components as per the process requirement of the Client. Necessary e-Mail, SMS or WhatsApp shall be triggered as per the requirement of the Client;	As these integration involves 3rd party approval .we will not have control on timelines so assuming client will facilitate in getting the gateways for integration. Please confirm.	RFQ cum RFP prevails
781.	Volume - III BR - 9 Business Requirements Clause BR 9.18	234	The overall work shall be in reference to standards published as per ISO 37120, ISO 37122 and World Council of City Data	We Understand that the Standard ISO 37120 & ISO 37122 defines and establishes methodologies for a set of indicators to steer and measure the performance of city services and	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			(WCCD).	quality of life. However with CIOC Platform the Functional Requirements of Measurement of Performance of City Services is not desired, thus we request you to please delete this Clause	
782.	Volume - III FR - 9 Functional Requirements Clause FR 9.121	240	Part of the visualization at the DMIC IITGNL CIOC will include monitoring a set of relevant ISO 37120 and ISO 37122 indicators. Some sample indicators which are tentatively required to be monitored at CIOC are provided below: <ul style="list-style-type: none"> • Assessed value of commercial and industrial properties as a percentage of total assessed value of all properties; • Primary education student/teacher ratio; • Total residential electrical energy use per capita (kWh/year); • Energy consumption of public buildings per year (kWh/m²); • Fine particulate matter (PM2.5) concentration; • Number of in-patient hospital beds per 100,000 population; • Percentage of the city's solid waste that is recycled; 	We Understand that the Standard ISO 37120 & ISO 37122 defines and establishes methodologies for a set of indicators to steer and measure the performance of city services and quality of life. However with CIOC Platform the Functional Requirements of Measurement of Performance of City Services is not desired, thus we request you to please delete this Clause	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<ul style="list-style-type: none"> • Green area (hectares) per 100,000 population; • Percentage of city population with potable water supply service; and • Total domestic water consumption per capita (litres/day). 		
783.	General	NA	NA	The VMS, ATCC, ANPR & CIOC Software OEM shall have a direct Registered Office in India without any Collaboration, Joint Venture, Distributor, Parent Company & should be in Operational for the Last 8 Years as on the Last Date of Bid Submission.	RFQ cum RFP prevails
784.	General	NA	NA	The VMS, ATCC, ANPR & CIOC Software OEM shall also have a Dedicated Support, Research & Development (R&D) Centre in India since the Last 8 Years as on Last Day of Bid Submission	RFQ cum RFP prevails
785.	General	NA	NA	The VMS, ATCC, ANPR & CIOC Software OEM should have Quality Management Certifications like ISO 9001:2015 & Information Security Management Systems Certifications like 27001:2013, to ensure Quality OEM Participation, as on RFP Release Date. Both these Certificates to be Submitted by the Bidder/OEM for Evaluation. These Certificates should be from VMS application OEM's with their Name & Address reflecting in the Certificates.	RFQ cum RFP prevails
786.	General	NA	NA	The VMS, ATCC, ANPR & CIOC	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				Software OEM shall be a CMMI Level 3 Organization. Certification of CMMI-Level 3, as on Bid Submission Date to be Submitted along with the Bid.	
787.	Volume III	269	The MSI shall get the technical data sheets approved by the client or its representatives before supply of any material at site. Client reserves the right not to evaluate during bid evaluation and confirm the stage during design phase.	In order to ensure adherence to project schedules we propose that the clause be amended as "We understand that all products/OEMs are reviewed during bid evaluation and if our bid is technically qualified all such products proposed are approved and no additional scrutiny of documents would be required except if some changes are necessitated. "	RFQ cum RFP prevails
788.	Vol 1, section 5.1(a)	pg 49	"7. Software applications The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation and support of software applications including modules like Finance, Human Resource and Payroll, Utility Billing, Asset Management, Mobile Applications, Citizen Service Portal, Grievance Redressal, Building Plan Approval System, File Management System/Document	Request to amend as follows: 7. Software applications The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation and support of software applications including modules like Finance, Human Resource and Payroll, Utility Billing, Asset Management, Mobile Applications, Citizen Service Portal, Grievance Redressal, Building Plan Approval System, File Management System/Document Management System (At least Three out of Nine). having a minimum value of INR 3 crores per project during last seven (7) years as of RFQ cum	Refer to Corrigendum

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<p>Management System (At least Three out of Nine). having a minimum value of INR 3 crores per project during last seven (7) years as of RFQ cum RFP publish date.</p> <p>Sole Bidder/any Member of Consortium:</p> <ul style="list-style-type: none"> • Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; <p>AND</p> <ul style="list-style-type: none"> • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead. In case of large orders/orders with operations & maintenance phase, the completion certificate may specify successful commissioning status of a part of the order meeting the requirement." 	<p>RFP publish date.</p> <p>Sole Bidder/any Member of Consortium:</p> <ul style="list-style-type: none"> • Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; <p>AND</p> <ul style="list-style-type: none"> • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead. In case of large orders/orders with operations & maintenance phase, the completion certificate from client/ CA specify successful commissioning/ ongoing project status of a part of the order meeting the requirement. 	
789.	Vol 1, section 29	53	<p>1.3 The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation and</p>	<p>Request to amend as follows:</p> <p>1.3 The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation and support of</p>	Refer to Corrigendum

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<p>support of software applications including modules like Finance, Human Resource and Payroll, Utility Billing, Asset Management, Mobile Applications, Citizen Service Portal, Grievance Redressal, Building Plan Approval System, File Management System/Document Management System (At least Three out of Nine). having a minimum value of INR 3 crores per project during last seven (7) years as of RFQ cum RFP publish date.</p> <p>Number of Projects:</p> <p>1) =2: 10 marks 2) =3: 15 marks 3) >3: 20 marks</p> <p>Sole Bidder/any Member of Consortium: Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; AND Completion / Commission Certificate issued & signed by the competent authority of the client entity on th entity's Letterhead. In case of large</p>	<p>software applications including modules like Finance, Human Resource and Payroll, Utility Billing, Asset Management, Mobile Applications, Citizen Service Portal, Grievance Redressal, Building Plan Approval System, File Management System/Document Management System (At least Three out of Nine). having a minimum value of INR 3 crores per project during last seven (7) years as of RFQ cum RFP publish date.</p> <p>Number of Projects:</p> <p>1) =2: 15 marks 2) >=3: 20 marks</p> <p>Sole Bidder/any Member of Consortium: Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; AND • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead. In case of large orders/orders with operations & maintenance phase, the completion certificate from client/ CA specify successful commissioning/ ongoing project status of a part of the order meeting the requirement.</p>	

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			orders/orders with operations & maintenance phase, the completion certificate may specify successful commissioning status of a part of the order meeting the requirement		
790.	Vol 1, section 29	55	<p>2.4The Bidder (any member of consortium) shall have the following Certifications valid at the time of Bidding:</p> <ul style="list-style-type: none"> • ISO 9001:2015 – 1 mark; • ISO 20000:2011 for IT Service Management – 2 mark; • ISO 27001:2013 for Information Security Management System – 2 mark <p>CMMi Level 5 – 2 Marks (1 Mark only for CMMi Level 3)</p>	<p>Request to amend as follows:</p> <p>2.4The Bidder (any member of consortium) shall have any 2 of the following Certifications valid at the time of Bidding:</p> <ul style="list-style-type: none"> • ISO 9001:2015 – 1 mark; • ISO 20000:2011 for IT Service Management – 2 mark; • ISO 27001:2013 for Information Security Management System – 2 mark <p>CMMi level 3 or higher 1 certification = 5 marks 2 certification = 7 marks Group companies/ subsidiary/ sister concern experience of same parent company can be considered</p>	RFQ cum RFP prevails
791.	Vol 1, section 29	58	For every project submitted for evaluation, at least two (2) projects must be completed for qualification. In addition, the other projects considered for marks shall at least be 50% complete which shall be confirmed through the Client certificate.	Request to amend as follows: For every project submitted for evaluation, at least two (2) projects must be completed for qualification. In addition, the other projects considered for marks shall at least be 50% complete which shall be confirmed through the Client/ CA certificate.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
792.	Volume 2, Clause 24/61	31	Liability of the MSI	Please delete exclusion of IPR indemnity	RFQ cum RFP prevails
793.	Volume 2, Clause 43	42	Software License Agreements	Please revise to: MSI hereby grants to Client a non-exclusive, non-sub licensable and perpetual license and right to use the deliverables, formats, material and the documentation solely for the Client'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.	RFQ cum RFP prevails
794.	Volume 2, Clause 50	50	Product Upgrades	Please delete this clause	RFQ cum RFP prevails
795.	Volume 3, Clause 65	65	Force Majeure	Please include : vandalism and terrorism as FM. Notwithstanding anything to the contrary, in light of the COVID-19 pandemic, the effects of which	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				cannot be foreseen, the parties agree that MSI shall be entitled to an equitable extension of time to deliver or perform its work and appropriate additional compensation to the extent MSI's delivery or performance, or the delivery or performance of its suppliers and/or subcontractors, is in any way delayed, hindered or otherwise affected by the COVID-19 pandemic.	
796.			Additional provision - Remote services	<p>Please include the following: Customer agrees that Honeywell may enhance system operations or provide some or all of the Services remotely using an Internet connection and may install additional software and related communication and/or diagnostic devices on Customer's applicable systems (the "Systems") to enable such connection, enhancement and/or remote Services. Notwithstanding any other provision of the Agreement, such software and devices will remain the property of Honeywell and shall be removed from the Systems and returned to Honeywell promptly at Honeywell's request. Customer agrees to fully cooperate with Honeywell's installation and commissioning of such software and devices on the Systems. To the extent required by Honeywell, Customer will enable</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				<p>and consents to Internet connectivity, with appropriate protection(s), between its applicable Systems and Honeywell's applicable computer server(s)/system(s) and/or the Honeywell cloud platform(s) throughout the term of the Agreement. Honeywell and its affiliates may, in any country in which they or their agents or suppliers conduct business, collect, transmit, receive, process, maintain and use for the purpose of providing the Services all data obtained in connection with the Agreement. Customer represents and warrants that Customer is the owner of the premises that are the subject of this Agreement or, if not, that the owner of such premises consents to the foregoing, to the extent such consent is required.</p> <p>Notwithstanding any other provision of the Agreement, (a) in no event will Honeywell be responsible or liable for protection against, or mitigation of consequences associated with, a cybersecurity incident or other similar cyber-related events and/or attacks that may affect Customer's sites or systems, (b) Customer is solely responsible for ensuring that its sites and systems are protected against such a cybersecurity incident or other similar cyber-</p>	

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				related events and/or attacks including, but not limited to, ensuring that all software is kept up to date, that all cybersecurity products used are compatible with one another and that any patches are correctly and appropriately installed, and (c) all remedial, reinstallation or update works provided by Honeywell, if any, as a result of or related to a cybersecurity incident or other similar cyber-related events and/or attacks will be performed subject to additional fees for such work, plus applicable taxes, to be paid by Customer to Honeywell (in addition to fees otherwise due under the Agreement).	
797.	Vol 2, section 25.2	pg 32	25.2 The Client shall be named as Principal/Beneficiary/co-insured under all insurance policies taken out by the MSI pursuant to GCC Clause 25.1, except for the Third-Party Liability. All insurer's rights of subrogation against such co-insured for losses or claims arising out of the performance of the Contract shall be waived under such policies.	Request you to remove policy in joint names & waiver of subrogation.	RFQ cum RFP prevails
798.	Vol 2, section 25.1	pg 31	25.1.d) Automobile Liability Insurance In accordance with the	We understand there is no requirement of any vehicles in	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			statutory requirements prevailing in the Client's Country, covering use of all vehicles used by the MSI (whether owned by them) in connection with the execution of the Contract.	scope, hence please remove this clause.	
799.	Vol 2, section 25.1	pg 31	25.1 The MSI shall at its expense take out and maintain in effect, or cause to be taken out and maintained in effect, during the performance of the Contract, the insurance set forth below. The identity of the insurers and the form of the policies shall be subject to the approval of the Client, who should not unreasonably withhold such approval.	We understand Bidder shall place insurance with formidable insurance players, therefore the rights to nominate cannot be extended to the client, please confirm	RFQ cum RFP prevails
800.	Vol 2, section 4.3.2	pg no 88	The maximum payment available on respective quaterly payment for not adhering to SLA'S is capped at 40% of the quaterly applicable payment proposed by the MSI	Kindly amend as: The maximum payment available on respective quaterly payment for not adhering to SLA'S is capped at 10% of the quaterly applicable payment proposed by the MSI	RFQ cum RFP prevails
801.	Vol 1, sectio 4.3, 4.4,4.5	pg no 59	Key experts and operators	Kindly confirm key expert are not required 24*7.Also specify leave policy(5/6 days a week) for key expert and operators	RFQ cum RFP prevails
802.	Vol 2, section 4.5.2.1, Sr no 1	pg no 90	Availability of Telecom Connectivity at Integrated	Kindly amend as: Availability of Telecom Connectivity	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Industrial Townshil: Falls by 0.25% Penalty 50,000	at Integrated Industrial Townshil: Falls by 2% Penalty 10,000	
803.	Vol 2, section 4.5.2.2, Sr no 1	pg no 90	Overall network availability in back bone, distribution and access level Falls by 0.25% Penalty 10,000	Kindly amend as: Overall network availability in back bone, distribution and access level Falls by 2% Penalty 10,000	RFQ cum RFP prevails
804.	Vol 2, section 4.5.2.2, Sr no 2	pg no 90	Mean Time to Repair Fibre Falls by: 30 min Penalty: 5000	Kindly amend as: Mean Time to Repair Fibre Falls by: 2 hr Penalty: 5000	RFQ cum RFP prevails
805.	Vol 2, section 4.5.2.3, Sr no 1	pg no 91	Availability of Wi-fi through AP falls by:0.25% Penalty:10,000	Kindly amend as: Availability of Wi-fi through AP falls by:1% Penalty:5,000	RFQ cum RFP prevails
806.	Vol 2, section 4.5.2.3, Sr no 2	pg no 91	Average bandwidth to each user falls by:0.25 MBPS Penalty: 50,000	Kindly amend as: Average bandwidth to each user falls by:0.50 MBPS Penalty: 10,000	RFQ cum RFP prevails
807.	Vol 2, section 4.5.2.3, Sr no 3	pg no 91	Authentication of User Falls by:1 min Penalty:100	Kindly amend as: Authentication of User Falls by:3 min Penalty:100	RFQ cum RFP prevails
808.	Vol 2, section 4.5.2.4, Sr no 1	pg no 92	Availability of critical parameters falls by:0.25% Penalty:50,000	Kindly amend as: Availability of critical parameters falls by:2% Penalty:10,000	RFQ cum RFP prevails
809.	Vol 2, section 4.5.2.4, Sr no 2	pg no 92	Availability of following less critical parameters including portals/interface falls by:0.25% Penalty:25,000	Kindly amend as: Availability of following less critical parameters including portals/interface falls by:2 % Penalty:10,000	RFQ cum RFP prevails
810.	Vol 2, section 4.5.2.4, Sr no 3	pg no 93	Availability of following less critical parameters	Kindly amend as: Availability of following less critical	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			including portals/interface Legal Visitor Management falls by:0.25% Penalty:10,000	parameters including portals/interface Legal Visitor Management falls by:2 % Penalty:10,000	
811.	Vol 2, section 4.5.2.5, Sr no 1	pg no 98	Videowall, Controller, Display Content Management system Falls by:0.10% Penalty:10,000	Kindly amend as: Videowall, Controller, Display Content Management system Falls by:2% Penalty:8,000	RFQ cum RFP prevails
812.	Vol 2, section 4.5.2.6, Sr no 1	pg no 103	CCTV-PTZ, ANPR falls by: 0.50% Penalty: 10,000	Kindly amend as: CCTV-PTZ, ANPR falls by: 1% Penalty: 8,000	RFQ cum RFP prevails
813.	Vol 2, section 4.5.2.7, Sr no 1	pg no 103	ANPR Availability: Requirement: 99.50% falls by:0.50% penalty :5000	Kindly amend as: ANPR Availability: Requirement: 98% falls by:1% penalty :5000	RFQ cum RFP prevails
814.	Vol 2, section 4.5.2.7, Sr no 3	pg no 103	Local Processing Unit Falls by:0.50% Penalty:10,000	Kindly amend as: Local Processing Unit Falls by:2% Penalty:8,000	RFQ cum RFP prevails
815.	Vol 2, section 4.5.2.9, Sr no 1	pg no 105	ATCC Sensors and associated controllers falls by: 0.50% Penalty:10,000	Kindly amend as: ATCC Sensors and associated controllers falls by: 2% Penalty:8,000	RFQ cum RFP prevails
816.	Vol 2, section 4.5.2.11, Sr no 1	pg no 105	Multi Service Digital Kisok falls by:0.50% Penalty:10,000	Kindly amend as: Multi Service Digital Kisok falls by:2% Penalty:8,000	RFQ cum RFP prevails
817.	Vol 2, section 4.5.2.12, Sr no 1	pg no 106	Environmental Sensors falls by:1% Penalty: 10,000	Kindly amend as: Environmental Sensors falls by:2% Penalty: 8,000	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
818.	Vol 2, section 4.5.2.15, Sr no 1	pg no 107	Server/Storage/UPS falls by:0.10% Penalty:20,000	Kindly amend as: Server/Storage/UPS falls by:1% Penalty:20,000	RFQ cum RFP prevails
819.	Vol 2, section 4.5.2.15, Sr no 2	pg no 107	Data Security Modules Requirement: 100% falls by:0.10% penalty:100,000	Kindly amend as: Data Security Modules Requirement: 99% falls by:1% penalty:25,000	RFQ cum RFP prevails
820.	Vol 2, section 4.5.2.18, Sr no 1	pg no 105	Available uptime of cloud services Requirement: 99.95% falls by:0.50% Penalty:50,000	Kindly amend as: Available uptime of cloud services Requirement: 98% falls by:1% Penalty:25,000	RFQ cum RFP prevails
821.	Vol 2, section 4.5.2.18, Sr no 4	pg no 107	Percentage of timely vulnerability corrections Requirement:99.95 falls by:0.50% penalty:50,000	Kindly amend as: Percentage of timely vulnerability corrections Requirement:98% falls by:1% penalty:10,000	RFQ cum RFP prevails
822.	Vol 2, section 4.5.2.18, Sr no 6	pg no 108	RTO falls by:10 min Penalty:100,000	Kindly amend as: RTO falls by:30 min Penalty:50,000	RFQ cum RFP prevails
823.	Vol 2, section 4.5.2.18, Sr no 7	pg no 108	RPO falls by:10 min Penalty:100,000	Kindly amend as: RPO falls by:30 min Penalty:50,000	RFQ cum RFP prevails
824.	Vol 2, section 4.5.2.19, Sr No 5	pg no 110	Helpdesk resolution of ticket logged falls by:0.50% Penalty:20,000	Kindly amend as: Helpdesk resolution of ticket logged falls by:2% Penalty:5,000	RFQ cum RFP prevails
825.	VOLUME I / clause no 25.1	39	Upon selection and issuance of LOA, the Bidder shall furnish to the Client, a performance	Request you to confirm whether initially we can provide Performance Bank Guarantee up to period of 3.5 years along with the letter	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			security of the amount specified in Clause 25.2 below, before execution of the Contract to secure the due performance of the obligations of the Bidder under the Contract (the Performance Security). The Performance Security will be in the form of an unconditional, irrevocable and on-demand bank guarantee issued in favour of the Client in the format appended to the Contract. The Performance Security shall be retained by Client until the completion of the assignment by the Consultant or any extension thereto and be released 180 (one hundred and eighty) days after the completion of the assignment.	mentioning that we will give new BG for rest of the required period	
826.	VOLUME II /Clause no 26.2	32	The MSI shall permit the client and /or person appointed by the client to inspect all accounts and records audited by auditors appointed by the client upto 2 years of expiration or termination of contract, if requested by the client . Any Act intended to materially impede the	The mentioned Audit /inspection clauses are not acceptable and even if you want to have any audit then that should be should be limited to operations of site activities only. Request you to confirm	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			exercise of the clients inspection and audit rights provided under this clause 26.2 shall constitute the material breche of the contract which would give the client the right to terminate the contract		
827.	VOLUME II /Clause no 37.2	38	All Payments made by the client to the MSI shall be subject to the deduction and withholding of applicable taxes in accordance with applicable Laws	Request you to confirm that Labour cess /BOCW would not be deducted from our payment	RFQ cum RFP prevails
828.			General Query 1	Request you to confirm whether, DMIC IITGNL is a Government organisation under GST Act defination.	No
829.			General Query 2	Request you to provide supporting documents to substantiate if the answer to general query 1 is yes	As per query above.
830.			General Query 3	Request you to confirm, whether the original work/service taken under this contract is used by DMIC IITGNL 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	RFQ cum RFP is clear
831.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference,2.2.3 City Surveillance	Pg82/351, FR 3.8		Please add this clause: To avoid duplicity in features please allow combination of ICCV/VMS/Other software to meet	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	with ATCC & ANPR Cameras, FR 3 Functional Requirement			all functional and technical requirements of respective software	
832.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference,2.2.3 City Surveillance with ATCC & ANPR Cameras, FR 3 Functional Requirement	Pg82/351, FR 3.8	Situation/Rule based alerts including early warnings for prevention and avoidance of unwanted incidents	To avoid duplicity in features please allow combination of ICCCVMS/Other software to meet all functional and technical requirements of respective software	RFQ cum RFP prevails
833.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference,2.2.3 City Surveillance with ATCC & ANPR Cameras, FR 3 Functional Requirement	Pg82/351, FR 3.8	Automated response based on events including communication of alerts to relevant authorities like Fire, Hospitals, etc for swift response in case of emergencies.	To avoid duplicity in features please allow combination of ICCCVMS/Other software to meet all functional and technical requirements of respective software	RFQ cum RFP prevails
834.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference,2.2.3 City Surveillance with ATCC & ANPR Cameras, FR 3 Functional Requirement	Pg82/351, FR 3.8	Real time traffic counting and classification for managing traffic incidents,	We understand this requirement is of ATCC & not VMS. Please confirm our understanding.	Yes
835.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference,2.2.3 City Surveillance	Pg84/351, FR 3.23	SNMP Support - The system shall support Simple Network Management Protocol (SNMP) in order for third-	To avoid duplicity in features please allow combination of ICCCVMS/Other software to meet all functional and technical requirements of respective software	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	with ATCC & ANPR Cameras, FR 3 Functional Requirement		party software systems to monitor.		
836.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference,2.2.3 City Surveillance with ATCC & ANPR Cameras, FR 3 Functional Requirement	Pg84/351, FR 3.32	Recording failover management shall be standard without need for additional license.	Request to modify: Recording failover management shall be standard with/without additional license.	RFQ cum RFP prevails
837.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference,2.2.3 City Surveillance with ATCC & ANPR Cameras, FR 3 Functional Requirement	Pg85/351, FR 3.48	Playback on PC Screen or Video Wall: The Video Management System shall play back video from up to 25 cameras at once in a single video window.	Request to modify to: Playback on PC Screen or Video Wall: The Video Management System shall play back video from up to 16/25 cameras at once in a single video window.	RFQ cum RFP prevails
838.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference,2.2.3 City Surveillance with ATCC & ANPR Cameras, FR 3 Functional Requirement	Pg87/351, FR 3.61	The users shall be able to display a map showing the location of the alarm.	To avoid duplicity in features please allow combination of ICCCVMS/Other software to meet all functional and technical requirements of respective software	RFQ cum RFP prevails
839.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference,2.2.3 City Surveillance	Pg87/351, FR 3.67	The Video Management System shall be able to escalate alarms to other user groups if the alarm is not acknowledged within a	To avoid duplicity in features please allow combination of ICCCVMS/Other software to meet all functional and technical requirements of respective software	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	with ATCC & ANPR Cameras, FR 3 Functional Requirement		pre-defined time period.		
840.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference,2.2.3 City Surveillance with ATCC & ANPR Cameras, FR 3 Functional Requirement	Pg87/351, FR 3.69	The Video Management System shall ensure that alarms are held on an alarm server, not on a user's PC.	To avoid duplicity in features please allow combination of ICCV/VMS/Other software to meet all functional and technical requirements of respective software	RFQ cum RFP prevails
841.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference,2.2.3 City Surveillance with ATCC & ANPR Cameras, FR 3 Functional Requirement	Pg88/351, FR 3.88	Users shall be able to create one or more maps for each site by importing an image for the background. The following image formats shall be supported: <ul style="list-style-type: none"> · Bitmap (BMP) · JPEG (JPG) · Portable Network Graphics (PNG) · AutoCAD drawings (DWG) · GIS 	To avoid duplicity in features please allow combination of ICCV/VMS/Other software to meet all functional and technical requirements of respective software	RFQ cum RFP prevails
842.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference,2.2.3 City Surveillance with ATCC & ANPR Cameras, FR 3 Functional Requirement	Pg88/351, FR 3.89-99	Users shall be able to add links to other maps.	To avoid duplicity in features please allow combination of ICCV/VMS/Other software to meet all functional and technical requirements of respective software	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
843.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, 2.2.3 City Surveillance with ATCC & ANPR Cameras, FR 3 Functional Requirement	Pg83/351, FR 3.9	<p>FR 3.9 The surveillance system shall support following Built-in-Analytics for the Cameras and using central analytics:</p> <ul style="list-style-type: none"> • Auto Tracker: To detect and track movement in the field of view. • Adaptive Motion Detection: To detect and track object that enter a scene and then triggers an alarm when the object enters a user-defined zone. • Abandoned Object: To detect objects placed within a defined zone and triggers an alarm if the object remains in the zone longer than the user-defined time allows. • Camera Sabotage: Triggers an alarm if the lens is obstructed. • Directional Motion: Generates an alarm in a high traffic area when a person or object moves in a specified direction. • Object/ People Counting: To count the number of objects/ people that enter a defined zone. 	We undersatnd PTZ will have Auto track and Camera Sabotage only and rest analytics will be done on Fixed cameras only. Please confirm.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<ul style="list-style-type: none"> • Object Removal: To triggers an alarm if the object is removed from a user-defined zone. • Intrusion Detection: Detect intrusion. 		
844.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference,2.2.3 City Surveillance with ATCC & ANPR Cameras, FR 3 Functional Requirement	Pg83/351, FR 3.9	FR 3.9 The surveillance system shall support following Built-in-Analytics for the Cameras and using central analytics: <ul style="list-style-type: none"> • Object/ People Counting: To count the number of objects/ people that enter a defined zone. 	Please remove Object/People Counting from Camera.	RFQ cum RFP prevails
845.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference,2.2.3 City Surveillance with ATCC & ANPR Cameras, FR 3 Functional Requirement	Pg224/251, 2.2.7 Other In Facility System	Access control system shall be a combination of card based and fingerprint system along with attendance management system. Access Control shall be integrated with BMS system and Facial Recognition Based Access Control System (FRACS) system.	We understand Facial Recognition Based Access Control System (FRACS) system will be separate system than card and fingerprint based access control system. Request to keep functioning of both Card & Fingerprint based access control system and FRACS system separate standalone.	RFQ cum RFP is clear
846.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference,2.2.3 City Surveillance with ATCC & ANPR Cameras, FR 3 Functional	Pg224/251	Access Control System shall be integrated with Facial Recognition System (FRS) database for manually and/ or automatically authorizing/ unauthorizing access to different facilities of		RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Requirement		Administrative Building.		
847.	Vol-3 2.2.8.5 Data Hosting for IIT BR 8.15	220	The Data Centre and Data Recovery centre shall be in Active-Active / Active-Passive mode as per MSI solution complying the high availability with no point of failure.	We understand that Active-Active mode within datacentre and in Disaster recovery no high availability is required, please confirm. Video data will be hosted at one place and no disaster recovery is proposed for the same. Disaster recovery will be for applications which will be hosted on cloud only	RFQ cum RFP is clear
848.	Vol-3 2.2.8.5 FR 8.8 CLOUD HOSTING / INFRASTRUCTURE	221	The MSI shall offer Infrastructure as a Service (IaaS) / Platform as a Service (PaaS) / Software as a Service (SaaS) based solution or a combination of the same, as per the MSI's solution.	Please confirm we can choose multiple cloud partner for different solution. IAAS can be taken from one MEITY empaneled vendor and PAAS based solution can be from already empaneled vendor for that application provider	RFQ cum RFP is clear
849.	Vol3- 2.2.9 City's Integrated Operations Centre (CIOC)	230	All kinds of camera and surveillance devices installed across IIT will be integrated with the City Surveillance facility of CIOC.	Please confirm that licenses will be provided for camera in this RFP and any other camera integration in future will be per camera license cost for integration	RFQ cum RFP is clear
850.	Vol-3 Secondary PoP	282	The detailed design in all aspects for the design-build (including but not limited to civil, mechanical, structural, electrical, communications, fire, fit-outs, etc.) of the PoP facility and the plot shall be the responsibility of the MSI and be approved by the Client or its representative	Please confirm that there will be no plot development and only DC build will be done for inside building only	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
851.	Vol3-3.2.3 City Surveillance with ATCC and ANPR Cameras	285	In order to bring in redundancy to the solution, there shall be a failover option where surveillance recording starts from Secondary PoP in case the CIOC goes down;	Please confirm only server and storage will be provisioned and no other equipment will be provided at Secondary POP and there will be no data sync between cloud and no internet connectivity will be required. No other active component will be provided at Secondary POP	RFQ cum RFP is clear
852.	Vol3-3.2.10 Data Hosting for IIT Table	307	ANPR and ATCS on cloud	Please confirm that video data if any will be hosted in Primary POP storage only and the same will not be stored on cloud and only alerts will go to Cloud. Please allow ANPR to be hosted on premise rather than on cloud	RFQ cum RFP is clear
853.			DC/ DR management solution to monitor compliance of RTO, RPO, Failover/ Failback, Mock drills shall also be provided as part of the solution	As RTO RPO is mentioned solution will not be active-active, kindly confirm	As per Bidder's solution to meet the RFQ cum RFP requirements
854.	Vol-1 1.6 Supply and Installation Cost Sub-Table 1		For 8.1 Data security Firewall mentioned	Please confirm that MOUD guidelines for Cybersecurity will be valid on cloud hosting and as BOQ is mentioning only Firewall no other security component will be provided	Yes
855.	Vol-1 1.6 Supply and Installation Cost Sub-Table 1		Please add secondary POP Data hosting infrastructure as redundancy is asked for video solution and storage	Please add secondary POP Data hosting infrastructure as redundancy is asked for video solution and storage	Bidder can include POP data hosting as part of 'Any other Hardware or Software required to meet the RFQ cum RFP requirements' in the BoQ. Applicable description should be

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
					provided.
856.	1) IIT-MSI-RFQ cum RFP-Volume I & 1.6/1/1.1.1 1) 1.6 Supply and Installation Cost Sub-Table 1	1) 114 114	1) 10 times 1x40mm (OD) HDPE ducts for backbone and Distribution 1)48 Count FOC-22 KM 2) 24 Count FOC-95 Km	As per BOQ 10 times 1x40mm OD HDPE duct shall be used for backbone,Distribution 216000 Mtr, Please confirm that BOQ is for Provided duct (40mm OD) 216000 x 10 = 2160000 / 2160 km HDPE duct lengt is not matching with Fibre. 216 KM route length as per HDPE and for Fibre only 19 KM.We assume that Fibre will be sufficient for route and HDPE duct will be without Fibre also and for future use only	Total duct quantity required is 216000 Mtrs. RFQ cum RFP is clear
857.	1) IIT-MSI-RFQ cum RFP-Volume I & 1.6/1/1.1.1 2) IIT-MSI-RFQ cum RFP-Volume III & FR 1.12, FR 1.13 & FR 1.24	1) 114 2) 16	1) 10 times 1x40mm (OD) HDPE ducts for backbone and Distribution 2) 10 times 1x40mm (OD) HDPE ducts for backbone, Distribution and Access infrastructure. (FR 1.12) 3) 1x40 mm orange for Field and plot device. (FR 1.13) 4) For distribution to plots and field devices, Dedicated 48 count fibre optic cable will be provided end to end. (FR 1.24)	As per BOQ 10 times 1x40mm OD HDPE duct shall be used for backbone,Distribution (TSPs (4x40mm), Field and Plot device(1x 40mm), backbone(2x40mm) & future expansion(3x40mm)), Please conform or delete dedicated 48F OFC se laid for field and Plot device into 1x40mm duct Orange colour. (FR 1.13 & FR 1.24)	RFQ cum RFP is clear
858.	IIT-MSI-RFQ cum RFP-Volume III & FR 1.1, FR 1.2, FR 1.3	15	1) RCC trench shall be provided by EPC contractor for backbone and distribution.	Please confirm that for backbone and distribution connectivity-- 1) Supply with installed of Cable tray with accessories, Manhole & Handhole with internal arrangement	MSI scope. RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				and top lid cover, Core cut. 2) Open trench (If required/site condition) for unavailability of RCC trench and road crossing/Trench connectivity with supply and installation of Manhole and Handhole shall be provided by EPC contractor. 3) Provision of supply and installation of DWC/GI road crossing/Connectivity shall be provided by EPC contractor.	
859.	IIT-MSI-RFQ cum RFP-Volume III & FR 1.23, FR 1.51,	16 & 18	OFC not spliced into field in backbone network	Please confirm that As per RFP SFP shall be taken 25 km for backbone network, If backbone connectivity / RKM end to end connectivity shall be within standard 2km/4km then no splice can be done if length is more as per site condition, Splice shall be considered.	RFQ cum RFP is clear. Bidder is encouraged to conduct site visit and refer layout plan to ascertain the details.
860.	Volume 1, 1.6 Supply and Installation Cost Sub-Table 1, 7. Other In Facility System	122	Facial Detector & Scanner for Access Control + Software	The advancement in the technology in recent time allows us to identify individual faces with high degree of accuracy using IP enabled cameras. It allows user with flexibility of surveillance and attendance management on same infrastructure which is more accurate, highly scalable and cost effective. Also, The access control for legitimate employees can be provided by integration with Access control system In consideration with better	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				technology proposition, kindly delete this line item.	
861.	Volume 1, 1.6 Supply and Installation Cost Sub-Table 1, 3. City Surveillance with ATCC and ANPR Cameras	119	General	Video Analytics System is an important scope in the overall requirement. Request you to kindly add a line item in the BoQ.	RFQ cum RFP prevails
862.	Volume 1, 1.6 Supply and Installation Cost Sub-Table 1, 3. City Surveillance with ATCC and ANPR Cameras, 3.4 Automatic Traffic Counter and Classifier (ATCC)	119	3.4 Automatic Traffic Counter and Classifier (ATCC)	Requirements like ANPR, Traffic classification, Intrusion detection, Object count, Facial recognition, etc. can be sub-classified under the roof of Video Analytics system. Provision of different siloed systems may result in the interoperability issues. Kindly allow the bidder to propose technically better, more accurate and cost effective alternative to such siloed systems. Request you to kindly delete this line item.	RFQ cum RFP prevails
863.	Volume 3, Cameras with Built-In Video Analytics, FR 3.9	83	The surveillance system shall support following Built-in-Analytics for the Cameras and using central analytics:	The advancement in the technology in recent time allows us to run almost all the VA based use cases in IP enabled CCTV cameras. Deployment of use case specific cameras is not only a costly solution but also a siloed system possessing newer challenges in terms of interoperability. This tends to make the overall system inflexible. Request to kindly delete this clause or allow bidders to propose alternate solutions.	RFQ cum RFP Prevails
864.	Volume 3, Automatic Traffic	93	ATCC system shall be installed on the gantry	The envisaged solution may find difficulty to store the vehicle details	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Counters & Classifiers (ATCC) System		along with the ANPR cameras.	<p>in sync with the ANPR system. Also, everytime a person walks in over the sensor area, the sensor may generate the alert but ANPR will not. This shall create anomalies in the overall system.</p> <p>Such challenges shall be easily addressed using a VA based solution, wherein Traffic count, ANPR, & Vehicle classification shall run on same camera feed capturing the vehicle type along with its number plate. Furthermore the system can also be used to track any vehicle of interest over the area.</p> <p>Request you to kindly allow bidders to propose alternate solutions.</p>	
865.	Volume 3		Query	Please confirm that Primary POP, CIOC and secondary POP building are ready and if not then provide tentative timeline for the same and also delay for the same will be in customer scope and customer will pay cost related to delay if any	RFQ cum RFP is clear. CIOC building timelines to be shared with successful Bidder.
866.	RFP Volume III, Section 2.2.4.2, Point FR 4.103	114 (Printed Page No 95)	The Desktop product shall be capable of directly reading the 3D drawing in any BIM software as Building scene to allows a user to encapsulate the semantics, geometry, and attribute detail of any BIM model.	We understand that 3D Drawing & BIM model generated from any BIM software to be provided by authority for GIS integrations. Procurement of any BIM software is not in scope of work. Please clarify?	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
867.	RFP Volume III, Section 2.2.4.2, Point FR 4.105	115 (Printed Page No 96)	The system shall be able to consume real time enterprise published spatial data. It shall be able to consume the third party published OGC (Open Geo -Spatial) web-services.	We understand that this will also include the the consumption and generation of OGC services with respect to OGC i3S (Indexed 3D Scene Layers) for 3d rendering that is must requirement for this project. Please clarify?	RFQ cum RFP prevails
868.	RFP Volume III, Section 2.2.4.2, Point FR 4.105	115 (Printed Page No 96)	GIS Desktop software shall be able to connect to multiple RDBMS's simultaneously without middleware. Should have capability to import standard GIS data to spatial RDBMS table.	How many number of GIS desktop software are required? Please clarify	All necessary licenses to support the GIS operations are required.
869.	RFP Volume III, Section 2.2.4.2	111 (Printed Page No 92)	Query (GIS)	Is there a requirement of generating of GIS route network on road/street data for closest facility and routing from point A to B?	RFQ cum RFP is clear
870.	RFP Volume III, Section 2.2.4.2	111 (Printed Page No 92)	Query (GIS)	Please provide the number of tentative Users accessing GIS web & mobile application: -Internal & public facing web GIS users (tentative)	RFQ cum RFP is clear
871.	RFP Volume III, Section 2.2.4.2	111 (Printed Page No 92)	Query (GIS)	Enterprise GIS projects are complex and their modularity and scalability completely depends upon the cross platform independency. We request authority to get OEM Enterprise COTS installed base on both windows and Linux OS technology of enterprise wide installation each in India supporting work orders / purchase orders / client Completion certificates to be provided by OEM.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
872.	RFP Volume III, Section 2.2.4.2	111 (Printed Page No 92)	Query (GIS)	Integrations are the key requirements when it comes to run the overall system with proper workflows. We request authority to get OEM of GIS software should have experience of its product already deployed with COTS based ERP and Water/Electric/Sewerage SCADA system deployments. supporting work orders / purchase orders / client Completion certificates to be provided by OEM.	RFQ cum RFP prevails
873.	RFP Volume III, Section 2.2.4.2	111 (Printed Page No 92)	Query (GIS)	We request authority to also ask for the Enterprise GIS COTS software successful installed & implemented for 5 smart cities in India by providing the completion certificate for the same.	RFQ cum RFP prevails
874.	RFP Volume III, Section 2.2.3.1	80 (Printed Page No 62)	Overview	The Integration of the ATCC and ANPR can be done on GIS based command and control. we assume that the Command and control will be the part of this system where alarm generated from ANPR and ATC will be responded by the Dispatchers, Please confirm	RFQ cum RFP is clear
875.	RFP Volume III, Section 2.2.3.2, Point FR 3.8	82 (Printed Page No 63)	FR 3.8 Event based monitoring of city	It is assumed that the events will be marked on the GIS Map and based on the location a specific response will be generated in the GIS Based Response system or CAD system to mitigate the event/incident	RFQ cum RFP is clear
876.	RFP Volume I, Section 1.6 Supply and Installation Cost Sub-Table 1,	120 (Printed Page No 119)	4.6.Customer Relationship Management (CRM)	How many call taker who will take the calls also how many dispatcher who will respond, Also Please specify the quantities	RFQ cum RFP is clear. Bidder solution to assess as per organization

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Under 4. IIT Software Modules (ISM)			required for Customer Relationship Management (CAD-computer Aided Dispatch System). No of Call Takers No of Dispatchers No of Supervisors No of Viewer No of System Administrators No of GIS Specialists No of Field Users 1-100 Number Of Interfaces example (PBX, Voice Logger, SMS, AVL, VMS No of Active Servers No of Passive Servers Number of Calls volume (Annual) No of Years of Retention of data""	requirements.
877.	RFP Volume I, Section 1.6 Supply and Installation Cost Sub-Table 1, Under 4. IIT Software Modules (ISM)	121 (Printed Page No 120)	4.16. Citizen Grievances Redressal	"Please clarify the details quantities for Citizen Grievances redressal(CAD-computer Aided Dispatch System). No of Call Takers No of Dispatchers No of Supervisors No of Viewer No of System Administrators No of GIS Specialists No of Field Users 1-100 Number Of Interfaces example (PBX, Voice Logger, SMS, AVL, VMS No of Active Servers No of Passive Servers Number of Calls volume (Annual) No of Years of Retention of data"	Bidder to make own assessment based on data provided in the RFQ cum RFP.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
878.	RFP Volume III, Section 2.2.5 Public Interactive Kiosk	215 (Printed Page No 196)	2.2.5.1 overview Public Interactive Kiosks shall be installed at strategic locations such as Administrative buildings, Public Parks, near Commercial centres, etc.	These kiosk will be interfaced with GIS map ? will it be displayed as layer on gis map?	Yes
879.	RFP Volume III, Section 2.2.5 -FR - 5 Functional Requirements Point FR 5.4	216 (Printed Page No 197)	Public Interactive Kiosk shall integrate with emergency communication modules for monitoring and action on emergencies reported by citizens.	Once the emergency is reported through the Kiosk, using GIS system and Citizen grievances redressal (CAD) system a response team can be sent to help the citizen. is this understanding correct?	Yes
880.	RFP Volume III, Section 2.2.9 -2.2.9 City's Integrated Operations Centre (CIOC)	248 (Printed Page No 231)	• Call Centre & EPABX: A 24 x 7 call centre shall be setup to support city operations. The call centre shall have the capability of expansion as required to support City services. EPABX phones will be used for communication by Operators;	we understand that the System Like Customer Relationship Management (CRM) and Citizen Grievances Redressal and Call center all three can be handled using GIS Based CAD system. it is suggested in order to have seamless performance and better integration these should be preferably be from same OEM.	RFQ cum RFP prevails
881.	RFP Volume III, Section 2.2.9 -2.2.9 City's Integrated Operations Centre (CIOC)-FR 9.11	253 (Printed Page No 235)	FR 9.11 The platform shall receive direct feeds and raw data from the IIT City Systems. City Systems shall include the following: • Building Management System (BMS); • Education (as applicable); • IIT Software Modules (ISM); • Emergency;	What the meaning of Emergency integration and could You please share in detailed of Emergency integration?	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
882.	RFP Volume III, Section 2.2.9 -2.2.9 City's Integrated Operations Centre (CIOC)-FR 9.11	253 (Printed Page No 235)	FR 9.11 The platform shall receive direct feeds and raw data from the IIT City Systems. City Systems shall include the following: • Building Management System (BMS); • Education (as applicable); • IIT Software Modules (ISM); • Emergency;	Request to provide exact number of system that will be integrated with CIOC	RFQ cum RFP is clear
883.	2.2.4 IIT Software modules	Pg84	Requirement of linear asset representation would also be felt in the electric cables, gas pipelines and telecom fibre. A GIS interface would be integral to the solution	Please let us know the format of the linear assets. We understand that we need to migrate the same into GIS format. Please confirm.	Successful Bidder to assess data
884.	Vol III	64	Cameras with Built-in Video Analytics	Please note that the accuracy of the mentioned analytics can be compromised if the processing will happen over cameras. Hence, for better accuracy results, we request you to revise the clause as - CAMERAS WITH BUILT-IN VIDEO ANALYTICS/ Server Based Processing	RFQ cum RFP prevails
885.	Vol III	65	VMS shall be ONVIF compliant.	Please note that the latest profile of ONVIF are S, G & T hence, in order to be updated with the latest technology we request you to please revise the clause as - VMS shall be ONVIF S, G & T Profile compliant.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
886.	Vol III			Please provide the Video Analytics license quantity to size the system accordingly	RFQ cum RFP prevails
887.	Vol III	67	Users shall be able to digitally zoom up to 1000% and scroll replayed video.	It seems like 1000% is a typo hence we request you to please update the clause as - Users shall be able to digitally zoom up to 100% and scroll replayed video.	RFQ cum RFP prevails
888.	Vol III	70	The system processing shall be in real time i.e. the recognition of license plate number should happen instantaneously (within three seconds of capture). Processing can happen at site or upon receipt of violation package at CIOC.	The processing can takes place over local processing units installed at field locations or can be processed over servers place at central locations. Please confirm if the understanding is correct.	RFQ cum RFP is clear
889.	Vol III	307	Automatic Number Plate Recognition (ANPR): Cloud Hosting	ITMS use cases are dynamic in nature and the response time must be in less then 10 seconds, it requires immediate response and there is latency involved in cloud hosted application. Hence, we request you to allow hosting the compute infra on premise and keep a copy of recorded videos on cloud	RFQ cum RFP prevails
890.				Please provide the list of ITMS locations to install ANPR cameras with the bifurcation of total cameras at each location.	Locations to be finalized with successful Bidder.
891.	Volume 1, Section 17. Qualification Documents and Technical Proposal Format	30	The EMD/Bid Security: If the Bidder is submitting the EMD in the form of a bank guarantee, it must be in the format set out at	The current pandemic situation due to Covid19 and the lockdown enforced on hotspots has impacted the logistics & courier movements and it is challenging for most bidders	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Appendix 3. Hard copy of the EMD must be submitted.	to submit the physical copies. Hence, we request DMIC IITGNL to kindly remove the physical copy submission of EMD OR Please provide the bidders at least 2 weeks further time from bid submission due date for submitting EMD originals.	
892.	Volume 1, Section 17. Qualification Documents and Technical Proposal Format	30	Bidder shall also submit relevant documentary evidence indicating that authorizing signatory has the power to give other person the charge of authorised signatory to sign the bid;	We hope a board resolution will be sufficient to meet this requirement.	Yes
893.	Volume 1. Section 2 F. 5.1(a) Company Financials & Profile	48	<ul style="list-style-type: none"> • Audited financial statements for last three Financial Years; OR <ul style="list-style-type: none"> • Statutory auditor's certificate / Chartered Accountant certificate clearly specifying the annual turnover for the specified years. • Income tax returns for the three financial years (FY 2016-17, 2017-18 and 2018-19). 	Requesting DMIC IITGNL to kindly accept provisional financials of FY 2018-19, in case the Bidder's FY 2018-19 auditing is not completed and under processing.	RFQ cum RFP is clear
894.	Volume 1. Section 2 F. 5.1(a) Optical Fibre Cable (OFC)	49	6. Optical Fibre Cable (OFC): The Bidder (any member in case of consortium) shall have	Requesting to relax the qualification criteria as below for increased participation. Kindly consider the change as	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			successfully commissioned / Go-Live at least two (2) projects related to implementation of campus wide / city-wide Fibre Optic Infrastructure including at least 100 km or comprising of 75 switches/ routers in an outdoor environment (not inside buildings) per project having a minimum value of INR 5 crores per project during last seven (7) years as of RFQ cum RFP publish date.	below: Change Request: The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation of campus wide / city-wide Fibre Optic Infrastructure including at least 50 km or comprising of 40 switches/ routers in an outdoor environment (not inside buildings) per project having a minimum value of INR 5 crores per project during last seven (7) years as of RFQ cum RFP publish date.	
895.	Volume 1. Section 2 F. 5.1(a) 7. Software applications	50	7. Software applications: The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation and support of software applications including modules like Finance, Human Resource and Payroll, Utility Billing, Asset Management, Mobile Applications, Citizen Service Portal, Grievance Redressal, Building Plan Approval System, File Management System/Document Management System (At	Requesting to consider other wide range of implemented software applications by bidders which will demonstrate their expertise in that area hence result in competitive bidding. Change Request: The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation and support of software applications including modules like Finance, Human Resource and Payroll, Utility Billing, Asset/Inventory Management, Mobile Applications, Citizen Service Portal, Grievance Redressal, Building Plan Approval System, File	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			least Three out of Nine). having a minimum value of INR 3 crores per project during last seven (7) years as of RFQ cum RFP publish date.	Management System/Document Management System, Incident/Alert Management System (At least Two out of Ten). having a minimum value of INR 3 crores per project during last seven (7) years as of RFQ cum RFP publish date.	
896.	Volume 1. Section B. Preparation of Proposals , clause 13	50	In case any supporting document or printed literature is in another language, it must be accompanied by an accurate translation of all the relevant passages in English by an approved/authorized/licensed translator and signed by the Authorized signatory / one board of directors of the lead bidder/ consortium member, in which case, for all purposes of interpretation of the Proposal, the translation in English shall prevail.	Kindly remove this requirement of translation from a approved/authorized /licensed translator, which is not mandated in any of the similar tenders from public sector in India. Kindly allow Bidder's authorized signatory to certify the translations to be true and correct.	RFQ cum RFP prevails
897.	Volume 1. Section C. Submission, Opening and Evaluation	51	However, Bidder shall submit physical copy of all forms which are required on stamp paper such as EMD, PoA, Joint Bidding Agreement, Non-Disclosure Declaration, Blacklisting certificate etc. to the following address.	The current pandemic situation due to Covid19 and the lockdown enforced on hotspots has impacted the logistics & courier movements and it is challenging for most bidders to submit the physical copies. Hence, we request DMIC IITGNL to kindly mandate physical copy submission after the technical	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Bid Submission deadline: same for online submission and physical submission i.e. 14th September 2020.	evaluation from those bidders who qualifies the technical evaluation.	
898.	Volume 1. Section 29 Evaluation of the Technical Proposals	53	The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation of campus wide / city-wide Fibre Optic Infrastructure including at least 100 km or comprising of 75 switches/routers in an outdoor environment (not inside buildings) per project having a minimum value of INR 5 crores per project during last seven (7) years as of RFQ cum RFP publish date.	<p>Requesting to relax the criteria as below for a competitive bidding. Kindly consider the change as below:</p> <p>Change Request: The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation of campus wide / city-wide Fibre Optic Infrastructure including at least 50 km or comprising of 40 switches/routers in an outdoor environment (not inside buildings) per project having a minimum value of INR 5 crores per project during last seven (7) years as of RFQ cum RFP publish date.</p>	RFQ cum RFP prevails
899.	Volume 1. Section 29 Evaluation of the Technical Proposals	53	The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation and support of software applications including modules like Finance, Human Resource and Payroll, Utility Billing, Asset Management, Mobile	<p>Requesting to relax the criteria as below for a competitive bidding. Kindly consider the change as below:</p> <p>Change Request: The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation and support of software applications including modules like Finance,</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Applications, Citizen Service Portal, Grievance Redressal, Building Plan Approval System, File Management System/Document Management System (At least Three out of Nine). having a minimum value of INR 3 crores per project during last seven (7) years as of RFQ cum RFP publish date.	Human Resource and Payroll, Utility Billing, Asset/Inventory Management, Mobile Applications, Citizen Service Portal, Grievance Redressal, Building Plan Approval System, File Management System/ Document Management System, Incident/Alert Management System (At least Two out of Ten). having a minimum value of INR 3 crores per project during last seven (7) years as of RFQ cum RFP publish date.	
900.	Volume 1. Section 29 Evaluation of the Technical Proposals	53	<p>The Bidder or any consortium member shall have successfully commissioned/Go-Live at least two (2) projects related to implementation of city wide / campus wide outdoor CCTV surveillance system consisting of at least 50 IP based cameras with integrated Video Management System and recording having a minimum value of INR 2 crores per project during last seven (7) years as of RFQ cum RFP publish date.</p> <p>Number of Projects: 1) =2: 5 Marks 2) >=3 and <5: 7 Marks</p>	<p>Kindly relax the scoring criteria as below for a competitive bidding.</p> <p>Number of Projects: 1) =2: 5 Marks 2) =3: 7 Marks 3) >=4: 10 Marks</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			3) >=5: 10 Marks		
901.	Volume 1. Section 29 Evaluation of the Technical Proposals	55	CMMi Level 5 – 2 Marks (1 Mark only for CMMi Level 3)	Kindly relax the criteria to award 2 marks for CMMi 3 and remove CMMi 5 requirement.	RFQ cum RFP prevails
902.	Volume 1. Section 29 Evaluation of the Technical Proposals	56	Solution Architect 1 – Bachelor in Engineering having more than 8 years of experience in designing, implementing and integrating various Back Office Systems or ERP modules like finance, asset management, inventory management, utility billing and maintenance, HR & Payroll etc. Must have at least three (3) relevant projects (Back office system or ERP).	Kindly modify the clause as: Solution Architect 1 – Bachelor in Engineering having more than 8 years of experience in designing, implementing and integrating various Back Office Systems or ERP modules like finance, asset management, inventory management, utility billing and maintenance, HR & Payroll etc. or traffic management or traffic surveillance systems Must have at least three (3) relevant projects (Back office system or ERP).	RFQ cum RFP prevails
903.	Volume 1. Section 29 Evaluation of the Technical Proposals	56	Solution Architect 2 – Bachelor in Engineering having more than 8 years of experience in designing, implementing and integrating various Customer facing Systems or eGovernance applications like grievance redressal system, Citizen Portal, Mobile Applications, KPIs and Dashboards etc. Must have at least three (3) relevant projects	Kindly modify the clause as: Solution Architect 2 – Bachelor in Engineering having more than 8 years of experience in designing, implementing and integrating various Customer facing Systems or eGovernance applications like grievance redressal system, Citizen Portal, Mobile Applications, KPIs and Dashboards etc. or traffic management or traffic surveillance systems	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			(Customer Facing Applications or e-Governance).	Must have at least three (3) relevant projects (Customer Facing Applications or e- Governance).	
904.	Vol. I /5.1(a)	Page No.47/ qualification criteria /6. optical Fibre Cable (OFC)	The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation of campus wide / city-wide Fibre Optic Infrastructure including at least 100 km or comprising of 75 switches/routers in an outdoor environment (not inside buildings) per project having a minimum value of INR 5 crores per project during last seven (7) years as of RFQ cum RFP publish date.	Herem we would like to share the OFC clause of Dholera ICT project at Dholera Special Investment Region, Gujarat. We request DMIC IITGNL authortiy to amend the OFC clause inline with recent DMIC RFP of Dholera SIR where-in DMIC has witenessed highest Bidder's participation (6 bidders). The current clause of OFC is limiting the competition, would be very few bidders who can fulfil the criteria of 100km. In this regard we take this opportunity to propose amendment in OFC clause to make it more rational and acceptable so more bidders can participate. We request you to amend the clause as " The Bidder (any member in case of consortium) shall have successfully implemented and commissioned at least two (2) projects related to implementation of campus wide / city - wide Fibre Optic Infrastructure including linear distance of 15 Km OR 5 Sq. Km City-wide/Campus-wide/State-wide covering both Active and Passive components during last Seven (7) years as of RFQ cum RFP publish date."	RFQ cum RFP prevails
905.	Vol.III /3.2.2	Page No. 303 / Public Wifi	The MSI shall be responsible for monetisation of public wifi	Please delete this clause. This should be part of separate tender	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			services in compliance with the requirements of RFQ cum RFP		
906.	Volume III, 2.2.3 City Surveillance with Automatic Traffic Counters and Classifiers (ATCC) and Automatic Number Plate Recognition (ANPR) Cameras, Recording & Storage, FR 3.22	65	Failover Support - The system shall support automatic failover for Recording Servers. This functionality shall be accomplished by Failover Server as a standby unit that shall take over in the event that one of a group of designated Recording Servers fails. The system shall support multiple Failover Servers for a group of Recording Servers. Failover server shall be hosted at geographically redundant location i.e. Secondary PoP.	Please share the N:1 ration for Failover recording Servers.	RFQ cum RFP Prevails
907.	Vol III, 2.2.1.5	12	Primary POP and Secondary	1. Floor plan for POP-1 and POP-2 for sizing for interior and electrical work? 2. How far are they located from each other (distance between primary POP and Secondary POP)	Details will be shared with successful Bidder. RFQ cum RFP is clear
908.	Vol III, TR 8.120	217	The UPS unit shall include Valve Regulated Sealed Maintenance Free Lithium ion Batteries with typical lifetime of five (5) years and minimum reserve time of (4) four hours under full load conditions.	1. When there is DG for Power backup, UPS backup for 4 hrs will not be required. 2hrs backup will be more than sufficient. This will also reduce the cost and also by reducing the number of Batteries. 2. Please let us know overall number UPS is required and the	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				UPS rating? For example (500KVA*1) or (250*2) or (100*5) 3. Please let us know Total Power requirement for the command and control center in this RFP? 4. Is this UPS is consider for only Primary POP or Both primary and secondary POP?	
909.	Vol III, Exhibit 10: Functional View of CIOC	232	Applications, Social Media and Web browsers: Multiple Software applications shall be a content input into the CIOC systems. Social Media will also be integrated to understand social sentiment.	Request Customer to add this as Technical Requirement: The Social Media Analytics platform shall gather and analyze various unstructured data generated by the citizens via multiple platforms. It shall cater to various needs of DMIC-IITGNL like, need of an effective online citizen engagement dashboard through social media channels. The platform must analyze citizens feedback for better decision and administrative support. It shall also help to get proactive alerts on security / crisis /sensitive activities for better safety & administration. These platforms are very effective e-governance.	RFQ cum RFP prevails
910.	Vol III, FR. 9.79	238	Integrate with social media platforms for monitoring of trends, citizen feedback etc.		RFQ cum RFP prevails
911.	Vol III, BR. 9.14	233	Integrate with other SCADA/IoT based systems including water and wastewater, power, solid waste and streetlighting (providing by Others) at the CIOC for monitoring and control of these systems. Note that these SCADA based	Shall have ability to take over control of subsystems with bi-directional control wherever it is applicable and required. For e.g. Water SCADA & Electrical SCADA Systems. Ex: ability to start / stop pumps in pump house, open/close valves in distribution network in case of emergency like flood, earthquake or any disaster which may disrupt	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			systems shall be primarily monitored and controlled from their respective system. However, the smart city platform shall provide the capabilities to DMIC IITGNL operators to visualize all attributes and override the control of these systems as per the defined standard operating procedures for critical functionalities only.	normal operations, control PTZ cameras, switching on/off street lights, setting the traffic signal timers to name a few.	
912.	Vol III, FR 9.3	234	CIOC shall enable system and cross system analytics through smart city platform in order to make city operations intelligent.	Cross system analytics will be required to have advanced machine learning frameworks to mine heterogeneous data from disparate cyber- physical systems including IoT connected devices, SCADA, Process historians,	RFQ cum RFP prevails
913.	Vol III, FR 9.6	234	CIOC shall provide alarm features for immediate notification to city administrators in case critical event occurs in the city.	The proposed analytics solution shall provide real-time risk scoring based on trends and relevant alarms, alerts and messages from multiple cyber physical systems.	RFQ cum RFP prevails
914.	Vol III, FR 9.11	234, 235	The platform shall receive direct feeds and raw data from the IIT City Systems.	Request clarification: In addition to receiving data, the platform should support Bi-directional communication and control for which open platform connectivity is essential.	RFQ cum RFP prevails
915.	Vol III, FR 9.16	235	The platform shall support integration with all other systems being provided by others as part of this	CIOC platform should provide a comprehensive API & SDK (Software development kit) to allow	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Project and as provided by other Contractors.	interfacing and integration of 3rd party systems	
916.	Vol III, FR 9.17	235	Some of the systems shall have their respective SCADA system for monitoring and control. Using the smart city platform, visualizations of all data received from these SCADA systems is possible. However, only critical functionality defined using the SOPs shall be enabled using the smart city platform for the purposes of monitor and control of these systems.	Request Customer to add this as Technical Requirement: The CIOC platform should be able to integrate with any type of sensor platform – Standalone Sensor System, IoT Gateway connected Sensors etc. being used for the urban services irrespective of the technology used. CIOC platform should also be able to connect to operational technologies with bidirectional control via native protocols like OPC DA, OPC UA, BACnet, Serial communication, MODBUS, DNP3, IEC 61850, protocols etc. CIOC platform should have built-in supervisory control to send control signals to the end systems in case of emergency and process overrides.	RFQ cum RFP prevails
917.	Vol III, FR 9.19	235	The platform shall be user configurable and compatible with all standard industry protocols for individual systems. It shall be the only system through which all data consolidation, normalization and cross system and individual analytics shall be performed for all city systems.	For cross-system data aggregation and analytics, an IoT driven CIOC platform shall enable interaction with various devices including network nodes (LonWorks/Modbus/BACnet), recorders, input/output (I/O) systems, intelligent transmitters, and other field devices.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
918.	Vol III, TR 9.127	249	The consoles shall be fabricated to meet or exceed recognized industry quality standards (e.g., ANSI/BIFMA or equivalent).	ANSI or BIFMA are not Indian Standards, As per UP time standards for interior ergonomics for Comand and Control Center and Data Center is ISO 11064. Kindly clarify on this part. Is it ok if it is ASTM E84/ ISO 9001:2015 Standards with GREENGUARD Certified Standards	RFQ cum RFP prevails
919.	Vol III, TR 9.129 Vol III, TR 9.141	248 250	1. Four (4) wide-screen 610 mm (24 inch) LED monitors. Each monitor arm should accommodate two screens as a minimum; 2. Mounting systems shall be capable of being equipped with a maximum of Two (2) monitor arms at each console. Monitor arms shall be removable and interchangeable with other consoles. Monitor arms shall be easily moveable horizontally across the mounting system if slat wall mount is used. Each console should have two mounting systems capable to accommodating two monitor arms.	Monitor mounting clarification is required, 2 monitors or 4 monitors for one mounting arm?	Two monitors for one mounting arm. Two mounting arm per console
920.	Vol III, TR 9.345	260	The scope includes supply, installation, testing and commissioning of 500 KVA	1. Please let us Know if 500KVA DG for 3000Sqft area is required. We feel that 500KVA is overrated and	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Continuous rating (Prime Rating) AC 3 phase, 4 wire, 1500 rpm, 0.8pf, 50hz D.G Set with accessories i.e. vibration mounts, Base frame, In Built fuel tank of 990 liters, Residual Silencer flexible connection bellow / expansion joints, Engine & DG control panel, Batteries - 2 Nos. of 180 AH/12V and Battery leads and Acoustic Enclosure (Canopy) Complete in All Respect to run the DG in synchronization with AMF Panel. DG set shall be for entire Admin Building.	which can be minimized to 150KVA to 200KVA Maximum 2. Is the required DG only for Primary POP or both Primary and Secondary POP 3. If it is for both Primary and Secondary, how far are they located from each other (distance between primary POP and Secondary POP)	
921.	Vol III, Secondary POP	283	All AC units shall be redundant such that failure of one does not impact the operating temperature required to be maintained in the DMIC IITGNL area	1. Total number of AC's in Tonnage requirement? 2. AC requirement in RFP is it only for the CIOC or Total admin building. 3. Type of HVAC?	As per Bidder's design to meet the RFQ cum RFP requirement
922.	Vol III, Lighting	259	All overhead lighting shall be LEDs both recessed direct and indirect lighting, including pot-lights.	Lighting Requirement in RFP is it only for CIOC or Total admin building	For CIOC area
923.	Vol III, TR 9.331 to TR 9.339	260	Stub conduits shall be installed in the concrete slab floor (underneath the raised floating floor) of the Operations Room.	1. Raise flooring is required only for CIOC or for the entire admin building?	For CIOC area

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
924.	Vol III, 3.2.9 City Integrated Operations Center	303	• The CIOC shall be equipped with adequate and advanced Fire Detection and Suppression system	1. Fire Detection is required only for CIOC or for the entire admin building?	For CIOC area
925.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference: BR 8.7	239	Deployment model of cloud shall be Government Community cloud / Public Cloud.	Need specific information for offering	RFQ cum RFP is clear
926.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference: FR 8.13	240	The solution shall have security features out of the box.	Need clarity. Which out of box features are expected?	RFQ cum RFP is clear
927.	Volume I, Section 25.2 Performance Security	Page 40 of 138	The Performance Security shall be for an amount equal to 10% (Ten percent) of the total value of the Contract inclusive of taxes.	Request the Performance Security be modified to 5% (Five percent) of the total value of the Contract inclusive of taxes.	RFQ cum RFP Prevails
928.	Volume III, FR-3, Video Management System, FR 3.10 Event (alarm) Handling, Bullet point 1	Page 83 of 351	The camera shall be capable of recording an event as pre and post event images to on-board SD Media Card and on local storage.	There is no specific mention of what is to be done if video recording is stored in the SD card of the camera due to a network disconnection. If the card and / or camera is stolen or removed, the recording can be lost. This can be a security leak. It is recommended to be automatically synced back to the local storage proposed at the PoP locations as soon as network is reestablished.	RFQ cum RFP Prevails
929.	Volume III, FR-3, Video Management System, FR 3.36	Page 84 of 351	VMS shall be ONVIF compliant	ONVIF has several profiles related to video namely S - basic video streaming G - edge storage and retrieval Q - for quick installation / discovery T - for advanced video streaming	RFQ cum RFP Prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				Which profiles need to be complied? Similarly this should also be extended to cameras in Clause TR 3.1 in TR-3, Page 94 of 351	
930.	Volume III, FR-3, Video Management System, FR 3.67	Page 87 of 351	The Video Management System shall be able to escalate alarms to other user groups if the alarm is not acknowledged within a pre-defined time period.	Proprietary feature	RFQ cum RFP Prevails
931.	Volume III, FR-3, Video Management System, FR 3.78	Page 88 of 351	Administrator users shall be able to lockout all other users preventing them from viewing or recording video from a selected camera or all cameras in a selected site.	Proprietary feature	RFQ cum RFP Prevails
932.	Volume III, TR-3, TR 3.10	Page 95 of 351	All cameras shall capture high definition video, compress the video using H.265 or better technique and transmit real-time using fibre optic based communications system.	The cameras are required to be H.265 compliant. However, there is no mention of the same in the VMS specifications. Is video to be recorded in H.265?	RFQ cum RFP Prevails
933.	Volume III, TR-3, TR 3.18, Bullet point 3	Page 95 of 351	Lens of 6mm-129mm with minimum 30X optical and 12X digital zoom.	Proprietary specification. Kindly allow 30X zoom irrespective of start / end focal length of lens	30X optical zoom is required. RFQ cum RFP states minimum requirement and Bidder shall propose minimum focal length as part of the solution to meet maximum focal length requirement as per specified criteria.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
934.	Volume III 1. TR-3, Storage Solution TR 3.23-3.24 2. On-Premise Storage TR 8.248-8.258	1. Page 95 of 351 2. Page 247 of 351		1. What would be the recording parameters like resolution and framerate? 2. There is no line item for the on-premise storage in section 1.6 Table-1 and section 1.7 Table-2 in Volume I, Section 4 (Financial Proposal), Pages 115-136 of 138	1. Query addressed before. 2. Bidder to incorporate line item as part of 'Any other Hardware or Software required to meet the RFQ cum RFP requirements' in the Financial Proposal. Please mention applicable description.
935.	Vol1, A. General Provisions, Point(j)	Page.12	Control” in relation to a Person, means: (i) the ownership, directly or indirectly, of more than 50% of the voting shares of such Person; or (ii) the power, directly or indirectly, to direct or influence the management and policies of such Person by operation of law, contract or otherwise. The term “Controls” and “Controlled” shall be construed accordingly	Please clarify if this applicable for authorised signatory	RFQ cum RFP is clear
936.	Vol1, 4. Eligibility,Point 4.7	Page. 21	The Bidder, its contractors and sub-contractors, during the last during the last 3 (three) years, neither failed to perform on any agreement, as evidenced by imposition of a penalty by an arbitral or judicial authority or a judicial	Please clarify if the clause is persistent with the blacklisting clause	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			pronouncement or arbitration award against the Bidder and its Contractors and subcontractors, nor been expelled from any project or agreement nor have had any agreement terminated for breach by such Bidder and its contractors and sub-contractors.		
937.	Vol1 , eligibility Criteria	General	<p>Sole Bidder/any Member of onsortium:</p> <ul style="list-style-type: none"> • Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; AND • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead. <p>In case of large orders/orders with operations & maintenance phase, the completion certificate may specify successful commissioning status of a part of the order meeting the requirement.</p>	<p>Due to Pandemic it may be difficult to get the client certificate for the ongoing projects hence request you to please change it to</p> <p>For Ongoing projects Client or CA/CS certfate certifying the same may be acceptable .</p> <p>For Completed Project : Completion certificate signed by the Competent Authority .(Entity Letter head may not always be used to issue completion certificate)</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
938.	Vol1, 5.1(a) The Bidder must meet the following qualification criteria as on the last date of submission of this bid: 2. Company Financials & Profile	Page 48	The Bidder (sole bidder) shall have an average annual turnover of INR 100 Crores over the last three (3) Financial Years (FY 2016-17, 2017-18 and 2018-19). In case of a Consortium/JV, partner in charge shall meet at least 50% of the total revenue criteria.	Please clarify if in case of consortium will the requirement of the average turnover reduce for the Lead bidder from 100 cr and joint and cumulative turnover of all the parties put together can be 100 Cr.	RFQ cum RFP is clear
939.	Vol3, Table 2: End-to-end coordination and integration of the Components	Page 8	Table 2: End-to-end coordination and integration of the Components	Please clarify the OEM/vendor/MSI of various system as mentioned in table 2 details and the functionality to be achieved with this integration	RFQ cum RFP is clear
940.	Vol 3 4 Roles and Responsibilities 4.1 Master System Integrator (MSI)	Page 314	Temporary power during construction/implementation stage to be arranged and paid by MSI. Client shall only provide power during operations phase	These are remote site hence to get the temporary power is difficult thus request you to please consider under Client scope	RFQ cum RFP prevails
941.	Vol 3 4 Roles and Responsibilities 4.1 Master System Integrator (MSI)	Page 314	Secure storage of all equipment on-site;	As IT equipments are costly thus request you to provide the Storage space as MSI will secure it by its personnel	RFQ cum RFP prevails
942.	Vol3 , 3.2.12 SMS, e-Mail and WhatsApp Gateway	Page 312	Supply, installation and maintenance cost of SMS gateway, e-Mail gateway and WhatsApp gateway shall be borne by the MSI;	Please add in the BOQ line item as it has the cost	RFQ cum RFP prevails
943.	Volume 3, Primary Storage	247	New Clause	The storage should have 192GB DRAM based cache/system memory	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
944.	Volume 3, Primary Storage		New Clause	The storage Stoarge have 8 x16G FC, 8 x 10G iSCSI, 8 x 10G NAS ports for CIFS, NFS, FTP	RFQ cum RFP prevails
945.	Volume 3, PrimarStorage TR 8.250		Unified Storage solution should be IP based/iSCSI/FC/FCoE/NFS/CIFS as per the application requirement	Unified Storage solution should be iSCSI/FC/FCoE,NFS,CIFS and FTP	RFQ cum RFP prevails
946.	Volume 3, Primary Storage		New Clause	Each controller must have atleast intel skylake/cascade lake 20 cores processor	RFQ cum RFP is clear
947.	Volume 3, Primary Storage		New Clause	Data Archiving Support: Proposed solution should include software for policy based data archiving software to archive data from storage to secondary archival software. Software should support both NAS and Block level data archival to on-prem target or to public clouds. Details on supported targets to be submitted.	RFQ cum RFP prevails
948.	Volume 3, Primary Storage		New Clause	Stoarge should be appliance based and alll the software, hardware and support should come from a single OEM	RFQ cum RFP prevails
949.		325	MSI shall ensure that all data from Cloud DC is backed up to Cloud DRC/Secondary DC in regular intervals for the duration of the project. MSI shall ensure that no data is deleted or overwritten without the written consent of the client."	Backup Software specs are missing,	RFQ cum RFP prevails
950.		40	The MSI is responsible for	Backup Software specs are missing,	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			performing and safely storing timely and regularly backups of its data and software in accordance with accepted data management principles		
951.	Distribution Switch at POP Volume III Page No. 35 – Point No. TR 1.236	35	Switch should supplied with minimum 6 x 40G fiber ports from day one.	New age 24 port 10 gig switch comes with 4 port uplink which can support either 40gig or 100gig Transceivers. Asking for 24 port 10gig with 6 x 40gig uplink will give a preference to specific oem to quote old models. Please allow 4 port which can support 40/100gig from day one as per industry standards. Please modify the clause as" Switch should supplied with minimum 4 x 40/100G fiber ports from day one."	RFQ cum RFP prevails
952.	Distribution Switch at POP Volume III Page No. 36 – Point No. TR 1.247	36	Graceful restart for OSPF, IS-IS and BGP Protocols	IS-IS is a carrier backbone protocol which not used in Layer 3 connectivity in the switches. Please allow IS-IS as an optional protocol to support. Please modify clause as" Graceful restart for OSPF or IS-IS and BGP Protocols"	RFQ cum RFP prevails
953.	Distribution Switch at POP Volume III Page No. 36 – Point No. TR 1.248	36	Bidirectional forwarding detection(BFD) for OSPF, IS-IS and BGP Protocols	IS-IS is a carrier backbone protocol which not used in Layer 3 connectivity in the switches. Please allow IS-IS as an optional protocol to support. Please modify clause as" Bidirectional forwarding detection(BFD) for OSPF or IS-IS and BGP Protocols"	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
954.	Distribution Switch at POP Volume III Page No. 36 – Point No. TR 1.258	36	RIP for IPV4 (RIPv1/v2) and Ipv6(RIPng)	RIP is a very old version of routing which is not used in today's WAN deployment. All of the deployment used OSPFv3 or BGPv4 for scalability and faster convergence. Please allow newer version to provide for these switches. Please modify clause as "RIP for IPV4 (RIPv1/v2) and Ipv6(RIPng) or OSPF or BGPv4 "	RFQ cum RFP prevails
955.	Distribution Switch at POP Volume III Page No. 36 – Point No. TR 1.260	36	IS-IS for IPV4 and Ipv6(IS-ISv6)	IS-IS is a carrier backbone protocol which is not used in Layer 3 connectivity in the switches. Please allow IS-IS as an optional protocol to support. Please modify clause as "IS-IS for IPV4 and Ipv6(IS-ISv6) or OSPF or BGPv4 "	RFQ cum RFP prevails
956.	Distribution Switch at POP Volume III Page No. 37 – Point No. TR 1.281	37	Shall have ethernet OAM(IEEE 802.3ah) Management capability	Please allow equivalent feature for participation of other reputed vendors. Please modify clause as " Shall have ethernet OAM(IEEE 802.3ah) or Equivalent Management capability"	RFQ cum RFP prevails
957.	Distribution Switch at POP Volume III Page No. 37 – Point No. TR 1.283	37	shall be capable of supporting both AC and DC power inputs	it's a look typo mistake, switch can only work on AC or DC power supply. Kindly clarify. Please modify clause as " shall be capable of supporting both AC or DC power inputs"	RFQ cum RFP prevails
958.	Ethernet Switch and Router - Layer 3 Volume III Page No. 37 – Point No. TR 1.288	37	Modular Architecture, Minimum four slots for interface modules. Should have dedicated slot for CPU redundancy (required from day one). There	Please allow fixed form factor also to comply and proposed. Kindly modify the clause as " Modular Architecture or fixed form factor, Minimum four slots for interface modules. Should have	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			should not be any interface on CPU card.	dedicated slot for CPU redundancy (required from day one). There should not be any interface on CPU card or Incase all ports and performance parameters are met bidders can quote fixed format switch in HA."	
959.	Ethernet Switch and Router - Layer 3 Volume III Page No. 37 – Point No. TR 1.289	37	Switch should have reudant fabric and control plane.	Please allow fixed form factor also to comply and proposed. Kindly modify the clause as" Switch should have reudant fabric and control plane or Incase all ports and performance parameters are met bidders can quote fixed format switch in HA."	RFQ cum RFP prevails
960.	Ethernet Switch and Router - Layer 3 Volume III Page No. 37 – Point No. TR 1.290	37	Switch should have redundant CPU's working in active-active or active-passive mode from day 1.Switch dual supervisor configuration must allow non-stop forwarding(NSF) with a stateful switchover (SSO) when a supervisor level failure occur.	Please allow fixed form factor also to comply and proposed. Kindly modify the clause as" Switch should have redundant CPU's working in active-active or active-passive mode from day 1.Switch dual supervisor configuration must allow non-stop forwarding(NSF) with a stateful switchover (SSO) when a supervisor level failure occur or Incase all ports and performance parameters are met bidders can quote fixed format switch in HA."	RFQ cum RFP prevails
961.	Ethernet Switch and Router - Layer 3 Volume III Page No. 38 – Point No. TR 1.292	38	The switch should not have any single point of failure like supervisor, switching fabric powersupplies and fans.	Please allow fixed form factor also to comply and proposed. Kindly modify the clause as" The switch should not have any single point of failure like power supplies and fans. or Incase all ports and performance parameters are met	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				bidders can quote fixed format switch in HA."	
962.	Ethernet Switch and Router - Layer 3 Volume III Page No. 38 – Point No. TR 1.294	38	Shall shave minimum 320Gbps of switching capacity per slot with total switch throughput of 1.2Tbpsfull duplex.	Please allow fixed form factor also to comply and proposed. Kindly modify the clause as" Shall shave minimum 320Gbps of switching capacity per slot or switch with total switch throughput of 1.2Tbpsfull duplex.."	RFQ cum RFP prevails
963.	Ethernet Switch and Router - Layer 3 Volume III Page No. 38 – Point No. TR 1.296	38	Switch should be supplied with minimum 10 x 40G Fiber ports	Kindly modify clause" Switch should be supplied with minimum 8 x 40G Fiber ports"	RFQ cum RFP prevails
964.	Ethernet Switch and Router - Layer 3 Volume III Page No. 38 – Point No. TR 1.308	38	Bidirectional forwarding detection(BFD) for OSPF, IS-IS and BGP Protocols	IS-IS is a carrier backbone protocol which not used in Layer 3 connectivity in the switches. Please allow IS-IS as an optional protocol to support. Please modify clause as" Bidirectional forwarding detection(BFD) for OSPF or IS-IS and BGP Protocols"	RFQ cum RFP is clear
965.	Ethernet Switch and Router - Layer 3 Volume III Page No. 38 – Point No. TR 1.318	38	Switch should support minimum 1000 VRF instances with route leaking functionality.	Asked VRF instances required and deployed in carrier garde routers. Please modify the clause for data center or Campus category switch to be get Proposed. Kindly modify clause" Switch should support minimum 512 VRF instances with route leaking functionalits"	RFQ cum RFP prevails
966.	Ethernet Switch and Router - Layer 3	39	Should support MPLS and VPN's	Asked features required and deployed in carrier garde routers. Please modify the clause for data	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Volume III Page No. 39 – Point No. TR 1.319			center or Campus category switch to be get Proposed. Kindly modify clause" Should support MPLS or BGP or VPN's or VRF or VXLAN"	
967.	Ethernet Switch and Router - Layer 3 Volume III Page No. 39 – Point No. TR 1.320	39	The switch should have 500K ipv4 and 500K ipv6 routes	Asked features and figures required and deployed in carrier garde routers. Please modify the clause for data center or Campus category switch to be get Proposed. Kindly modify clause" The switch should have 128K ipv4 and 64K ipv6 routes"	RFQ cum RFP prevails
968.	Ethernet Switch and Router - Layer 3 Volume III Page No. 39 – Point No. TR 1.323	39	RIP for IPV4 (RIPv1/v2) and Ipv6(RIPng)	RIP is a very old version of routing which is not used in todays WAN deployment. All of the deploment used OSPFv3 or BGPv4 for scalability and faster convergence. Please allow newer version to provide for tehse switches. Please modify clause as"RIP for IPV4 (RIPv1/v2) and Ipv6(RIPng) or OSPF or BGPv4 "	RFQ cum RFP prevails
969.	Ethernet Switch and Router - Layer 3 Volume III Page No. 39 – Point No. TR 1.325	39	IS-IS for IPV4 and Ipv6(IS-ISv6)	IS-IS is a carrier backbone protocol which not used in Layer 3 connectivity in the switches. Please allow IS-IS as an optional protocol to support. Please modify clause as"IS-IS for IPV4 and Ipv6(IS-ISv6) or OSPF or BGPv4 "	RFQ cum RFP prevails
970.	Ethernet Switch and Router - Layer 3 Volume III Page No. 39 – Point No.	39	Shall have ethernet OAM(IEEE 802.3ah) Management capability	Please allow equivalent feature for participation of other reputed vendors. Please modify clause as" Shall have	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	TR 1.347			ethernet OAM(IEEE 802.3ah) or Equivalent Management capability"	
971.	Layer 2 Switch Volume III Page No. 42 – Point No. TR 1.426	42	Switch should have minimum 2GB RAM and 2GB Flash	Kindly modify clause as"Switch should have minimum 2GB RAM and 1GB Flash"	RFQ cum RFP prevails
972.	Layer 2 Switch Volume III Page No. 43 – Point No. TR 1.442	43	Switch should support atleast 16K flow Enteries	16K Flow enteries is specific to OEM. Kindly modify clause for other OEM's to participate. Kindly modify clause as"Switch should support Sflow/Jflow/nflow with flow Enteries"	RFQ cum RFP prevails
973.	Layer 2 Switch Volume III Page No. 43 – Point No. TR 1.443	43	Switch should support 128 or more STP instance	Please allow other leading OEM's to participate with modification in the clause. Kindly modify clause as"Switch should support 64 or more STP instance"	RFQ cum RFP prevails
974.	On premise physical Server Volume III Page No. 227 – Point No. TR 8.231	227	The server shall have dual processor Intel Xeon CPU 16 core 3.6Ghz	There is no CPU in Intel latest family which should suffice these parameters hence we request to change this to "The server shall have dual processor Intel Xeon CPU 16 core 2.6Ghz"	RFQ cum RFP prevails
975.	On premise physical Server Volume III Page No. 227 – Point No. TR 8.234	227	The server shall have 48x DVD/ comb drive	servers wont have 48x DVD/ combo drive hence we request to change this to "The server shall have 8x DVD/ comb drive"	RFQ cum RFP allows Bidders to propose better and latest solution
976.	On premise physical Server Volume III Page No. 227	227	New Clauses on Servers security	Should have a cyber resilient architecture for a hardened server design for protection, detection & recovery from cyber attacks	RFQ cum RFP is clear
977.	On premise physical Server Volume III Page	227	New Clauses on Servers security	Should protect against firmware which executes before the OS boots	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	No. 227				
978.	On premise physical Server Volume III Page No. 227	227	New Clauses on Servers security	Should provide effective protection, reliable detection & rapid recovery using: <ul style="list-style-type: none"> - Silicon-based Hardware Root of Trust - Signed firmware updates - Secure default passwords - Configuration and firmware drift detection - Persistent event logging including user activity - Secure alerting - Automatic BIOS recovery - Rapid OS recovery - System erase 	RFQ cum RFP is clear
979.	On premise physical Server Volume III Page No. 227	227	New Clauses on Servers security	Configuration upgrades should be only with cryptographically signed firmware and software	RFQ cum RFP is clear
980.	On premise physical Server Volume III Page No. 227	227	New Clauses on Servers security	Should provide system lockdown feature to prevent change (or “drift”) in system firmware image(s) & prevent malicious modification of server firmware.	RFQ cum RFP is clear
981.	On premise physical Server Volume III Page No. 227	227	New Clauses on Servers security	Should maintain repository for firmware and should be able to rollback, if required.	RFQ cum RFP is clear
982.	On premise physical Server Volume III Page No. 227	227	New Clauses on Servers security	Intrusion alert in case chassis cover being opened	RFQ cum RFP is clear
983.	On premise physical Server Volume III Page	227	New Clauses on Servers security	Windows server 2016 Standard Edition with downgrade rights to 2012R2 Std	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	No. 227				
984.	On premise physical Server Volume III Page No. 227	227	New Clauses on Servers security	7 years On-site comprehensive warranty with 24x7x365 remote hardware support. Post installation, 7-year product warranty should reflect in the support web site of the OEM.	RFQ cum RFP is clear
985.			SIEM has been mentioned multiple times but SIEM specs are missing	Kindly add SIEM SPECS	RFQ cum RFP is clear
986.	Ethernet Switch-Layer2 Type-1 Industrial Grade SwitchTR 1.222	54	The industrial grade switch installed at the field shall have at least (8) 1000Base TX ports with two 1G fibre port scalable up to 10G in future for backhaul (uplink) Connectivity. The POE/POE+ feature may also be provided via industrial grade POE/POE+ injector for these switches.	The industrial grade switch installed at the field shall have at least (8) 1000Base TX ports with two 1G fibre port for backhaul (uplink) Connectivity. The POE/POE+ feature may also be provided via industrial grade POE/POE+ injector for these switches. So kindly remove Scalable up to 10G in Future.	RFQ cum RFP prevails
987.	TR-8, TR 8.6	211	Firewall must support atleast 5 million concurrent sessions.	Firewall must support atleast 50 million concurrent sessions.	RFQ cum RFP prevails
988.	TR-8, TR 8.9	211	Firewall must support atleast 1000 VLANs	Firewall must support atleast 500 VLANs	RFQ cum RFP prevails
989.	TR-8, TR 8.36	212	Firewall must support IPv4 and IPv6 static routing, OSPF v2 and v3, PBR, PBR for BGP v4 & v6, IGMP v2 & v3	Firewall must support IPv4 and IPv6 static routing, OSPF v2 and v3, BGP , IGMP v2 & v3	As per Bidder's solution
990.	TR-8, TR 8.42	212	The solution should be able to orchestrate with Open Stack	Please delete this clause.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
991.	Vol III - 2.2.4	Vol III- Page 80	Benefits to Intevstors/ Citizens	Since more than 90% of the traffic is going to be from outside world, the Portals/Applications become unavailable as soon as the link goes down. The provision should be made to allow access of portal through multiple links in active-active mode. Also, to ensure that outbound traffic can be routed through multiple Internet Links in High Availability making sure to utilize the entire bandwidth and ensuring reliability at the same time, the provision of a Link Load Balancer should be made. Hence, we recommend to add the Link Load Balancer Specifications in the Technical Specifications as "The Link Load balancer must be proposed in High Availability using standard VRRP, which should be purpose-built, multi-tenant hardware capable of network function virtualization and to install and run third party and open source softwares on the same appliance from Day 1. The Appliance should have a minimum of 4x10GE SFP+. For high performance, the LLB should have 2 TB storage and 64GB RAM. The LLB should support minimum 10 Internet/MPLS links and load balance based on: 1. Round Robin 2. Weighted Round Robin 3. Bandwidth 4. Dynamic proximity. The LLB should also support advanced DNS functions	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				such as handling complete Full DNS bind records including A,MX, AAAA, CNAME, PTR, SOA etc. from Day 1 with support for High availability (using RFC 2338 - Standard VRRP). The LLB and SLB should be from the same OEM for seamless integration and not the part of a Firewall/UTM."	
992.			TR 3.1 The camera shall comply with the latest release of Open Network Video Interface Forum (ONVIF) standards	The camera shall comply with the latest release of Open Network Video Interface Forum (ONVIF) standards, ONVIF profile S, G and T	RFQ cum RFP prevails
993.			TR 3.6 The camera shall be capable to produce minimum 15 frames per second (fps)	The camera shall be capable to produce minimum 25 frames per second (fps) in all the streams.	RFQ cum RFP prevails
994.			TR 3.12 All cameras shall support onboard realtime video analytics	All cameras shall support onboard realtime video analytics: tampering detection, audio detection, line crossing detection, counting, abandoned object, missing object.	RFQ cum RFP prevails
995.			TR 3.14 The camera shall support upto 2 video profiles as a minimum, each providing independent configuration of bit rate, frame rate and resolution.	The camera shall support upto 4 video profiles at H.265 as a minimum simultaneously 2 full HD streams and two VGA streams at 25 fps simultaneously.	RFQ cum RFP prevails
996.			TR 3.16 All cameras shall have integral in-built adaptive IR technology. For fixed	All cameras shall have integral in-built adaptive IR technology. For fixed cameras, the IR shall support a range of atleast 50 m and for PTZ it	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			cameras, the IR shall support a range of atleast 50 m and for PTZ it shall support a range of atleast 100 m moving with zoom (adaptive)	shall support a range of atleast 200 m moving with zoom (adaptive)	
997.			TR 3.18 Lens of 6mm to 129mm with minimum 30X optical and 12X digital zoom	Lens of 4.3mm to 129mm with minimum 30X optical and 12X digital zoom, P-Iris	30X optical zoom is required. RFQ cum RFP states minimum requirement and Bidder shall propose minimum focal length as part of the solution to meet maximum focal length requirement as per specified criteria.
998.			TR 3.19 There shall be a minimum of 100 assignable automatic preset positions	There shall be a minimum of 256 assignable automatic preset positions	RFQ cum RFP prevails
999.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference, IIT-MSI-RFQ Active Electronics / Ethernet Switches And Routers, Type I - Industrial Grade Field Switch	Page Number 54, TR 1.222	The Industrial Grade Switch installed at the field shall have at least eight (8) 1000BaseTX ports with two 1 G fibre ports scalable up to 10G in future for backhaul (uplink) connectivity. The PoE/PoE+ feature may also be provided via industrial grade PoE/PoE+ injectors for these switches.	Generally, Edge / field level where camera and other PoE devices will be connected to Switch on copper PoE Ports, will be on 100BaseTx. The RFP already states the requirement of 1000BaseTx and further Field Level switch is connected to distribution switch to form ring on 1G fiber. As a general practice in all surveillance project across industry as well in Smart city field level switch (edge level) is with 1G Uplink ports, hence we request to amend the clause as 1G uplink.	RFQ cum RFP prevails
1000.	Volume 3, TR-3, TR3.18	Page 76	Camera shall support tilt of 100° either side	As a general motor mechanism the tilt range on motor is 180°, hence it	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				is requested to kindly change the tilt range to maximum 190° with auto flip, or 95° either side with auto flip. Also the motive of the camera is to view vehicles below the horizon, and not beyond, hence this specification may not be able to enhance the performance, though will restrict many OEM's to participate.	
1001.	Volume 3, TR-3, TR3.89	Page 79	The cameras shall have a Mean Time Between Failure(MTBF) of at least 100,000 hours	This figure is unrealistic which converges to 12 years,the expectancy from the tender appears to be around 5 years after stabilization period, also from our experience in many projects the maximum MTBF required is about 50,000hours, kindly change the same to 50,000 hours.	RFQ cum RFP prevails
1002.	Volume I	-	General	Please provide PAN Number of DMIC as the same is required for issuing the Bank Guarantee by Bank.	AADC15152K
1003.	Volume I, Section 2	24	5.5. (ii) 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 RFQ cum RFP;	We understand that self undertaking on OEM letter head is sufficient to suffice this clause.	RFQ cum RFP is clear
1004.	Volume I, Section 2	24	5.5. (iii) All the OEMs should have authorized presence in India either directly or through channel partner(s) as on the date of release of RFQ cum RFP;	We understand that self undertaking on OEM letter head is sufficient to suffice this clause.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1005.	Volume I, Section 2	36	Earnest Money Deposit/Bid Security (c) The EMD submitted along with the Proposal will remain valid for a period of 45 days beyond validity period of the Proposal, including any extensions thereof	EMD being submitted in form of Bank Guarantee needs to be valid for 225 days from the date of submission of bid against RFQ cum RFP. Kindly clarify.	RFQ cum RFP is clear
1006.	Volume I, Section 2	46	1.4 (b) Minimum qualifying technical score: 75	With reference to RFQ cum RFP MSI scope defined, it is requested to kindly consider revision in minimum qualifying technical score to: 70	RFQ cum RFP prevails
1007.	Volume I, Section 2	48	4. The Bidder (Partner in Charge in case of consortium) shall setup and maintain a temporary office on site within Thirty (30) days of signing of Contract.	1. We understand that if bidder is having office in Noida/Gr Noida then such office shall be sufficient to suffice this clause. Please confirm. 2. If such temporary office on site to be maintained then please confirm the period of operation for such site office. 3. If such temporary office on site to be maintained then please confirm that space shall be given by DMIC free of cost to MSI during the validity of contract. However, MSI shall be responsible for maintaining such office.	RFQ cum RFP is clear
1008.	Volume I, Section 2	49	6. The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to	We request to amend the clause as follows: The Bidder (any member in case of consortium) shall have successfully commissioned <u>(more than 80%)/</u>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			implementation of campus wide / city-wide Fibre Optic Infrastructure including at least 100 km or comprising of 75 switches/routers in an outdoor environment (not inside buildings) per project having a minimum value of INR 5 crores per project during last seven (7) years as of RFQ cum RFP publish date.	Go-Live at least two (2) projects related to implementation of campus wide / city-wide/ <u>State-Wide</u> Fibre Optic Infrastructure including at least 100 km or comprising of 75 switches/routers/ <u>CPE</u> in an outdoor environment (not inside buildings)/ <u>Government Building</u> per project having a minimum value of INR 5 crores per project during last seven (7) years as of RFQ cum RFP publish date.	
1009.	Volume I, Section 2	49	49. The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation and support of software applications including modules like Finance, Human Resource and Payroll, Utility Billing, Asset Management, Mobile Applications, Citizen Service Portal, Grievance Redressal, Building Plan Approval System, File Management System/Document Management System (At least Three out of Nine). having a minimum value of INR 3 crores per project during last seven (7) years	We request to amend the clause as follows: 49. The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects <u>in INDIA/GLOBALLY</u> related to implementation and support of software applications including modules like Finance, Human Resource and Payroll, Utility Billing, Asset Management, Mobile Applications, Citizen Service Portal, Grievance Redressal, Building Plan Approval System, File Management System/Document Management System (At least Three out of Nine). having a minimum value of INR 3 crores per project during last seven (7) years as of RFQ cum RFP publish date.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			as of RFQ cum RFP publish date.		
1010.	Volume I, Section 2	50	5.4 Sub-Contractors: Sub-contracting is allowed only till 30% value of the financial proposal quoted by the Bidder. Work orders raised by the Bidder to the Sub- Contractor shall be submitted to the Client for verification that sub-contracting value does not exceed 30%.	The RFQ cum RFP calls for various subcontracting functions from OEM's whose technologies / components are being proposed to be integrated towards offering services as per scope defined. Hence 30% value limitation needs to be revised / amended to be only applicable towards non-electronic hardware / software & its services but limited to only CIVIL work i.e. Trenching, Laying, Ducting, Splicing, Inside building conducting, refilling, fittings etc. only. Please clarify and Kindly confirm	RFQ cum RFP prevails
1011.	Volume I, Section 2	51	The Bidder must submit One (1) Original and One (1) copy of following submissions physically: (a) Duly sealed envelopes for the EMD in its format; (b) Duly sealed envelopes for the PoA in its format; (c) Duly sealed envelopes for the Joint Bidding Agreement in its format; (d) Duly sealed envelopes for the Blacklisting Certificate in its format; (e) Duly sealed envelopes for the Non-Disclosure Declaration in its format.	We understand that only documents (as mentioned in Clause 23.4, Page 51) shall be submitted offline in single envelop. Please confirm.	RFQ cum RFP is clear
1012.	Volume I, Section 2	52	1.2 The Bidder (any member in case of	We request to amend the clause as follows:	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation of campus wide / city-wide Fibre Optic Infrastructure including at least 100 km or comprising of 75 switches/routers in an outdoor environment (not inside buildings) per project having a minimum value of INR 5 crores per project during last seven (7) years as of RFQ cum RFP publish date.	The Bidder (any member in case of consortium) shall have successfully commissioned <u>(more than 80%)/</u> Go-Live at least two (2) projects related to implementation of campus wide / city-wide/ <u>STATE-WIDE</u> Fibre Optic Infrastructure including at least 100 km or comprising of 75 switches/routers/ <u>CPE</u> in an outdoor environment (not inside buildings)/ <u>Government Building</u> per project having a minimum value of INR 5 crores per project during last seven (7) years as of RFQ cum RFP publish date.	
1013.	Volume I, Section 2	52	1.3 The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation and support of software applications including modules like Finance, Human Resource and Payroll, Utility Billing, Asset Management, Mobile Applications, Citizen Service Portal, Grievance Redressal, Building Plan Approval System, File Management System/Document Management System (At	We request to amend the clause as follows: The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects <u>in INDIA/GLOBALLY</u> related to implementation and support of software applications including modules like Finance, Human Resource and Payroll, Utility Billing, Asset Management, Mobile Applications, Citizen Service Portal, Grievance Redressal, Building Plan Approval System, File Management System/Document Management System (At least Three out of Nine). having a minimum value of INR 3 crores per project during last seven	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			least Three out of Nine). having a minimum value of INR 3 crores per project during last seven (7) years as of RFQ cum RFP publish date.	(7) years as of RFQ cum RFP publish date.	
1014.	Volume I, Section 2	55	3 Key Experts (Not to be evaluated during Bidding Stage but are required for the Project)	We understand that only 1 CV to be submitted in bid for each position.. Otheriwse please confirm the no of CV's to be submitted in bid for each position.	RFQ cum RFP is clear
1015.	Volume I, Section 2	57	4 Other staff requirement (minimum) Required on-site (not evaluated but shall be approved by Client)	We understand that only 1 CV to be submitted in bid for each position.. Otheriwse please confirm the no of CV's to be submitted in bid for each position.	RFQ cum RFP is clear
1016.	Volume I, Section 2	57	O&M Support Staff (to be full time available 24x7 during the entire O&M phase; Bidder may consider additional staff to cater the requirement of 24X7 availability)	Please confirm the minimum number of staff to be considered in bid for each position.	RFQ cum RFP is clear
1017.	Volume I, Section 3	65, 66	APPENDIX 3: FORMAT OF THE EMD/BID SECURITY 4. This Guarantee shall be irrevocable and remain in full force for a period of 180 (one hundred and eighty) days from the Proposal Due Date and a further claim period of thirty (30) days or for such extended period as may be mutually agreed between	The clause 4 of Format of EMD/ Bid Security is in contrast to Page no. 36 wherein it is mentioned that EMD shall remain valid for a period of 45 days beyond proposal validity date. Please clarify EMD / BID Security validity period. Kindly confirm.	Refer to Corrigendum

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			the Client and the Bidder, and agreed to by the Bank, and shall continue to be enforceable until all amounts under this Guarantee have been paid.		
1018.	Volume I, Section 3	79	Optical Fibre Cable - Eligibility Criterion Project shall comprise of OFC length of at least 100 km or shall comprise of implementation of 75 switches/routers in an outdoor environment (not inside buildings) per project.	Since the mentioned criterion of eligibility pertains to Optical Fibre Cable - hence the following is requested to be deleted "or shall comprise of implementation of 75 switches/routers in an outdoor environment (not inside buildings) per project." Please consider and Kindly confirm	RFQ cum RFP prevails
1019.	Volume I, Section 3	82	Appendix 9 : Financial Qualification of the bidder Note 3 : Income tax returns for the three financial years (FY 2016-17, 2017-18 and 2018-19) shall also be provided.	Since already Financial Audited Statements from Chartered Accountant or Statutory Auditor are being provided. Hence submission of last 3 years Income Tax Returns may please be deleted. Kindly consider and confirm, please.	RFQ cum RFP prevails
1020.	Volume I, Section 3	93	Optical Fibre Cable - Evaluation Criteria (Project Experience) Project shall comprise of OFC length of at least 100 km or shall comprise of implementation of 75 switches/routers in an outdoor environment (not inside buildings) per project.	Since the mentioned criteria of evaluation pertains to Optical Fibre Cable - hence the following is requested to be deleted "or shall comprise of implementation of 75 switches/routers in an outdoor environment (not inside buildings) per project." Please consider and Kindly confirm	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1021.	Volume I, Section 4	110	1.3 Grand Summary Cost Table : Price (INR)	Please confirm whether we need to fill the total price including GST or basic price only.	RFQ cum RFP is clear
1022.	Volume I, Section 4	111	1.4 Supply and Installation Cost Summary Table : Supply & Installation Prices : Locally supplied items	Please confirm whether we need to fill the total price including GST (as per last column of Table 1.6) or basic price only.	RFQ cum RFP is clear
1023.	Volume I, Section 4	111	1.4 Supply and Installation Cost Summary Table : Supply & Installation Prices : Items supplied from outside the Client's Country	We understand that imported items are not allowed as per Make in India policy. Kindly amend the table accordingly.	RFQ cum RFP prevails
1024.	Volume I, Section 4	113	1.5 Recurrent Cost Summary Table : INR Price	Please confirm whether we need to fill the total price including GST (as per last column of Table 1.7) or basic price only.	RFQ cum RFP is clear
1025.	Volume I, Section 4	128	1.7 Recurrent Cost Sub-Table 2 YEAR 1 (INR)	Please confirm whether we need to fill the total price including GST or basic price for respective year (s).	RFQ cum RFP is clear
1026.	Volume I, Section 4	128	1.7 Recurrent Cost Sub-Table 2 HDPE DUCT 1.1	Please confirm if cost of HDPE duct to given for all 5 years in a consolidated single unit value or needs to be given for each year as per line item required unit value. Kindly clarify	RFQ cum RFP is clear
1027.	Volume I, Section 4	128	1.7 Recurrent Cost Sub-Table 2 1.3.3 - 12 Count FOC	Please confirm if cost of 12 Count FOC to given for all 5 years in a consolidated single unit value or needs to be given for each year as per line item required unit value. Kindly clarify	RFQ cum RFP is clear
1028.	Volume II, Section 2	38	37. Taxes & Duties 37.5 On signing of the contract, MSI shall also	1. Please inform the applicable stamp duty on such contract.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			pay for the stamp duty as per Uttar Pradesh Stamp Act and Rules.	2. Please confirm whether such duty is % of L-1 contact value. If Yes then confirm the %. 3. Please confirm under which line item, bidder shall consider this cost?	
1029.	Volume II, Section 2	38	37. Taxes & Duties 37.5 On signing of the contract, MSI shall also pay for the stamp duty as per Uttar Pradesh Stamp Act and Rules.	The contract for MSI scope is being awarded by the IITGNL, hence it is requested to kindly bear the cost of such stamp duty by IITGNL. Kindly consider and confirm.	RFQ cum RFP prevails
1030.	Volume II, Section 2	74	GCC 25.1 (c) The MSI shall obtain Third-Party Liability Insurance in the amount of INR 10 crores. The Insurance shall cover the entire Contract Period	The insurance cost for Rs 10 crores valid for entire contract period covering Third Party Liability will be huge burden on the MSI. It is therefore requested for kindly bear the cost of such insurance and reimburse the same to the MSI on annual basis till the end of the contract period. Please consider	RFQ cum RFP prevails
1031.	Volume II, Section 2	74	GCC 25.1(e) iii. Insurance for AMC Phase: Insurance against loss of damage to (a) the systems that have been accepted by the Client (b) any documents (software of the IT systems) prepared by the MSI in the performance of the Services with a minimum coverage of two times the value of the contract; and	The insurance cost for entire contract period covering AMC will be huge burden on the MSI. It is therefore requested for kindly bear the cost of such insurance and reimburse the same to the MSI on annual basis till the end of the contract period. Please consider	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			iv. Any other insurance as required for the Project		
1032.	Volume II, Section 2	74	GCC 39(c)(i) The Performance Security shall be denominated in the currency of the contract for an amount equal to 10 percent of the Contract Price inclusive of applicable GST.	It is requested to kindly consider 10% Performance Security on total contract basic price only. Kindly consider & confirm	RFQ cum RFP prevails
1033.	Volume III, Section 2	16	FR 1.14 All HDPE ducts shall be colour coded as per EIA/TIA 598 standard	Please note the EIA/TIA 598 standard is color coding standard for Cable color coding. It is requested to kindly consider BIS 9938 specification for HDPE duct color coding as per TEC GR. TEC/GR/TX/CDS-008/03/MAR-11 (with latest amendments, if any) to ensure standard good quality HDPE duct supplies. Kindly consider and confirm, please.	RFQ cum RFP prevails
1034.	Volume III, Section 2	16	FR 1.17 The duct shall have in-built crush and rodent protection chemical at outer sheath of every duct.	HDPE duct to be supplied as per TEC GR. TEC/GR/TX/CDS-008/03/MAR-11 (with latest amendments, if any). However please note anti rodent protection properties are not required as per TEC GR. Please confirm if anti-rodent properties are required.	RFQ cum RFP prevails
1035.	Volume III, Section 2	21	TR 1.9 - Minimum Bending Diameter shall be at least 15 times of outer diameter (OD) of the duct or as per standard manufacturer recommendations	As per TEC GR HDPE duct 40mm should have minimum 25xOD bending diameter. Please confirm.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1036.	Volume III, Section 2	21	TR 1.11 - In the HDPE Duct, the coextruded inner layer of solid permanent lubricant shall be integral part with HDPE and white in colour, clearly visible in cross section of duct. The inner lubricant material shall be of friction reducing, polymeric material & should be min. 10% of wall thickness	As per TEC GR. TEC/GR/TX/CDS-008/03/MAR-11 specification inner lubricant material shall be minimum between 0.28mm - 0.42mm Kindly confirm.	RFQ cum RFP prevails
1037.	Volume III, Section 2	21	TR 1.12 The coil shall be at least 500 meters in length. During supply, Coil shall be covered with suitable rapping material to avoid the physical and printing damages	Normally 500 mtrs coil length are supplied for HDPE Duct 40mm & 50 mtrs coil length are supplied for 110mm. Kindly confirm	RFQ cum RFP prevails
1038.	Volume III, Section 2	24	TR 1.51 Factory Testing Requirements - The following tests shall be carried out during Factory Acceptance Testing (FAT): Optical Fibre Cable Blowing Test	The following test is not a part of standard FAT procedure adopted by all reputed standard manufacturer's of HDPE duct and is requested to be deleted as a part of FAT - Optical Fibre Cable Blowing Test. However HDPE manufacturer Type Test Report for Optical Fibre Cable Blowing Test shall be provided.	RFQ cum RFP prevails
1039.	Volume III, Section 2	25	TR 1.59 - All 110 mm HDPE ducts shall be of black or grey colour.	As per BIS 4984 specifications for 110mm HDPE duct - the standard color is Black with Blue stripes. Kindly accept and confirm.	RFQ cum RFP prevails
1040.	Volume III, Section 2	25	TR 1.62 - The wall thickness of 110 mm	Wall Thickness as per applicable BIS 4984 specifications to be	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			HDPE duct shall be min. 5.3 mm to max. 6.0 mm as a minimum	considered. Kindly consider and confirm.	
1041.	Volume III, TR 9.197	253	The contact center solution shall be able to route voice/VOIP calls from centralized interactive voice response system (IVRS) to respective call centre(s) along with interaction history of the calling party.	How many call centres will be part of scope?	One (1) Call Centre
1042.			General	What are the average number of calls expected in a calendar day to arrive the hardware server sizing?	RFQ cum RFP is clear
1043.	Volume III, TR 9.222		Contact centre shall come with appropriate server (to be hosted on cloud)	1.As the contact center needs to be hosted on cloud, how the PRI gateway needs to be connected to server. 2.Will DMIC provide the required MPLS connectivity.	As per Bidder's solution. RFQ cum RFP is clear
1044.			General	We understand the required voice prompts for IVR system will be provided by DMIC. Kindly confirm if our understanding is correct.	RFQ cum RFP is clear
1045.			General	What will be the max. number of PRI lines connected to the call center solution?	RFQ cum RFP is clear
1046.	Volume III, TR 9.223		It shall have provision for at least 75 IP phone extensions expandable to 150 extensions. 75 IP phones shall be supplied as part of the system for DMIC IITGNL employees.	Is this IP-PBX requirement part of contact center solution or it is individual IP-PBX requirement for DMIC IITGNL employees?	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1047.	Volume III On premise storage TR 8.248	228	The MSI shall provide unified storage for storing the video data for atleast 30 days on-premise server	Please provide backup/archival mechanism for the video & non video data at on-premise location after 30days	RFQ cum RFP is clear
1048.	Volume III On premise storage TR 8.248	228	The MSI shall provide unified storage for storing the video data for atleast 30days on-premise server	Request authorities to provide minimum tech. specs. For secondary storage/tape library to store backup & archival data.	RFQ cum RFP is clear
1049.	Volume III, 3.2.1 fibre	280	MSI shall factor inclusion of various client offices and their locations, bandwidth requirements, security, LAN/WAN, network topology for each of the smart city ICT component during design validation	Does bidder need to provision bandwidth connectivity at CIOC location and connectivity to Cloud DC/DR. Please confirm.	RFQ cum RFP is clear
1050.	Volume III, BR 9.17	234	CIOC shall be scalable to accommodate future growth and support hardware and software additions and upgrades	Request authorities to provide the tentative count of concurrent userbase for CIOC application/Smart city platform accessing from various departments. This would help the bidders to design the hardware sizing (servers,storage etc..) accordingly.	RFQ cum RFP is clear
1051.	Volume III, BR 9.17	234	CIOC shall be scalable to accommodate future growth and support hardware and software additions and upgrades	Please provide the tentative growth percentage of the userbase (for CIOC/Smart city platform) so the proposed IT hardware & software can meet the future requirements.	RFQ cum RFP is clear
1052.	Volume III, BR 8.17	221	For on premise server room, the MSI shall deploy desired physical servers along with applicable hardware like storage,	Please confirm the location of this on-premise server room where surveillance system video & video feeds is stored.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			firewall in the allocated server room		
1053.	Volume III, TR 8.203	225	As per the list (mentioned) security solutions shall be implemented by MSI	Request authorities to clarify if the bidder has to implement all the security solutions, both On Cloud & On Premise as per the list mentioned in the point TR 8.203. Please confirm. If bidder has to provide, please provide minimum tech. specs. Accordingly.	Bidder is responsible for end-to—end security as per RFQ cum RFP for both cloud and on-premises. RFQ cum RFP is clear
1054.	Volume I, 5.1(a)	51	Experience claimed shall be of Sole Bidder or any member of a JV/Consortium only. Subcontracting experience shall not be considered for evaluation process.	Please clarify this is applicable to lead bidder only not related with consortium partner	RFQ cum RFP is clear
1055.			General	Highest quality standards are needed for predictability of timelines and quality deliverables to execute such a large & complex projects. Hence, we request you to consider CMMI Level 5 for evaluation along with ISO 20000:2011 and ISO 27001:2005	RFQ cum RFP prevails
1056.			General	In order to have reputed OEMs who are globally recognized we request you to add below clause. ICCC platform should be listed in Navigant/Gartner hype cycle for proven track record of ICCC.	RFQ cum RFP prevails
1057.			General	In order to have reputed OEMs who have prior experience of working in similar project we request you to add	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				below clause The Proposed ICCC Platform should have been implemented in at least 2 smart cities in India out of which one should be in operation for more than 1 year. Additionally the same platform should have been implemented to 5 client (for any government organization/PSU) in India or globally.	
1058.	Vol 1, Technical qualification point no. 2.3	56	Presence of Key Experts – 2 marks;	We request you to dilute this clause as during this pandemic limited travel is allowed alternatively requesting you to kindly allow the Virtual presence of the experts.	RFQ cum RFP prevails
1059.	Vol 1, Technical qualification , Key experts	57	Project Manager – Bachelor of Engineering in Electronics /Electrical /Communications/Telecom munications /IT/ Computer Science degree having more than 10 years of experience - in similar ICT projects and involved in end to end implementation. Must have at least three (3) relevant projects of fibre optic based network deployments or Back office Systems (ERP) implementation.	We understand that DMIC intends to select the right resource for all the roles in the project especially the critical ones. Since the roles are asking for 10 years of experience in similar projects, we believe that the same should suffice to prove the merit of those resources in handling such critical roles. The addition of their graduation/post graduation is an added parameter to evaluate the profiles ability to handle the concerned role even better. We believe that apart from an engineer in relevant stream, any graduate/post graduate who has similar degree should also be considered. We thus request you to also include BCA/MCA/Bachelor in	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				Computer Science/Equivalent for the educational qualification evaluation.	
1060.	Vol 1, Technical qualification, Key experts	57	Solution Architect 1 – Bachelor in Engineering having more than 8 years of experience in designing, implementing and integrating various Back Office Systems or ERP modules like finance, asset management, inventory management, utility billing and maintenance, HR & Payroll etc. Must have at least three (3) relevant projects (Back office system or ERP)	We understand that DMIIC intends to select the right resource for all the roles in the project especially the critical ones. Since the roles are asking for 8 years of experience in similar projects, we believe that the same should suffice to prove the merit of those resources in handling such critical roles. The addition of their graduation/post graduation is an added parameter to evaluate the profiles ability to handle the concerned role even better. We believe that apart from an engineer in relevant stream, any graduate/post graduate who has similar degree should also be considered. We thus request you to also include BCA/MCA/Bachelor in Engineering/Equivalent for the educational qualification evaluation.	RFQ cum RFP prevails
1061.	Vol 1, Technical qualification , Key experts	57	Solution Architect 2 – Bachelor inEngineering having more than 8years of experience in designing,implementing and integrating various Customer facing Systems or eGovernance applications likegrievance redressal system, Citizen Portal, Mobile Applications, KPIs andDashboards etc. Must have at least three	We understand that DMIIC intends to select the right resource for all the roles in the project especially the critical ones. Since the roles are asking for 8 years of experience in similar projects, we believe that the same should suffice to prove the merit of those resources in handling such critical roles. The addition of their graduation/post graduation is an added parameter to evaluate the profiles ability to handle the concerned role even better. We	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			(3) relevant projects (Customer Facing Applications or eGovernance).	believe that apart from an engineer in relevant stream, any graduate/post graduate who has similar degree should also be considered. We thus request you to also include BCA/MCA/Bachelor in Engineering/Equivalent for the educational qualification evaluation.	
1062.	Vol 1, Technical qualification , Key experts	57	Network Architect – Bachelor of Engineering Electronics /Electrical/IT degree having more than 8 years of experience in fibre based network design and implementation of active infrastructure. Must have at least three (3) relevant projects (switching/routing for outdoor networks).	We understand that DMIIC intends to select the right resource for all the roles in the project especially the critical ones. Since the roles are asking for 8 years of experience in similar projects, we believe that the same should suffice to prove the merit of those resources in handling such critical roles. The addition of their graduation/post graduation is an added parameter to evaluate the profiles ability to handle the concerned role even better. We believe that apart from an engineer in relevant stream, any graduate/post graduate who has similar degree should also be considered. We thus request you to also include BCA/MCA/Bachelor in Engineering/Equivalent for the educational qualification evaluation.	RFQ cum RFP prevails
1063.	Vol 1, Technical qualification , Key experts	58	Cloud Architect – Bachelor in IT/CS or Engineering having more than 8 years of experience implementing and managing Cloud Infrastructure. Must have	We understand that DMIIC intends to select the right resource for all the roles in the project especially the critical ones. Since the roles are asking for 8 years of experience in similar projects, we believe that the same should suffice to prove the	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP		Clarification sought	Reply
			at least two (2) relevant projects.		merit of those resources in handling such critical roles. The addition of their graduation/post graduation is an added parameter to evaluate the profiles ability to handle the concerned role even better. We believe that apart from an engineer in relevant stream, any graduate/post graduate who has similar degree should also be considered. We thus request you to also include BCA/MCA/Bachelor in Engineering/Equivalent for the educational qualification evaluation.	
1064.	Vol 1, Technical Qualification ,	58 and 59	Other staff requirement (minimum) Required on-site (not evaluated but shall be approved by Client) and O&M Support Staff		As per our understanding CVs of only key experts have to be submitted along with proposal. CVs of other staff and O&M support is not required. Kindly confirm	RFQ cum RFP prevails
1065.	Vol 2, 3.1.4	289	MSI shall be responsible to provide ICT enabled energy meter (minimum 25) for measuring electricity consumption.		We request you to kindly elaborate on this. If the bidder has to provide this as part of the deliverables, kindly provide the specifications.	RFQ cum RFP prevails
1066.		General	General		Security, Housekeeping staff and utilities payment of the command and control center building shall be borne by the client. Kindly confirm if our understanding is correct.	RFQ cum RFP prevails
1067.	Volume 2, GCC 40.1	75	I. Supply and Installation Cost (SIC)	Milestone / Activity / Deliverables	Payment (% of Contract Price: C)	RFQ cum RFP prevails
					This project includes lots of hardware components and optical fibre laying where MSI has to make the advance payments. Hence requesting you to kindly amend the payment terms as below	

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP		Clarification sought	Reply
			Mobilization advance against submission of 110% Additional Bank Guarantee (BG) of the amount of mobilization advance*	10% of C	<ul style="list-style-type: none"> Milestone/Activity/ Deliverable Payment (% of contract Price: C Mobilization advance against submission of 110% Additional Bank Guarantee (BG) of the amount of mobilization advance* - 10% of C Supply of equipment at site for the phase 1 and phase 2 - 10 % of C Supply of equipment at site for the phase 3 and phase 4 - 10 % of C 	
			Supply of Equipment at site for Phase 1 and Phase 2	5% of C	<ul style="list-style-type: none"> Approval of Detailed Project Report (ADPR) - 10% of C Go-Live and Operational Acceptance of Phase 1 - 5 % of C 	
			Supply of Equipment at site for Phase 3 and Phase 4	5% of C	<ul style="list-style-type: none"> Go-Live and Operational Acceptance of Phase 2 - 5 % of C Go-Live and Operational Acceptance of Phase 3 - 5 % of C 	
			Approval of Detailed Project Report (DPR)	5% of C	<ul style="list-style-type: none"> Go-Live and Operational Acceptance of Phase 4 - 5 % of C 	
			Go-Live and Operational	10%	<ul style="list-style-type: none"> End to end Go-Live with any bug fixing over three months post implementation of Phase 4 (Operational acceptance of the project) -10 % of C 	

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP		Clarification sought	Reply
			Acceptance of Phase 1		<ul style="list-style-type: none"> Total payment for supply and Installation - 70% of Contract price 	
			Go-Live and Operational Acceptance of Phase 2	10%		
			Go-Live and Operational Acceptance of Phase 3	10%		
			Go-Live and Operational Acceptance of Phase 4	5%		
			End to end Go-Live with any bug fixing over three months post implementation of Phase 4 (Operation	10%		

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP		Clarification sought	Reply
			al Acceptanc e of the Project)			
			Total Payment for Supply and Installatio n	70% of Contract Price		
1068.	Wi-Fi Controller - FR 2.20	Vol III - Page No. 73	The controller shall have inbuilt wireless intrusion protection capabilities.		Request to Change this Clause : The controller shall have inbuilt wireless intrusion protection or Wireless Intrusion Detection capabilities.	RFQ cum RFP prevails
1069.	Wi-Fi Management System - FR 2.25	Vol III - Page No. 74	Database: The system shall have a centralized database and subscriber management system.		Request to change this clause : Database: The system shall have a centralized database and subscriber management system on Server .	RFQ cum RFP prevails
1070.	ENCRYPTION AND SECURITY - FR 2.42	Vol III - Page No. 74	Wi-Fi network shall have a wireless network content filtering tool for filtering of malicious content on the internet such as pornography sites, rogue sites, torrents etc.		Since every customer have Firewall within networks & Content filtering is job of Firewall. So request you to change this clause . Request to change this clause : Wi-Fi network or Firewall shall have a content filtering tool for filtering of malicious content on the internet such as pornography sites, rogue sites, torrents etc.	RFQ cum RFP prevails
1071.	Access Points -TR 2.5	Vol III - Page No. 75	The Wi-Fi access point shall be supplied with omni-directional antennas as needed to meet the design requirements of the Project. It shall support multiple unique		Multiple Unique Antenna pattern shows for specific tender . So request you to change this clause to allowed more vendors to particiapte in this tender. Request to Change this Clause : The Wi-Fi access point shall be	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			antenna patterns. The antennas shall have antenna gain required to support the coverage requirements of the Project.	supplied with omni-directional antennas as needed to meet the design requirements of the Project. It shall support MIMO. The antennas shall have antenna gain required to support the coverage requirements of the Project.	
1072.	Wi-Fi CONTROLLER- TR 2.29	Page No. 76	The Controller shall support redundancy feature i.e. Active: Active and Active: Standby features. Same licence shall be shared by the controllers.	each WLC has very high scalability and AP has self survivability features which is not depend on WLC so Active standby is good enough. Request to change this Clause: The Controller shall support redundancy feature i.e. Active:Active or Active:Standby features. Same licence shall be shared by the controllers.	RFQ cum RFP prevails
1073.	Wi-Fi CONTROLLER- TR 2.35	Page No. 77	The controller shall have inbuilt wireless intrusion protection capabilities.	WIPS is part of overall solutions. So request you to change this clause as per suggested. Request to Change this Clause : The controller shall have inbuilt wireless intrusion protection or Wireless Intrusion Detection capabilities.	RFQ cum RFP prevails
1074.	Wi-Fi CONTROLLER- TR 2.38	Page No. 77	The controller shall support user load balancing to balance the number of users across multiple APs to optimize AP and user throughput.	Request to Change this clause : The controller shall support user load balancing to balance the number of users across multiple APs or Radio Bands to optimize AP and user throughput.	RFQ cum RFP prevails
1075.	Wi-Fi CONTROLLER- TR 2.39	Page No. 77	The controller shall be capable of managing authentication, encryption, VPN connections, IPv4	Request to Change this Clause : The controller shall be capable of managing authentication, encryption, VPN connections or	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			and IPv6 Layer 3 services.	Tunneling , IPv4 or IPv6 Layer 3 services.	
1076.	Wi-Fi CONTROLLER-TR 2.40	Page No. 77	The controller shall have redundant power supplies to maintain uninterrupted network operations.	Request to Change this Clause : The controller/ Virtual Machine Server shall have redundant power supplies to maintain uninterrupted network operations.	Shall be applicable as per Bidder's proposed solution
1077.	Wi-Fi CONTROLLER-TR 2.42	Page No. 77	The controller shall support two (2) dual-media ports: 2 x 10 Gigabit Ethernet interface or more.	a HW server with VM need to quote meeting said specs. So request you to delete this clause Request to change this clause : The controller shall support two (2) Gigabit Eth ports: 2 x 1000 Mbps Ethernet interface	Shall be applicable as per Bidder's proposed solution
1078.	Wi-Fi CONTROLLER-TR 2.43	Page No. 77	The controller shall meet the following environmental specifications:	a HW server with VM need to quote meeting said specs. So request you to delete this clause or done changes as per suggested . Request to Change this clause : The controller/ Virtual Machine Server shall meet the following environmental specifications:	Shall be applicable as per Bidder's proposed solution
1079.	Wi-Fi MANAGEMENT SYSTEM-TR 2.46	Page No. 77	Wi-Fi management system shall be a centralized system to monitor, analyse, and configure wireless network in automatic fashion. It shall be an authentication and management system for the public Wi- Fi network and shall be installed at CIOC. It shall support plug-and-play environment with zero	a centralised NMS/WLC is required at Command and control Center only. There is no need of putting a duplicate system at POP. It will make system security vunreble and not needed. Request you to delete this clause.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1080.	Wi-Fi MANAGEMENT SYSTEM-TR 2.48	Page No. 77	Database: The system shall have a centralized database and subscriber management system.	Request to change this clause : Database: The system shall have a centralized database and subscriber management system on Server .	RFQ cum RFP prevails
1081.	Wi-Fi MANAGEMENT SYSTEM-TR 2.50	Page No. 77	It shall be integrated with tool for monitoring and managing radio frequency (RF) dynamics within the wireless network, to include the following functions and benefits: • Accurate location information for all wireless users and devices • Up-to-date heat maps and channel maps for RF diagnostics	Request you to change this clause : It shall be integrated with tool for monitoring and managing radio frequency (RF) dynamics within the wireless network, to include the following functions and benefits: • Accurate location information for all wireless users or devices • Up-to-date heat maps or channel maps and RF diagnostics	RFQ cum RFP prevails
1082.	Wi-Fi MANAGEMENT SYSTEM-TR 2.55	Page No. 78	Subscriber services: The system shall provide the users with a self-service portal to enable the new users to register, subscribe, seek information on tariff and billing, update user profile, and make payment through the portal.	3rd party BMS required for Billing. Request you to delete this clause .	RFQ cum RFP prevails
1083.	Vol 2, Para III	Page 79	Special Conditions of Contract Amendments of, and Supplements to, Clauses in the General Conditions of Contract Payment Terms "GCC 40.1 Supply and Installation	"The project has several elements of Supply and I&C." Given the wide scope of project deliverables participation is most likely by a consortium of bidders with each consortium member having a defined scope. "Each consortium member shall be	RFQ cum RFP Prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP		Clarification sought	Reply
			Cost (SIC)"		<p>requiring payment for its Supply after delivering goods at site. The Phase wise payment terms given in the RFP does not provide give this breakup.</p> <p>1) It is suggested to structure the payment schedule distinctively for respective supply elements namely Fiber, Wi Fi, CCTV, IIT software, Public Interactive Kiosk, Environmental sensors, Other In Facility systems, IIT and other common infrastructure, City's Integrated Command centre."</p> <p>2) As the Project is capital intensive it is also suggested to provide minimum 40% payment on Supply ,20% on installation and 10% on Go Live.</p>	
			Milestone / Activity / Deliverables	Payment (% of Contract Price: C)		
			Mobilization advance against submission of 110% Additional Bank Guarantee (BG) of the amount of mobilization advance*	10% of C		
			Supply of Equipment at site for Phase 1 and Phase 2	5% of C		
			Supply of Equipment at site for Phase 3 and Phase 4	5% of C		
			Approval of Detailed Project Report	5% of C		

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP		Clarification sought	Reply
			(DPR)			
			Go-Live and Operational Acceptance of Phase 1	10%		
			Go-Live and Operational Acceptance of Phase 2	10%		
			Go-Live and Operational Acceptance of Phase 3	10%		
			Go-Live and Operational Acceptance of Phase 4	5%		
			End to end Go-Live with any bug fixing over three months	10%		

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP		Clarification sought	Reply
			post implementation of Phase 4 (Operational Acceptance of the Project)			
			Total Payment for Supply and Installation	70% of Contract Price		
1084.	Volume III 2.2.2 - FR-, FR 2.29	Page 74	The Wi-Fi Management System shall integrate with SMS gateway and Whatsapp gateway for sending SMS and OTPs to Wi-Fi users. The SMS gateway and Whatsapp gateway procurement shall be the responsibility of the MSI. SMS gateway that support maximum character length for text Message shall be procured		In order to receive message/OTP on whatsapp, the Wi-Fi system will require whitelisting of Whatsapp service prior to authentication. That means the user will be able to use Whatsapp even before getting authenticated through the Captive portal. Hence, request you to remove the requirement of integrating with Whatsapp gateway. Request to change the clause to "The Wi-Fi Management System shall integrate with SMS gateway for sending SMS and OTPs to Wi-Fi users. The SMS gateway procurement shall be the responsibility of the MSI. SMS gateway that support maximum character length for text Message shall be procured"	RFQ cum RFP Prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1085.	Volume III, 2.2.2 - TR-2, TR 2.8	Page 75	The Wi-Fi access point shall be configurable using a Wireless Management System. The software shall include profile configuration, built-in diagnostic, alignment tools, network mapping, network monitoring and maintenance and highly developed security features	Request you to please clarify what is meant by "alignment tool"? The alignment of the Access Point cannot happen remotely through controller. Hence request to remove this clause and Amend it to "The Wi-Fi access point shall be configurable using a Wireless Management System. The software shall include profile configuration, built-in diagnostic, network mapping, network monitoring and maintenance and highly developed security features"	RFQ cum RFP is clear
1086.	Volume III, 2.2.2 - TR-2, TR 2.50	Page 77	"It shall be integrated with tool for monitoring and managing radio frequency (RF) dynamics within the wireless network, to include the following functions and benefits - - Accurate location information for all the wireless users and devices - Up to date heat maps and channel maps for RF diagnostics - Visual display of errors and alerts"	The location of the clients roaming in a particular area cannot be know through the Access Point. The Wi-Fi solution will only be able to tell to which access point, in which location the client is present. Furthermore, the provisioning of heatmap would require upload of floormaps of each and every location the devices are deployed at. Such specifications are outside the scope of Wi-Fi solution highlighted by TEC GR, and hence violate the PMI Policy of DoT, which directs to include specifications highlighted by Indian bodies like TEC. Hence, request to amen the clause to ""It shall be integrated with tool for monitoring and managing radio frequency (RF) dynamics within the wireless network, to include the following functions and benefits -	RFQ cum RFP Prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				- Channel maps for RF diagnostics - Visual display of errors and alerts"	
1087.	Volume III, 2.2.2 - TR-2, TR 2.57	Page 78	The Wi-Fi Management System shall have the capability to prepare log files of all the websites which are browsed. Log files should be available for particular access points and MAC IDs also. These log trails are required for audit purpose in case of terrorism.	As per the TRAI guidelines, the Wi-Fi solution provider doesnot capture the logs of the user browsing data, and the same is captured by ISP for future reference in case of any dispute or audit. Hence, this should not be in the scope of the Wi-Fi Management System. Therefore, request you to remove this clause.	RFQ cum RFP Prevails
1088.	Volume III, 2.2.2 - TR-2, TR 2.64	Page 78	Wi-Fi Management System shall be hosted on Cloud Solution	The specifications mentioned in the points TR 2.46, TR.2.49, TR 2.50, TR.2.52, TR 2.53, TR 2.54, TR 2.59 are that of Wi-Fi Controller. Hence, most OEM would have to club Wi-Fi Controller and Management system to provide the complete solution. Therefore we request you to kindly provide the option to provide the Wi-Fi Management system with Controller. Request to change the clause to "Wi-Fi Management System shall be hosted on Cloud Solution or with Wi-Fi controller"	Shall be applicable as per Bidder's proposed solution
1089.	TR 1.153	Page 50	General: inner and outer sheath needs to defined	Are the required 6/12/24/48F cables single sheathed or double sheathed? We can offer an economical Single sheath design.	RFQ cum RFP is clear
1090.	Volume 3, CAMERAS WITH BUILT-IN VIDEO ANALYTICS, FR 3.10	Page 83	Event (alarm) Handling: When triggered from an external input or the camera's motion detector, the camera shall be	There are different kinds of Video analytics filtes envisaged in the RFP viz. Motion detection, Abandoned object detection, intrusion detection etc. management of alerts	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			capable of sending JPEG images via e-mail and/or sequences of images to an FTP server or onboard compact flash and local storage.	<p>generated from such events will become a challenge for the overall SI in the absence of a VA platform. This dump of alert data will not be addressed in real time. The absence of severity based filter on alert data, the event handling will become a challenge. Kindly consider the following suggestive clause:</p> <ul style="list-style-type: none"> - Each analytics should allow setting up configuration of multiple detections zones such as lines and regions that can be used to define perimeters, regions of interest. - The configuration user interface should allow adjusting various sensitivity and confidence parameters to adjust each analytics' performance with respect to the physical deployment of the camera. - The system should allow a user to filter and retrieve all the events based on any combination of the following parameters: <ul style="list-style-type: none"> a. Time Filtering - the user should be able to filter all the events through a time range with a start time and end-time. b. Attribute Filtering- The user should be able to filter and retrieve events based on attributes of people, vehicles and other objects such as visible colors, direction of movement and time of stay. 	

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				c. Location Filtering - The user should be able to filter events based on the physical location within the camera by regions or lines drawn or across a selection of cameras.	
1091.	"Ethernet Switch and Router - Layer 3 Volume III Page No. 38 – Point No. TR 1.296"	Page 38	Switch should be supplied with minimum 10 x 40G Fiber ports	Kindly modify clause" Switch should be supplied with minimum 8 x 40G Fiber ports	RFQ cum RFP prevails
1092.	TR-8, TR 8.6	Page 211	Firewall must support atleast 5 million concurrent sessions.	Looking at the throughput of the Firewall of 80 Gbps, the concurrent session should be inline with the firewall throughput. Hence request change. Firewall must support atleast 50 million concurrent sessions.	RFQ cum RFP prevails
1093.	TR-8, TR 8.9	Page 211	Firewall must support atleast 1000 VLANs	Firewall will have maximum 5-10 zones so 1000 numbers of VLANs is absolutely not necessary. Request change. Firewall must support atleast 500 VLANs	RFQ cum RFP prevails
1094.	TR-8, TR 8.36	Page 212	Firewall must support IPv4 and IPv6 static routing, OSPF v2 and v3, PBR, PBR for BGP v4 & v6, IGMP v2 & v3	Request change, as the Firewall will act as a firewall and it will be behind a router which will ensure static and dynamic routing. Firewall must support IPv4 and IPv6 static routing, OSPF v2 and v3, BGP , IGMP v2 & v3	As per Bidder's solution
1095.	TR-8, TR 8.42	Page 212	The solution should be able to orchestrate with Open Stack	This specification for virtual firewall where integration is required with Open Stack in the private cloud. Not required in an Appliance based firewall. Hence request you to delete	As per Bidder's solution

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				this clause. Please delete this clause.	
1096.	Volumell - Standard From of Contract, GCC 40.1	Page 75	<p>"Milestone / Activity / Deliverables Payment % of Contract Price: C)"</p> <p>Mobilization Advance against submission of 110% Addistional Bank Gurantee (BG) of the amount of mobilization advance - 10% of C Supply of Equipment at site for Phase 1 and Phase 2 - 5% of C Supply of Equipment at site for Phase 3 and Phase 4 - 5% of C Approval of Detailed Project Report (DPR) - 5% of C Go-Live and Operational Acceptance of Phase 1 - 10% Go-Live and Operational Acceptance of Phase 2 - 10% Go-Live and Operational Acceptance of Phase 3 - 10% Go-Live and Operational Acceptance of Phase 4 - 5% End to end Go-Live with any bug fixing over three</p>	<p>"We request you to please consider the revised payment terms as due to the existing payments leads to extreemly negative cash flows which is further lead to unnecessary finance cost burden on the project. Therefore, in order to ensure completion of project within the stipulated budget we request for the following change:</p> <p>Mobilization Advance against submission of 110% Addistional Bank Gurantee (BG) of the amount of mobilization advance - 10% of C Supply of Equipment at site for Phase 1 and Phase 2 - 15% of C Supply of Equipment at site for Phase 3 and Phase 4 - 15% of C Approval of Detailed Project Report (DPR) - 5% of C Go-Live and Operational Acceptance of Phase 1 - 6% of C Go-Live and Operational Acceptance of Phase 2 - 6% of C Go-Live and Operational Acceptance of Phase 3 - 6% of C Go-Live and Operational Acceptance of Phase 4 - 2% of C End to end Go-Live with any bug fixing over three months post implementation of Phase 4 (Operational Acceptance of the Project) - 5% of C</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			months post implementation of Phase 4 (Operational Acceptance of the Project) - 10%		
1097.	Volume II, Standard Form of contract.	35	Liability of the MSI	Request that liability should be capped to TCV including indirect liability. Also, infringement of IPR should be included in the overall liability cap.	RFQ cum RFP prevails
1098.	Volume II, Standard Form of contract.		-	Request to kindly include a clause related to pre-existing IPR of the bidder that the any pre-existing IPR of the MSI will remain with them.	RFQ cum RFP prevails
1099.	Volume II, Standard Form of contract.	43	Payment shall be made promptly by the client, but in no case later than 45 days after submission of a valid invoice by MSI	Payment shall be made promptly by the client, but in no case later than 45 days after submission of a valid invoice by MSI	RFQ cum RFP prevails
1100.	Volume II, Standard Form of contract., GCC 40.1	79	Payment Terms	The payment for supply of hardware and software should be as per respective deliveries. As per current payment terms the payment for hardware and software is also being given at Go-live stage. Request you to kindly change the same	RFQ cum RFP prevails
1101.	Volume II, Standard Form of contract., GCC 40.1	79	Payment Terms	Request you to kindly change the CAPEX:OPEX ratio to 75:25	RFQ cum RFP prevails
1102.	Volume II, Standard Form of contract., GCC 57.4	83	Defect Liability period.	Please confirm that the defect liability period is including in the O&M phase and that O&M phase is not after defect liability period is completed	RFQ cum RFP is clear
1103.	RFP Volume 1, Section 5.1(a),	Page 48	The Bidder (any member in case of consortium)	Request you to please change this to:	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	point no 5		shall have successfully commissioned/Go-Live at least two (2) projects related to implementation of Integrated Operations Centre/Command and Control Centre integrating at least two (2) different city/campus-wide sensors / applications out of the following Eight (8) sensors / applications at the Command and Control Centre:	The Bidder (any member in case of consortium) shall have successfully commissioned/Phase Commissioned/Go-Live at least two (2) projects related to implementation of Integrated Operations Centre/Command and Control Centre integrating at least two (2) different city/campus-wide sensors / applications out of the following Eight (8) sensors / applications at the Command and Control Centre:	
1104.	RFP Volume 1, Section 5.1(a), point no 5	Page 48	Sole Bidder/any Member of Consortium: • Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; AND • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead. In case of large orders/orders with operations & maintenance phase, the completion certificate may specify successful commissioning	Reuest you to please chenge this to: Sole Bidder/any Member of Consortium: • Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; OR • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead. In case of large orders/orders with operations & maintenance phase, the completion certificate may specify successful commissioning status of a part of the order meeting the requirement.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			status of a part of the order meeting the requirement.		
1105.	RFP Volume 1, Section 5.1(a), point no 6	Page 49	The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation of campus wide / city-wide Fibre Optic Infrastructure including at least 100 km or comprising of 75 switches/routers in an outdoor environment (not inside buildings) per project having a minimum value of INR 5 crores per project during last seven (7) years as of RFQ cum RFP publish date.	The Bidder (any member in case of consortium) shall have successfully commissioned / Phase Commissioned / Go-Live at least two (2) projects related to implementation of 75 switches/routers in an outdoor environment (not inside buildings) per project having a minimum value of INR 5 crores per project during last seven (7) years as of RFQ cum RFP publish date.	RFQ cum RFP prevails
1106.	RFP Volume 1, Section 5.1(a), point no 6	Page 49	Sole Bidder/any Member of Consortium: • Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; AND • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead. In case of large	Please change this to: Sole Bidder/any Member of Consortium: • Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; OR • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead. In case of large orders/orders with	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			orders/orders with operations & maintenance phase, the completion certificate may specify successful commissioning status of a part of the order meeting the requirement.	operations & maintenance phase, the completion certificate may specify successful commissioning status of a part of the order meeting the requirement.	
1107.	RFP Volume 1, Section 5.1(a), point no 7	Page 49	Sole Bidder/any Member of Consortium: • Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; AND • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead. In case of large orders/orders with operations & maintenance phase, the completion certificate may specify successful commissioning status of a part of the order meeting the requirement.	Sole Bidder/any Member of Consortium: • Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; OR • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead. In case of large orders/orders with operations & maintenance phase, the completion certificate may specify successful commissioning status of a part of the order meeting the requirement.	RFQ cum RFP prevails
1108.	RFP Volume 1, Technical Qualification, point no 1.1	Page 52	The Bidder (any member in case of consortium) shall have successfully commissioned/Go-Live at least two (2) projects related to	The Bidder (any member in case of consortium) shall have successfully commissioned/Phase Commissioned/Go-Live at least two (2) projects related to	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<p>implementation of Integrated Operations Centre/Command and Control Centre integrating at least two (2) different city/campus-wide sensors / applications out of the following Eight</p> <p>(8) sensors / applications at the Command and Control Centre:</p> <ol style="list-style-type: none"> 1. Surveillance; 2. Communication network; 3. Environmental Sensors; 4. Streetlight System; 5. e-Governance / ERP; 6. GIS; 7. Intelligent Traffic Management System; 8. Utilities. <p>"Minimum value shall be INR 10 crores per project during last seven (7) years as of RFQ cum RFP publish date."</p> <p>Number of Projects:</p> <ol style="list-style-type: none"> 1) =2: 10 marks 2) =3: 15 marks 3) >3: 20 marks" 	<p>implementation of Integrated Operations Centre/Command and Control Centre integrating at least two (2) different city/campus-wide sensors / applications out of the following Eight</p> <p>(8) sensors / applications at the Command and Control Centre:</p> <ol style="list-style-type: none"> 1. Surveillance; 2. Communication network; 3. Environmental Sensors; 4. Streetlight System; 5. e-Governance / ERP; 6. GIS; 7. Intelligent Traffic Management System; 8. Utilities. <p>"Minimum value shall be INR 10 crores per project during last seven (7) years as of RFQ cum RFP publish date."</p> <p>Number of Projects:</p> <ol style="list-style-type: none"> 1) =2: 10 marks 2) =3: 15 marks 3) >3: 20 marks" 	
1109.	RFP Volume 1, Technical	Page 52	Sole Bidder/any Member of Consortium:	Sole Bidder/any Member of Consortium:	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Qualification, point no 1.1		<ul style="list-style-type: none"> • Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; AND • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead. In case of large orders/orders with operations & maintenance phase, the completion certificate may specify successful commissioning status of a part of the order meeting the requirement. 	<ul style="list-style-type: none"> • Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; OR • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead. In case of large orders/orders with operations & maintenance phase, the completion certificate may specify successful commissioning status of a part of the order meeting the requirement. 	
1110.	RFP Volume 1, Technical Qualification, point no 1.2	Page 53	The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation of campus wide / city-wide Fibre Optic Infrastructure including at least 100 km or comprising of 75 switches/routers in an outdoor environment (not inside buildings) per project	The Bidder (any member in case of consortium) shall have successfully commissioned /Phase Commissioned// Go-Live at least two (2) projects related to implementation of 75 switches/routers in an outdoor environment (not inside buildings) per project having a minimum value of INR 5 crores per project during last seven (7) years as of RFQ cum RFP publish date.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			having a minimum value of INR 5 crores per project during last seven (7) years as of RFQ cum RFP publish date.		
1111.	RFP Volume 1, Technical Qualification, point no 1.2	Page 53	The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation of campus wide / city-wide Fibre Optic Infrastructure including at least 100 km or comprising of 75 switches/routers in an outdoor environment (not inside buildings) per project having a minimum value of INR 5 crores per project during last seven (7) years as of RFQ cum RFP publish date.	The Bidder (any member in case of consortium) shall have successfully commissioned /Phase Commissioned/ Go-Live at least two (2) projects related to implementation of campus wide / city-wide Fibre Optic Infrastructure including at least 100 km or comprising of 75 switches/routers in an outdoor environment (not inside buildings) per project having a minimum value of INR 5 crores per project during last seven (7) years as of RFQ cum RFP publish date.	RFQ cum RFP prevails
1112.	RFP Volume 1, Technical Qualification, point no 1.2	Page 53	Sole Bidder/any Member of Consortium: • Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; AND • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead.	Sole Bidder/any Member of Consortium: • Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; OR • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead. In case of large orders/orders with operations & maintenance phase,	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			In case of large orders/orders with operations & maintenance phase, the completion certificate may specify successful commissioning status of a part of the order meeting the requirement.	the completion certificate may specify successful commissioning status of a part of the order meeting the requirement.	
1113.	RFP Volume 1, Technical Qualification, point no 1.3	Page 53	Sole Bidder/any Member of Consortium: • Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; AND • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead. In case of large orders/orders with operations & maintenance phase, the completion certificate may specify successful commissioning status of a part of the order meeting the requirement.	Sole Bidder/any Member of Consortium: • Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; OR • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead. In case of large orders/orders with operations & maintenance phase, the completion certificate may specify successful commissioning status of a part of the order meeting the requirement.	RFQ cum RFP prevails
1114.	RFP Volume 1, Technical Qualification, point no 1.4	Page 53	The Bidder or any consortium member shall have successfully commissioned/Go-Live at least two (2) projects	The Bidder or any consortium member shall have successfully commissioned/Phase Commissioned//Go-Live at least two (2) projects related to	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			related to implementation of city wide / campus wide outdoor CCTV surveillance system consisting of at least 50 IP based cameras with integrated Video Management System and recording having a minimum value of INR 2 crores per project during last seven (7) years as of RFQ cum RFP publish date.	implementation / integration of city wide / campus wide outdoor CCTV surveillance system consisting of at least 50 IP based cameras with integrated Video Management System and recording having a minimum value of INR 2 crores per project during last seven (7) years as of RFQ cum RFP publish date.	
1115.	RFP Volume 1, Technical Qualification, point no 1.4		Sole Bidder/any Member of Consortium: <ul style="list-style-type: none"> • Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; AND • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead. In case of large orders/orders with operations & maintenance phase, the completion certificate may specify successful commissioning status of a part of the order meeting the requirement.	Sole Bidder/any Member of Consortium: <ul style="list-style-type: none"> • Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; OR • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead. In case of large orders/orders with operations & maintenance phase, the completion certificate may specify successful commissioning status of a part of the order meeting the requirement.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1116.	Volume -I, Clause No 2 of 5.1(a)	48	The Bidder (sole bidder) shall have an average annual turnover of INR 100 Crores over the last three (3) Financial Years (FY 2016-17, 2017-18 and 2018-19). In case of a Consortium/JV, partner in charge shall meet at least 50% of the total revenue criteria.	We understand that in order to execute the project of such value, intending Bidder should be financially strong as such turnkey projects require initial investments. Hence we request you kindly to amend the clause as below:- The Bidder (sole bidder) shall have an average annual turnover of INR 125 Crores over the last three (3) Financial Years (FY 2016-17, 2017-18 and 2018-19). In case of a Consortium/JV, partner in charge shall meet at least 60% of the total revenue criteria. Additional:- The sole bidder/lead bidder in case of consortium should have average positive net worth of INR 25 Crores over the last three (3) Financial Years (FY 2016-17, 2017-18 and 2018-19).	RFQ cum RFP prevails
1117.	Volume -I, Clause No 5,6, &7 of 5.1(a) and Clause 1.1,1.2,1.3,1.4 of Technical evaluation	49,50,53,54	Documentary Evidence Sole Bidder/any Member of Consortium: • Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; AND • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead.	We request to amend the clause as :- Sole Bidder/any Member of Consortium: • Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; AND • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead. In case of large orders/orders with	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			In case of large orders/orders with operations & maintenance phase, the completion certificate may specify successful commissioning status of a part of the order meeting the requirement.	operations & maintenance phase, the completion certificate may specify successful commissioning status of a part of the order meeting the requirement. In case of International projects where NDA is signed, the Bidder needs to submit on its letter-head the scope of work and value of the contract/order duly signed by its Chartered Accountant/Company Secretary	
1118.	Volume -I, Clause No 5.2	50	JV/Consortium: Bids from JV/Consortium of up to three members are accepted provided the JV/Consortium as a whole meets all the eligibility/qualification criteria. Note: In case of JV/consortium, for any technical qualification criteria, the member bringing the respective credential during the bidding stage will be responsible for executing the respective scope during the tenure of the contract.	We request to amend the clause as :- JV/Consortium: Bids from JV/Consortium of up to three members are accepted provided the JV/Consortium as a whole meets all the eligibility/qualification criteria. Request you to not limit the respective scope of work to the technical criteria as bidder being a global MSI can bring expertise to the table. Request you to delete the below section Note: In case of JV/consortium, for any technical qualification criteria, the member bringing the respective credential during the bidding stage will be responsible for executing the respective scope during the tenure of the contract.	RFQ cum RFP prevails
1119.	Volume 1 Clause 5.a 4. Local Presence	49	The Bidder (Partner in Charge in case of consortium) shall setup	Request you to clarify if office in Noida is fine as distance between Noida and Greater Noida is less	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			and maintain a temporary office on site within Thirty (30) days of signing of Contract.	than 10Km and Project team can easily travel to site location	
1120.	Volume 1 Clause 5.a PQ & TQ 4. Integrated Operation Centre	49, 53	The Bidder (any member in case of consortium) shall have successfully commissioned/Go-Live at least two (2) projects related to implementation of Integrated Operations Centre/Command and Control Centre integrating at least two (2) different city/campus-wide sensors / applications out of the following Eight (8) sensors / applications at the Command and Control Centre: 1. Surveillance; 2. Communication network; 3. Environmental Sensors; 4. Streetlight System; 5. e-Governance / ERP; 6. GIS; 7. Intelligent Traffic Management System; 8. Utilities. Minimum value shall be INR 10 crores per project during last seven (7) years as of RFQ cum RFP publish date.	Request you to confirm if Smart lighting, sensors, Transportation can be considered under utilities for PQ TQ	RFQ cum RFP is clear
1121.	Volume 1 Clause 5.a PQ & TQ 6. OFC	50, 54	The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at	Request you to amend this clause as The Bidder (any member in case of	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			least two (2) projects related to implementation of campus wide / city-wide Fibre Optic Infrastructure including at least 100 km or comprising of 75 switches/routers in an outdoor environment (not inside buildings) per project having a minimum value of INR 5 crores per project during last seven (7) years as of RFQ cum RFP publish date.	consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation of campus wide / city-wide/ Inter state Fibre Optic Infrastructure including at least 100 km or comprising of 75 switches/routers in an outdoor environment (not inside buildings) per project having a minimum value of INR 5 crores per project during last seven (7) years as of RFQ cum RFP publish date.	
1122.	Volume 1 Clause 5.a PQ & TQ 7. Software Application	50, 54	The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation and support of software applications including modules like Finance, Human Resource and Payroll, Utility Billing, Asset Management, Mobile Applications, Citizen Service Portal, Grievance Redressal, Building Plan Approval System, File Management System/Document Management System (At least Three out of Nine). having a minimum value of INR 3 crores per	Request you to modify the clause as The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation and support of software applications including modules like Finance, Human Resource and Payroll, Utility Billing, Asset Management, Mobile Applications, Web Portal, Citizen Service Portal, Grievance Redressal, Building Plan Approval System, File Management System/Document Management System (At least Three out of Ten). having a minimum value of INR 3 crores per project during last seven (7) years as of RFQ cum RFP publish date.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			project during last seven (7) years as of RFQ cum RFP publish date.		
1123.	Volume 2 GCC 40.1 Payment Terms	75		Bank Guarantee for Mobilization advance is always of same value of advance payment. Request you to make it 100% instead of 110% for Mobilization Advance. Also request you to change payment terms as per below mentioned criteria to make project financially viable for the bidder in tough times of Covid 19	RFQ cum RFP prevails
			Milestone / Activity / Deliverables	Payment (% of Contract Price: C)	
			Milestone / Activity / Deliverables	Payment (% of Contract Price: C)	
			Mobilization advance against submission of 110% Additional Bank Guarantee (BG) of the amount of mobilization advance*	10% of C	
			Supply of Equipment at site for Phase 1 and Phase 2	5% of C	
			Supply of Equipment at site for Phase 3	15% of C	

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP		Clarification sought		Reply
			Phase 3 and Phase 4		and Phase 4		
			Approval of Detailed Project Report (DPR)	5% of C	Approval of Detailed Project Report (DPR)	10% of C	
			Go-Live and Operational Acceptance of Phase 1	10%	Go-Live and Operational Acceptance of Phase 1	10%	
			Go-Live and Operational Acceptance of Phase 2	10%	Go-Live and Operational Acceptance of Phase 2	10%	
			Go-Live and Operational Acceptance of Phase 3	10%	Go-Live and Operational Acceptance of Phase 3	5%	
			Go-Live and Operational Acceptance of Phase 4	5%	Go-Live and Operational Acceptance of Phase 4	5%	
			End to end Go-Live with any bug fixing over three months post implementation of Phase 4 (Operational Acceptance of the	10%	End to end Go-Live with any bug fixing over three months post implementation of Phase 4 (Operational Acceptance of the Project)	10%	

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP		Clarification sought		Reply
			Project)				
			Total Payment for Supply and Installation	70% of Contract Price	Total Payment for Supply and Installation	90% of Contract Price	
1124.	Volume III 3.133 Page No 91	91	The ATCC System at any point of time, shall provide a minimum of 5 classification levels viz. 2-wheeler, 3 Wheeler/Auto Rickshaws, Car/ Jeep, LCV, Bus/Truck/MAV at any given point in time.		Car/Jeep and LCVs looks identical so differentiation between LCV and LMV is very difficult in Camera Field of view. As part of other projects Car/Jeep and LCVs falls under LMV (Light Motor Vehicle) category. So we would request you to include Car/Jeep and LCV under single category and amend the clause as: "The ATCC System at any point of time, shall provide a minimum of 4 classification levels viz. 2-wheeler, 3 Wheeler/Auto Rickshaws, LMV(Car/ Jeep, LCV), HMV (Bus/Truck/MAV) at any given point in time."		RFQ cum RFP prevails
1125.	Volume III 3.35 Sensor System Component Page No 96	96	The system shall cover up to minimum 4 lanes.		High resolution (minimum 5MP) sensors are recommended to cover minimum 4 lanes. Hence, we request you to amend the clause as: "The system shall cover up to minimum 4 lanes with 5 MP sensor."		RFQ cum RFP prevails
1126.	Volume 2, Section 18.1.1-Termination by Client for MSI's default	Pg no. 21/22	(iv) If the MSI: (a) has abandoned or repudiated the Contract; (b) has without valid reason failed to commence work on the System promptly; (c) persistently fails to execute the Contract in		(iv) If the MSI: (a) has abandoned or repudiated the Contract; (b) has without valid reason failed to commence work on the System promptly; (c) persistently fails to execute the Contract in accordance with the Contract or persistently neglects to		RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<p>accordance with the Contract or persistently neglects to carry out its obligations under the Contract without just cause;</p> <p>(d) refuses or is unable to provide sufficient Materials, Services, or labour to execute and complete the System in the manner specified in the Agreed and Finalized Project Plan furnished under GCC Clause 46 at rates of progress that give reasonable assurance to the Client that the MSI can attain Operational Acceptance of the System by the Time for Achieving Operational Acceptance as extended;</p> <p>(e) fails to provide sufficient Manpower, Material and Services for maintenance as required for RFQ cum RFP (Service Level Agreement) during the Maintenance Period (including warranty period and post-warranty service period);</p> <p>(f) Penalties specified as per SLAs Service Level Agreement), exceed</p>	<p>carry out its obligations under the Contract without just cause;</p> <p>(d) refuses or is unable to provide sufficient Materials, Services, or labour to execute and complete the System in the manner specified in the Agreed and Finalized Project Plan furnished under GCC Clause 46 at rates of progress that give reasonable assurance to the Client that the MSI can attain Operational Acceptance of the System by the Time for Achieving Operational Acceptance as extended;</p> <p>(e) fails to provide sufficient Manpower, Material and Services for maintenance as required for RFQ cum RFP (Service Level Agreement) during the Maintenance Period (including warranty period and post-warranty service period);</p> <p>(f) Penalties specified as per SLAs Service Level Agreement), exceed twenty percent (20%) of the quarterly payment of Recurrent Cost (OPEX) for that particular quarter specified in RFQ cum RFP Requirements.</p> <p>(v) if the MSI has engaged in corrupt, fraudulent, collusive, coercive, undesirable or restrictive practice in competing for or in executing the Contract, including but not limited to wilful misrepresentation of facts concerning ownership of Intellectual</p>	

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<p>twenty percent (20%) of the quarterly payment of Recurrent Cost (OPEX) for that particular quarter specified in RFQ cum RFP Requirements.</p> <p>(v) if the MSI has engaged in corrupt, fraudulent, collusive, coercive, undesirable or restrictive practice in competing for or in executing the Contract, including but not limited to wilful misrepresentation of facts concerning ownership of Intellectual Property Rights in, or proper authorization and/or licenses from the owner to offer, the hardware, software, or materials provided under this Contract;</p> <p>(vi) if the MSI fails to furnish, renew and/or maintain the Performance Security in accordance with this Contract;</p> <p>(vii) if the MSI assigns or transfers the Contract or its rights and obligations under this Contract without the prior written consent of the Client;</p> <p>(viii) are found to be false and/or misleading; or</p>	<p>Property Rights in, or proper authorization and/or licenses from the owner to offer, the hardware, software, or materials provided under this Contract;</p> <p>(vi) if the MSI fails to furnish, renew and/or maintain the Performance Security in accordance with this Contract;</p> <p>(vii) if the MSI assigns or transfers the Contract or its rights and obligations under this Contract without the prior written consent of the Client;</p> <p>(viii) are found to be false and/or misleading; or</p> <p>(ix) if the MSI is in breach of any Applicable Laws.</p> <p>(x) If MSI fails to rectify any defect, non-rectification of which will have material adverse effect on the Project, within the time specified in the Contract.</p> <p>(xi) If the MSI places itself in position of conflict of interest or fails to disclose promptly any conflict of interest to the Client. If MSI has failed to adhere to any direction, instruction, modification or clarification as issued by the Client during the term of this Contract and which the Client deems proper and necessary for the execution of the scope of work under this Contract.</p>	

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			(ix) if the MSI is in breach of any Applicable Laws. (x) If MSI fails to rectify any defect, non-rectification of which will have material adverse effect on the Project, within the time specified in the Contract. (xi) If the MSI places itself in position of conflict of interest or fails to disclose promptly any conflict of interest to the Client. If MSI has failed to adhere to any direction, instruction, modification or clarification as issued by the Client during the term of this Contract and which the Client deems proper and necessary for the execution of the scope of work under this Contract.		
1127.	Volume 2, Section 18.1.18- Termination for Force Majeure	Page no. 28	If a Force Majeure event affecting any Party subsists for a continuous period of one hundred eighty (180) days, then either Party may issue a notice of termination to the other Party. Upon receipt of this notice, the Parties shall have a period of fifteen (15) days to agree on the manner in which the Contract may be	If a Force Majeure event affecting any Party subsists for a continuous period of 30 (Thirty) days one hundred eighty (180) days , then either Party may issue a notice of termination to the other Party. Upon receipt of this notice, the Parties shall have a period of fifteen (15) days to agree on the manner in which the Contract may be progressed upon cessation of the Force Majeure event and the variations, if any, required to the	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<p>progressed upon cessation of the Force Majeure event and the variations, if any, required to the Contract to address the consequences of the Force Majeure event. If on the expiry of the fifteen (15) day period, the Parties fail to arrive at an agreement, either Party may immediately terminate this Contract by written notice to the other Party. Notwithstanding anything to the contrary in this Contract, in case of occurrence of a Force Majeure event which affects one or more of the Modules but not the entire Contract, the Contract may be partially terminated with respect to the Modules affected by such Force Majeure event. Such partial termination shall not impact the validity of the Contract or the obligations of the MSI with regard to the Modules which are not affected by the Force Majeure event.</p>	<p>Contract to address the consequences of the Force Majeure event. If on the expiry of the fifteen (15) day period, the Parties fail to arrive at an agreement, either Party may immediately terminate this Contract by written notice to the other Party. Notwithstanding anything to the contrary in this Contract, in case of occurrence of a Force Majeure event which affects one or more of the Modules but not the entire Contract, the Contract may be partially terminated with respect to the Modules affected by such Force Majeure event. Such partial termination shall not impact the validity of the Contract or the obligations of the MSI with regard to the Modules which are not affected by the Force Majeure event.</p>	
1128.	Volume 2, Section 18.1.19-Cessation of rights and obligations	Page no. 28	Upon termination of this Contract pursuant to Clause 18, or upon expiration of this Contract	Upon termination of this Contract pursuant to Clause 18, or upon expiration of this Contract pursuant to Clause 12, all rights and	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<p>pursuant to Clause 12, all rights and obligations of the Parties hereunder shall cease, except (i) any cause or action which may have occurred in favour of either Party or any right which is vested in either Party under any provision of the Contract as a result of any act, omission, deed, matter or thing done or omitted to be done by either Party before the expiry or termination of the Contract, (ii) the obligation of confidentiality set forth in Clause 23, (iii) MSIs obligation to permit inspection, copying and auditing of their accounts and records set forth in Clause 26, (iv) the indemnity obligations of the Parties as set out in Clause 19; (v) the obligations in relation to intellectual property rights under Clause 42; and (vi) any right which a Party may have under the Applicable Law.</p>	<p>obligations of the Parties hereunder shall cease, except (i) any cause or action which may have occurred in favour of either Party or any right which is vested in either Party under any provision of the Contract as a result of any act, omission, deed, matter or thing done or omitted to be done by either Party before the expiry or termination of the Contract, (ii) the obligation of confidentiality set forth in Clause 23, (iii) MSIs obligation to permit inspection, copying and auditing of their accounts and records set forth in Clause 26, (iv) the indemnity obligations of the Parties as set out in Clause 19; (v) the obligations in relation to intellectual property rights under Clause 42; and (vi) any right which a Party may have under the Applicable Law.</p>	
1129.	Volume 2, Section 19.1- Indemnity	Page no. 29	<p>MSI's indemnity: The MSI must indemnify and hold harmless the Client and the Client's</p>	<p>MSI's indemnity: The MSI must indemnify and hold harmless the Client and the Client's staff, their Affiliates and directors of</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<p>staff, their Affiliates and directors of their Affiliates for liabilities, expenses, fine, penalties, taxes and losses suffered or incurred by the Client Indemnified Party, including claims by a third party, arising out of:</p> <p>(i) any failure of the MSI to pay taxes or any statutory dues;</p> <p>(ii) any non-compliance or violation of Applicable Law or applicable permits by the MSI;</p> <p>(iii) breach of the MSI's representations and warranties set out in the Contract;</p> <p>(iv) bodily injury, sickness or death of any person whatsoever engaged by MSI, Client or any of their subcontractor on the site during duty hours;</p> <p>(v) breach of the MSI's obligations under the Contract;</p> <p>(vi) physical damage to the Project Office or any property therein;</p> <p>(vii) loss of or physical damage to property of any third party; or</p> <p>(viii) infringement of the Intellectual Property Rights</p>	<p>their Affiliates for liabilities, expenses, fine, penalties, taxes and losses suffered or incurred by the Client Indemnified Party, including claims by a third party, arising out of:</p> <p>(i) any failure of the MSI to pay applicable taxes or any statutory dues;</p> <p>(ii) any non-compliance or violation of Applicable Law or applicable permits by the MSI;</p> <p>(iii) breach of the MSI's representations and warranties set out in the Contract;</p> <p>(iv) bodily injury, sickness or death of any person whatsoever engaged by MSI, Client or any of their subcontractor on the site during duty hours;</p> <p>(v) breach of the MSI's obligations under the Contract;</p> <p>(vi) physical damage to the Project Office or any property therein;</p> <p>(vii) loss of or physical damage to property of any third party; or</p> <p>(viii) infringement of the Intellectual Property Rights of any third party by the MSI under the Contract.</p>	

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			of any third party by the MSI under the Contract.		
1130.	Volume 2, Section 23.1- Confidentiality	Page no. 34	23.1 Except with the prior written consent of the Client, the MSI and the Personnel shall not at any time communicate to any person or entity any proprietary or confidential information, including information relating to reports, data, drawings, design software or other material, whether written or oral, in electronic or magnetic format, and the contents thereof; and any reports, digests or summaries created or derived from any of the foregoing that is provided by the Client to the Personnel; any information provided by or relating to the Client, its technology, technical processes, business affairs or finances or any other information acquired in the course of the Services, nor shall the MSI and the Personnel make public the recommendations formulated in the course of, or as a result of, the Solution subject to.	Except with the prior written consent of the Client, the MSI and the Personnel shall not at any time communicate to any person or entity any proprietary or confidential information, including information relating to reports, data, drawings, design software or other material, whether written or oral , in electronic or magnetic format, and the contents thereof; and any reports, digests or summaries created or derived from any of the foregoing that is provided by the Client to the Personnel; any information provided by or relating to the Client, its technology, technical processes, business affairs or finances or any other information acquired in the course of the Services, nor shall the MSI and the Personnel make public the recommendations formulated in the course of, or as a result of, the Solution subject to	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1131.	Volume 2, Section 44.7-Confidential Information	Page no. 48	The provisions of this GCC Clause 44 shall survive the termination, for whatever reason, of the Contract for three (3) years or such longer period as may be specified in the SCC	The provisions of this GCC Clause 44 shall survive the termination, for whatever reason, of the Contract for three (3) 2 (Two) years or such longer period as may be specified in the SCC	RFQ cum RFP prevails
1132.	Volume 2, Section 64.4-Loss of or Damage to Property; Accident or Injury to Workers; Indemnification	Page no. 68	64.4 The Client shall indemnify and hold harmless the MSI and its employees, officers, and Subcontractors from any and all losses, liabilities, and costs (including losses, liabilities, and costs incurred in defending a claim alleging such a liability) that the MSI or its employees, officers, or Subcontractors may suffer as a result of the death or personal injury of any person or loss of or damage to property of the Client, other than the System not yet achieving Operational Acceptance, that is caused by fire, explosion, or any other perils, in excess of the amount recoverable from insurances procured under GCC Clause 25 (Insurances), provided that such fire, explosion, or other perils were not	64.4 The Client shall indemnify and hold harmless the MSI and its employees, officers, and Subcontractors from any and all losses, liabilities, and costs (including losses, liabilities, and costs incurred in defending a claim alleging such a liability) that the MSI or its employees, officers, or Subcontractors may suffer as a result of the death or personal injury of any person or loss of or damage to property of the Client, other than the System not yet achieving Operational Acceptance, that is caused by fire, explosion, or any other perils, in excess of the amount recoverable from insurances procured under GCC Clause 25 (Insurances) , provided that such fire, explosion, or other perils were not caused by any gross negligent act or wilful default or failure of the Client MSI .	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			caused by any act or failure of the MSI.		
1133.	Volume 2, Section 65.1 (c)-Force Majeure	Page no. 69	(c) Strike, sabotage, lockout, embargo, import restriction, port congestion, shipwreck, shortage or restriction of power supply, epidemics, quarantine, and plague;	(c) Strike, sabotage, lockout, embargo, import restriction, port congestion, shipwreck, shortage or restriction of power supply, epidemics, pandemic including but not limited to Covid-19, quarantine, and plague;	RFQ cum RFP prevails
1134.	Volume 2, Section 65.3-Force Majeure	Page no. 69	65.3 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 P performance is prevented, hindered, or delayed . The Time for Achieving Operational Acceptance shall be extended in accordance with GCC Clause 56 (Extension of Time for Achieving Operational Acceptance).	65.3 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 performance is prevented, hindered, or delayed or it becomes impossible to perform its obligations. The Time for Achieving Operational Acceptance shall be extended in accordance with GCC Clause 56 (Extension of Time for Achieving Operational Acceptance).	RFQ cum RFP prevails
1135.	Volume 2, Section 69.1-Assignment	Page no. 71	69.1 Except as expressly permitted in the Contract, the MSI shall not be entitled to divest, transfer, assign or novate all or substantially all of its rights, interests, benefits and obligations under the	69.1 Except as expressly permitted in the Contract, the MSI shall not be entitled to divest, transfer, assign or novate all or substantially all of its rights, interests, benefits and obligations under the Contract, without the prior written consent of	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Contract, without the prior written consent of the Client.	the Client, which consent shall not be unreasonably withheld.	
1136.	Volume 2, SCC GCC clause no. 55.2-Liquidated Damages	Page no. 82	Liquidated damages shall be assessed at 1.0 percent per week of Contract Value during implementation and DLP phase. The maximum liquidated damages are 10 percent of the Contract Value during the implementation and DLP phase of the project.	Liquidated damages shall be assessed at 0.5 1.0 percent per week of Contract Value during implementation and DLP phase. The maximum liquidated damages are 10 percent of the Contract Value during the implementation and DLP phase of the project.	RFQ cum RFP prevails
1137.	Volume 2, SCC GCC clause no. 55.3-Liquidated Damages	Page no. 83	Liquidated damages shall be assessed at 1.0 percent per week of the total milestone payment which MSI has failed to achieve. Maximum liquidated damages shall be 10 percent of the total milestone payment.	Liquidated damages shall be assessed at 0.5 1.0 percent per week of the total milestone payment which MSI has failed to achieve. Maximum liquidated damages shall be 10 percent of the total milestone payment.	RFQ cum RFP prevails
1138.	Volume 2, Appendix B- Non disclosure Agreement- Clause no. 10	Page no. 90	10. Notwithstanding any other provisions of this Agreement, the obligations of confidentiality of the information shall survive the termination or expiration of this Agreement.	10. Notwithstanding any other provisions of this Agreement, the obligations of confidentiality of the information shall survive for a period of 2 (Two) years from the date of the termination or expiration of this Agreement.	RFQ cum RFP prevails
1139.	Vol-3 Page-311 Section - 3.2.4.3	311	Components shall also pass web application security testing for in the case of applicable web applications	Kindly specify the frequency and scope of web application security testing	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1140.	Vol-3 Page-311 Section - 3.2.4.3	311	Penetration test shall be carried out periodically and vulnerability analysis shall be carried half-yearly during maintenance phase.	Penetration testing has to be done periodically, kindly specify the frequency	In compliance with MeitY guidelines and RFQ cum RFP (whichever is earlier)
1141.	Vol-3	NA	Details on Data Security requirements is not shared	Kindly comment on expectations from Data Security Solution like what level of Encryption, if DAM is needed, requirements on Data Security At Rest/ In Motion/ In Use	RFQ cum RFP prevails
1142.	Vol-3	NA	RFP doesn't talk about Data Forensics requirements	Kindly comment on expectations for Data Forensics part	RFQ cum RFP prevails
1143.	Vol-3	NA	Details on compliance to standards for Data Privacy is not shared	Kindly comment on expectations towards compliance to standards for Data Privacy specially PII	RFQ cum RFP prevails
1144.	Vol-3 Section TR 8.203	NA	Following security solutions shall be implemented by MSI: <ul style="list-style-type: none"> • Centralized Anti-Virus for the virtual machines, workstations/ laptops, Public Interactive Kiosks and on-premise hosting infrastructure; • DDoS attack Protection and Anti-DDoS; • Next Generation Firewalls; • Host Intrusion Prevention System (HIPS); • Intrusion Prevention System (IPS); • Web Application Firewall to help protect web applications from common 	Kindly Specify indicative list with respective count in BoQ as per your requirement	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			web attacks such as SQL injection or cross-site scripting; • SIEM (Security Incident and Event Management) to monitor the security incidents; and • Mobile Device Management (MDM).		
1145.	Vol-3	NA	RFP doesn't talk about Cyber Security components like DLP for End Points Security, Anti-APT, PAM, API Gateway etc	Kindly provide an indicative list of Cybersecurity components	RFQ cum RFP prevails
1146.	Vol-3	NA	RFP doesn't talk about Compliance expectation from individual Cybersecurity components	Kindly comment on any specific Compliance expectations on Cybersecurity components	RFQ cum RFP prevails
1147.	Vol-1 Page-124 Sr. No. - 8	8	List under IT and other Common Infrastructure just mentions about Data Security and Firewall without any indicative list of Cybersecurity components	Kindly specify in this table, an indicative list of Cybersecurity components for security level expectations	RFQ cum RFP is clear
1148.	Vol-1 Page-133 Sr. No. - 8	8	Cost components under IT and other Common Infrastructure only covers Data Security and Firewall without any indicative list of Cybersecurity components	Kindly account for the cost of Cybersecurity components individually for more clarity	RFQ cum RFP is clear
1149.	Vol-3 Page-64 FR 3.9	64	• Adaptive Motion Detection: To detect and track object that enter a	Kindly confirm that by object you mean person or any object. If Object, then please provide	Both

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			scene and then triggers an alarm when the object enters a user-defined zone.	categories of object which needs to be identified.	
1150.	Vol-3 Page-64 FR 3.9	64	• Object/ People Counting: To count the number of objects/ people that enter a defined zone.	Does it mean either objects or people (user defined) or both?	Both
1151.	Vol-3 Page-64 FR 3.9	64	Intrusion Detection: Detect intrusion	How is it different from Adaptive Motion detection?	RFQ cum RFP is clear
1152.	Vol-3 Page-64 FR 3.11	64	After 30 days, the video feeds would be overwritten or archived unless it is flagged or marked	Is the option of overwriting or archiving user configurable? For how long the archived data to be kept?	RFQ cum RFP is clear
1153.	Vol-3 Page-65 FR 3.22	65	Failover Support - The system shall support automatic failover for Recording Servers	Please confirm the failover requirement for application.	RFQ cum RFP is clear
1154.	Vol-3 Page-65 FR 3.33	65	It should be possible to record to multiple recorders at the same time	Does it mean multiple backup recordings of same camera, or one recording for one camera?	RFQ cum RFP is clear
1155.	Vol-3 Page-66 FR 3.47	66	• Users shall be able to change the playback from local storage associated with a camera	Requirement is not clear – how it is different from the live video stream viewing?	RFQ cum RFP is clear
1156.	Vol-3 Page-67 FR 3.50	67	• Time to export shall be no more than 30 seconds per hour of video recorded. • Users shall be able to queue video exports to be performed as a background process.	Is the 30 seconds per hour video export limit starts from: a. The process of exporting is started i.e. it comes to foreground from the background queue. b. Or does it count the time in background queue as well?	RFQ cum RFP is clear
1157.	Vol-3 Page-67 FR 3.52	67	Users shall be able to specify whether the recording should be	Can you please elaborate this requirement? What is meant by protected here?	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			protected when an alarm or event occurs (from a specified time before the alarm / event.).	This configuration will be at event level or System level.	
1158.	Vol-3 Page-67 FR 3.56	67	The Video Management System shall support alarm inputs from 3rd party systems.	Normally, the alarms are sent to ICCC (CIOC). Does it require 3rd party subsystem alarms be received by VMS?	RFQ cum RFP is clear
1159.	Vol-3 Page-67 FR 3.59	67	The Video Management System shall clearly mark black screen monitoring viewing windows as being distinct from normal live view windows through background colour and icon	Requirement is not clear. Please elaborate	RFQ cum RFP is clear
1160.	Vol-3 Page-68 FR 3.72	68	Any additional features supported by the local storage.	Requirement is not clear. Please elaborate	RFQ cum RFP is clear
1161.	Vol-3 Page-69 FR 3.97	69	Users shall be able to link to any map from any map.	Requirement is not clear. Please elaborate	RFQ cum RFP is clear
1162.c	Vol-3 Page-70 FR 3.102	70	The ANPR System shall be featured to identify the hot listed vehicles & vehicles for post incident analysis by Police such as security matters, accident detection etc.	Which database to refer to for hot listed vehicles? Is it CCTNS? Is the provision for adding/deleting hot listed vehicles required other than the integrated DB which will provide list of hotlisted vehicles?	VAHAN Samanvay (MoRTH, GoI) Database is to be referred for hot listed Vehicles
1163.	Vol-3 Page-211 TR 8.5	211	Firewall must support stateful inspection throughput minimum of 80 Gbps in Active-Active deployment or Active-Passive deployment.	Please clarify throughput for active-active, and active-passive seperatly to plan capacity.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1164.	Vol-3 Page-221 BR 8.8	221	Hosting Infrastructure shall have capability of handling enterprise workloads with autoscaling features.	Minimum and maximum scaling quantity for workloads needs to be clarified.	RFQ cum RFP is clear
1165.	Vol-3 Page-221 BR 8.15	221	The Data Centre and Data Recovery centre shall be in Active-Active / Active-Passive mode as per MSI solution complying the high availability with no point of failure.	Does it mean 'single point of failure' instead of point of failure?	No single point of failure
1166.	Vol-3 Page-222 FR 8.26	222	During the change from DC to secondary DC / DRC or vice-versa (regular planned changes) there should not be any data loss.	Is it a hard requirement for all data that there should be no data loss ?	RFQ cum RFP is clear
1167.	Vol-3 Page-224 FR 8.54	224	Server shall be designed to provide a fully redundant and fault tolerant system and shall be available for 99.99% or greater. The unscheduled down time shall be less than 0.01%.	This availability applicable on yearly basis?	RFQ cum RFP is clear
1168.	Vol-3 Page-233 BR 9.6	233	The data store function shall acquire data both automatically and manually. Automatic data acquisition shall be met through industry-standard data transports. Data Acquisition via Dynamic Data Exchange (DDE) and for Process Control (OPC) along with other	Need clarity on use case of manually entering the data value. Is automatic data acquisition requirement using DDE and OPC for PLC/SCADA?	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			proprietary transports shall also be supported		
1169.	Vol-3 Page-233 BR 9.14	233	Integrate with other SCADA/IoT based systems including water and wastewater, power, solid waste and streetlighting (providing by Others) at the CIOC for monitoring and control of these systems. Note that these SCADA based systems shall be primarily monitored and controlled from their respective system. However, the smart city platform shall provide the capabilities to DMIC IITGNL operators to visualize all attributes and override the control of these systems as per the defined standard operating procedures for critical functionalities only.	Scope of integration is not clear as details of SCADA systems are required to understand the scope.	RFQ cum RFP is clear
1170.	Vol-3 Page-234 BR 9.18	234	The overall work shall be in reference to standards published as per ISO 37120, ISO 37122 and World Council of City Data (WCCD).	Is there any certification required?	RFQ cum RFP is clear
1171.	Vol-3 Page-234 FR 9.4	234	CIOC shall leverage information provided by multiple city systems in order to provide an integrated, seamless,	What is multiple City system here?	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			proactive and comprehensive response mechanism for day-to-day city operations and challenges.		
1172.	Vol-3 Page-236 FR 9.33	236	Interface with all the Building Management Systems (BMS) or IP enabled fire alarm system installed in non-DMIC IITGNL buildings for monitoring of essential parameters.	Which parameters needs to be monitored for this case?	RFQ cum RFP is clear
1173.	Vol-3 Page-236 FR 9.51	236	Create awareness within the city for energy consumption and utilization.	What is expected is not clear here?	RFQ cum RFP is clear
1174.	Vol-3 Page-238 FR 9.78	238	Integrate with all Back-Office and Customer Facing ISM systems such as Finance, HR, Project Management, Contracts Management, Operations, Maintenance and Asset Lifecycle Management, CRM, Portal, Grievance Redressal System etc. for monitoring their operations as well as KPI monitoring, tracking, alarm generations, cross system workflows etc.	The scope seems subjective.	RFQ cum RFP is clear
1175.	Vol-3 Page-238 FR 9.89	238	Real-time monitoring of emergency dispatch vehicles (as applicable).	Is tracking of vehicles required?	RFQ cum RFP is clear
1176.	Vol-3	240	CIOC shall support vision	Not able to get this use case.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Page-240 FR 9.112		of crowd sourcing and analytics of data from various platforms i.e. city application and web portal among others for the purposes of empowering citizens.		
1177.	Vol-3 Page-240 FR 9.119	240	The platform shall be capable of presenting information in a browser-based format such that it is accessible from any terminal connected to the CIOC with a web browser. The supported browsers shall include but not limited to IE, Chrome, Firefox and Safari. In addition, the platform shall also be able to present information on mobile devices such as tablets and smartphones while maintaining the basic UI features.	Difficult to support all browser, looks open ended requirement.	RFQ cum RFP prevails
1178.	Vol-3 Page-240 FR 9.121	240	Part of the visualization at the DMIC IITGNL CIOC will include monitoring a set of relevant ISO 37120 and ISO 37122 indicators. Some sample indicators which are tentatively required to be monitored at CIOC are provided below: • Assessed value of commercial and industrial	Confirmation required apart from this list what other indicators might be required.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<p>properties as a percentage of total assessed value of all properties;</p> <ul style="list-style-type: none"> • Primary education student/teacher ratio; • Total residential electrical energy use per capita (kWh/year); • Energy consumption of public buildings per year (kWh/m²); • Fine particulate matter (PM2.5) concentration; • Number of in-patient hospital beds per 100,000 population; • Percentage of the city's solid waste that is recycled; • Green area (hectares) per 100,000 population; • Percentage of city population with potable water supply service; and • Total domestic water consumption per capita (litres/day). 		
1179.	Vol-3 Page-241 FR 9.123	241	Automatically detect when citizen services are needed as indicated but not limited to the following: Water treatment plant issues, water quality degradation and water flow analysis for recycling. It should include:	Assumption is that this data will be available from existing SCADA systems which are not in scope of this RFP, and an IoT gateway will be required for each SCADA system.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<ul style="list-style-type: none"> • Distributed water management - Industrial & Residential (neighbourhood) Water Consumption Forecasting and Recycle Water usage is important; • Real time streaming analytics on tweets and social media events, blogs, grievances and discussion portal with data quality and content categorization; and • Dynamically sense the citizen environment and mitigate government service disruptions through social media and other citizen data. • Provide proven intelligence system for planning and asset maintenance for Smart Electricity Grid which is envisaged to be with 100% underground cable network: Ø Provide proven intelligence to integrate AMI / AMR data, Billing Data and other data sources to detect technical losses, faults etc. as applicable. • Public Security Analytics: Ø Enable the law 		

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			enforcement to identify the area of security concerns including heat maps; Ø Forecast the man power required for surveillance in high risk area; Ø Identify hidden areas of security concerns; and Ø Profile each area based on the type of predominant crime.		
1180.	Vol-3 Page-242 FR 9.127	242	The platform shall provide capabilities of integration with big-data and shall provide in-memory analytics capabilities.	Is in-memory capabilities a hard requirement?	RFQ cum RFP is clear
1181.	Vol-3 Page-242 FR 9.129	242	Streaming analytics capabilities shall include machine learning streaming capabilities such as regressing, decision tree, filtering live stream data, etc.	Is this different use case from video analytics performed by ANPR, ATCC.	RFQ cum RFP is clear
1182.	Vol-3 Page-242 FR 9.131	242	The memory engine shall provide various types of dashboards and capabilities that allow drilling down on the dashboards and interlinkages of report objects and integration with GIS.	Use case is not clear	RFQ cum RFP is clear
1183.	Vol-3 Page-242 FR 9.132	242	The platform shall use leading text analytic solution to synthesize feedback comments and	What kind of Text analytics solution is required?	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			provide actionable intelligence.		
1184.	Vol-3 Page- 31 Section 2.2.1.5	31	There will be 1 primary POP and 1 Secondary POP	In BOQ 1.16 only 1 no. of POP room is mentioned. Kindly clarify	RFQ cum RFP is clear
1185.	Vol-3 Page-31 Section 2.2.2.1	31	Distribution ring architecture	1*48 count FOC will not be sufficient for Distribution to Access switch connectivity (50 industrial switches). Kindly clarify	RFQ cum RFP prevails
1186.	Vol-3 Page- 32 Section 2.2.1.7	32	Core layer consists of Core routers, Core switches and Firewall placed at the primary PoP.	Network components like Core Router, Switches , FW in HA should be placed in POP1 and POP2 respectively for redundancy. Kindly clarify	RFQ cum RFP is clear
1187.	Vol-3 Page- 30 Section 2.2.1.	30	for connectivity to plots	Need clarification on PLOTS	Master Plan has been shared as part of RFQ cum RFP
1188.	Vol-3 Page- 30 Section 2.2.1.2	30	It is planned to lay down 4x24 count fibre cable for TSPs and 1x48 count fibre cable for field devices and plot connectivity.	Are we going to lay fiber optics from Distribution trench ?	RFQ cum RFP is clear
1189.	Vol-3 Page- 32 Section 2.2.1.7	32	Need clarification on Network diagram	Need clarity on diagram , is it for reference or need the network topology as per referenced diagram. In architecture, Access switches are dual homed to Distribution switches as well as access switches are connected to each other. The same is true for Distribution switches. Kindly clarify	RFQ cum RFP is clear
1190.	Vol-3 Page- 32 Section 2.2.1.7	32	The industrial grade switches shall support a MAC table size of up to 8000 addresses.	Do we need 8K mac addresses at Access layer switch, Kindly clarify	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1191.	Vol-3 Page- 73 FR-2 , point 2.6	73	The Wi-Fi transition from one access point to another shall be seamless. Users must be able to use same login details even if they move from one Wi-Fi zone to another.	For Seamless, we need to provide Wi-Fi coverage to whole IIT City	As per Bidder's Solution
1192.	Vol-3 Page- 73 FR-2 , point 2.15	73	The Wi-Fi access point shall be controller based that can be managed by using Wi-Fi controller at City's Integrated Operations Centre (CIOC).	Do we need to control the AP from CIOC ?	RFQ cum RFP is clear
1193.	Vol-3 Page- 73 FR-2 , point 2.18	73	The controller shall ensure seamless roaming within DMIC IITGNL.	For Seamless, we need to provide Wi-Fi coverage to whole IIT City	As per Bidder's Solution
1194.	Vol-3 Page- 73 FR-2 , point 2.37	73	Multiple payment gateway integration required allowing the users to make the payments using online/ offline mode, including prepaid mobile balance & e-wallet applications and coupon based.	Need Details of Payment Gateways	RFQ cum RFP is clear
1195.	Vol-3 Page- 78 TR-2 , point 2.64	78	Wi-Fi Management system shall be hosted on cloud solution.	As per Point TR 2.46 – WMS should be installed at CIOC	As per Bidder's solution
1196.	Vol-3 Page-241 FR-8 , point 8.26	241	During the change from DC to secondary DC / DRC or vice-versa (regular planned changes) there should not be any data loss.	Should be failover as per defined RPO & RTO, Kindly clarify	RFQ cum RFP is clear
1197.	Vol-3 Page- 242 FR-8 , point 8.39	242	All alerts, logs and events generated by cloud infrastructure / hosting	Anti-DDOS should be used for Protection not for collecting log &	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			should be seamlessly integrated with Enterprise Management System, Network Management System, Anti-DDOS , SIEM or any other solution provided by the MSI.	events from componenets installed in cloud, Kindly Clarify	
1198.	Vol-3 Page- 246 TR-8 , point 8.230	246	The MSI shall provide sufficient amount of storage to support the operational needs. The storage on- site shall be for at least 30 business days post which the storage can be archived to on-site media provided by the MSI.	Are we talking about tape library for archival of data or secondary storage, Kindly clarify	RFQ cum RFP is clear
1199.	BOQ 8 (IT and other common)	NA	On premise Storage considerartion	No storage head present in the BOQ. Pls clarify under which head it should fall.	RFQ cum RFP is clear
1200.	BOQ	NA	SFP missing for conenctivity (1G, 10G etc)	SFP needs to be added for connectivity between Core , Distribution & Access layer switches	RFQ cum RFP prevails
1201.	BOQ 8.1.1	NA	Firewal is 1 set	meaning of Firewall set, Kindly clarify	RFQ cum RFP is clear
1202.	BOQ 1.15	NA	Enterprise Management System (EMS)	meaning of EMS set , Kindly clarify	RFQ cum RFP is clear
1203.	Vol-3 Page- 175 FR 4.904	175	Change Service Location Data: Need to be able to change all relevant service location data (connection object, premise, and point of delivery) during contact with a customer. After identifying the premise, the	what is connection object here? Example is missing	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			call centre agent should be able to access the maintenance view for the service location. Here, the agent can change the connection object address, add additional premise data, or determine the grid for the point of delivery, for example.		
1204.	Vol-3 Page- 177 FR 4.907	177	Warranty Analysis: Need to provide information about the amount of products/services with or without warranty and monitor expired warranties	Is "amount of product or service" refers to the amount when product or services were availed or depreciated/current price (of new item)?	RFQ cum RFP is clear
1205.	Vol-3 Page- 177 FR 4.910	177	System should provide data validation checks to minimize data entry errors. It should incorporate user supplied logics to check variations in consumption and generate exceptions. After data entry, the system should generate an Exception Report for non-reading of meters due to any reason. It shall also highlight possible inconsistencies in the metering data. After handling of exceptions by the respective officials, the system should be updated with the result of exception handling. While validating,	what is the logic/formula to generate exception report?	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			if the meter reading found low / unacceptable based on earlier readings/trends the system should issue a work order for checking and replacement of meter. If the work orders are not closed with valid reason system should escalate the issue till the same is resolved.		
1206.	Vol-3 Page- 177 FR 4.914	177	Capturing Meter reading Data: The system should be capable of capturing meter reading data from a Meter Reading Book, handheld computers used for spot metering & billing for uploading and downloading the data. System should be capable to upload and download the data for a given set or group of consumers to Meter Reading Instruments (MRI)/Hand Held Computers (HHC) automatically. System should also keep log of MRI/HHC assigned to meter reader.	With respect to Meter Reading Book, It is assumed that an screen is needed wherein authorised user can manually enter meter reading from a physical meter reading book, please confirm.	RFQ cum RFP is clear
1207.	Vol-3 Page- 177 FR 4.915	177	Validations for the spot metering and billing data update: The system should be able transfer or update the meter reading	Do you need validation at both places in the central system as well as in the MRI/spot billing machines? Need more clarity on "restricting the customer data uploads to those that	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			validation logic to the MRI and spot billing machines. The system should have the flexibility of validating the data uploaded from the meter reading instruments. The validation would include restricting the customer data uploads to those that were indicated in the meter reader's schedule.	were indicated in the meter reader's schedule."	
1208.	Vol-3 Page- 178 FR 4.918	178	Monitoring Customer Exception: The system should be able to track customer behaviour in terms of exceptions. For example: The number of times a customer figures in the list of exceptions.	It is assumed that a report is required to display the number of times a customer figures in the list of exceptions. Please specify the detailed report requirements if any other report is also required.	RFQ cum RFP is clear
1209.	Vol-3 Page- 178 FR 4.929	178	Tracking meter location Current location of meter must be tracked i.e. in stores, under testing, at consumer premise, under overhauling etc. Data must be captured at appropriate locations and point of time to track the meter.	it is assumed that location will be captured manually by authorised users in the system, please confirm understanding.	RFQ cum RFP is clear
1210.	Vol-3 Page- 179 FR 4.930	179	Tracking meter status: The system will track the current status of the meter. Various options would include Correct Meter, Stuck-Up Meter, Sluggish Meter, Door Lock etc.	it is assumed that status will be captured manually by authorised users in the system, please confirm understanding.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1211.	Vol-3 Page- 179 FR 4.941	179	Recoding a group of meter test results: The system shall have the ability to maintain unlimited test results on a group of meters to support the analysis of purchase decisions and the annual meter recall program.	what is max limit on adding test result on this and what is the data retention period, can this be archived/purged after some period?	RFQ cum RFP is clear
1212.	Vol-3 Page- 181 FR 4.987	181	Maintain locations and dates as meters move: The system shall have the ability to maintain locations and dates as meters move through the utility.	Please explain the usecase for relocation of meter? our assumption is that location details will be manually captured by the privileged user in the system	RFQ cum RFP is clear
1213.	Vol-3 Page- 182 FR 4.997	182	GIS Grid reference required for meters.	Need more clarity on usecase. our assumption that this info will be captured by the authorised user in the system manually	RFQ cum RFP is clear
1214.	Vol-3 Page- 183 FR 4.1031	183	Functionalities associated with acquisition and purchasing of water from water distribution authority for further distribution at IIT needs to be included as part of this module.	More details needed on this feature	RFQ cum RFP is clear
1215.	Vol-3 Page- 206 FR 4.1334	206	• Payment Systems (not limited to RTGS, PAYTM, BHIM, Credit Cards etc.)	statement with "etc." and "any other" is quite open in the scope. Please specify exact interfaces required as transport channel and message format may be different for each interface. Moreover please specify Transport channels(HTTP/HTTPS/mqtt,jms,rest,socket, FTP/SFTP),	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				Mode/frequency(sync/asyn/batch file upload).	
1216.	Vol-3 Page- 207 FR 4.1343	207	Mobile mirroring is for web site, portal, Software Modules.	Is portal here referring to collection of ISM modules for occupants (customer facing or interaction center-CRM only as depicted in diagram exhibit -5 on page 102) or anything specific?	RFQ cum RFP is clear
1217.	Vol-3 Page- 207 FR 4.1343	207	<ul style="list-style-type: none"> The final list of business processes to be mobile enabled would be finalised during the project in a phase or sprint as planned by the bidder. 	How to arrive cost & schedule, do we need to include cost only for requirement discovery in the current scope of bid	RFQ cum RFP is clear
1218.	Vol-3 Page- 207 FR 4.1346	207	DMIC IITGNL Portal shall be made mobile-compliant through the following: <ul style="list-style-type: none"> Open standards shall be adopted for mobile applications for ensuring the interoperability of applications across various operating systems and devices 	our understanding (basis FR 4.1347) is that only iOS and Android based apps are needed, please elaborate what exactly is needed in "interoperability of applications across various operating systems and devices".	RFQ cum RFP is clear
1219.	Vol-3 Page- 207 FR 4.1346	207	<ul style="list-style-type: none"> Uniform/ single pre-designated numbers (long and short codes) shall be used for mobile-based services to ensure convenience: e.g. 51969 and 166 procured by MeitY for M-Gov Services; 	Need more clarity on this point	RFQ cum RFP is clear
1220.	Vol-3 Page- 207 FR 4.1346	207	<ul style="list-style-type: none"> Provide mobile-based services through all delivery channels including SMS, Voice/ IVR, 	Does all these channels needed for all the services?	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Unstructured Supplementary Service Data (USSD), GPRS/3G, SIM ToolKit, and mobile application store (m-Appstore).		
1221.	Vol-3 Page- 207 FR 4.1352	207	<ul style="list-style-type: none"> The ESB supports message record/ replay capability, DFDL standards-based parser for text and binary data, many programming languages (Java, ESQL, PHP, C#, VB, F#, C++) including .Net, natively web services, Graphical Data mapping for transforming XML, text, and binary data, transaction management (Automatic, Commit, Rollback), SSL, SFTP, and LDAP etc. 	is there any compelling need for DFDL as dfdl page list only 2 implemenations(IBM and Apache defodil(incubating)2018). This will limit the choices.	RFQ cum RFP prevails
1222.	Vol-3 Page- 207 FR 4.1352	207	<ul style="list-style-type: none"> The ESB have the capability to support design, editing and manipulation of WSDL, through an integrated tooling. 	our assumption is that WSDIs should be editable using standard WSDL editing tools, pls confirm	RFQ cum RFP is clear
1223.	Vol-3 Page- 207 FR 4.1352	207	<ul style="list-style-type: none"> The ESB provide an integrated testing tool with auto test the integration components developed and integrated development environment for development, test and deployment and debug. 	is there compelling requirement for having integrated testing tool as part of ESB or any standard tool will do?	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1224.	Vol-3 Page- 207 FR 4.1355	207	• Bi-Lingual Support: Application shall support at least Unicode 5.1/ 6.0 standard based Bi-lingual versions for user interface. It is expected to be in the Hindi and English (India) languages.	is is assumed that only lables and messages would be bi-lingaul and data enter would be in english only. Pls confirm.	RFQ cum RFP is clear
1225.	Vol-3 Page- 207 FR 4.1357	207	• Application or Portal server should be an industry standard commercial enterprise grade software product capable being deployed in a high availability mode.	what does portal server refer here to, it being used for application server or is it related to JSR Portlets or is this regading sharepoint like ECM portal?	RFQ cum RFP is clear
1226.	Vol-3 Page- 199 Section B6	199	Phase 1 has the creation of DMIC IITGNL website, Applicant Registration and Login, Project Information, Upload of Applicant's Documents, Fees & Deposit Calculation & Payment. This is already implemented. The balance phases include:	Do we need to consider phase 2 onwards development of e-LMS? , what tech stack is being used in the current version(phase1).	RFQ cum RFP is clear
1227.	Vol-3 Page- 211 Section B6	211	In context to land records management, leveraging blockchain solution offers many advantages such as:	what is the key driver for using blockchain which can only be best addressed with blockchain?are we removing any intermediary here or we are just using it for privacy/security/integrity or interfacing? What all nodes will be involved which are not part of govt?	RFQ cum RFP is clear
1228.	Vol-3 Page- 212 Section B6	212	Please note, since blockchain is an evolving technology, the exact	how to scope this for costing?	As per Bidder's solution

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			architecture shall be finalized in consultation with the Client as part of Design Phase of the Project		
1229.	Vol-3 Page- 187 FR 4.1053	187	• Other existing complaint systems.	what are the existing complaint systems? Would said system continue to work once proposed Citizen Grievances Redressal is implemented?	Citizen Grievance Portal will be the primary system for grievances
1230.	Vol-3 Page- 187 FR 4.1054	287	The system should be capable of converging information management and delivery system, which enables calls, collected through different communication channels to be converged on to the common distribution system and hence brings in commonality in allocation and response mechanism.	Need more clarity with example	RFQ cum RFP is clear
1231.	Vol-3 Page- 190 FR 4.1070	190	The system should provide DIY (Do It Yourself) data analytics platform based on the philosophy of analytics for all.	is this specific to Grievances Redressal management module?	RFQ cum RFP is clear
1232.	Vol-3 Page- 190 FR 4.1075	190	senior officers shall have a capability which provides real-time dashboard of operational parameters and highlights areas of concern. It also provides contact book of entire team, that immensely help	can t-n snapshot(with some lag) or daily dashbaord work?	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			senior officer in reaching out to the right officer instantly for taking appropriate and timely decisions.		
1233.	Vol-3 Page- 192 FR 4.1095	192	Analysis of Grievances.	what exactly is needed in the analysis?	RFQ cum RFP is clear
1234.	Vol-3 Page- 203 FR 4.1305	203	The dashboards shall be developed as an interactive, state-of-the-art and user-friendly dashboard to view the details regarding the following as a minimum: <ul style="list-style-type: none"> • Treasury • IIT Software Modules (ISM) Applications • GIS • Information Related to Power and Water Utilities • Solid Waste Management • Environmental Parameters • Information related to Investors and land allotment • Information regarding other trunk infrastructure of IIT • Service level agreements Other key performance indicators related to operations of the City. Dashboards shall the capability of providing	Our assumption is that many of these dashboards can be generated on t-n snapshot data	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			snapshots of Key Performance Indicators across modules in order to help in decision making.		
1235.	Vol-3 Page- 205 FR 4.1319	205	The details provided above are indicative and exact parameters are to be finalized during implementation. However, dashboards must be provided and a facility to collect the information requirement for Dashboard must be provided through Portal solution and other smart city applications. It may also require integration with various information providers. MSI will be responsible for complete solution design along with integration with information sources for respective indicators.	How to arrive cost & schedule, do we need to include cost only for requirement discovery in the current scope of bid	RFQ cum RFP is clear
1236.	Vol-3 Page- 205 FR 4.1323	205	City's Cockpit/ Dashboards shall be easily customized, integrable with other Smart City Applications and scalable in nature to meet future requirements.	what is expectation w.r.t "easily customized and integrable". It is expected that users should be able to customization(drag & drop) and integration	RFQ cum RFP is clear
1237.	Vol-3 Page- 217 FR 5.8	217	The integrated CCTV shall have the capability of recognition. Operators at the CIOC shall be able to monitor the live feed from the CCTV. When the	what is needed in "capability of recognition", Please elaborate.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			emergency button is pressed, the camera shall automatically focus on the person using the button with a video feed on the video wall at the CIOC.		
1238.	Vol-3 Page- 217 FR 5.11	217	Public Interactive Kiosk shall have a capability for making digital payments for: <ul style="list-style-type: none"> • Utility Bills for government services such as electricity, water, Wi-Fi, etc. • Citizen services • Tickets for the events around the city • Any other DMIC IITGNL supported activity/event 	statement with "etc." and "any other" is quite open in the scope, please specify comprehensive list of services	RFQ cum RFP is clear
1239.	Vol-3 Page- 218 TR 5.16	218	Public Interactive Kiosk shall be equipped with sufficient tamper-proof mechanisms to ensure detection at CIOC in case of physical tampering to the Kiosk.	What kind of tempering is to be detected, pls elaborate	RFQ cum RFP is clear
1240.	Vol-3 Page- 219 TR 5.36		The Public Interactive Kiosk shall have the capability for digital payments like electricity bills, water bills, Wi-Fi recharge/coupon, Payment of penalties (Challans, etc.), payment for any city supported events, etc.	statement with "etc." is quite open in the scope, please specify comprehensive list of services	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1241.	Volume-3 , Page - 203, Section - 2.2.4.24 , FR 4.1305	203	The dashboards shall be developed as an interactive, state-of-the-art and user-friendly dashboard to view the details regarding the following as a minimum: • Treasury • IIT Software Modules (ISM) Applications	How many Dashboards would be Required in this case. Also whether Dashboards would be accessed over the Internet or Over LAN only.	RFQ cum RFP is clear
1242.	Volume - 3, Page - 206 Section - 2.2.4.26 , FR4.1334	206	The DMIC IITGNL functionality requirement is to create a SOA based enterprise framework to enable online integration for the various application components as per the solution proposed by the MSI. This framework must include: • Back office modules; • Citizen facing modules; • GIS & web GIS; • Land management system; • Command and Control System; • File Management System; • e-Signature solution. • Multi-channel communication interfaces which includes devices like desktops, laptops, tablets, mobile/handheld devices working on Android, Apple,	How many SMS interfaces/types of SMSes would be required for the ISM Modules.	To be finalized in design validation stage

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Windows or any other contemporary platform; • E-mails, WhatsApp and SMS services;		
1243.	Volume - 3, Page-142 Section - FR4.417	142	Functionality for preparing a cash flow forecast with varying time horizons. Provision required for automatic bank reconciliation.	How many Bank Systems/Payment Systems does the system need to integrated with.	To be finalized in design validation stage
1244.	Volume - 3, Page - 144 Section - FR4.444	144	System should have a strong reporting functionality as per DMIC IITGNL needs that includes all statutory reporting, analysis of vendor master data, open invoices, overdue payments, payments made in advance, blocked invoices report etc.	Statement is open ended in scope. Please provide comprehensive list of Reports.	RFQ cum RFP is clear
1245.	Volume - 3, Page - 144 Section - FR4.457	144	System should have functionality to provide reports as required by DMIC IITGNL which includes for example open customer invoice, payments received (partial or full), ageing analysis per overdue dates.	Statement is open ended in scope. Please provide comprehensive list of Reports.	RFQ cum RFP is clear
1246.	Volume - 3, Page - 154 Section - Purchasing MIS,	154	PURCHASING MIS	There is no mention of Vendor Master Report or Vendor /Material Report. Is that not required?	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1247.	Volume - 3, Page - 151 Section - FR 4.582	151	Approvals of these requisition should conform to the powers vested in signing authorities. Necessary workflows must be available to facilitate approvals on the system.	Are multiple level approvals needed. Are approvals required from mobiles or only from Desktops.	To be finalized in design validation stage.
1248.	Volume - 3, Page - 152 Section - FR4.609	152	Requirement to separate out carriage and transport costs.	Is there a requirement to create detailed shipment and shipment cost documents or is the requirement only to enter the transportation costs in the Purchase Order.	RFQ cum RFP is clear
1249.	Volume - 3, Page - 152 Section - FR4.617	152	Functionality to update inventory on item receipt / post-inspection clearance for items with mandatory inspection requirements.	Our Assumption is that the requirement is to have a basic quantitative inspection process and a comprehensive qualitative Quality Management process with details of recording all parameters would not be required.	RFQ cum RFP is clear
1250.	Volume - 3, Page - 154 Section - FR4.652	154	Functionality to generate statutory reports/returns as required by state government for filing sales tax and/or excise duty returns.	Our Assumption is that GST Returns are being referred to here.	GST and other statutory returns
1251.	Volume - 3, Page - 139 Section - FR4.374	139	IIT users must be able to carry out processes on the system like Contract Entry, Billing, Collection, Issue Renewal Notices, Contract Renewal, Suspension and Cancellation.	What is mentioned here as Suspension and Cancellation	RFQ cum RFP is clear
1252.	Volume - 3, Page - 140 Section - FR4.378	140	Reports as per business requirements of DMIC IITGNL relating to Revenue from GST, Land	Statement is open ended in scope. Please provide comprehensive list of Reports.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Sales, Telecom Fibre Usage etc.		
1253.	Volume - 2 Page - 117 FR 4.321	117	It shall support multiple databases like Oracle, SQL Server, DB2, Informix etc. without requirement of any additional software.	Please specify which database need to be supported. Do you have any preference to support any specific Database?	RFQ cum RFP is clear
1254.			General	Please confirm how many concurrent operator licenses for ICCS software platforms is required to be proposed?	RFQ cum RFP is clear
1255.	Volume III, Terms of Reference, Technical requirement, Smart city Platform	277	Mobility – It shall enable operators and the crew members to access the workflow task assigned to them and act using the native mobile application. They should be able to close the loop of workflow by acknowledging the real time status of action assigned to them.	Please confirm how many concurrent Users licenses for Mobile enablement of field team is required to be proposed?	RFQ cum RFP is clear. Based on staff strength, Bidder to estimate.
1256.	Volume III, Terms of Reference, Technical requirement, Smart city Platform	278	TR 9.313 Tools for data collection and analysis, monitoring and control of all services shall include, but not limited to: Applications on the platform to process inputs from selected City Systems; and Remote control software to directly monitor and control selected City Systems at the CIOC/ Mayor's Office.	We request you to kindly elaborate	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1257.	Vol-III; FR 4.99	93	Any missing data from the master plan	we assume that masterplan will be in GIS format and should be compared with base layers to identify missing data. Please clarify	RFQ cum RFP is clear
1258.	Vol-III; FR 4.99	93	Solution should have facilities to digitize with reference to the base model	we assume that base model as base layer. Please clarify	RFQ cum RFP is clear
1259.	Vol-III; FR 4.104	97	GIS Projects should be easily be published as interactive 3D illustrations online, a modern way of communicating to stakeholder, citizens or project teams.	we understand that "What ever data is authored at the GIS desktop level can be published & visualised in 2D& 3D interface over modern Browser". Kindly clarify?	RFQ cum RFP is clear
1260.	Vol-III; FR 4.105	98	It should provide a web publishing wizard out of the box so that registered users can publish websites, create GIS applications without the need of programming. Users should be able to insert search tags to assist authorized users to search and locate geographic information, web maps, and web GIS applications create and shared by other users. The search results should be helpful to determine the usefulness of each item and find related items	We assume that searching of Web GIS Applications means Searching of GIS Layers. Kindly Confirm.	RFQ cum RFP is clear
1261.	Vol-III; FR 4.105	98	The web application developed by GIS system	This point is specific to a particular OEM and rephrased as per below	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			must be web responsive in nature and must automatically fits to the size of tablets, workstations or smart phones. GIS system must support and provide capability to work offline that one can download maps for use when device go offline. Users must be able to display maps get routes & directions, edit and sync data, perform analysis with search & query.	recommendation so that everybody get equal opportunity to participate. Recommendation: Please rephrase as "The web application developed by Enterprise GIS system must be web responsive in nature and must automatically fits to the size of mobile or smart phones. Every time when new application will be built it should be web responsive in nature. GIS system must support and provide capability to work offline, Users must be able to display, edit and sync data."	
1262.	FR 4.105	98	GIS system must support animation to 3D views and able to export videos	We understand that GIS system must support animation to 3D views and able to export videos as create a 3D flythrough and export to video. Please clarify.	RFQ cum RFP is clear
1263.	Vol-III; FR 4.103	96	Generate images and animations with life-like detail and high-end photo-realistic renderings with no need for additional software.	We understand to 'Generate images and animations with life-like detail and high-end photo-realistic renderings requires hardware/scanner. Please confirm the quantity of hardware/scanner to be supplied.	RFQ cum RFP is clear
1264.	Volume III, FR-1 Functional Requirement, Fiber Asset Management	18	FR1.46: With implementation a fiber optic network, there is a requirement to create a fiber asset management system for management of the infrastructure	In order to manage the fiber assets efficiently as per the clauses mentioned, a GIS based fiber asset inventory software is generally required separately through which the fiber assets can be mapped on a GIS map by maintaining its connectivity logically as well as the	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<p>FR1.47: The fiber assets management system shall be a purposeful-built tool that will allow mapping of all fiber counts in terms of count colour, number and allocation (entity or device) among other variables.</p> <p>FR1.48: Fiber asset management shall be configurable and easy to operate and update. It is expected that post any implementation of the fiber optic infrastructure, this asset management system shall be updated on an on-going basis</p>	<p>system can be integrated with other business systems mentioned in the EMS. We assume that the infrastructure would be placed on ground initially and then it may be required later.</p> <p>Kindly confirm whether a GIS based fiber asset inventory software would be needed as part of this project itself. If so, please provide technical specifications for providing the same</p>	
1265.	Vol 1 under Section Qualification Criteria 5.1 (a) point no 5,6 & 7	48 and 49	<p>Sole Bidder/any Member of Consortium:</p> <ul style="list-style-type: none"> • Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; AND • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead. <p>In case of large orders/orders with</p>	<p>Request the Department to consider the ongoing project experience where the work order dated before 6 months from the date of submission. Work Order/ Contract agreement and CA certificate has to be submitted. Request you to kindly consider our request as most of Smart city tenders in recent times have considered the ongoing project experience.</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			operations & maintenance phase, the completion certificate may specify successful commissioning status of a part of the order meeting the requirement.		
1266.	Vol 1 under Section Technical Proposal Point 29 sub point no 1.1,1.2,1.3 & 1.4	52 and 53	<p>Sole Bidder/any Member of Consortium:</p> <ul style="list-style-type: none"> • Work order / Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order; AND • Completion / Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead. <p>In case of large orders/orders with operations & maintenance phase, the completion certificate may specify successful commissioning status of a part of the order meeting the requirement.</p>	Request the Department to consider the ongoing project experience where the work order dated before 6 months from the date of submission. Work Order/ Contract agreement and CA certificate has to be submitted. Request you to kindly consider our request as most of Smart city tenders in recent times have considered the ongoing project experience.	RFQ cum RFP prevails
1267.	Vol 3 under 2.2.4.7 under portal point no FR 4.276	Page No 113	Portal server product should be an enterprise edition software from a reputable OEM and not a free community edition of an open source software.	Request you to kindly consider portal server for open source software	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1268.	Vol 3 under 2.2.3.21 under e-Mail Solution and Instant Messenger with Online Storage FR 4.1222	page no 179	e-Mail service solution shall be provided by MSI. E-Mail solution shall be enterprise and shall preferably be from the same Cloud Service Provider (CSP).	Request you to kindly make the changes as "e-Mail service solution shall be provided by MSI. E-Mail solution shall be enterprise solution"	RFQ cum RFP prevails
1269.	Vol 3 under 2.2.8.5 under Data Hosting for IIT BR 8.7	page no 220	Solution shall adhere to guidelines issued by Ministry of Electronics and Information Technology (MeitY) over time to time. Service Level for DC & DRC shall be as per MeitY guidelines. Only MeitY empanelled Cloud Service Providers shall be allowed to provide cloud hosting services for this Project. Deployment model of cloud shall be Government Community Cloud (GCC)/Public Cloud. Exact deployment model shall be finalized during design validation stage.	Request you to kindly consider Collocate services provided by data centre providers	RFQ cum RFP prevails
1270.	Volume - III-BR 1.1	14	End-to-End City wide Fiber Connectivity is required	Who will Prepare and Approve Network Connectivity?	RFQ cum RFP is clear
1271.	Volume - III-BR 1.1	14	End-to-End City wide Fiber Connectivity is required	Who will Pay the RoW Demand Notes?	It's a greenfield city and RoW is the property of DMIC IITGNL
1272.	Volume - III-BR 1.1	14	End-to-End City wide Fiber Connectivity is required	Do we have deemed RoW permission for State level Authorities Like PWD, MC, GP	It's a greenfield city and RoW is the property of DMIC IITGNL

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1273.	Volume - III-BR 1.1	14	End-to-End City wide Fiber Connectivity is required	Do we have deemed RoW permission for Central Authorities like Railway, Forest, NH, NHAI	It's a greenfield city and RoW is the property of DMIC IITGNL
1274.	Volume - III-BR 1.1	14	End-to-End City wide Fiber Connectivity is required	Please share the KMZ file along with marking of entire route, intermediate Nodes, Wi-Fi, Kiosk, CCTV locations	Master plan enclosed in RFQ cum RFP. Detail design will be the scope of MSI
1275.	Volume - III-BR 1.2	14	DMIC shall own end to end Fiber Infrastructure	RoW Permission to be bring on which name?	It's a greenfield city and RoW is the property of DMIC IITGNL
1276.	Volume - III-BR 1.2	14	DMIC shall own end to end Fiber Infrastructure	RoW payment will be made by DMIC?	It's a greenfield city and RoW is the property of DMIC IITGNL
1277.	Volume - III-FR 1.1	15	Backbone and Distribution Trench for 80m, 60m, 45m, 30m Right of Way - In this case there shall be concrete Encash.	Is it with respect to Depth or Length as it is mentioned in meter	These are RoW
1278.	Volume - III-FR 1.12	16	10 times 1x40mm (OD) HDPE Ducts for backbone, Distribution and Access Network	Means do we need to Lay 10 Ducts in Backbone, Distribution and Access Network?	RFQ cum RFP is clear
1279.	Volume - III-BR 1.6	16	Manholes and Handholes will be under MSI scope of work	Please confirm the minimum distance to be kept between Manhole and Handholes	As per Bidder's solution and site conditions
1280.	Volume - III-FR 1.75	19	POP facilities are co-location spaces for both DMIC IITGNL and Non-DMIC IITGNL infrastructure	Please share the lat-long and address of all POP locations	As per Bidder's solution
1281.	Volume - III-TR 1.29	22	In case of Road Crossing, Micro trenching restoration shall ne under the scope of MSI	Is it normal restoration or Re-instatement	RFQ cum RFP is clear
1282.	Volume - III-TR 1.51	24	Factory Testing Requirement:	What will be the sample size w.r.t entire quantity?	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			From each PLB-HDPE Duct presented by MSI for Fac		
1283.	Volume - III-2.2.2.1	50	End-to-End Public Wi-Fi services will be provided across Service places	Please share the Location with Lat-Long	To be finalized with successful Bidder
1284.	Volume - III-FR 2.4	54	The Target Bandwidth proposed per end user is 4 Mbps throughout the City	Bandwidth hiring cost will be part of MSI?	RFQ cum RFP is clear
1285.	Volume - III-2.2.3.1	61	As a part of Safe Smart City vision, IP based Video Surveillance System are proposed to be implemented	Kindly share the locations (Lat-Long) of CCTV	To be finalized with successful Bidder
1286.	Volume - III-3.1.12	196	Public Interactive Kiosk will be deployed across IIT	Kindly share the locations (Lat-Long) of Kiosk	To be finalized with successful Bidder
1287.	Volume - III-3.1.12	277	Comprehensive Maintenance of System and Service	During Maintenance of Network who will bear the RoW Cost	RFQ cum RFP is clear
1288.	Volume - III-3.1.12	277	Comprehensive Maintenance of System and Service	During Maintenance period if Road expansion is done who will bear the cost of Re-work	RFQ cum RFP is clear
1289.	Volume - III-3.1.12	277	Comprehensive Maintenance of System and Service	Who will bear the cost of Rework in case on Natural Calamities	RFQ cum RFP is clear
1290.	Volume III 2.2.4.3 Enhancement of Website Design and Construction FR 4.172	107	Secure the existing website prior to transitioning to the new platform	Kindly confirm whether website will be hosted over MeitY empanelled CSP or on-premise cloud.	RFQ cum RFP is clear
1291.	Volume III 2.2.4.28 Blockchain for Land Records	192	Blockchain for Land Records	As deployment for all applications is on MeitY cloud platform which follows all security guidelines by GOI and audited by STQC. Also block	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				chain as a service is provided by very few vendors in market hence requesting you to please allow deployment for this application on MeitY GCC cloud platform.	
1292.	Volume III 2.2.8.1 Data Security	211	2.2.8 TR -8 Technical Requirements	Kindly confirm whether listed configuration is to be followed only for on-premise deployment only or to be followed for cloud deployment for DC and DR also.	RFQ cum RFP is clear
1293.	Volume III 2.2.8.1 Data Security	211	Note that the client at its discretion may have the authority to carry a security audit of the entire system during the course of the Project or post implementation at regular intervals.	For maintaining security standard throughout project duration we request DMIC to conduct VAPT audits by Cert-IN empanelled agency for cloud infra. Suggested clause- <i>"All MSI must make sure all CSPs conduct VAPT audits by Cert-IN audited agency for cloud infra to be carried half yearly/ quarterly"</i>	Frequency of audits shall be in compliance with MeitY guidelines and RFQ cum RFP (whichever is earlier)
1294.	Volume III Security Testing (including penetration and vulnerability test)	292	Penetration test shall be carried out periodically and vulnerability analysis shall be carried half-yearly during maintenance phase.		Query not clear
1295.	Volume III 2.2.8.5 Data Hosting for IIT BR 8.7	220	Solution shall adhere to guidelines issued by Ministry of Electronics and Information Technology (MeitY) over time to time. Service Level for DC & DRC shall be as per MeitY guidelines. Only MeitY empanelled Cloud Service Providers shall be allowed to provide cloud hosting	Considering project requirement and security requirement, We believe DMIC should opt for security compliances as per MeitY GCC platform, hence requesting you to amend the said clause as - <i>"Solution shall adhere to guidelines issued by Ministry of Electronics and Information Technology (MeitY) over time to time. Service Level for DC & DRC shall be as per MeitY"</i>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			services for this Project. Deployment model of cloud shall be Government Community Cloud (GCC)/Public Cloud. Exact deployment model shall be finalized during design validation stage.	<i>guidelines. Only MeitY empanelled Cloud Service Providers shall be allowed to provide cloud hosting services for this Project. Deployment model of cloud shall be Government Community Cloud (GCC) only. Exact deployment model shall be finalized during design validation stage."</i>	
1296.	Volume III 2.2.8.5 Data Hosting for IIT FR 8.18	222	Cloud solution shall be accessible via both Internet and MPLS/VPN.	Kindly confirm no. of links (P2P/ MPLS) that will be terminated to cloud DC and DR respectively.	As per Bidder's solution to meet the RFQ cum RFP requirements
1297.	Volume III DISASTER RECOVERY CENTRE (DRC) / SECONDARY DC	222	Suggested additional clause	For business continuity planning and data security purposes, we suggest to add this clause (which is also mentioned in MeitY guidelines for CSP) - <i>"Proposed DR site should be in a different seismic zone or 100 km away from proposed cloud DC site and on-premise site"</i>	RFQ cum RFP prevails
1298.	Volume III 2.2.8.5 Data Hosting for IIT TR 8.193	225	Cloud service provider shall have redundant ISPs providing Internet connectivity to their data centre / network.	For world class redundancy at network level, we suggest to add this clause - <i>"CSPs must have minimum 5 ISPs at their data centre" (Undertaking from CSP shall be attached as proof)</i>	RFQ cum RFP prevails
1299.	Volume III PERSONALIZED DASHBOARD	228	Dashboards shall have the capability of integration and automation.	Please confirm what integrations and automations are expected.	RFQ cum RFP is clear
1300.	Volume III 2.2.9 City's Integrated Operations Centre (CIOC)	230	The CIOC facility will also serve as a host to Network Operations Centre (NOC)	We request DMIC to allow NOC operations for cloud to be performed at CSP site only either at shared basis or with dedicated resources.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				Please mention mode of NOC operation dedicated/ shared basis.	
1301.	Volume III 3.2.10.2 Installation and Implementation	307	MSI shall be responsible for hosting of applications mentioned in this document, including but not limited to:	As applications deployed on-premise that are Surveillance System-Video Management and Video Analytics, Building Management System (BMS) And Access Control System, Building Management System (BMS) And Access Control System, Facial Detector & Scanner for Access Control (Software) will need to have minimum latency and hence wont be operated fast from far situated cloud site. However please confirm whether DMIC will keep backup copy of these applications on cloud (except the one backup copy at on-premise setup if considered). Please provide inputs.	As per RFQ cum RFP
1302.	Volume III - TR 8.2	211	infrastructure from malicious attacks, thefts, natural disasters, etc.	Please provide No. of SSL VPN users for procuring license.	RFQ cum RFP is clear
1303.	Volume III - TR 8.65	213	The workstation shall be loaded with advanced antivirus, antispysware, desktop firewall, intrusion prevention (comprising of a single, deployable agent) which can be managed by a central server.	Where do we want to deploy the central antivirus solution Server: Cloud location or On Premise ? Also please Provide Server hardware specification and License details for Antivirus Solution.	RFQ cum RFP is clear
1304.	Volume III - TR 8.77	214	The Laptop device shall have the latest version of Web-GIS Enterprise	Please provide version and vendor details for Web-GIS Enterprise solution.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			solution along with its license.		
1305.	Volume III - FR 8.51	223	Sufficient amount of storage shall be provided to support the operational needs.	Please provide amount of storage and its specifications details.	As per Bidder's solution to meet the RFQ cum RFP requirements
1306.	Volume III - TR 8.229	227	There are no information available for the number of the application servers and database server to consider VM ware capex	Please provide the approximate compute power required	As per Bidder's solution to meet the RFQ cum RFP requirements
1307.	Volume III - TR 8.223	227	All cabinets shall be designed to carry the anticipated load of all equipment that shall be installed inside the cabinet with at least 30% spare per rack.	is there any information about number of user or application load	As per Bidder's solution to meet the RFQ cum RFP requirements
1308.	Volume III - TR 8.237	227	The Server shall include hard drives based on volume of data to be stored. The transaction data storage requirements shall be estimated based on total transactions & related calculations as per the functional requirements.	Please provide the approx. storage (SAN) capacity for SSD , non SSD and NAS	As per Bidder's solution to meet the RFQ cum RFP requirements
1309.	Volume III - BR 8.17	221	For on-premise server room, MSI shall deploy desired physical servers along with applicable hardware like storage, firewall, in the allocated server room	Will the Server room environment be handled by the DMIC IITGNL?	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1310.	Volume III - TR 3.2.10.2	306	MSI shall ensure that all data from cloud DC is backed up to Cloud DRC / Secondary DRC	Is there any criteria or fixed specifications for primary and secondary DR Sites?	RFQ cum RFP is clear
1311.	Volume III - TR 3.2.10.2	306	Internet Bandwidth Internet Data transfer – Internet Access port for Hosted Server GBPS 200	Is it 200 GBPS or 200 MBPS ?	RFQ cum RFP is clear
1312.	Volume III - TR 3.2.10.2	306	Provide all required IT infrastructure for on-premises applications.	Are we providing the Building access system? If so how many buildings and points of entry per building.	RFQ cum RFP is clear
1313.	Volume III - 8.103	215	MSI shall ensure that each location shall be fitted with outdoor enclosure/ field cabinet sized and dimensioned to host all equipment necessary to operate Surveillance, Wi-Fi and other ICT components as defined in this RFQ cum RFP.	Is MSI responsible to procure and provide the video surveillance system? If yes, please quantify how many Cameras? Internal premises/external city wide	RFQ cum RFP is clear
1314.	Volume III - TR 3.2.10.2	212	Operator Workstation	Approximately how many computers/laptops will need to be provided?	RFQ cum RFP is clear
1315.	Volume III - TR 3.2.10.2	212	Operator Workstation	How many locations will the computers/laptops be installed into?	RFQ cum RFP is clear
1316.	Volume III - BR9	233	CIOC shall include command and control centre, operator workstations, cabin and boardroom space along with a dedicated rack room.	Will the racks with equipment be installed into an existing DC or will the MIS need to provide the dc space? And DR space?	RFQ cum RFP is clear
1317.	Volume III - TR 8.8.3	214	The cabinets shall be capable of accommodating	Is there a limit to the amount of Racks?	As per Bidder's solution to meet the RFQ cum

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			all the network devices to support the design requirements and shall include at least size 42U racks.		RFP requirements.
1318.	Volume III - TR 3.2.10.2	307	Installation and Implementation	If the DC has redundant UPS supplied power. Do we still need to supply UPS power for racks. How long will backups need to be kept onsite? Long term storage? How many simultaneous user vpn connection are needed? City wide Wi-Fi coverage?	RFQ cum RFP is clear
1319.	Volume III - TR 2.2.8.5	220	Data Hosting for IIT	Can you quantify the required number of connections from: Investor/Citizen – Is this just open web based portal for general population access to online services Department User – How many total Department users and is VPN for backup access/remote access with other dedicated links providing primary access CIOC Operator – Are operators centralized or in multiple physical locations. How many locations? Is there streaming video requirements from here to the Primary Data Centre. CFC User – Elaborate on function Is there currently existing connectivity for each of these? Will that be maintained going forward or transitioned to other connectivity model(s)?	RFQ cum RFP is clear. MSI is responsible for detailed solutioning.
1320.	VOLUME III :	28	TR 1.121. Fibre optic cable	Request you to change the pulling	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	TERMS OF REFERENCE TR - 1 Technical Requirements OPTICAL FIBRE CABLE (OFC) OR FIBRE OPTIC CABLE (FOC)		shall be able to withstand a pulling tension of at least 2700N without any resulting damage.	tension value to 2500N as this is value as per standard for the asked constrution. TR 1.121. Fibre optic cable shall be able to withstand a pulling tension of at least 2500N without any resulting damage.	
1321.	VOLUME III : TERMS OF REFERENCE TR - 1 Technical Requirements UTP COPPER CABLE AND ACCESSORIES	31	TR 1.158. The cable shall have a water repellent filled core and shall have a sunlight and weather resistant jacket of polyethylene (e.g. XLPE). MSI shall propose solution to meet the requirements of the RFQ cum RFP for fulfilling this particular requirement.	Please add 2-3 types of Polythylene for more participation. TR 1.158. The cable shall have a water repellent filled core and shall have a sunlight and weather resistant jacket of polyethylene (e.g. XLPE/HDPE/MDPE). MSI shall propose solution to meet the requirements of the RFQ cum RFP for fulfilling this particular requirement.	RFQ cum RFP prevails
1322.	VOLUME III : TERMS OF REFERENCE TR - 1 Technical Requirements OPTICAL CONNECTORS	33	TR 1.190. Return Loss > -55dB;	As per ISO standard, -50db should be the value so request you to please change it. TR 1.190. Return Loss > -50dB;	RFQ cum RFP prevails
1323.	VOLUME III : TERMS OF REFERENCE TR - 1 Technical	34	TR 1.203. Dimensions: Width: 485 mm \pm 2 %; Depth: 300 mm \pm 2 %; and Height: 44 mm \pm 2%.	Request you to accept the requested dimensions as these are availibale with most of the OEMs.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Requirements FIBRE DISTRIBUTION AND MANAGEMENT SYSTEM (FDMS)/OPTICAL CABLE ENTRANCE FACILITY (OCEF)			TR 1.203. Dimensions: Width: 440 mm \pm 2 %; Depth: 300 mm \pm 2 %; and Height: 44 mm \pm 2%.	
1324.	VOLUME III : TERMS OF REFERENCE FR - 3 Functional Requirements CAMERAS WITH BUILT-IN VIDEO ANALYTICS	64	FR 3.9. Auto Tracker: To detect and track movement in the field of view.	Auto tracking features is applicable only for PTZ so request you to mention PTZ for better understanding. FR 3.9. Auto Tracker (For PTZ): To detect and track movement in the field of view.	RFQ cum RFP is clear
1325.	VOLUME III : TERMS OF REFERENCE TR - 3 Technical Requirements FIXED & PTZ CAMERA, LENSES AND MOUNTS	76	TR 3.16. All cameras shall have integral in-built adaptive IR technology. For fixed cameras, the IR shall support a range of at least 50 m and for PTZ it shall support a range of at least 100m moving with zoom (adaptive).	Long range IR in PTZ camera will help to detect/ identify the long distance scene in night time also and will help in long distance auto tracking. TR 3.16. All cameras shall have integral in-built adaptive IR technology. For fixed cameras, the IR shall support a range of at least 50 m and for PTZ it shall support a range of at least 150m moving with zoom (adaptive).	RFQ cum RFP prevails
1326.	VOLUME III :	76	TR 3.17. For Fixed	We would like to suggest wider view	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	TERMS OF REFERENCE TR - 3 Technical Requirements FIXED & PTZ CAMERA, LENSES AND MOUNTS		Cameras: The fixed camera shall provide a minimum focal length range of 2.8 - 12 mm or better compensated with a minimum 12x digital zoom and shall be remotely controllable from the camera control transmitter at Primary Control Centre	camera with 5-50mm lens specially for ANPR application, request you to accept the same. TR 3.17. For Fixed Cameras: The fixed camera shall provide a minimum motorized focal length range of 5 - 50 mm or better compensated with a minimum 12x digital zoom and shall be remotely controllable from the camera control transmitter at Primary Control Centre	
1327.	VOLUME III : TERMS OF REFERENCE TR - 3 Technical Requirements FIXED & PTZ CAMERA, LENSES AND MOUNTS	76	TR 3.17. For Fixed Cameras: The fixed camera shall capture video using 1/2.8" progressive scan CMOS or better.	Request you to accept the asked change as per the suggested camera in point no.-7. TR 3.17. For Fixed Cameras: The fixed camera shall capture video using 1/3.0" progressive scan CMOS or better.	RFQ cum RFP prevails
1328.	VOLUME III : TERMS OF REFERENCE TR - 3 Technical Requirements FIXED & PTZ CAMERA, LENSES AND MOUNTS	76	TR 3.17. For Fixed Cameras: Fixed Camera resolution shall be 2 Megapixels or better.	We would like to suggest higher megapixel camera specially for ANPR & ATCC application, request you to accept the same TR 3.17. For Fixed Cameras: Fixed Camera resolution shall be 4 Megapixels or better.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1329.	VOLUME III : TERMS OF REFERENCE TR - 3 Technical Requirements GENERAL FOR SURVEILLANCE SYSTEMS	79	TR 3.81. The camera shall incorporate a built-in web server, built-in FTP server, and a built-in FTP client.	Normally camera is having built-in web server and FTP client to access and upload the files in external FTP server. There is no use of built-in FTP server in camera so request you to make it optional. TR 3.81. The camera shall incorporate a built-in web server/ FTP server, and a built-in FTP client.	RFQ cum RFP prevails
1330.	VOLUME III : TERMS OF REFERENCE TR - 3 Technical Requirements GENERAL FOR SURVEILLANCE SYSTEMS	79	TR 3.83. The cameras shall support at the minimum two individually configured video streams. The cameras shall be capable of two simultaneous streams with one of the streams being in H.264 or better format.	H.265 will save almost 50% storage & bandwidth as compared to H.264 so request you ask for both compression support. TR 3.83. The cameras shall support at the minimum two individually configured video streams. The cameras shall be capable of two simultaneous streams with one of the streams being in H.265 or better format.	RFQ cum RFP prevails
1331.	Company Profile	47	The Bidder (Partner in charge in case of Consortium) shall be in incorporated/ registered and in operations for a period of at least five (5) years as on published date of RFQ cum RFP.	Can a foreign firm be a part of this with an consortium where the lead Bidder fulfilling the Qualifying Criteria.	Refer to Corrigendum
1332.	Company Financials & Profile	48	The Bidder (sole bidder) shall have an average	can there be an relaxation for MNC's want to participate.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			annual turnover of INR 100 Crores over the last three (3) Financial Years (FY 2016-17, 2017-18 and 2018-19). In case of a Consortium/JV, partner in charge shall meet at least 50% of the total revenue criteria.		
1333.	Integrated Operations Centre / Command and Control kCentre	48	<p>The Bidder (any member in case of consortium) shall have successfully commissioned/Go-Live at least two (2) projects related to implementation of Integrated Operations Centre/Command and Control Centre integrating at least two (2) different city/campus-wide sensors / applications out of the following Eight (8) sensors / applications at the Command and Control Centre:</p> <ol style="list-style-type: none"> 1. Surveillance; 2. Communication network; 3. Environmental Sensors; 4. Streetlight System; 5. e-Governance / ERP; 6. GIS; 7. Intelligent Traffic Management System; 8. Utilities. 	In this parameter , Internation Projects impleneted outside india will be considered.	Yes

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Minimum value shall be INR 10 crores per project during last seven (7) years as of RFQ cum RFP publish date.		
1334.	JV/Consortium 5.2	50	Bids from JV/Consortium of up to three members are accepted provided the JV/Consortium as a whole meets all the eligibility/qualification criteria.	will all the 3 JV's should cover all the 3 components of the parameters for prerequisite.	RFQ cum RFP is clear
1335.	VOLUME III : TERMS OF REFERENCE TR - 1 Technical Requirements FIBRE DISTRIBUTION AND MANAGEMENT SYSTEM (FDMS)/OPTICAL CABLE ENTRANCE FACILITY (OCEF)	34	TR 1.203. Dimensions: Width: 485 mm \pm 2 %; Depth: 300 mm \pm 2 %; and Height: 44 mm \pm 2%.	Request you to delete the dimensions as every OEM have their own design.	RFQ cum RFP prevails
1336.	VOLUME III : TERMS OF REFERENCE TR - 3 Technical Requirements FIXED & PTZ CAMERA, LENSES AND MOUNTS	76	TR 3.17. For Fixed Cameras: The fixed camera shall provide a minimum focal length range of 2.8 - 12 mm or better compensated with a minimum 12x digital zoom and shall be remotely controllable from	To control from the remote end, camera should have auto zoom & auto focus features or in other words should have motorized varifocal lens TR 3.17. For Fixed Cameras: The fixed camera shall provide a minimum focal length range of 2.8 - 12 mm or better compensated with	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			the camera control transmitter at Primary Control Centre	auto zoom, auto focus, minimum 12x digital zoom and shall be remotely controllable from the camera control transmitter at Primary Control Centre .	
1337.		79	TR 3.81. The camera shall incorporate a built-in web server, built-in FTP server, and a built-in FTP client.	FTP Server in camera is OEM specific, also not worth to have in IP camera. TR 3.81. The camera shall incorporate a built-in web server, built-in FTP server , and a built-in FTP client.	RFQ cum RFP prevails
1338.	Volume III - Section 2	8	Table 2- Integration with other components	Though MSI will coordinate with other Contractors and also produce necessary API for 3rd party component integration with Integrated Command and Control center, responsibility of providing required API and Protocols shall be of contractor and DMIC IITGNL would be issuing all letters and helping MSI obtain the required API/Protocol from contractor. In case contractor does not issue required API/Protocol within 14 days, this activity should not be linked with payment milestones because of dependency from external contractor. Such activity can be performed in later phases	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				whenever the required API/Protocols are provided.	
1339.	Volume III - Section 2.2.2 - WiFi BR-2	53	BR 2.9 Wi-Fi services shall be offered in compliance with the regulations and policies from both TRAI and DOT. BR 2.10 Wi-Fi Operator shall be a Licensed ISP in India who shall be able to meet all requirements for operations of network.	Since this has to be done by Licensed ISP, we understand that DMIC IITGNL will do Tri-Party Agreement between MSI, ISP and themselves. The payments for WiFi bandwidth would be billed and paid directly between ISP & DMIC-IITGNL. Please confirm if understanding is correct, else kindly clarify how this legalities would happen	RFQ cum RFP is clear
1340.	Volume III; FR-9 Functional Requirements ; Video Display Wall	242	FR 9.146: Gaps between screens shall be negligible to view HD graphics on multi screens.	Kindly provide more clarifty on gaps between the screen; request you to change it to Gaps between screens shall be atleast 1.0mm or less to view HD graphics on multi screens	RFQ cum RFP prevails
1341.	Volume III; TR - 9 Technical Requirement; VIDEO DISPLAY WALL (VDW)	244	TR 9.8: The Cube shall have inbuilt redundancy in power supply and laser/LED light source.	Request you to change it to The Cube shall have inbuilt redundancy in laser light source & Its Power supply	Refer to Corrigendum.
1342.	Volume III; Section:3.2.8	301	3.2.8 ICT Interface for Water, Power, Automated Waste Collection System and Streetlight Infrastructure · EPC Contractor shall provide for the following: Ø SCADA for water distribution system; Ø AMR meters for water at individual plots; Ø SCADA sensors at water reservoirs and	Clarification: Specified Bill of quantity for water utility management ,AMR meters,scada sensors is not mentioned anywhere in tender document kindly provide detail BOQ ,Drawings for that.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<p>pumping stations; Ø Feeder based streetlight SCADA system; Ø Automated suction-based waste collection system from individual plots till waste collection sites.</p> <p>MSI shall work in close coordination with EPC Contractor and ensure all integrations at CIOC as per finalized design requirements are catered;</p> <ul style="list-style-type: none"> · Power SCADA system in being installed by Electrical Contractor. AMR meters are also installed at every plot for consumption monitoring and billing. <p>Upon handover of Electrical SCADA system, Power Discom, appointed by the Client, will undertake operations of the Power SCADA. MSI shall work in close coordination with Electrical Contractor and Power Discom to ensure all integrations at CIOC as per finalized design requirements are catered;</p> <ul style="list-style-type: none"> · It is expected that not all functionality of this infrastructure will be 		

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			<p> duplicated at the CIOC but only critical parameters shall be enabled at the CIOC. This shall be finalized by the MSI in consultation with the Client, the EPC Contractor, Electrical Contractor, Power Discom and the ICT consultant; <ul style="list-style-type: none"> · EPC Contractor and Electrical Contractor shall provide water and power meters respectively with in-built M2M communications module. MSI shall work with the EPC and Electrical Contractor to finalize the communications requirements of these meters and integrate them with the overall system; · Integrate the operations and maintenance of this infrastructure with the IIT Software Modules (ISM); </p>		
1343.		NA	Additional Request	Please Provide Detail BOQ for VARIABLE MESSAGE DISPLAY (VMD) software and mounting structure is not mentioned anywhere in tender document	VMD BoQ item shall include VMD software and mounting structure
1344.	Volume-3,section:TR 3.63	78	The VMD shall support R3 class contrast ratio and B6+ class beam width as per	Clarification: Please specify the Luminance L2 or L3	As per Bidder's solution to be meet the RFQ cum RFP requirements.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			IRC/EN 12966 standard.		
1345.	Volume-3, section: TR 3.56	78	The minimum dimension of the VMD shall be 3m in length, 1.5m height and 0.2m in depth.	Clarification: Please specify the minimum display size also	RFQ cum RFP is clear
1346.	Volume III, BR7 .2 Functional Requirement	pg.224	BMS shall monitor and control the sub-systems being supplied by MSI for the CIOC area which included CIOC room, Board room, Manager Cabin, Rack room, UPS room, TSP area, CFC room. BMS shall also integrate systems which will be installed by EPC Contractor at the Admin Building	Bidder request you to provide a Detailed IO Summary of all Utilities i.e. Qty of Chillers, Pumps, AHUs etc , Electrical Panels, Fire Hydrant System Pumps etc. which we need to consider for BMS Integration so that accordingly the BMS Software can be planned.	As per Bidder's solution to be meet the RFQ cum RFP requirements.
1347.	Volume III, BR7 .11 Functional Requirement	pg.224	Integrate BMS or IP enabled fire alarm system at the CIOC for all plots where the respective BMS or IP enabled fire alarm system shall be provided by the respective plot holder	Bidder request to give the clarity as to what is expected from this Integration.	RFQ cum RFP is clear
1348.	Volume III, FR7 .18 Functional Requirement	pg.226	Access Control System shall be interfaced with the Building Management System (BMS) for integrated monitoring and control of all the building utilities.	Bidder request to Clarify that our understanding is that the Access Control will be hardwired to the BMS so that all Alarms can be visible on BMS also.	As per Bidder's solution to be meet the RFQ cum RFP requirements.
1349.	Volume III, FR7.19 Functional Requirement	pg.226	Access Control system shall be interfaced with HR Management System of	Our understanding is that the Access Control Software needs to give the IN/OUT Data in Excel or	As per Bidder's solution to be meet the RFQ cum RFP requirements.

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			the designed ISM system for attendance management and work-time calculations.	.csv Format to the HR Management System. Request you to clarify.	
1350.	Volume III, TR 8.119 Technical Requirement	pg.236	The MSI shall provide the calculations to support the UPS rating and number of batteries as part of the Bid submission. UPS shall be provided as N+1 physically redundant configuration	Clause 8.119 asks for N+1 Redundancy. However in RFP Volume 1 Item 8.7.1 and 8.7.2 the UPS Quantities are mentioned as 1. We feel it should be 2 Nos. to take care of Redundancy. Request you to clarify.	As per Bidder's solution to be meet the RFQ cum RFP requirements.
1351.	Volume III, 2.2.9 City' Integrated Operations Centre	pg.248	As part of the IIT Smart City Project, it is envisaged that City's Integrated Operations Centre (CIOC) at IIT admin building will act as the 'nerve' of IIT that will help in making the city operations intelligent, integrated and efficient.	Bidder understands that a Total of 3000 Sq.ft Area within Four Walls will be provided in the Admin Building to make the CIOC. We request you to provide the following details: 1. Floor to Floor Height of the Admin Building. 2. Which Floor is the CIOC Planned? 3. Auto CAD Layout of the 3000 Sq. FT Area.	Details to be shared with successful Bidder.
1352.	Volume I, 9.13 Testing Control Centre	pg.126	Testing Control Centre Civil Works including interiors, electrical, mechanical, structural, communications, fire, fitouts, furniture etc. - 500 Sq. FT	Bidder request you to clarify wether this area will also be inside the Admin Building ?	No. Testing Control Centre will be in a separate building at site.
1353.	FR - 3 Funtional Requirement	FR 3.11 pg.64	The Storage solution proposed is that the video feed would be available for 30 days. After 30 days, the video feed would be overwritten or Archived	Bidderd request to clarify if the Video data will be overwritten or would be Archived on different storage for the project durations. For Arichival Bidder need to propose separate storage space if yes what	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			unless it is flagged or marked by the Police or DMIC IITGNL for investigation or any other purpose. The Video feeds for all relevent cameras capturing the incedent in question would be stored until the Police or DMIC IITGNL deem it good for deletion	would be the propotion for the space.	
1354.	FR - 3 Funtional Requirement	FR 3.12 pg.64	For incidents that are flagged by the Police, DMIC IITGNL or any court order, the video of the relevant portion from all the relevant cameras should be stored/archived separately for the investigation purpose and a committee at Authority can decide when this Video feed can be deleted. All flagged data shall be stored on cloud for the projectr duration	Bidders request to clarify if the primary storage and archival storage space has to be proposed on different storages	As per Bidder's solution. Storage sizing to be done accordingly.
1355.	2.2.8.5 Data Hosting for IIT	BR 8.5 pg.220	Hosting infrastructure shall include cloud Data Center (DC) and cloud disaster Recovery Center (DRC) services for hosting of applications.	Bidders request to clarify if the DC & DRC will be identical sites for IT infrastructure deployments	RFQ cum RFP is clear
1356.	2.2.8.5 Data Hosting for IIT	BR 8.6 pg.220	Cloud Platform/Infrastructure/Sol ution i.e. DC and DRC shall host all applications	Bidders requests to clarify if the all Video data (including ANPR and VMS) will be stored locally on premises.	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			excluding video surveillance as part of this Project. .		
1357.	2.2.8.5 Data Hosting for IIT	CLOUD INFRASTRUCTURE / HOSTING AT DATA CENTRE FR 8.19 pg.222	DC Cloud Infrastructure facilities shall have routers, firewalls, LAN, WAN, internet access, and hosting centres, backup, operations management, and data management capabilities.	1) Bidders request to clarify the backup approach seeking for the required solution 2) Bidders request to clarify where the backup will be stored, please clarify if bidder has the option to propose D2D or D2T solution approach	As per Bidder's solution
1358.	Volume III / TR-3 Technical Requirement/PTZ camera	Page 76	Image Sensor :- 1/1.9" Progressive Scan CMOS	Request you to please mention the sensor size to get the fine product	RFQ cum RFP prevails
1359.	Volume III / TR-3 Technical Requirement/PTZ camera	Page 76	Focal Length 5.7-205mm or better, 36x Optical	Request you to please mention the lens size 5.7-205mm which is equivalent to the 36x optical zoom and very much required for the city side area.	RFQ cum RFP prevails
1360.	Volume III / TR-3 Technical Requirement/PTZ camera	Page 76	IR Distance 200 Mtr or Above	Request you to please add IR feature in-camera specification at least 200 mtr for night viewing IR function is very much required	RFQ cum RFP prevails
1361.	Volume III / TR-3 Technical Requirement/PTZ camera	Page 76	Wiper, Heater & Blower Built-in	The camera must have wiper functionality to clean the glass , request you to please add this feature in the PTZ camera specifications.	RFQ cum RFP prevails
1362.	Volume III / TR-3 Technical Requirement/Fixed Camera	Page 76	IR Distance Up to 70m	Request you to please add IR feature in-camera specification at least 70 mtr for night viewing IR function is very much required	RFQ cum RFP prevails
1363.	Volume III / TR-3 Technical Requirement/Fixed	Page 76	ONVIF Profile (S, G & T)	Request you to please add ONVIF Profile to ensure compatibility with third-party camera devices.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Camera				
1364.	Additional	NA	Request to incorporate OEM pre-qualification criteria so that maximum reputed and global OEM are encouraged to participate in this RFP. Since the camera industry is penetrated deeply with the presence of sub-standard relabelled and Chinese Brand the current RFP doesn't provide any qualification criteria to ensure that only the strong, reputed and global makes are qualified in this RFP. These recommended OEM Criteria will ensure the quality participation.	<p>1: The proposed camera OEM should be a member in any of the present "ONVIF Steering Committee (Technical Committee/ Technical Services and Communication Committee)</p> <p>2: Direct presence of OEM in India for more than 10 years as on bid submission date (not as joint venture, partnership firms or through any other association) and global presence in same manufacturing line from last 20 years</p> <p>3: The Brand of the IP Camera, Storage, Software and Network Switches should not have been banned by any country or government department in any country or grounds of any cheating, fraud or Cyber Threat case filed against their company for their respective product line.</p> <p>4: The Brand of the IP Camera, Storage, Software and Network Switches should not be a company having its major shareholding stake by any government or its entity or originated/founded by personnel of Defense origin outside India.</p> <p>5: The CCTV OEM should have its toll free number for any technical support query from the SI or end customer which is very much required for such a big project.</p> <p>6: The MAC address of the IP</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				<p>cameras must be registered in the same name of OEM supplying the cameras.</p> <p>7: Self-Owned Service Center and RMA set up in India for last 5 years from the date of submission of bid (not as joint venture, partnership firms or through any other association)</p> <p>8: The Camera and VMS OEM should have supplied at least 5000 IP Cameras and minimum 500 Network Video Recorder in any of the Critical government Premises such as Courts, Airport and Prison in India as on bid submission date cumulatively in maximum 2(two) order. Camera and NVR both should have been supplied together as a solution.</p>	
1365.	Vol 1, Section 5.1a, Serial No.2	48	<p>The Bidder (sole bidder) shall have an average annual turnover of INR 100 Crores over the last three (3) Financial Years (FY 2016-17, 2017-18 and 2018-19). In case of a Consortium/JV, partner in charge shall meet at least 50% of the total revenue criteria.</p>	Bidder request to please increase the turnover criteria to atleast 2 - 3 times of the budgeted project value	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1366.	Vol 1, Section 5.1a, Serial No.4	48	The Bidder (Partner in Charge in case of consortium) shall setup and maintain a temporary office on site within Thirty (30) days of signing of Contract.	Please provide a minimum of 60 Days to setup temporary office	RFQ cum RFP prevails
1367.	Vol 1, Section 5.1a, Serial No.5	48	The Bidder (any member in case of consortium) shall have successfully commissioned/Go-Live at least two (2) projects related to implementation of Integrated Operations Centre/Command and Control Centre integrating at least two (2) different city/campus-wide sensors / applications out of the following Eight (8) sensors / applications at the Command and Control Centre: 1. Surveillance; 2. Communication network; 3. Environmental Sensors; 4. Streetlight System; 5. e-Governance / ERP; 6. GIS; 7. Intelligent Traffic Management System; 8. Utilities.	Bidder requests to please add few more applications which are also a core of any smart city: 1. Solid Waste Management 2. City Portal 3. Smart Parking	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Minimum value shall be INR 10 crores per project during last seven (7) years as of RFQ cum RFP publish date.		
1368.	Vol 1, Section 5.4	51	Sub-Contractors: Sub-contracting is allowed only till 30% value of the financial proposal quoted by the Bidder. Work orders raised by the Bidder to the Sub-Contractor shall be submitted to the Client for verification that sub-contracting value does not exceed 30%.	Bidder request to please make this flexible	RFQ cum RFP prevails
1369.	Technical Evaluation and Marks- S No.1.1 - Project Experience	52	The Bidder (any member in case of consortium) shall have successfully commissioned/Go-Live at least two (2) projects related to implementation of Integrated Operations Centre/Command and Control Centre integrating at least two (2) different city/campus-wide sensors / applications out of the following Eight (8) sensors / applications at the Command and Control Centre:	Bidder requests to please add few more applications which are also a core of any smart city: 1. Solid Waste Management 2. City Portal 3. Smart Parking	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			1. Surveillance; 2. Communication network; 3. Environmental Sensors; 4. Streetlight System; 5. e-Governance / ERP; 6. GIS; 7. Intelligent Traffic Management System; 8. Utilities. Minimum value shall be INR 10 crores per project during last seven (7) years as of RFQ cum RFP publish date. Number of Projects: 1) =2: 10 marks 2) =3: 15 marks 3) >3: 20 marks		
1370.	Technical Evaluation and Marks S No.1.3 - Project Experience		The Bidder (any member in case of consortium) shall have successfully commissioned / Go-Live at least two (2) projects related to implementation and support of software applications including modules like Finance, Human Resource and Payroll, Utility Billing, Asset Management, Mobile Applications, Citizen	Bidder requests to please add few more applications which are also a core of any smart city: 1. IT Security 2. Network Management Application 3. MIS Applications	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Service Portal, Grievance Redressal, Building Plan Approval System, File Management System/Document Management System (At least Three out of Nine). having a minimum value of INR 3 crores per project during last seven (7) years as of RFQ cum RFP publish date. Number of Projects: 1) =2: 10 marks 2) =3: 15 marks 3) >3: 20 marks		
1371.	Volume 3, TR-9 Technical Requirements/Contact Center Solution	253	TR 9.199:The IVRS shall establish two-way communication on the same channel with customers through recorded synthesized voice in Hindi / English or in combination of languages to give information, reply to queries and provide other. Number of concurrent users shall be approximately 15.	Combination language will hindi/ english of ivrs or any other language please specify	RFQ cum RFP is clear
1372.	Volume 3, TR-9 Technical	254	TR 9.220: System shall support auto-forward	Here is patching means conferencing? Details are required	RFQ cum RFP is clear

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Requirements/Contact Center Solution		capabilities to pre-defined cell phone numbers i.e. auto patching	on the expectation of the functionality?	
1373.	Volume 3, TR-9 Technical Requirements/Contact Center Solution	254	TR 9.222:Contact Centre shall come with appropriate server (to be hosted on cloud). Recording of call shall be done via the server. Call recording for 60 days shall be available through the server. Backup and archiving of call recordings shall be available and done by the MSI.	Solution should be hosted on cloud? It will be on Public or private cloud? Why on public cloud?	RFQ cum RFP is clear
1374.	Volume 3, FR-4-Functional requirement/Instant messaging services	179	The proposed solution should be a commercially available enterprise class SAAS Solution, preferably provided by the CSP proposed for the Project.	Need more clarification on this. Also, can MSI propose solution on SaaS by other provider (not by CSP proposed for this project)	RFQ cum RFP is clear
1375.	Volume 3, FR-4-Functional requirement/Instant messaging services	180	Cloud based collaborative solution should mandatorily support meeting joining experience from all the latest browser and delivers a full online meeting experience including IM, voice, multiparty video, data collaboration and sharing	Deployment will be public or private cloud	RFQ cum RFP is clear
1376.	Volume 3, FR-4-Functional requirement/Instant messaging services	180	Ability of the cloud based Online Meeting and Instant Messaging solution to support a meeting to up to 50 participants in a single	will solution deployed in public cloud?	RFQ cum RFP is clear. Online meeting and instant messaging solution shall support a meeting to up to 250

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			session		participants in a single session. Refer to Corrigendum.
1377.	Volume 3, FR-4-Functional requirement/Instant messaging services	180	Ability to record meeting in the cloud & making it available for future reference	will solution deployed in public cloud?	RFQ cum RFP is clear
1378.	Volume 3, TR-9 Technical Requirements/Video Conferencing system	247	Controls of the VC system shall be accessed via the room control system to maintain a single source for control.	Not all OEMs will be able to comply to this point, please make this point optional	RFQ cum RFP prevails
1379.	Vol 1, Section 2, A, 3.2	20	3.2 To this end, the Bidder shall permit and shall cause its suppliers, contractors and sub-contractors to permit the Client to inspect their accounts, records, and other documents relating to the submission of the Proposal and Contract performance and to have them audited by auditors appointed by the Client, if the Client desire so.	Bidder can accommodate audit requirements subject to be confined to business records relating to the Bidder/Client contract. Additionally, Bidder requests and submits that: (a) auditors must not be Bidders competitors; (b) the scope and purpose of such audits must be well defined (e.g., charges, service level performance, security and other controls, etc.). (c) scope must exclude Bidder's internal operations and costs, as well as other customers' data and services; (d) audit procedures must comply with Bidder's reasonable requirements (e.g., concerning prior notice, security, confidentiality) and avoid any disruption of normal operations; (e) Bidder under such Audits will not disclose its internal or external	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				audits, summaries or reports. Bidder also submits that expenses related to the audit shall be borne by the Client.	
1380.	Vol 1, Section 2, C, 20 (d) (iv) and (v)	36-37	(iv) fails to fulfil any other condition precedent to the execution of the Contract within the stipulated time, as specified in the letter of award; or (v) fails to execute the Contract within the stipulated time	Bidder requests clarification on sub-clause (iv) that no new T&C/ condition precedent will be imposed through the letter of award what has already been made in this clause. On sub-clause (v), Bidder requests a clarification that the EMD will be forfeited only in the event of failure of Bidder to execute the mutually agreed or negotiated contract within the stipulated time based on the terms of the RFP. This request is in line with Clause 32 of Vol 1 , Section 2E of the RFP.	RFQ cum RFP is clear
1381.	Vol 1, Section 2, E, 32	44	Negotiations	Bidder requests a clarification that in the event negotiation fails with the Successful Bidder and contract is awarded to the next ranking Bidder, the EMD of the Successful Bidder will be returned.	Yes
1382.	Vol 2, Section I, Article 3.1 (c)	3	(c) The MSI has submitted to the Client the copy of the insurances in accordance with GCC Clause_25__	Bidder submits that owing to global insurance coverage, it would not be possible to submit the copy of insurance for this particular project. Hence bidder requests deletion of this clause.	RFQ cum RFP prevails
1383.	Vol 2, Section I, Article 3.1 (d)	3	(d) Obtaining all necessary approvals, if any, required for the performance of the Services under this	Bidder requests clarification on list of approvals indicated in this clause along with the responsibility of Bidder or Client to procure such approvals.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Contract at the time of signing of the contract		
1384.	Vol 2, Section I, Article 18.1.7	20	(a) If the termination takes place before the Operational acceptance, the cost of completing the System by the Client as per the Contract shall be determined. If the sum that the MSI is entitled to be paid, pursuant to GCC Clause 18.1.6 (a), plus the reasonable costs incurred by the Client in the completing the Scope of Work, exceeds the Total cost, the MSI shall be liable to reimburse such excess money to the Client.	Bidder requests a clarification that any excess cost which MSI shall be made liable to reimburse will not exceed 10% of the quoted cost of the deliverable.	RFQ cum RFP prevails
1385.	Vol 2, Section I, Article 18.1.15	22	The Client may at any time terminate the Contract for any reason by giving the MSI a notice of termination that refers to this GCC Clause 18 c.	Bidder requests a clarification that such notice for termination at Client's convenience shall be invoked by giving an advance notice of 60days.	RFQ cum RFP prevails
1386.	Vol 2, Section I, Article 19.1 (v)	24-25	(v) breach of the MSI's obligations under the Contract;	Bidder requests deletion of this sub-clause. For breach of contract, the Client has option of invocation of LD, levying SLA penalty and termination of the Contract and indemnity, being a special remedy, is not sought for a general breach of the Contract. This request is in line with acceptable & general commercial parlance.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1387.	Vol 2, Section I, Article 21.6	28	21.6 The MSI shall not subcontract (unless otherwise specified in the SCC) any part of the Services required of MSI under this Contract.	Bidder requests a clarification that sub-contracting shall be allowed subject to approval of the Client which shall not be withdrawn unreasonably.	Subcontracting as per terms and conditions of the RFQ cum RFP has been allowed. RFQ cum RFP is clear
1388.	Vol 2, Section I, Article 22.1.2	29	22.1.2 The MSI agrees that, during the term of this Contract and after its termination/completion, the MSI and its Affiliates, shall be disqualified from providing consultancy related to the Services, for the implementation of the Smart City ICT Components Project to the Client, unless otherwise indicated in the SCC.	Bidder requests deletion of this clause.	RFQ cum RFP prevails
1389.	Vol 2, Section I, Article 24.1	31	24.1 Subject to the exclusions set out in the SCC, the overall liability of the MSI and the Client under this Contract shall not exceed the Contract Price, provided that this limitation shall not apply to any obligation of the MSI to indemnify the Client with respect to intellectual property rights infringement.	Bidder requests deletion of the wordings " <i>Subject to the exclusions set out in the SCC</i> " in this clause as this insertion is making the clause very open ended. Alternatively, Client may help in listing the exclusions to the Limitation of Liability to have the clarity.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1390.	Vol 2, Section I, Article 25	31	25. Insurance to be Taken out by the MSI	Bidder submits that owing to global insurance coverage, it would not be possible to submit the copy of insurance for this particular project. Hence bidder requests deletion of this clause.	RFQ cum RFP prevails
1391.	Vol 2, Section I, Article 26	32	26. Accounting, and Auditing	Bidder can accommodate audit requirements subject to be confined to business records relating to the Bidder/Client contract. Additionally, Bidder requests and submits that: (a) auditors must not be Bidders competitors; (b) the scope and purpose of such audits must be well defined (e.g., charges, service level performance, security and other controls, etc.). (c) scope must exclude Bidder's internal operations and costs, as well as other customers' data and services; (d) audit procedures must comply with Bidder's reasonable requirements (e.g., concerning prior notice, security, confidentiality) and avoid any disruption of normal operations; (e) Bidder under such Audits will not disclose its internal or external audits, summaries or reports. Bidder also submits that expenses related to the audit shall be borne by the Client.	RFQ cum RFP prevails
1392.	Vol 2, Section I, Article 28.2	33	28.2 All Key Experts as proposed by the MSI should be full time	Bidder requests that the employees of the sub contractor engaged by the	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			employees of the MSI (or JV/Consortium members).	MSI is permitted to be deployed in appropriate cases.	
1393.	Vol 2, Section I, Article 39	38	39. Securities	Bidder requests an option to renew the performance security on yearly basis to ensure its validity as per the terms of the RFP.	RFQ cum RFP prevails
1394.	Vol 2, Section I, Article 40.2	39	40.2 No payment made by the Client herein shall be deemed to constitute acceptance by the Client of the System or any Subsystem(s).	Bidder requests deletion of the Clause.	RFQ cum RFP prevails
1395.	Vol 2, Section I, Article 42	40	42. Copyright	Bidder requests a clarification that no transfer of IP will occur by means of this engagement and that the Bidder shall provide the Authority necessary licenses to use the products / services as per the terms of the Contract. Existing clause in the RFP may be simplified to capture this intention. Requirement of handing over the source code of software is requested for deletion.	RFQ cum RFP prevails
1396.	Vol 2, Section I, Article 42.3	40	42.3 The Client may assign, license, or otherwise voluntarily transfer its contractual rights to use the Standard Software or elements of the Standard Software, without the MSI's prior written consent, under the following circumstances:	Bidder requests deletion of the Clause.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1397.	Vol 2, Section I, Article 55	55	55. Operational Acceptance Time Guarantee	Bidder requests deletion of the wording "Guarantee" from this clause wherever appearing.	RFQ cum RFP prevails
1398.	Vol 1 - 1.3 -	128	7.The Client has the right to increase / decrease the quantities and the Supply & Installation costs will be adjusted as per the unit costs indicated above.	Bidder requests confirmation that BOQ will be the final price.Any change to the BOQ will go through a CR.	Yes
1399.	Vol 2 - II GCC - 17	20	Suspension	Bidder requests deletion of this clause as penalties are in place.	RFQ cum RFP prevails
1400.	Vol 2 - II GCC - 37	42	Taxes and Duties	Bidder requests confirmation that ay upside or downside of taxes to be borne by the respective parties.	RFQ cum RFP is clear
1401.	Vol 2 - II GCC - 40	43	Mode of Billing and Payment - 40.3 - Payments will be made promptly by the client but in no case later than 45 days after the submission of valid invoiceby the MSI	Bidder request changes in this clause to 40.3 - Payments will be made promptly by the client but in no case later than 45 days 30 days after the submission of valid invoiceby the MSI	RFQ cum RFP prevails
1402.	Vol 2 - II GCC - 40	43	Mode of Billing and Payment - 40.4 - Any Payment required to be withheld under any applicable law	Bidder requests deletion of this clause as penalties are in place.	RFQ cum RFP prevails
1403.	Vol 2 - III SCC	76	GCC 1	This clause contradicts the project milestone defined in vol 3 of the RFP. Please clarify	Query not clear
1404.	Vol 2 - III SCC	79	GCC 40.1 - Supply and Instillation payments Mobilization advance against submission of 110% Additional Bank Guarantee (BG) of the	GCC 40.1 - Supply and Instillation payments (% on capex cost) Supply of Equipment at site for Phase 1 and Phase2 - 40% of C Supply of Equipment at site for	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			amount of mobilization advance* 10% of C Supply of Equipment at site for Phase 1 and Phase 2 5% of C Supply of Equipment at site for Phase 3 and Phase 4 5% of C Approval of Detailed Project Report (DPR) 5% of C Go-Live and Operational Acceptance of Phase1 10% Go-Live and Operational Acceptance of Phase 2 10% Go-Live and Operational Acceptance of Phase 3 10% Go-Live and Operational Acceptance of Phase 4 5% End to end Go-Live with any bug fixing over three months post implementation of Phase 4 (Operational Acceptance of the Project) 10%	Phase 3 40% of C Go-Live and Operational Acceptance of Phase1 10% Go-Live and Operational Acceptance of Phase 3 10%	
1405.	Vol 2 - III SCC	80	Recurrent cost (RC)	Bidder request payment of quarterly in ADVANCE in equal instalments.	RFQ cum RFP prevails
1406.	Vol 2 - III SCC	82	GCC 55.2 - LD	Bidder request LD capped to 10% of the delayed deliverable.	RFQ cum RFP prevails
1407.	Vol 2 - III SCC	92	4.5.2 SLA	Bidder requests individual SLA categories to be capped to 2% of the delayed deliverable	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
1408.	Vol 2 - III SCC	92	4.3.2 SLA	Bidder request entire SLA capped to 10% of the quarterly support value as per the industry standards.	RFQ cum RFP prevails
1409.	Vol II: General Conditions of Contract ; Clause 18.1. 4 (f)	Pages 5 to 24	Clause 18.1. 4 (f) deliver to the Client all Intellectual Property Rights, if any, specifically made during the execution of the contract for the Client's project	Not agreeable, we request to propose deletion.	RFQ cum RFP prevails
1410.	Vol II: General Conditions of Contract; Clause 18.1.17 Sub-clause (a)	Page 23	Clause 18.1.17 Sub-clause (a) the Contract Price, properly attributable to the parts of the System executed by the MSI and payable recurrent cost on pro-rata basis, if project is in Maintenance Period, as on the date of termination	Request be modified to state that - The Client should make full payments towards all the work performed, including but not limited to, certified or not; all payments due towards confirmed commitments with respect to costs of materials, goods and services ordered by the MSI with its sub-contractor or sub-contractors for performance of the Contract, including the once delivered at site and/or are under transit. The MSI shall also be entitled for payment with reasonable profit on the part of the terminated works; Payment of a sum representing 10% of the contract price as a termination fee. In addition, the MSI shall have all other rights and remedies to which it is entitled under the Contract and/or at law. Currently, payments are proposed to be made of if the project is in the Maintenance period.	RFQ cum RFP prevails
1411.	Vol II: General Conditions of	Page 23	Clause 18.1.17 (c) costs incurred by the MSI in	Seems to be incomplete. Request clarity from the customer on this.	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
	Contract; Clause 18.1.17 (c)		protecting the System and leaving the site in a clean and safe condition pursuant to GCC Clause 18.1.16 (a);		
1412.	Vol II: General Conditions of Contract; Clause 18.1.20, Sub-clause (ii)	Page 24	Clause 18.1.20, Sub-clause (ii) transfer to the Client all documents, data, programmes, applications, software, equipment etc. developed or acquired by the Client for the purposes of performing the System along with the right to use the Intellectual Property in such documents, data, programmes, applications, software, equipment for the Project.	This is not agreeable and we would like to propose deletion of the same.	RFQ cum RFP prevails
1413.	Vol II: General Conditions of Contract; Clause 18.1.8	Page 21	Clause 18.1.8 of GCC	<p>While we do have a right to terminate under Clause 18.1.8 of GCC (Page 21), the right to suspend is not available.</p> <p>If the Buyer fails to comply with the provisions of this Contract, the Seller may, after giving not less than 14 days' notice to the Buyer, suspend work or reduce the rate of work. If the Buyer subsequently cures the failure as specified in the notice, the Seller shall resume normal working as soon as is reasonably practicable. If the Seller suffers delay and/or incurs</p>	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				Cost as a result of suspending work (or reducing the rate of work) in accordance with this Sub-Clause, the Seller shall give notice to the Buyer and shall be entitled to an extension of time for any such delay, if completion is or will be delayed and payment of any such Cost, which shall be included in the Contract Price. If the suspension under this Sub-Clause continues for a continues period of 60 days then the Seller may, upon giving 14 days' notice to the Buyer, terminate the Contract. Upon such termination, Seller shall be entitled to payment of amounts for the works already carried out and all other incidental costs reasonably incurred including costs of material already ordered or under production, cost of demobilizing and liabilities due to vendors and sub-contractors of the Seller.	
1414.	Vol II: General Conditions of Contract; Clause 61.1 Sub-clause (a)	Page 66	Clause 61.1 Sub-clause (a) the MSI shall not be liable to the Client, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not	We propose to delete the following “ provided that this exclusion shall not apply to any obligation of the MSI to pay liquidated damages to the Client”	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			apply to any obligation of the MSI to pay liquidated damages to the Client; and		
1415.	Vol II : GCC 11.1	Page 73	GCC, 11.1 The number of days shall be 30 (Thirty) Days from issuance of LOA.	Commencement of contract should be 30 days from the date of acceptance of the LOA by the MSI;	RFQ cum RFP is clear
1416.	Vol II : GCC, 21.7	Page 83	GCC, 21.7 The MSI or any of its subcontractor or affiliate or consortium member or joint venture partner singly or together shall not be entitled to any compensation; or damages liquidated or otherwise; or monetization right which shall cease to exist upon termination of the Contract under either GCC 18 a, 18 b or 18 c.	2nd point on MSI not being entitled to any compensation/damages upon termination of the Contract under either GCC 18 (a), (b) or (c) – is not agreeable	RFQ cum RFP prevails
1417.	Vol II : GCC, 55.3	Page 78	GCC, 55.3 Liquidated damages shall also be applicable to all the Milestones as defined in the Volume III – Terms of Reference. Liquidated damages shall be assessed at 1.0 percent per week of the total milestone payment which MSI has failed to achieve. Maximum liquidated damages shall be 10 percent of the total milestone payment.	LD is applicable on all Milestones as defined in Volume -III- Terms of reference. We propose minimum LD and cumulatively to a maximum of 10% of the undelivered portion of the contract value. LD to also be the sole remedy in case of delay;	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
			Liquidated damages shall come into effect from the Effective Date The payment of Liquidated Damages shall not relieve the MSI from any of its obligation to complete the System or from any other of its obligations and liabilities.		
1418.	Vol II : GCC, 57.4	Page 79	GCC, 57.4 The Defect Liability Period shall begin from the date of Operational Acceptance of the System (Project) and extend for 12 months.	The DLP is unusually long and begins from the date of Operational Acceptance of the System (Project) and extend for 12 months- we need to suggest a shorter period for DLP and link to supply as well.	RFQ cum RFP prevails
1419.	Vol II : GCC, 57.10	Page 79	GCC, 57.10 During the Maintenance Period, the MSI must commence the work necessary to remedy defects or damage within 2 hours of notification. The Service levels to which the MSI shall adhere to are specified in the RFQ cum RFP.	The MSI is required to remedy the defects/damages on the mutually agreed and accepted time between the client and the MSI for the remedy from the receipt of notification of issue.	RFQ cum RFP prevails
1420.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference	TR 1.426	Switch should have minimum 2 GB RAM and 2 GB Flash.	Remove this clause, RAM and Flash as per OEM hardware architecture so this clause will restrict oem to participate	RFQ cum RFP prevails
1421.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference	TR 1.429	Switch should support internal field replaceable unit redundant power supply from day 1.	Switch should support internal field replaceable unit redundant power supply from day 1. Leverage to these points will allow	RFQ cum RFP prevails

S. No.	RFQ cum RFP Volume, Section	RFQ cum RFP Page no	Original Content in the RFQ cum RFP	Clarification sought	Reply
				all vendors to participate with complied specifications	
1422.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference	TR 1.474	Shall provide support for RoHS and WEEE regulations	Shall provide support for RoHS / WEEE regulations Same as per Clause - TR 1.348 & TR 1.282	RFQ cum RFP prevails
1423.	IIT-MSI-RFQ cum RFP-Volume III- Terms of Reference	TR 1.189	The optical connectors shall comply with Telcordia GR-326-CORE, NWT, American Society for Testing and Materials (ASTM), Telecommunications Industry Association (TIA), as well as Underwriters Laboratories for flammability tests.	The optical connectors shall comply with Telcordia GR-326-CORE, NWT, American Society for Testing and Materials (ASTM), Telecommunications Industry Association (TIA), as well as Underwriters Laboratories for flammability tests. The optical connectors shall comply with industry standards (EIA/TIA, IEC, ANSI).	RFQ cum RFP prevails