



GUWAHATI SMART CITY LTD.

(Formerly Guwahati Smart City Development Agency Ltd.)

(CIN U45309AS2016SGC017403)

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No. SPV/GSCL/DEV/214/2023/650

Dated Guwahati 16th November, 2023

Pre-bid Response

Tender Title: "RFP for Selection of System Integrator for Intelligent City Surveillance"
Tender Number: SPV/GSCL/DEV/214/2023/194
Tender_ID: 2023_GSCT_32416_1
Tender Published Date: 11th September, 2023

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

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Managing Director
Guwahati Smart City Limited
16/11/2023

Sl. No	RFP Volume(Section No.)	RFP Page No.	Content in the RFP(requiring clarification)	Clarification Sought with Justification	Volume no	Line Item	Final Remarks
1	General		Clarification	Please provide the filed and command control room location breakup with coordinates (lat and long). As these would be required for connectivity estimate.	General	General	Location details will be shared.
2	General		Clarification	Please provide the equipment breakup of location wise equipments requirement i.e. camera ,ECB , VMD, that would be installed at each location.	General	General	As per RFP
3	General		Clarification	We understand the ROW and RI charges shall be taken care by client and shall be paid by client to respective agency. And bidder do not need to consider the same as part of the price bid. Please confirm.	General	General	ROW not to be costed by Bidder. RI is in Bidder's scope. SI to provide Liasoning as per RFP.
4	General		Clarification	Please provide the details of make and model , version of the existing system which needs to be integrated with the new systems.	General	General	Bidders are requested to conduct site surveys. On request GSCL will approve for the same.
5	General		Clarification	Please provide the breakup of each type of video analytics required in the project.	General	General	Cost of analytics to be quoted as per BOQ. Facial Recognition -30 Nos to be considered out of total qty. Remaining balance qty to be decided during detailed engineering phase.
6	General		Clarification	Please provide the detail of no. of video summarization lic. required in the project ?	General	General	Minimum 30 concurrent licenses to be considered
7	General		Clarification	Please provide the area (in terms of sf Ft) and layout of the control center so as to estimate the Interior work. Also please let us know how many operators are required at various viewing centers, command control center and DR locations.	General	General	Refer corrigendum
8	General		Clarification	We understand VMS shall be installed only at the on Prim Data Center with failover application. While VMS shall not be installed at DR. Please confirm if our understanding is correct.	General	General	All applications in scope of this tender to be considered for DR as per RFP.
9	General		Clarification	From the RFP we understand 25% of application shall be installed at DR. From this we understand all application with 25% capacity shall be available at DR (without VMS and Video analytics, PABX ,VC) please confirm if our understanding is correct??	General	General	All applications in scope of this tender to be considered for DR as per RFP.
10	General		Clarification	We understand DC:DR shall be installed in Active -Passive Configuration. Please confirm.	General	General	DC-DR is to be configured in Active- Passive configuration meeting RFP requirements.
11	General		Clarification	Please let us know the RTO and RPO for DR.	General	Technical query on DR	RTO- 240 mins. RPO- 60 mins
12	Volume1	34	Company Financial profile: The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 500 Crores over the last three (3) Financial Years i.e. for FY 2020-21, 2021-22, 2022-23. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 3 financial years, i.e. 2020-21, 2021-22, 2022-23= 50Cr from specific business areas. In case of sole bidder 100% turnover to be from sole bidder.	We request you to kindly modify the clause as mentioned below Company Financial profile: The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 350 Crores over the last three (3) Financial Years i.e. for FY 2020-21, 2021-22, 2022-23. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 3 financial years, i.e. 2020-21, 2021-22, 2022-23= 50Cr from specific business areas. In case of sole bidder 100% turnover to be from sole bidder.	Volume 1	PQ Criteria	Refer corrigendum
13	Volume1	34	Financial Net- Worth: The Sole Bidder/ Bidder (each of consortium members in case of consortium) shall have positive net worth the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22. While the Sole/ lead bidder shall have minimum net worth of 25% of the estimated project value as mentioned in the NIT as per the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22.	We request you to kindly modify the clause as mentioned below Financial Net- Worth: The Sole Bidder/ Bidder (each of consortium members in case of consortium) shall have positive net worth the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22.	Volume 1	PQ Criteria	Refer corrigendum
14	Volume1	34	Annual Turnover: Average annual turnover from Specific Business Areas as mentioned below for The Sole Bidder/ Bidders (All consortium members put together in case of consortium) over the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22. Out Of total value of turnover; 50% at least to be from lead bidder. Annual average turnover from specific business areas of any consortium member in INR equivalent during the last 3 financial years, i.e. 2019-2020, 2020-2021 & 2021-2022 should be minimum 50Cr. In case of sole bidder 100% turnover to be from sole bidder. Marks shall be allotted as given below: 1. >INR 600 Cr.= 15 marks 2. >INR 550cr. to 600 Cr.= 10 marks 3. =INR 500cr.to 550 Cr.= 05 marks	We request you to kindly modify the clause as mentioned below Annual Turnover: Average annual turnover from Specific Business Areas as mentioned below for The Sole Bidder/ Bidders (All consortium members put together in case of consortium) over the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22. Out Of total value of turnover; 50% at least to be from lead bidder. Annual average turnover from specific business areas of any consortium member in INR equivalent during the last 3 financial years, i.e. 2019-2020, 2020-2021 & 2021-2022 should be minimum 50Cr. In case of sole bidder 100% turnover to be from sole bidder. Marks shall be allotted as given below: 1. >INR 350 Cr.= 15 marks 2. >INR 300cr. to 350 Cr.= 10 marks 3. =INR 250cr.to 300 Cr.= 05 marks	Volume 1	TQ evaluation criteria	Refer corrigendum
15	Volume 1, Section: 3.5 (Pre-qualification Criteria), Point No: 7 (Large Surveillance Project Experience)	Pg. No: 35	The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance projects of INR 50 crore in last Ten years from the date of bidding with at least a single city surveillance/smart city/safe city project with more than 1000 cameras.	We request you to amend clause as "The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed Camera based surveillance projects of INR 30 crore in last Ten years from the date of bidding with at least a single city surveillance/smart city/safe city project with more than 500 cameras"	Volume 1	PQ Criteria	As per RFP and Refer Corrigendum

16	Volume 1, Section: 3.5 (Pre-qualification Criteria), Point No: 7 (Large Surveillance Project Experience)	Pg. No: 35	<p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at any three(03) distinct projects of cumulative value not less than INR 50 Crores during last Ten years from the date of bid submission (excluding civil work) out of the Four (4) Categories mentioned below:</p> <ol style="list-style-type: none"> 1) Data Center / Servers- Storage Infrastructure establishment 2) Command and control centre/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network / Large Campus like Airports <p>At least 2 projects of any two of the above mentioned solutions should be of value of 10 CR. Each or higher</p>	<p>We request you to amend clause as</p> <p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at any three(03) distinct projects of cumulative value not less than INR 30 Crores during last Ten years from the date of bid submission (excluding civil work) out of the Four (4) Categories mentioned below:</p> <ul style="list-style-type: none"> • Data Center / Servers- Storage Infrastructure establishment • Command and control centre/ City Control Room/ Communication Center/ Traffic Control Room • Surveillance projects • Network Backbone/OFC/City wide network / Large Campus like Airports <p>A. 1 no. of project of Rs. 30 crores with at least 500 or more cameras. B. 2 nos. of projects of Rs. 20 crores in total with at least 1000 or more cameras cumulatively. C. 3 nos. of projects of Rs. 10 crores in total with at least 1500 or more cameras cumulatively.</p>	Volume 1	PQ Criteria	Refer corrigendum
17	General	-	EMD in the form of BG	<p>We request you to allow submission of EMD in form of Bank Guarantee. Please provide BG format for EMD and also advise EMD validity period. Due to high value of EMD, the capex gets increased and simultaneously it effects on derived cost of the project too. To prepare the most cost effective offering, we seek your kind support to enable us to submit us and other SIs EMD in form of BG pls.</p>	Volume 1	EMD	Refer corrigendum. EMD in the prescribed BG format is acceptable. EMD to be made valid for at least 3 months from the date of submission of bid or upto bid validity period including extension if any whichever is later.
18	Volume I	8	<p>1.3. Bid Data Sheet</p> <p>#12 - Bid Security/Earnest Money Deposit (EMD) - INR 6,10,70,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) online deposit through e Procurement portal(3% of ETA)</p>	<p>We request to revise the amount of EMD @ 1% of ETA as below. Also, request to accept the same through BG [Bank Guarantee].</p> <p>1.3. Bid Data Sheet</p> <p>#12 - Bid Security/Earnest Money Deposit (EMD) - INR 2,03,56,840/- [INR Two crore three lakhs fiftysix thousands eighthundred and forty Only] -INR 6,10,70,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) online deposit through e Procurement portal(1% of ETA)</p>	Volume 1	EMD	Refer corrigendum. EMD in the prescribed BG format is acceptable. EMD to be made valid for at least 3 months from the date of submission of bid or upto bid validity period including extension if any whichever is later.
19	Volume I	17	<p>2. Instruction to Bidders # 2.8.- Earnest Money Deposit (EMD)</p> <p>The bid document must be accompanied by the Earnest Money Deposit of Rs. 61,070,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank.</p>	<p>We request to revise the amount of EMD @ 1% of ETA as below. Also, request to accept the same through BG [Bank Guarantee]. We also request to provide the format of Bank Guarantee to submit the EMD.</p> <p>2. Instruction to Bidders # 2.8.- Earnest Money Deposit (EMD)</p> <p>The bid document must be accompanied by the Earnest Money Deposit of INR 2,03,56,840/- [INR Two crore three lakhs fiftysix thousands eighthundred and forty Only] Rs. 61,070,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank OR in the form of Bank Guarantee from nationalized Bank.</p>	Volume 1	EMD	Refer corrigendum. EMD in the prescribed BG format is acceptable. EMD to be made valid for at least 3 months from the date of submission of bid.
20	Volume I	33	<p>3.4.4 Stage 4: Total Bid Evaluation</p> <p>a) The qualified bidder quoting the least cost shall be invited for negotiations for awarding the contract. In case of a tie where two or more bidders achieve the same highest Total Score, the bidder with the higher Technical Score will be invited first for negotiations for awarding the contract.</p>	<p>We request the clause as below.</p> <p>We understand that bidders who are qualified technically with required minimum score would be forwarded for the commercial evaluation and opening. The project would be awarded to the bidder whose price is the lowest.</p> <p>3.4.4 Stage 4: Total Bid Evaluation</p> <p>a) The qualified bidder quoting the least cost shall be invited for negotiations for awarding the contract. In case of a tie where two or more bidders achieve the same price level, highest Total Score, the bidder with the higher Technical Score will be invited first for negotiations for awarding the contract.</p>	Volume 1	Bid evaluation	<p>In case of a tie where two or more bidders achieve the same price level, the bidder with the higher Technical Score will be invited first for negotiations for awarding the contract.</p> <p>Refer corrigendum</p>

21	Volume I	38	<p>Technical evaluation Criteria # 1 - Annual Turnover</p> <p>Average annual turnover from Specific Business Areas as mentioned below for The Sole Bidder/ Bidders (All consortium members put together in case of consortium) over the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22.</p> <p>Out Of total value of turnover; 50% at least to be from lead bidder.</p> <p>Annual average turnover from specific business areas of any consortium member in INR equivalent during the last 3 financial years, i.e. 2019-2020, 2020-2021 & 2021-2022 should be minimum 50Cr. In case of sole bidder 100% turnover to be from sole bidder.</p> <p>Marks shall be allotted as given below:</p> <ol style="list-style-type: none"> >INR 600 Cr.= 15 marks >INR 550cr. to 600 Cr.= 10 marks =INR 500cr.to 550 Cr.= 05 marks 	<p><i>We request to revise the clause as below and accept the financial year up to 2022-23 for last three financial years. Also request to accept revision in turnover suggested as below. In the pre-qualification criteria, financial year 2022-23 is already considered.</i></p> <p>Technical evaluation Criteria # 1 - Annual Turnover</p> <p>Average annual turnover from Specific Business Areas as mentioned below for The Sole Bidder/ Bidders (All consortium members put together in case of consortium) over the last three (3) Financial Years i.e. for FY 2019-20; 2020-21, 2021-22, 2022-23.</p> <p>Out Of total value of turnover; 50% at least to be from lead bidder.</p> <p>Annual average turnover from specific business areas of any consortium member in INR equivalent during the last 3 financial years, i.e. 2019-2020, 2020-2021 & 2021-2022 should be minimum 50Cr. In case of sole bidder 100% turnover to be from sole bidder.</p> <p>Marks shall be allotted as given below:</p> <ol style="list-style-type: none"> 1->INR-600 Cr.= 15 marks 2->INR-550cr.to-600-Cr.= 10 marks 3->INR-500cr.to-550-Cr.= 05 marks <ol style="list-style-type: none"> >INR 500 Cr. = 15 marks >INR 450cr. to 500 Cr. = 10 marks =INR 400cr.to 450 Cr. = 05 marks 	Volume 1	TQ evaluation criteria	Refer corrigendum
22	Volume I	40	<p>Technical evaluation Criteria # 6 - / Proposed Resources</p> <p>C. System Admin: 1 marks</p> <p>i. Min Educational Qualification: Bachelor's Degree in Engineering/MCA or equivalent</p> <p>ii. Min 5 year of Work experience in the capacity of System admin in ICT implementation Projects</p> <p>a. Certification: Any professional certification that relates to MCSE/Linux/ RHCE or equivalent-0.5 mark</p> <p>Work experience in the capacity of System admin in ICT implementation Projects > 5 years of relevant experience-0.5 mark</p>	<p><i>We request to revise the clause as below to consider the bachelor's degree in Science.</i></p> <p>C. System Admin: 1 marks</p> <p>i. Min Educational Qualification: Bachelor's Degree in Engineering/Science/MCA or equivalent</p> <p>ii. Min 5 year of Work experience in the capacity of System admin in ICT implementation Projects</p> <p>a. Certification: Any professional certification that relates to MCSE/Linux/ RHCE or equivalent-0.5 mark</p> <p>Work experience in the capacity of System admin in ICT implementation Projects > 5 years of relevant experience-0.5 mark</p>	Volume 1	TQ evaluation criteria	As per RFP and Refer Corrigendum
23	Volume I	41	<p>Technical evaluation Criteria # 6 - / Proposed Resources</p> <p>D. Network Expert: 1 mark</p> <p>i. Min Educational Qualification: Bachelor's Degree in Engineering/MCA or equivalent</p> <p>ii. Min 5 years of work experience as network expert for IT/ICT Project</p> <p>a. Certification: Relevant certification preferably CCNA / CCNP/ or equivalent. -0.5 marks</p> <p>b. Work experience as network expert for IT/ICT Projects</p> <p>i. > 5 years of relevant experience)-0.5 mark</p>	<p><i>We request to revise the clause as below to consider the bachelor's degree in Science.</i></p> <p>D. Network Expert: 1 mark</p> <p>i. Min Educational Qualification: Bachelor's Degree in Engineering/Science/MCA or equivalent</p> <p>ii. Min 5 years of work experience as network expert for IT/ICT Project</p> <p>a. Certification: Relevant certification preferably CCNA / CCNP/ or equivalent. -0.5 marks</p> <p>b. Work experience as network expert for IT/ICT Projects</p> <p>i. > 5 years of relevant experience)-0.5 mark</p>	Volume 1	TQ evaluation criteria	As per RFP and Refer Corrigendum
24	Volume I	41	<p>Technical evaluation Criteria # 6 - / Proposed Resources</p> <p>E. Database Expert: 1 mark</p> <p>i. Min Educational Qualification: Bachelor's Degree in Engineering/MCA or equivalent</p> <p>ii. Min 5 years of Work experience as Data base administrator/ Manager</p> <p>a. Certification: Relevant certification in Database architecture and management, preferably MCSE (Database platform)/ MySQL 5.6/ MTA DB/ or equivalent-0.5 mark</p> <p>Work experience as Data base administrator/ Manager > 5 years of relevant experience-0.5 mark</p>	<p><i>We request to revise the clause as below to consider the bachelor's degree in Science.</i></p> <p>E. Database Expert: 1 mark</p> <p>i. Min Educational Qualification: Bachelor's Degree in Engineering/Science/MCA or equivalent</p> <p>ii. Min 5 years of Work experience as Data base administrator/ Manager</p> <p>a. Certification: Relevant certification in Database architecture and management, preferably MCSE (Database platform)/ MySQL 5.6/ MTA DB/ or equivalent-0.5 mark</p> <p>Work experience as Data base administrator/ Manager > 5 years of relevant experience-0.5 mark</p>	Volume 1	TQ evaluation criteria	As per RFP and Refer Corrigendum
25	Volume I	42	<p>Technical evaluation Criteria # 6 - / Proposed Resources</p> <p>G. Security Expert: 1 mark</p> <p>i. Min Educational Qualification: Bachelor's Degree in Engineering/MCA or equivalent</p> <p>ii. Min 5 years of Work experience as IT Security expert</p> <p>a. Certification: Relevant certification in IT security/CISM/ CISSP/CCNP or equivalent-0.5 mark</p> <p>Work experience as IT Security expert i. > 5 years of relevant experience)-</p>	<p><i>We request to revise the clause as below to consider the bachelor's degree in Science.</i></p> <p>G. Security Expert: 1 mark</p> <p>i. Min Educational Qualification: Bachelor's Degree in Engineering/Science/MCA or equivalent</p> <p>ii. Min 5 years of Work experience as IT Security expert</p> <p>a. Certification: Relevant certification in IT security/CISM/ CISSP/CCNP or equivalent-0.5 mark</p> <p>Work experience as IT Security expert i. > 5 years of relevant experience)-</p>	Volume 1	TQ evaluation criteria	As per RFP and Refer Corrigendum
26	Volume I	45	<p>4.3. Performance Bank Guarantee (PBG)</p> <p>This Performance Bank Guarantee shall be for an amount equivalent to 10% of total contract value.</p>	<p><i>We request to revise the amount of PBG at 3% based on the guideline.</i></p> <p>4.3. Performance Bank Guarantee (PBG)</p> <p>This Performance Bank Guarantee shall be for an amount equivalent to 3% 10% of total contract value.</p>	Volume 1	PBG	Refer corrigendum

27	Volume I	34	3.5 Pre-Qualification Criteria #5 - Key Certifications / Required Documentary Evidence Copies of the valid certificates in the name of the Bidder. At least six months validity is required from the date of submission of bids. The MSI is to ensure the quality certificates remain valid throughout the period of the contract.	We request to revise the clause as below. As, certificates get renewed on or before the expiry date of certificates. This is a routine process. Though the continuity of validity of certificates would be available, many times renewed latest certificate may be less than the duration of six months from the date of submission. 3.5 Pre-Qualification Criteria #5 - Key Certifications / Required Documentary Evidence Copies of the valid certificates in the name of the Bidder. At least six months validity is required from the date of submission of bids. The MSI is to ensure the quality certificates remain valid throughout the period of the contract.	Volume 1	PQ Criteria	Refer corrigendum
28	Volume I	44	3.6.1 Key Personnel Criteria Manpower plan for Implementation Phase to be provided as per format provided in 7.5.3(1). Apart from the above –mentioned resources, the Bidder shall also propose manpower to be deployed during the Operation & Maintenance phase of the Project as provided in the format	We request to consider the resources deployed during the O&M phase, DIFFERENT, from the resources deployed during the Implementation phase. Approach for Implementation and O&M phases has the difference, hence same to be considered for the resource deployment. Resources deployed during the O&M phase would be complied as per the requirement of RFP.	Volume 1	TQ evaluation criteria	As per RFP
29	3.5 Pre-Qualification Criteria - Company Profile	34 of 96	1. The Sole Bidder/ Bidder (each of consortium members in case of consortium) shall be in operations for a period of at least Ten (10) years prior to the date of bid submission 2. The Sole Bidder/ Bidder (each of consortium members in case of consortium) should be a company registered in India for a period of at least Ten (10) years prior to the date of bid submission. 3. The Sole Bidder/ Bidder (each of consortium members in case of consortium) should be in same line of business as defined by specific business area for at least 5 years.	Please modify as follows : 1. The Sole Bidder/ Bidder (each of consortium members in case of consortium) shall be in operations for a period of at least Ten (10) years prior to the date of bid submission 2. The Sole Bidder/ Bidder (each of consortium members in case of consortium) should be a company registered in India for a period of at least Ten (10) years prior to the date of bid submission. 3. The Sole Bidder/ Bidder (ANY of consortium members in case of consortium) should be in same line of business as defined by specific business area for at least 5 years. Justification: Request acceptance will allow wider participation of eligible parties in association with resourceful large corporations.	Volume 1	PQ Criteria	Refer corrigendum
30	Volume-I, Clause No. 3.5 Pre-Qualification Criteria , 7	35	Large Surveillance Project Experience The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance projects of INR 50 crore in last Ten years from the date of bidding with at least a single city surveillance/smart city/safe city project with more than 1000 cameras.	We understand that to meet this clause Bidder must have cumulative value of INR 50 crore or more from IP Camera based surveillance projects. Therefore, please confirm the acceptance of the following change: "The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance projects of cumulative value not less than INR 50 crore in last Ten years from the date of bidding with at least a single city surveillance/smart city/safe city project with more than 1000 cameras."	Volume 1	PQ Criteria	Refer corrigendum
31	Volume-I, Clause No. 1.3 Bid Data Sheet, S. No. 17	17	The bid document must be accompanied by the Earnest Money Deposit of Rs. 61,070,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank.	Bank Guarantee as EMD is standard in most of Smart city tenders. Please provide format for EMD submission, validity and claim period (standard validity is 30 days beyond bid validity). Please confirm that acceptance of Bank Guarantee and change the clause as follow: "The bid document must be accompanied by the Earnest Money Deposit of Rs. 61,070,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank or through Bank Guarantee."	Volume 1	EMD	Refer corrigendum. EMD in the prescribed BG format is acceptable. EMD to be made valid for at least 3 months from the date of submission of bid.
32	Volume-I, Clause No. 1.4. Definitions/Acronyms, Sl. No. 12.	9	consortium consists of multiple members (not more than Three parties Lead Bidder + maximum 1 Consortium member) entering into a Consortium Agreement for a common objective of satisfying the Authority requirements & represented by lead member of the consortium, designated as a "Lead Bidder". Also, the responsibility for successful execution of the entire project will be that of the defined Lead bidder. The consortium members should have relevant experience of executing similar roles and responsibilities in past as stated in the MoU in Annexure 5. Parent company existence of Bidder/ Lead bidder would be considered for only 100% subsidiary/ division/ sub division/ branch business unit. For the purpose of technical evaluation, net worth and turnover of parent, associate or other related entity will not be considered.	Tender clause is contradicting in terms of number of consortium member allowed. Please confirm only two members including Lead Bidder are allowed in consortium as per Clause no. 2.2. b, Consortium of Firms. Justification: Allowing more consortium partners will jeopardize the project execution without any fixation of clear role and responsibility between the parties.	Volume 1	PQ Criteria	Lead Bidder + maximum 1 Consortium member allowed
33	Company Financial profile	34 of 96	The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 500 Crores over the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 3 financial years, i.e. 2019-2020, 2020-2021 & 2021-2022 = 50Cr from specific business areas. In case of sole bidder 100% turnover to be from sole bidder.	We request acceptance of 2022-23 as the latest financial year to be reviewed. In this regard, we also request acceptance of Audited Balance Sheet/Provisional CA Certified Statements. Accordingly, we request acceptance of the following modified clause: The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 500 Crores over the last three (3) Financial Years i.e. for FY 2019-20 , 2020-21, 2021-22 & 2022-23. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 3 financial years, i.e. 2019-2020 , 2020-2021 & 2021-2022 & 2022-23 = 50Cr from specific business areas. In case of sole bidder 100% turnover to be from sole bidder.	Volume 1	PQ Criteria	Refer corrigendum

34	Financial Net Worth	34 of 96	<p>The Sole Bidder/ Bidder (each of consortium members in case of consortium) shall have positive net worth the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22.</p> <p>While the Sole/ lead bidder shall have minimum net worth of 25% of the estimated project value as mentioned in the NIT as per the last audited Financial Year i.e. for FY 2021-22</p>	<p>We request acceptance of 2022-23 as the latest financial year to be reviewed. In this regard, we also request acceptance of Audited Balance Sheet/Provisional CA Certified Statements. Accordingly, we request acceptance of the following modified clause:</p> <p>The Sole Bidder/ Bidder (each of consortium members in case of consortium) shall have positive net worth the last three (3) Financial Years i.e. for FY-2019-20, 2020-21, 2021-22 and FY 2022-23.</p> <p>While the Sole/ lead bidder shall have minimum net worth of 25% of the estimated project value as mentioned in the NIT as per the last audited Financial Year i.e. for FY-2021-22 FY 2022-23.</p>	Volume 1	PQ Criteria	Refer corrigendum
35	ICT Based Projects Experience Section 3.5	35 of 96	<p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at any three(03) distinct projects of cumulative value not less than INR 50 Crores during last Ten years from the date of bid submission (excluding civil work) out of the Four (4) Categories mentioned below :</p> <ol style="list-style-type: none"> 1) Data Center / Servers- Storage Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network / Large Campus like Airports <p>At least 2 projects of any two of the above mentioned solutions should be of value of 10 CR. Each or higher</p>	<p>We request addition of Cyber Security also with respect to this criteria as Cyber Security is also a vital component of this project. Accordingly, please modify the statement as follows:</p> <p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at least any three(03) distinct projects of cumulative value not less than INR 50 Crores during last Ten years from the date of bid submission (excluding civil work) out of the Four (4) Categories mentioned below :</p> <ol style="list-style-type: none"> 1) Data Centre / Servers- Storage/ Cyber Security for DC & DR Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network / Large Campus like Airports <p>At least 2 projects of any two of the above mentioned solutions projects cited to fulfill above criteria should be of value of 10 CR. Each or higher</p>	Volume 1	PQ Criteria	Refer corrigendum
36	Others Smart Solutions Based Project Experience Section 3.5	36 of 96	<p>The Sole/ Lead Bidder/ (any member in case of a consortium) shall have experience of any of the Three (3) solutions during the last Ten (10) years (excluding civil work) from the date of bid submission from the mentioned areas:</p> <ol style="list-style-type: none"> 1) GIS 2) Variable Messaging Display 3) Environmental Sensor 4) PA System/Sound System <p>The minimum value of the above-mentioned solutions in the project should be INR 50 lacs</p>	<p>We request addition of Emergency Call Box (ECB) also with respect to this criteria as Emergency Call Box (ECB) is also a vital component of this project. Accordingly, please modify the statement as follows:</p> <p>The Sole/ Lead Bidder/ (any member in case of a consortium) shall have experience of any of the Three (3) solutions during the last Ten (10) years (excluding civil work) from the date of bid submission from the mentioned areas:</p> <ol style="list-style-type: none"> 1) GIS 2) Variable Messaging Display 3) Environmental Sensor 4) PA System/Sound System 5) ECB System <p>The minimum value of the above-mentioned solutions in the project should be INR 50 lacs</p> <p>Justification: ECB System is also considered in the scope of this project</p>	Volume 1	PQ Criteria	Refer corrigendum
37	3.6 Technical Qualification Criteria - Annual Turnover	39 of 96	<p>Average annual turnover from Specific Business Areas as mentioned below for The Sole Bidder/ Bidders (All consortium members put together in case of consortium) over the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22. Out Of total value of turnover; 50% at least to be from lead bidder.</p> <p>Annual average turnover from specific business areas of any consortium member in INR equivalent during the last 3 financial years, i.e. 2019-2020, 2020-2021 & 2021-2022 should be minimum 50Cr. In case of sole bidder 100% turnover to be from sole bidder.</p> <p>Marks shall be allotted as given below:</p> <ol style="list-style-type: none"> 1. >INR 600 Cr.= 15 marks 2. >INR 550cr. to 600 Cr.= 10 marks 3. =INR 500cr.to 550 Cr.= 05 marks 	<p>We request to modify as follows to ensure less ambiguity:</p> <p>Average annual turnover from Specific Business Areas as mentioned below for The Sole Bidder/ Bidders (All consortium members put together in case of consortium) over the last three (3) Financial Years i.e. for FY-2019-20, 2020-21, 2021-22 and 2022-23 Out Of total value of turnover; 50% at least to be from lead bidder.</p> <p>Annual average turnover from specific business areas of any consortium member in INR equivalent during the last 3 financial years, i.e. 2019-2020, 2020-2021, 2021-2022 and 2022-23 should be minimum 50Cr. In case of sole bidder 100% turnover to be from sole bidder.</p> <p>Marks shall be allotted as given below:</p> <ol style="list-style-type: none"> 1. >INR 600 Cr.= 15 marks 2. >INR 550cr. to 600 Cr.= 10 marks 3. =INR 500cr.to 550 Cr.= 05 marks 	Volume 1	PQ Criteria	Refer corrigendum

38	3.6 Technical Qualification Criteria - Projects Experience - ICT Components	39 of 96	<p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at any three(03) distinct Projects of during last Ten years from the date of bid submission (excluding civil work) out of the Four (4) Categories mentioned below :</p> <ol style="list-style-type: none"> 1) Data Center / Servers- Storage Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network / Large Campus like Airports <p>At least 2 projects of any two of the above-mentioned solutions should be of value of 10 CR. Each or higher Marks shall be allotted as below: Cumulative Project Value: 1) >INR 75 cr.= 30 marks 2) >INR 60 cr. to 75 cr.= 25 marks 3) = INR 50 cr. to 60 cr.= 20 Marks</p>	<p>We request to modify as follows to ensure less ambiguity: The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at least any three(03) distinct Projects of during last Ten years from the date of bid submission (excluding civil work) out of the Four (4) Categories mentioned below :</p> <ol style="list-style-type: none"> 1) Data Center / Servers- Storage / Cyber Security for DC & DR Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network / Large Campus like Airports <p>At least 2 projects of any two of the above-mentioned solutions projects cited to fulfill above criteria should be of value of 10 CR. Each or higher</p> <p>Marks shall be allotted as below: Cumulative Project Value: 1) >INR 75 cr.= 30 marks 2) >INR 60 cr. to 75 cr.= 25 marks 3) = INR 50 cr. to 60 cr.= 20 Marks</p>	Volume 1	PQ Criteria	Refer corrigendum
39	3.6 Technical Qualification Criteria - ICT Components	39 of 96	<p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have experience of any of the Three (3) solution in last Ten years (excluding civil work) from the mentioned areas:</p> <ol style="list-style-type: none"> 1) Cyber Security System 2) GIS 3) Variable Messaging Display 4) Environmental Sensor 5) PA System/Sound System <p>Cumulative Value of the above mentioned solutions in the projects selected: 1) >INR 250 Lacs = 10 marks 2) >INR 200 Lacs to 250 Lacs= 8.5 marks 3) =INR 150 Lacs to 200 Lacs= 7 Marks</p>	<p>We request to modify as follows to ensure ECB which is also a vital component of this project is also covered: The Sole/ Lead Bidder/ (any member in case of consortium) shall have experience of any of the Three (3) solution in last Ten years (excluding civil work) from the mentioned areas:</p> <ol style="list-style-type: none"> 1) Cyber Security System 2) GIS 3) Variable Messaging Display 4) Environmental Sensor 5) PA System/Sound System 6) ECB <p>Cumulative Value of the above mentioned solutions in the projects selected: 1) >INR 250 Lacs = 10 marks 2) >INR 200 Lacs to 250 Lacs= 8.5 marks 3) =INR 150 Lacs to 200 Lacs= 7 Marks</p>	Volume 1	PQ Criteria	Refer corrigendum
40	3.5 Pre-Qualification Criteria and 3.6 Technical Qualification Criteria		Clarity request	We request acceptance of CA Certificate in lieu of certificate from statutory auditor wherever applicable.	Volume 1	PQ Criteria	CA Certificate also acceptable.
41	Volume 1	34	<p>PQ-2: The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 500 Crores over the last three (3) Financial Years i.e. for FY 2020-21, 2021-22, 2022-23. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 3 financial years, i.e. 2020-21, 2021-22, 2022-23= 50Cr from specific business areas. In case of sole bidder 100% turnover to be from sole bidder.</p>	We would request your good office to kindly allow to submit the Provisional financial statement FY 2022-23 against this clause	Volume 1	PQ Criteria	Provisional financial statement for FY 2022-23 is acceptable if audited Balance Sheet is not yet available.
42	Volume 1	35	<p>PQ-7: The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance projects of INR 50 crore in last Ten years from the date of bidding with at least a single city surveillance/smart city/safe city project with more than 1000 cameras</p> <p>Documentary Evidence: The sole Bidder/any Member of Consortium/Sub- Contractor(s): Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order. Completion Certificate issued & signed by the authorized signatory of the client entity on the entity's Letterhead In case of large orders/orders with operations & maintenance phase, the completion may specify successful execution of mentioned components and in operation status of a part of the order meeting the requirement through a Self- declaration from authorized signatory.</p> <p>TENDER COMMITTEE reserves the rights to contact & verify with the competent authority for the specified Work Orders/Work completion</p>	<p>We would request to amend the clause as below: The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed <u>CCTV based surveillance projects with cumulative value of INR 18 Crore</u> in last Ten years from the projects like <u>ICT Projects/city surveillance/smart city/safe city project with more than 1200 CCTV cameras</u></p> <p>Amendment in Documentary Evidence: The sole Bidder/any Member of Consortium/Sub- Contractor(s): Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order.</p> <p>Completion Certificate issued & signed by the authorized signatory of the client entity on the entity's Letterhead In case of large orders/orders with operations & maintenance phase, the completion may specify successful execution of mentioned components and in operation status of a part of the order meeting the requirement through a Self- declaration from authorized signatory. <u>(Self Certificate by authorized bidder for project completion)</u></p> <p>TENDER COMMITTEE reserves the rights to contact & verify with the competent authority for the specified Work Orders/Work completion</p>	Volume 1	PQ Criteria	As per RFP and Refer Corrigendum

43	Volume 1	35	<p>PQ-8:</p> <p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at any three(03) distinct projects of cumulative value not less than INR 50 Crores during last Ten years from the date of bid submission (excluding civil work) out of the Four (4) Categories mentioned below :</p> <ol style="list-style-type: none"> 1) Data Center / Servers- Storage Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network / Large Campus like Airports. <p>At least 2 projects of any two of the above mentioned solutions should be of value of 10 CR. Each or higher</p> <p>Documentary Evidence:</p> <p>The sole Bidder/any Member of Consortium/Sub- Contractor(s):</p> <p>Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order. Completion Certificate issued & signed by the authorized signatory of the client entity on the entity's Letterhead In case of large orders/orders with operations &</p>	<p>We would request to amend the clause as below:</p> <p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at any three (03) distinct projects of cumulative value not less than INR 50 Crores during last Ten years from the date of bid submission (excluding civil work) <u>out of the Seven (7) Categories</u> mentioned below :</p> <ol style="list-style-type: none"> 1) Data Center / Servers- Storage Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network / Large Campus like Airports 5) Virtual Classroom/Smart classroom 6) Application Software development with minium user of 100cr 7) Any E-governance Projects with Citizen facing services <p>At least 2 projects of any two of the above mentioned solutions should be of value of 10 CR. Each or higher</p> <p>Amendment in Documentary Evidence: The sole Bidder/any Member of Consortium/Sub- Contractor(s):</p> <p>Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order. Completion Certificate issued & signed by the authorized signatory of the client entity on the entity's Letterhead In case of large orders/orders with operations & maintenance phase, the completion may specify successful execution of mentioned components and in operation status of a part of the order meeting the requirement through a Self- declaration from authorized signatory. <u>/Self Certificate by authorized bidder for project completion</u></p>	Volume 1	PQ Criteria	As per RFP
44	Volume 1	39	<p>TQ-3:</p> <p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at any three(03) distinct Projects of during last Ten years from the date of bid submission (excluding civil work) out of the Four (4) Categories mentioned below :</p> <ol style="list-style-type: none"> 1) Data Center / Servers- Storage Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network / Large Campus like Airports <p>At least 2 projects of any two of the above-mentioned solutions should be of value of 10 CR. Each or higher</p> <p>Marks shall be allotted as below: Cumulative Project Value: 1) >INR 75 cr.= 30 marks 2) >INR 60 cr. to 75 cr.= 25 marks 3) = INR 50 cr. to 60 cr.= 20 Marks</p> <p>Documentary Evidence: The sole Bidder/any Member of Consortium/Sub- Contractor(s):</p>	<p>We would request to amend the clause as below:</p> <p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at any three(03) distinct Projects of during last Ten years from the date of bid submission (excluding civil work) <u>out of the Seven (7) Categories</u> mentioned below :</p> <ol style="list-style-type: none"> 1) Data Center / Servers- Storage Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network / Large Campus like Airports 5) Virtual Classroom/Smart classroom 6) Application Software development with minium user of 100cr 7) Any E-governance Projects with Citizen facing services <p>At least 2 projects of any two of the above-mentioned solutions should be of value of 10 CR. Each or higher</p> <p>Amendment in Documentary Evidence: The sole Bidder/any Member of Consortium/Sub- Contractor(s):</p> <p>Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order. Completion Certificate issued & signed by the authorized signatory of the client entity on the entity's Letterhead In case of large orders/orders with operations & maintenance phase, the completion may specify successful execution of mentioned components and in operation status of a part of the order meeting the requirement through a Self- declaration from authorized signatory. <u>/Self Certificate by authorized bidder for project completion</u></p>	Volume 1	PQ Criteria	As per RFP and Refer Corrigendum
45	Volume -1	35	<p>3.5 Pre-Qualification Criteria</p> <p>7. Large Surveillance Project Experience</p> <p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance projects of INR 50 crore in last Ten years from the date of bidding with at least a single city surveillance/smart city/safe city project with more than 750 cameras.</p>	<p>In order to maximize participation we request to change criteria as below.</p> <p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance projects of INR 50 crore in last Ten years from the date of bidding with at least a single city surveillance/smart city/safe city project with more than 750 cameras.</p>	Volume 1	PQ Criteria	As per RFP and Refer Corrigendum
46	3.5 Pre-Qualification Criteria Company Financial profile	Page No. 34	<p>The consortium members should have relevant experience of executing similar roles and responsibilities in past as stated in the MoU in Annexure 6.</p>	<p>In case of consortium any consortium members shall fulfil the eligibility criteria and The consortium member shall define the roles and responsibilities of each member in the MOU in Annexure 6.</p>	Volume 1	PQ Criteria	As per RFP
47	2.8, Earnest Money Deposit (EMD)	17	<p>The bid document must be accompanied by the Earnest Money Deposit of Rs. 61,070,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment</p>	<p>We kindly request an exemption from the Earnest Money Deposit (EMD) requirement for Micro, Small, and Medium Enterprises (MSME) registered companies.</p>	Volume 1	EMD	Refer corrigendum. EMD in the prescribed BG format is acceptable. EMD to be made valid for at least 3 months from the date of submission of bid.
48	3.5, Pre-Qualification Criteria	33	<p>The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 500 Crores over the last three (3) Financial Years i.e. for FY 2020-21, 2021-22, 2022-23. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 3 financial years, i.e. 2020-21, 2021-22, 2022-23= 50Cr from specific business areas. In case of sole bidder 100% turnover to be from</p>	<p>Like many companies globally, our company has faced considerable financial difficulties due to the adverse effects of the COVID-19 pandemic. Unfortunately, we have not been immune to this situation, resulting in a negative net worth for the financial year during pandemic.</p> <p>We kindly request your consideration to revise the mentioned criteria to reflect a positive net worth for the last financial year.</p>	Volume 1	PQ Criteria	Refer corrigendum

49	3.5, Pre-Qualification Criteria	34	The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 500 Crores over the last three (3) Financial Years i.e. for FY 2020-21, 2021-22, 2022-23. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 3 financial years, i.e. 2020-21, 2021-22, 2022-23= 50Cr from specific business areas. In case of sole bidder 100% turnover to be from	Kindly amend this criteria	Volume 1	PQ Criteria	Refer corrigendum
50	3.5, Pre-Qualification Criteria	34	1. The Sole Bidder/ Bidder (each of consortium members in case of consortium) shall be in operations for a period of at least Ten (10) years prior to the date of bid submission 2. The Sole Bidder/ Bidder (each of consortium members in case of consortium) should be a company registered in India for a period of at least Ten (10) years prior to the date of bid submission. 3. The Sole Bidder/ Bidder (each of consortium members in case of consortium) should be in same line of business as defined by specific business area for at least 5 years.	Most of the projects executed by Us(ULTS) are in the name of our Parent Organisation(ULCCS). Since ULTS is the IT/ITES division of ULCCS, we have been executing all the IT/ITES projects and the same has been stated in the Total Solution Provider Government Order(Ms) No. 1/2016/ITD Dated 18/01/2016, issued by the Government of Kerala - Information Technology Department. Since ULCCS is a Cooperative Society it cant operate in other States. ULTS is participating as the individual bidder, can we provide those WO/Completing Certificates/other project documents as evidence for meeting the eligibility criteria along with the documentary evidence to state the above from the parent organization? We can also submit a copy of the GO issued by the ITD, Government of Kerala. Kindly Clarify	Volume 1	PQ Criteria	Refer corrigendum
51	Volume-I, Clause No. 3.5 Pre-Qualification Criteria , 5	34-35	Key Certifications 2. The Sole/ Lead Bidder/ any of the consortium member should have valid CMMI level 3 Certificate at the time of submission of bid.	We are a US based Fortune 272 ranked Technology conglomerate having executed large and marquee projects of "National Importance" globally like London Safe City, Bogota Smart City, Singapore ITMS, Dubai Smart City, El paso Safe City, Earnsville Smart City 2.0 & various strategic ICT based projects for various Defence/Military establishment and have been present in India since 1995 and are keen to participate as a "sole bidder/MSI" in said prestigious Tender of national importance. For Project of this stature and in interest of fair, wider participation from large Global company's registered in India, we hereby request honourable Tender Committee to modify point no. 2 in clause no. 3.5, S. No. 5 of CMMI Level 3 certification by either deleting or making it optional in both PQ & TQ criteria as current scope in said RFP includes supply, installation, testing, commissioning, operation and Maintenance of 3rd party Systems & sub systems and CMMI Level 3 Certificate is required for software/app development by OEM companies and not by bidder/MSI. Suggested modified clause: 1. The Sole Bidder/ Lead Bidder/ any member of consortium shall have following Certifications valid at the time of submission of bid: - ISO 9001:2008 or equivalent. - ISO 20000:2011 for IT Service Management or equivalent certification - ISO 27001:2013 for Information Security Management System or equivalent certification. 2. The Sole/ Lead Bidder/ any of the Copies of the valid certificates in the name of the Bidder. At least six months validity is required from the date of submission of bids. The MSI is to ensure the quality certificates remain valid throughout the period of the contract. consortium member should have valid CMMI level 3 Certificate at the time of submission of bid	Volume 1	PQ Criteria	Refer corrigendum
52	Volume-I, Clause No. 3.6 Technical Evaluation Criteria , 2	38	Certifications A. The Sole Bidder/ Lead Bidder/ aof the Consortium members shall have following valid certificates: - ISO 9001:2008 or equivalent. - ISO 20000:2011 for IT Service Management or equivalent certification - ISO 27001:2013 for Information Security Management System or equivalent certification i. All above certificate= 7 Marks B. The Sole/ Lead Bidder/ any of the consortium member should have following valid certificate: i. CMMI Level 3= 3 Marks	For Project of this stature and in interest of fair, wider participation from large Global company's registered in India, we hereby request honourable Tender Committee to modify point no. 2 in clause no. 3.5, S. No. 5 of CMMI Level 3 certification by either deleting or making it optional in both PQ & TQ criteria as current scope in said RFP includes supply, installation, testing, commissioning, operation and Maintenance of 3rd party Systems & sub systems and CMMI Level 3 Certificate is required for software/app development by OEM companies and not by bidder/MSI. Suggested modified clause: "Certifications A. The Sole Bidder/ Lead Bidder/ any of the Consortium members shall have following valid certificates: - ISO 9001:2008 or equivalent. - ISO 20000:2011 for IT Service Management or equivalent certification - ISO 27001:2013 for Information Security Management System or equivalent certification i. All above certificate= 10 Marks →Marks B. The Sole/ Lead Bidder/ any of the consortium member should have following valid certificate: i. CMMI Level 3 = 3 Marks"	Volume 1	PQ Criteria	Refer corrigendum

53	Volume-I, Clause No. 3.6 Technical Evaluation Criteria , 2	36	<p>Important Note:</p> <p>i. For all the project experience, following documentary evidences are required:</p> <p>a. Work order/ Contract clearly highlighting the scope of work, Bill of Material, and value of the contract/order. OR If NDA is signed between Bidder & Client and Work Order/ Contract cannot be submitted as a proof of work, then Bidder shall submit Certificate mentioning NDA signed, scope of work, Cost of Project, duration of project and current status of the project signed by the Designated Authority of Client or by the Statutory Auditor/CA/CS. AND b. Completion Certificate issued & signed by the authorized signatory of the client entity on the entity's Letterhead c. Citations</p> <p>ii. In case project is on-going a certificate from the Statutory Auditor/CA/CS has to be provided mentioning that 80% of Capex has been released at least. Or Project should be successfully implemented and should be in the O & M</p>	<p>For Project of this stature and in interest of fair, wider participation from large Global company's registered in India, we hereby request honourable Tender Committee to clarify if our below understanding is correct:</p> <p>"We understand that all clauses/T&Cs mentioned under "IMPORANT NOTE" are applicable for both PQ-TQ criteria , Therefore, all the points mentioned under Important Note (e.g. NDA, partial completion, acceptance of International project experience of parent/sister/Group companies experience etc.) are applicable in default mode for both Pre-Qualification Criteria and Technical Evaluation Criteria.</p> <p>Hope our understanding is correct</p>	Volume 1	PQ Criteria	Important Note (Page no. 36 of 96) mentioned under Clause no. 3.5 Pre Qualification Criteria is also applicable for clause no. 3.6 Technical Evaluation Criteria.
54	Volume-I, Clause No. 2.29, Eligible Goods and Services, and OEM Criteria, x)	30	<p>The Sole/ Lead Bidder/ (any member in case of a consortium) shall have experience of executing projects of a) Cyber Security and b) ICCC Platform of not less than INR 3 Crores each as part of smart city/safe city/city surveillance/ large infra project. Experience of named implementing agency empaneled by Sole/ Lead Bidder/ (any member in case of a consortium) and authorized by relevant OEM is acceptable in lieu of direct credential. Documentary evidence in the form of Purchase Order copy along with proof of payment against supply to be submitted from Central Govt./State Govt./PSU customer.</p>	<p>For Project of this stature and in interest of fair, wider participation from large Global company's registered in India, we hereby request honourable Tender Committee to clarify that under "Clause no. 2.29, Eligible Goods and Services, and OEM Criteria", we have observed that erroneously below clause which is solely meant for ICCC- OEM seeks ICCC- PQ from bidder/MSI .</p> <p>Suggested Modified Clause" "The Sole/ Lead Bidder/ (any member in case of a consortium)/proposed ICCC OEM shall have experience of executing projects of a) Cyber Security and b) ICCC Platform of not less than INR 3 Crores each as part of smart city/safe city/city surveillance/ large infra project. Experience of named implementing agency empaneled by Sole/ Lead Bidder/ (any member in case of a consortium)/proposed ICCC OEM and authorized by relevant OEM is acceptable in lieu of direct credential. Documentary evidence in the form of Purchase Order copy along with proof of payment against supply to be submitted from Central Govt./State Govt./PSU customer.</p>	Volume 1	PQ Criteria	Credential of Bidder / Named Implementation Agency is acceptable.
55	Volume-I, Clause No. 3.5 Pre-Qualification Criteria , 7	35	<p>Large Surveillance Project Experience</p> <p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance projects of INR 50 crore in last Ten years from the date of bidding with at least a single city surveillance/smart city/safe city project with more than 1000 cameras.</p>	<p>For Project of this stature and in interest of fair, wider participation from large Global company's registered in India, we feel said clause is highly restrictive & hereby request honourable Tender Committee to clarify following 3 points and also modify said clause as per below suggested clause to ensure wider participation from larger/competent bidders:</p> <p>A. As per our understanding and in order to qualify this clause, Bidder must have cumulative value of INR 50 crore (not single project) or more from IP Camera based surveillance projects, pls confirm? B. Further, pls allow segments/verticals like Large enterprises & Large Campuse for Surveillance projects in both PQ-TQ criteria. C. Pls allow all types of IP cameras and not only OUTDOOR IP Cameras</p> <p>Suggested modified Clause: "The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance projects of cumulative value not less than INR 50 crore in last Ten years from the date of bidding with at least a single city surveillance/smart city/safe city/ Large Campus/ Large Enterprise project with more than 1000 cameras."</p>	Volume 1	PQ Criteria	As per RFP
56	Volume-I, Clause No. 3.5 Pre-Qualification Criteria , 8	35	<p>ICT Based Projects Experience:</p> <p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at any three(03) distinct projects of cumulative value not less than INR 50 Crores during last Ten years from the date of bid submission (excluding civil work) out of the Four (4) Categories mentioned below :</p> <ol style="list-style-type: none"> 1) Data Center / Servers- Storage Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network / Large Campus like Airports <p>At least 2 projects of any two of the abovementioned solutions should be of value of 10 CR. Each or higher</p>	<p>As per our understanding and in order to qualify this clause, Bidder must have cumulative value of INR 50 crore (not single project) from 3 different projects in any of the Four (4) Categories mentioned below :</p> <ol style="list-style-type: none"> 1) Data Center / Servers- Storage Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network / Large Campus like Airports <p>At least 2 projects of any two of the abovementioned solutions should be of value of 10 CR. Each or higher</p> <p>Hope our undersatnding is correct?</p>	Volume 1	PQ Criteria	Refer corrigendum

57	Volume-I, Clause No. 3.6 Technical Evaluation Criteria ,3	39	<p>ICT Based Projects Experience: The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at any three(03) distinct projects of cumulative value not less than INR 50 Crores during last Ten years from the date of bid submission (excluding civil work) out of the Four (4) Categories mentioned below :</p> <p>1) Data Center / Servers- Storage Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network / Large Campus like Airports</p> <p>At least 2 projects of any two of the abovementioned solutions should be of value of 10 CR. Each or higher</p> <p>Marks shall be allotted as below: Cumulative Project Value: 1) >INR 75 cr.= 30 marks 2) >INR 60 cr. to 75 cr.= 25 marks 3) >INR 50 cr. to 60 cr.= 20 Marks</p>	<p>As per our understanding and in order to qualify this clause, Bidder must have cumulative value of INR 50 crore (not single project) from 3 different projects in any of the Four (4) Categories mentioned below :</p> <p>1) Data Center / Servers- Storage Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network / Large Campus like Airports</p> <p>At least 2 projects of any two of the abovementioned solutions should be of value of 10 CR. Each or higher</p> <p>Hope our understanding is correct?</p>	Volume 1	TQ evaluation criteria	Refer corrigendum
58	Volume-I, Clause No. 1.3 Bid Data Sheet, S. No. 17	17	<p>The bid document must be accompanied by the Earnest Money Deposit of Rs. 61,070,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank.</p>	<p>Bank Guarantee as EMD is standard in all of Smart city tenders. Please provide format for EMD submission, validity and claim period (standard validity is 30 days beyond bid validity). Please confirm that acceptance of Bank Guarantee and change the clause as follows:</p> <p>"The bid document must be accompanied by the Earnest Money Deposit of Rs. 61,070,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank or through Bank Guarantee."</p>	Volume 1	EMD	Refer corrigendum. EMD in the prescribed BG format is acceptable. EMD to be made valid for at least 3 months from the date of submission of bid.
59	Volume-I, Clause No. 1.4. Definitions/ Acronyms, Sl. No. 12.	8	<p>Last Date of Physical submission of Bid (Tender Fee, EMD, Prequalification bid, Technical Bid) in Hard Copy 16-10-2023 Up to 11.00 Hrs.</p>	<p>Since, it is standard practice to submit only Original copy of EMD as a part of physical bid submission and all other documents are submitted online only. Therefore, we request you to accept only Original EMD (if case of Bank Guarantee) as a part of Physical bid submission.</p> <p>Further, please confirm that Physical submission of Bid is address of Correspondence i.e.</p> <p>Guwahati Smart City Limited 4th Floor, Aditya Tower, Opp. - Down Town Hospital G.S Road, Guwahati, Assam-781006 Email: mdsmartguwahati@gmail.com Telephone: 6913104033 (o), 9004123596, 9854293301</p>	Volume 1	EMD	Refer corrigendum. EMD in the prescribed BG format is acceptable. EMD to be made valid for at least 3 months from the date of submission of bid.
60	Volume-I, Clause No. 1.4. Definitions/Acronyms, Sl. No. 12.	9	<p>consortium consists of multiple members (not more than Three parties Lead Bidder + maximum 1 Consortium member) entering into a Consortium Agreement for a common objective of satisfying the Authority requirements & represented by lead member of the consortium, designated as a "Lead Bidder". Also, the responsibility for successful execution of the entire project will be that of the defined Lead bidder. The consortium members should have relevant experience of executing similar roles and responsibilities in past as stated in the MoU in Annexure 6. Parent company existence of Bidder/ Lead bidder would be considered for only 100% subsidiary/ division/ sub division/ branch business unit. For the purpose of technical evaluation, net worth and turnover of parent, associate or other related entity will not be considered.</p>	<p>Tender clause is contradicting in terms of number of consortium member allowed. Please confirm only two members including Lead Bidder are allowed in consortium as per Clause no. 2.2. b, Consortium of Firms</p>	Volume 1	Consortium	Lead Bidder + maximum 1 Consortium member allowed
61	Volume-I, Clause No. 2.29, Eligible Goods and Services, and OEM Criteria, b)	28	<p>b) The Bidder shall quote only one specific make and model for each of the goods. Providing more than one option for each component shall not be allowed. However, bidder shall provide the solution based on integration requirements and scalability. 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.</p>	<p>We understand that in case of standard items like Pole, junction box, Network rack, printer etc. Make and model can be submitted after declaration of L1. Please confirm.</p>	Volume 1	Eligible Goods and Services, and OEM Criteria	As per RFP
62	Volume-I, Clause No. 2.29, Eligible Goods and Services, and OEM Criteria, p)	29	<p>Bid should be compliant to the Policy and Make in India makes shall be given preference as per Order 2017-Revision vide the Department of Industrial Policy and Promotion (DIPP) Order No. P45021/2/2017-PP(BE-II) dated 16th September,2020 or latest. OEMs under make in India must submit Undertaking and supporting documents.</p>	<p>Please confirm that OEM meeting Make in India policies will be exempted to meet experience criteria mentioned under clause No. 2.29, S. No. f to k and m.</p>	Volume 1	Eligible Goods and Services, and OEM Criteria	As per RFP

63	Volume-I, Clause No. 4.3. Performance Bank Guarantee (PBG)	45	<p>Within fifteen (15) working days from the date of issuance of LOI, the successful Bidder shall at his own expense submit unconditional and irrevocable Performance Bank Guarantee (PBG) to the Authority. The PBG shall be from a Nationalized Bank having branch at Guwahati in the format prescribed in Section 8 - Annexure 4, payable on demand, for the due performance and fulfillment of the contract by the bidder. This Performance Bank Guarantee shall be for an amount equivalent to 10% of total contract value. PBG shall be invoked by Authority, in the event the Bidder:</p> <p>a) Fails to meet the overall penalty condition as mentioned in RFP Volume II or any changes agreed between the parties, b) Fails to perform the responsibilities and obligations as set out in the RFP to the complete satisfaction of Authority, c) Misrepresents facts/information submitted to Authority</p> <p>The performance bank guarantee shall be valid till satisfactory completion of Operation and Maintenance Period. The performance bank guarantee may be discharged/returned by Authority upon being satisfied that there has been due performance of the obligations of the bidder under the contract. However, no interest shall be payable on the performance bank guarantee.</p>	<p>We request you consider the following suggestion:</p> <p>"Within fifteen (15) working days from the date of issuance of LOI, the successful Bidder shall at his own expense submit unconditional and irrevocable Performance Bank Guarantee (PBG) to the Authority. The PBG shall be from a Nationalized Bank having branch at Guwahati in the format prescribed in Section 8 - Annexure 4, payable on demand, for the due performance and fulfillment of the contract by the bidder.</p> <p>This Performance Bank Guarantee shall be for an amount equivalent to 10% 3% of total contract value valid till Overall System Go Live and UAT. PBG shall be invoked by Authority, in the event the Bidder:</p> <p>a) Fails to meet the overall penalty condition as mentioned in RFP Volume II or any changes agreed between the parties, b) Fails to perform the responsibilities and obligations as set out in the RFP to the complete satisfaction of Authority, c) Misrepresents facts/information submitted to Authority.</p> <p>Additional performance bank guarantee of shall be submitted for an amount equivalent to 3% of total OPEX value valid till satisfactory completion of Operation and Maintenance Period. The performance bank guarantee may be discharged/returned by Authority upon being satisfied that there has been due performance of the obligations of the bidder under the contract. However, no interest shall be payable on the performance bank guarantee."</p>	Volume 1	PBG	Refer corrigendum
64	7.1 Manufacturers'/Producers' Authorization Form	73 of 96	Manufacturers'/Producers' Authorization Form - Clarity Request	Please confirm whether submission of multiple OEM MAFs and technical literature is allowed or not for individual BoQ Line Items or a single OEM has to be quoted for each line item.	Volume 1	MAF/PAF	Single OEM to be quoted for each line item along with supporting documents.
65	Volume 1 1.3. Bid Data Sheet 14, Pre-Bid Conference time, date, & Venue	8	No Prebid meeting shall be held. Only Bidders allowed to submit all queries properly described with required references to GSCL which will be replied appropriately on e-procurement portal. Bidders are requested to submit Pre-Bid queries in mail-idmsmartguwahati@gmail.com.	Conducting Pre-Bid Meeting would provide an excellent platform for participants to seek clarification on any aspects of the project that may not be entirely clear from the bid documents. This will help to submit a well-informed and competitive bid. Hence, we hereby request the authority to <u>kindly conduct the pre-bid meeting online as well as offline.</u>	Volume 1	Pre-bid meeting request	As per RFP
66	Volume 1 1.3. Bid Data Sheet 12. Bid Security/Earnest Money Deposit (EMD)	8	INR 6,10,70,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) online deposit through e Procurement portal(3% of ETA)	This being huge amount can affect cash-flow of the organization. Hence, we hereby request the authority to <u>kindly allow submission of EMD in form of Bank Guarantee from Scheduled/Nationalized bank along with the BG format and Bank details</u>	Volume 1	EMD	Refer corrigendum. EMD in the prescribed BG format is acceptable. EMD to be made valid for at least 3 months from the date of submission of bid.
67	Volume 1 2.8. Earnest Money Deposit (EMD)	17	The bid document must be accompanied by the Earnest Money Deposit of Rs. 61,070,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank.		Volume 1	EMD	As per RFP
68	Volume 1 2.2. Eligible Bidders	15	A consortium should not consist of more than two parties (including the Lead Bidder)	As both the clauses contradict, we understand that consortium of Three members (1 + 2) is allowed. Kindly confirm.	Volume 1	Consortium	Lead Bidder + maximum 1 Consortium member allowed
69	Volume 1 1.4. Definitions/Acronyms	9	A consortium consists of multiple members (not more than Three parties - Lead Bidder + maximum 1 Consortium member)		Volume 1	Consortium	Lead Bidder + maximum 1 Consortium member allowed
70	Volume 1 4.3. Performance Bank Guarantee (PBG)	45	The PBG shall be from a Nationalized Bank having branch at Guwahati in the format prescribed in Section 8 - Annexure 4, payable on demand, for the due performance and fulfillment of the contract by the bidder.	We hereby request the authority to kindly amend the said clause as: "The PBG shall be from a <u>Scheduled</u> /Nationalized Bank having branch at Guwahati in the format prescribed in Section 8 - Annexure 4, payable on demand, for the due performance and fulfillment of the contract by the bidder."	Volume 1	PBG	Refer corrigendum

71	Volume 1 3.5 Pre- Qualification Criteria PQ 2	34	<p>The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 500 Crores over the last three (3) Financial Years i.e. for FY 2020-21, 2021-22, 2022-23. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 3 financial years, i.e. 2020-21, 2021-22, 2022-23= 50Cr from specific business areas. In case of sole bidder 100% turnover to be from sole bidder.</p> <p>Required Documentary Evidence:</p> <ol style="list-style-type: none"> 1. Audited financial statements for last three Financial Years. 2. CA certificate clearly specifying the annual turnover for the specified years. 3. CA certificate clearly specifying the experience from specific business areas (Business Area means: ICT/ ITES /IT System Integration & Services Experience relevant to this RFP) 4. PAN card 5. GST registration 	<p>In the pursuit of fostering broader involvement and promoting a spirit of robust competition, we request the authority to kindly amend the clause as below:</p> <p>* The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 500 <u>250</u> Crores over the last three (3) Financial Years i.e. for FY 2020-21, 2021-22, 2022-23. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 3 financial years, i.e. 2020-21, 2021-22, 2022-23= 50Cr from specific business areas. In case of sole bidder 100% turnover to be from sole bidder.</p> <p>Required Documentary Evidence:</p> <ol style="list-style-type: none"> 1. Audited financial statements for last three Financial Years. 2. CA certificate clearly specifying the annual turnover for the specified years. 3. CA certificate clearly specifying the experience from specific business areas (Business Area means: ICT/ ITES /IT System Integration & Services Experience relevant to this RFP) 4. PAN card 5. GST registration <p>Note:</p>	Volume 1	PQ Criteria	Refer corrigendum
72	Volume 1 3.5 Pre- Qualification Criteria PQ 2	34	<p>The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 500 Crores over the last three (3) Financial Years i.e. for FY 2020-21, 2021-22, 2022-23. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 3 financial years, i.e. 2020-21, 2021-22, 2022-23= 50Cr from specific business areas. In case of sole bidder 100% turnover to be from sole bidder.</p>	<p>Here both the requirements are contradicting each other. Hence, we understand that average annual turnover of latest 3 financial years (i.e. 2020-21, 2021-22, 2022-23) is to be considered for the said criteria. Kindly confirm the same.</p>	Volume 1	PQ Criteria	Refer corrigendum
73	Volume 1 Table-1: Pre- qualification Requirement	50	<p>The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 500 Crores over the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 3 financial years, i.e. 2019-2020, 2020-2021 & 2021-2022 = 50 Cr from specific business areas. In case of sole bidder 100% turnover to be from sole bidder.</p>		Volume 1	PQ Criteria	Refer corrigendum
74	Volume 1 3.5 Pre- Qualification Criteria PQ 7	35	<p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance projects of INR 50 crore in last Ten years from the date of bidding with at least a single city surveillance/smart city/safe city project with more than 1000 cameras.</p> <p>Required Documentary Evidence:</p> <p>The sole Bidder/any Member of Consortium/ SubContractor(s):</p> <p>Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order. Completion Certificate issued & signed by the authorized signatory of the client entity on the entity's Letterhead In case of large orders/orders with operations & maintenance phase, the completion may specify successful execution of mentioned components and in operation status of a part of the order meeting the requirement through a Self- declaration from authorized signatory.</p> <p>TENDER COMMITTEE reserves the rights to contact & verify with the competent authority for the specified Work Orders/Work completion.</p>	<p>In the spirit of encouraging maximum participation, we request to the authority to kindly consider amending the clause.</p> <p>*The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance/smart city/safe city projects of INR 50 crore in last Ten years from the date of bidding with at least a single city surveillance/smart city/safe city project with more than 4000 <u>700</u> cameras.</p> <p>Required Documentary Evidence:</p> <p>The sole Bidder/any Member of Consortium/ SubContractor(s):</p> <p>Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order. Completion Certificate issued & signed by the authorized signatory of the client entity on the entity's Letterhead In case of large orders/orders with operations & maintenance phase, the completion may specify successful execution of mentioned components and in operation status of a part of the order meeting the requirement through a Self- declaration from authorized signatory.</p> <p>TENDER COMMITTEE reserves the rights to contact & verify with the competent authority for the specified Work Orders/Work completion.</p>	Volume 1	PQ Criteria	As per RFP

75	Volume 1 3.6 Technical Evaluation Criteria TQ 1	37	<p>Average annual turnover from Specific Business Areas as mentioned below for The Sole Bidder/ Bidders (All consortium members put together in case of consortium) over the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22. Out Of total value of turnover; 50% at least to be from lead bidder. Annual average turnover from specific business areas of any consortium member in INR equivalent during the last 3 financial years, i.e. 2019-2020, 2020-2021 & 2021-2022 should be minimum 50Cr. In case of sole bidder 100% turnover to be from sole bidder.</p> <p>Marks shall be allotted as given below: 1. >INR 600 Cr.= 15 marks 2. >INR 550cr. to 600 Cr.= 10 marks 3. =INR 500cr.to 550 Cr.= 05 marks</p> <p>Sole Bidder or Lead Bidder of the consortium and its consortium partners: Certificate from the Statutory Auditor/CA on turnover details from the "specific business areas" over the last three (3) financial years (Business Area means: ICT/ ITES /IT System Integration Services Experience relevant to this RFP)</p>	<p>In the pursuit of fostering broader involvement and promoting a spirit of robust competition, we request the authority to kindly amend the clause as below:</p> <p>Average annual turnover from Specific Business Areas as mentioned below for The Sole Bidder/ Bidders (All consortium members put together in case of consortium) over the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22, 2022-23. Out Of total value of turnover; 50% at least to be from lead bidder. Annual average turnover from specific business areas of any consortium member in INR equivalent during the last 3 financial years, i.e. 2019-2020, 2020-2021, 2021-2022 & 2022-23 should be minimum 50Cr. In case of sole bidder 100% turnover to be from sole bidder.</p> <p>Marks shall be allotted as given below: 1. >INR 600 350 Cr.= 15 marks 2. >INR 550 300 cr. to 600 350 Cr.= 10 marks 3. =INR 500 250 cr.to 550 300 Cr.= 05 marks</p> <p>Sole Bidder or Lead Bidder of the consortium and its consortium partners: Certificate from the Statutory Auditor/CA on turnover details from the "specific business areas" over the last three (3) financial years (Business Area means: ICT/ ITES /IT System Integration Services Experience relevant to this RFP)</p>	Volume 1	PQ Criteria	Refer corrigendum
76	Volume 1 2.29. Eligible Goods and Services, and OEM Criteria	29	<p>q) Proposed ICCC Platform should have been deployed for at least 5 smart cities in India. Additionally, the ICCC Platform should have been successfully operational in any smart city for least 2 years from the date of tender release with Integration to 10 different systems. Document Proof: OEM Shall submit P.O and Completion Certificate/ Installation Notes as documentary proof. ICCC Platform OEM should have ISO 9001:2015 & ISO 27001:2013. ICCC platform should be Make In India.</p>	<p>The requirement specified for ICCC Platform in Eligible good and ICCC application is contradicting.</p> <p>Apart from the same, the said criteria is very restrictive and chances of discourage the Make in India ICCC platform as specified in Eligible goods criteria along,. Considering the same, we request authority to give relaxation in the said criteria and amend the criteria as follow:</p> <p><u>"Proposed ICCC Platform should have been deployed for at least 2 smart cities in India. Additionally, the ICCC Platform should have been successfully operational in any smart city since 1 year from the date of tender release with Integration to 5 different systems.</u></p> <p><u>Document Proof: OEM Shall submit P.O and Completion Certificate/ Installation Notes/UAT Certificates as documentary proof. ICCC Platform OEM should have ISO 9001:2015 & ISO 27001:2013. ICCC platform should be Make In India."</u></p>	Volume 1	Eligible Goods and Services, and OEM Criteria	<p>Please read the clause as below:</p> <p>Proposed ICCC Platform should have been deployed for at least 5 smart cities/safe city/ city wide surveillance Projects in India. Additionally, the ICCC Platform should have been successfully operational in any smart city/safe city/ city wide surveillance Projects for least 2 years from the date of tender release with Integration to 3 different systems. Document Proof: OEM Shall submit P.O and / or Completion Certificate/ Installation Notes as documentary proof. ICCC Platform OEM should have ISO 9001:2015 & ISO 27001:2013. ICCC platform should be Make In India.</p>
77	Volume 2 5.10 Integrated Command and Control Centre(ICCC)	98	<p>Proposed ICCC Platform should have been deployed in at least 5 smart cities in India /Global. Minimum 3 City implantations must be in India among the 5 implementations. All these implementations should be successfully operational for least 3 years with Integration to minimum 10 different sub systems /applications. Document Proof: OEM Shall submit P.O and Completion Certificate/ Installation Notes/UAT Certificates from MSI as documentary proof.</p>		Volume 1	Eligible Goods and Services, and OEM Criteria	<p>Please read the clause as below:</p> <p>Proposed ICCC Platform should have been deployed for at least 5 smart cities/safe city/ city wide surveillance Projects in India. Additionally, the ICCC Platform should have been successfully operational in any smart city/safe city/ city wide surveillance Projects for least 2 years from the date of tender release with Integration to 3 different systems. Document Proof: OEM Shall submit P.O and / or Completion Certificate/ Installation Notes as documentary proof. ICCC Platform OEM should have ISO 9001:2015 & ISO 27001:2013. ICCC platform should be Make In India.</p>
78	Volume 1 2.29. Eligible Goods and Services, and OEM Criteria	30	<p>x) The Sole/ Lead Bidder/ (any member in case of a consortium) shall have experience of executing projects of a) Cyber Security and b) ICCC Platform of not less than INR 3 Crores each as part of smart city/safe city/city surveillance/ large infra project. Experience of named implementing agency empaneled by Sole/ Lead Bidder/ (any member in case of a consortium) and authorized by relevant OEM is acceptable in lieu of direct credential. Documentary evidence in the form of Purchase Order copy along with proof of payment against supply to be submitted from Central Govt./State Govt./PSU customer.</p>	<p>With the objective of promoting wider participation, we hereby request the authority to amend the clause as:</p> <p>x) The Sole/ Lead Bidder/ (any member in case of a consortium) shall have experience of executing projects of a) Cyber Security and b) ICCC Platform collectively of not less than INR 3 Crores each as part of smart city/safe city/city surveillance/ large infra project. Experience of named implementing agency empaneled by Sole/ Lead Bidder/ (any member in case of a consortium) and authorized by relevant OEM is acceptable in lieu of direct credential. Documentary evidence in the form of Purchase Order copy along with proof of payment against supply <u>Completion certificate</u> to be submitted from Central Govt./State Govt./PSU customer.</p>	Volume 1	Eligible Goods and Services, and OEM Criteria	Credential of Bidder / Named Implementation Agency is acceptable.

79	Volume 1 3.5 Pre- Qualification Criteria PQ 1	34	Required Documentary Evidence: 1. Copy of certificate of Incorporation/Registration under Companies Act 1956/ Companies Act 2013 (for Indian companies) 3. A written undertaking from each of the consortium members, in case of a consortium, duly signed by the authorized signatory, holding a written power of attorney for this bid on a stamp paper, authorizing the lead bidder to incur liabilities and receive instructions for and on behalf of any and all consortium members, and the entire execution of the Contract, including but not limited to the payments. 4. MoA among the Consortium Partners shall be submitted Clearly defining the roles & responsibilities of each consortium members. 5. Documentary proof of operation in defined specific business area for at least 5 years to be submitted.	We understand that Memorandum of Agreement (MoA) executed by consortium partners shall suffice the requirement as a proof against the documentary evidence for point no. 3 (i.e. written undertaking) Kindly confirm.	Volume 1	PQ Criteria	As per RFP
80	Volume 1 2.29. Eligible Goods and Services, and OEM Criteria	30	e) OEM to give declaration that offered product will not be end of life for minimum of 24 months from the date of bidding and the support for such offered product/s will be available for minimum of 10 years from the date of bidding.	As the contact period is for 5 years, we hereby request the authority to amend the clause as: e) OEM to give declaration that offered product will not be end of life for minimum of 24 months from the date of bidding and the support for such offered product/s will be available for minimum of 10 years 5 years from the date of bidding.	Volume 1	Eligible Goods and Services, and OEM Criteria	As per RFP
81	Volume 1 3.6 Technical Evaluation Criteria TQ 6	40 to 42	6. Proposed Resources	We request the authority to clarify which qualification criteria to be considered amongst the mentioned clause as both of them contradicts	Volume 1	TQ evaluation criteria	As per RFP
82	Volume 1 3.6.1 Key Personnel Criteria	42	3.6.1 Key Personnel Criteria		Volume 1	TQ evaluation criteria	As per RFP
83	Volume 1 3.6 Technical Evaluation Criteria TQ 6	43	A. Technical Leader cum Program Manager : 3 marks i. Min Educational Qualification: BE/B. Tech / MCA or equivalent with MBA/M.Tech or equivalent ii. Min Work experience in the capacity of Project/Program Manager in ICT implementation Projects: 10 years a. Certification: PMP/ Prince 2 Certification- 0.5 mark b. Work experience in the capacity of Project/Program Manager in ICT implementation Projects: i. > 10 years of relevant experience): 0.5 mark ii. > 12 years of relevant experience): 1 mark c. Project/Program Management Experience in ICT implementation Project of value > 100 crores: 1 mark d. Project/Program Management Experience of min 6 months in Smart	A. Technical Leader cum Program Manager : 3 marks i. Min Educational Qualification: BE/B. Tech / MCA or equivalent with MBA/M.Tech or equivalent ii. Min Work experience in the capacity of Project/Program Manager in ICT implementation Projects: 10 years a. Certification: PMP/ Prince 2 Certification- 0.5 mark b. Work experience in the capacity of Project/Program Manager in ICT implementation Projects: i. > 10 years of relevant experience): 0.5 mark ii. > 12 years of relevant experience): 1 mark c. Project/Program Management Experience in ICT implementation Project of value > 100 crores 50 crores : 1 mark d. Project/Program Management Experience of min 6 months in Smart City ICT implementation Project: 0.5 mark	Volume 1	TQ evaluation criteria	Refer Corrigendum
84	Volume 1 3.6 Technical Evaluation Criteria TQ 6	41	D. Network Expert: 1 mark i. Min Educational Qualification: Bachelor's Degree in Engineering/MCA or equivalent ii. Min 5 years of work experience as network expert for IT/ICT Project a. Certification: Relevant certification preferably CCNA / CCNP/ or equivalent. -0.5 marks b. Work experience as network expert for IT/ICT Projects i. > 5 years of relevant experience)-0.5 mark	It has been observed that in any Smart City / Safe City Bid Network & Security Expert Requirement can be fulfilled by a single resource . Hence we request the authority to amend the requirement as below: "Network & Security Expert: 2 mark i. Min Educational Qualification: Bachelor's Degree in Engineering/ MCA or equivalent ii. Min 5 years of work experience as Network & Security expert for IT/ICT Project a. Certification: Relevant certification preferably IT security/ CISM/ CISSP/ CCNA / CCNP/ or equivalent. -1 marks b. Work experience as Network & Security Expert for IT/ICT Projects i. > 5 years of relevant experience)- 1 mark"	Volume 1	TQ evaluation criteria	As per RFP
85	Volume 1 3.6 Technical Evaluation Criteria TQ 6	42	G. Security Expert: 1 mark i. Min Educational Qualification: Bachelor's Degree in Engineering/MCA or equivalent ii. Min 5 years of Work experience as IT Security expert a. Certification: Relevant certification in IT security/ CISM/ CISSP/CCNP or equivalent-0.5 mark Work experience as IT Security expert i. > 5 years of relevant experience)- 0.5 mark		Volume 1	TQ evaluation criteria	As per RFP
86	Volume 1 6.3. Company profile A. Brief company profile (required for Sole bidder / all members of Consortium)	54	Self-certified copy of Certificate from statutory auditor for Positive net worth as per audited consolidated financial statements for last three financial years shall be submitted.	We hereby request the authority to amend the clause as: "Self-certified copy of Certificate from statutory auditor / <u>Chartered Accountant</u> for Positive net worth as per audited consolidated financial statements for last three financial years shall be submitted."	Volume 1	PQ Criteria	CA certificate also acceptable

87	Table-1: Pre-qualification Requirement, Company Profile - Vol-1	49	<p>1. The Sole Bidder/ Bidder (each of consortium members in case of consortium) shall be in operations for a period of at least Ten (10) years prior to the date of bid submission.</p> <p>2. The Sole Bidder/ Bidder (each of consortium members in case of consortium) should be a company registered in India for a period of at least Five (5) years prior to the date of bid submission.</p> <p>Relevant Global Technical experience/ credentials of 100% subsidiary company/sister concerns shall be considered only, however, the average annual turnover for last 3 years of India entity of the Lead bidder/Sole Bidder should be equal to 50% of the project value as defined in the NIT.</p> <p>3. The Sole Bidder/ Bidder (each of consortium members in case of consortium) should be in same line of business as defined by specific business area for at least 5 years.</p>	<p>Please change the Clause as Under :</p> <p>1. The Sole Bidder/ Bidder (each of consortium members in case of consortium) shall be in operations for a period of at least Ten (10) years prior to the date of bid submission</p> <p>2. The Sole Bidder/ Bidder (each of consortium members in case of consortium) should be a company registered in India for a period of at least Ten (10) years prior to the date of bid submission.</p> <p>Relevant Global Technical experience/ credentials of subsidiary having control/Stake of more than 51% /sister concerns shall be considered only, however, the average annual turnover for last 3 years of India entity of the Lead bidder/Sole Bidder should be equal to 50% of the project value as defined in the NIT.</p> <p>3. The Sole Bidder/ Bidder (each of consortium members in case of consortium) should be in same line of business as defined by specific business area for at least 5 years.</p> <p>As in BOOT,BOT,PPP model projects bidder need to create Joint venture/SPV for the project requirement with tendering authority so requesting to relax this clause</p>	Volume 1	PQ Criteria	Refer Corrigendum
88	Table-1: Pre-qualification Requirement, Large Surveillance Project Experience - Vol-1	50	<p>The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 500 Crores over the last three (3) Financial Years i.e. for FY 2020-21, 2021-22, 2022-23. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 3 financial years, i.e. 2020-21, 2021-22, 2022-23 = 50Cr from specific business areas.</p> <p>In case of sole bidder 100% turnover to be from sole bidder.</p> <p>The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 500 Crores over the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 3 financial years, i.e. 2019-2020, 2020-2021 & 2021-2022 = 50 Cr from specific business areas. In case of sole bidder 100% turnover to be from sole bidder.</p>	<p>We Understand that consolidate balance sheet of the bidder is acceptable. Is our understanding correct. Please clarify</p>	Volume 1	PQ Criteria	Refer Corrigendum
89	Table-1, Others Smart Solutions Based Project Experience- Vol-1	51	<p>The Sole/ Lead Bidder/ (any member in case of a consortium) shall have experience of any of the Three (3) solutions during the last Ten (10) years (excluding civil work) from the date of bid submission from the mentioned areas:</p> <ol style="list-style-type: none"> 1) GIS 2) Variable Messaging Display 3) Environmental Sensor 4) PA System/Sound System <p>The minimum value of the above-mentioned solutions in the project should be INR 50 lacs</p>	<p>Please change this clause as Under :</p> <p>The Sole/ Lead Bidder/ (any member in case of a consortium) shall have experience of any of the Two (2) solutions during the last Ten (10) years (excluding civil work) from the date of bid submission from the mentioned areas:</p> <ol style="list-style-type: none"> 1) GIS 2) Variable Messaging Display 3) Environmental Sensor 4) PA System/Sound System 5) CCTV <p>The minimum value of the above-mentioned solutions in the project should be INR 50 lacs</p>	Volume 1	PQ Criteria	Refer Corrigendum
90	2.8. Earnest Money Deposit (EMD) Vol-1	17	<p>The bid document must be accompanied by the Earnest Money Deposit of Rs. 61,070,522/-</p> <p>(INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment</p>	<p>EMD amount is generally 1% for such big project. Therefore, kindly amend to INR 2,03,56,841/- (INR. Two Crore, Three Lakhs Fifty-Six Thousand Thousand Eight Hundred One only) online deposit through e Procurement portal(1% of ETA)</p>	Volume 1	EMD	Refer corrigendum. EMD in the prescribed BG format is acceptable. EMD to be made valid for at least 3 months from the date of submission of bid.
91	4.3. Performance Bank Guarantee (PBG)-VOL-1	45	<p>Within fifteen (15) working days from the date of issuance of LOI, the successful Bidder shall at his own expense submit unconditional and irrevocable Performance Bank Guarantee (PBG) to the Authority. The PBG shall be from a Nationalized Bank having branch at Guwahati in the format prescribed in Section 8 - Annexure 4, payable on demand, for the due performance and fulfillment of the contract by the bidder.</p> <p>This Performance Bank Guarantee shall be for an amount equivalent to 10% of total contract value. PBG shall be invoked by Authority, in the event the Bidder</p>	<p>Kindly amend the Performance Bank Guarantee value to an amount equivalent to 5% of total contract value.</p>	Volume 1	PBG	Refer Corrigendum
92	3.6 Technical Evaluation Criteria- Annual turnover- Vol-1	38	<p>Average annual turnover from Specific Business Areas as mentioned below for The Sole Bidder/ Bidders (All consortium members put together in case of consortium) over the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22. Out Of total value of turnover; 50% at least to be from lead bidder. Annual average turnover from specific business areas of any consortium member in INR equivalent during the last 3 financial years, i.e. 2019-2020, 2020-2021 & 2021-2022 should be minimum 50Cr. In case of sole bidder 100% turnover to be from sole bidder. Marks shall be allotted as given below:</p> <ol style="list-style-type: none"> 1. > INR 600 Cr. = 15 marks 2. > INR 550cr. to 600 Cr. = 10 marks 3. = INR 500cr. to 550 Cr. = 05 marks 	<p>Please change this Clause as under :</p> <p>Average annual turnover from Specific Business Areas as mentioned below for The Sole Bidder/ Bidders (All consortium members put together in case of consortium) over the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22. Out Of total value of turnover; 50% at least to be from lead bidder. Annual average turnover from specific business areas of any consortium member in INR equivalent during the last 3 financial years, i.e. 2019-2020, 2020-2021 & 2021-2022 should be minimum 50Cr. In case of sole bidder 100% turnover to be from sole bidder. Marks shall be allotted as given below:</p> <ol style="list-style-type: none"> 1. > INR 550 Cr. = 15 marks 2. > INR 525cr. to 550 Cr. = 10 marks 3. = INR 500cr. to 525 Cr. = 05 marks 	Volume 1	TQ evaluation criteria	Refer Corrigendum

93	3.6 Technical Evaluation Criteria- ICT Components- Vol-1	39	The Sole/ Lead Bidder/ (any member in case of consortium) shall have experience of any of the Three (3) solution in last Ten years (excluding civil work) from the mentioned areas: 1) Cyber Security System 2) GIS 3) Variable Messaging Display 4) Environmental Sensor 5) PA System/Sound System Cumulative Value of the above mentioned solutions in the projects selected: 1) >INR 250 Lacs = 10 marks 2) >INR 200 Lacs to 250 Lacs= 8.5 marks 3) =INR 150 Lacs to 200 Lacs= 7 Marks	Please change this clause as Under : The Sole/ Lead Bidder/ (any member in case of consortium) shall have experience of any of the Three (3) solution in last Ten years (excluding civil work) from the mentioned areas: 1) Cyber Security System 2) GIS 3) Variable Messaging Display/Environmental Sensor 4) PA System/Sound System 5)ITMS Cumulative Value of the above mentioned solutions in the projects selected: 1) >INR 250 Lacs = 10 marks 2) >INR 200 Lacs to 250 Lacs= 8.5 marks 3) =INR 150 Lacs to 200 Lacs= 7 Marks for Better participation	Volume 1	TQ evaluation criteria	Refer Corrigendum
94	Large Surveillance Project Experience	??	The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance projects of INR 50 crore in last Ten years from the date of bidding with at least a single city surveillance/smart city/safe city project with more than 1000 cameras	The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance projects of INR 50 crore in last Ten years from the date of bidding with at least a single city surveillance/smart city/safe city project with more than <u>500</u> cameras	Volume 1	PQ Criteria	As per RFP
95	Volume-I, Clause No. 1.4, Definitions/Acronyms, SI # 12	9 of 96	Consortium consists of multiple members (not more than Three parties - Lead Bidder + maximum 1 Consortium member) entering into a Consortium Agreement for a common objective of satisfying the Authority requirements & represented by lead member of the consortium, designated as a "Lead Bidder". Also, the responsibility for successful execution of the entire project will be that of the defined Lead bidder. The consortium members should have relevant experience of executing similar roles and responsibilities in past as stated in the MoU in Annexure 6. Parent company existence of Bidder/ Lead bidder would be considered for only 100% subsidiary/ division/ sub division/ branch business unit. For the purpose of technical evaluation, net worth and turnover of parent, associate or other related entity will not be considered	Tender clause is contradicting in terms of number of consortium members allowed. Please confirm only two members including Lead Bidder are allowed in consortium as per Clause no. 2.2. b, Consortium of Firms <u>Justification:</u> Allowing more consortium partners will jeopardize the project execution without any fixation of clear role and responsibility between the parties	Volume 1	Consortium	Lead Bidder + maximum 1 Consortium member allowed
96	Volume-I Earnest Money Deposit	12 of 96	INR 6,10,70,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) online deposit through e Procurement portal (3% of ETA)	Request you to allow Bank Guarantee, as an instrument, to be allowed towards EMD	Volume 1	EMD	Refer corrigendum. EMD in the prescribed BG format is acceptable. EMD to be made valid for at least 3 months from the date of submission of bid.
97	Volume-I Clause # 3.5.1 Pre-Qualification Criteria - Company Profile	34 of 96	1. The Sole Bidder/ Bidder (each of consortium members in case of consortium) shall be in operations for a period of at least Ten (10) years prior to the date of bid submission 2. The Sole Bidder/ Bidder (each of consortium members in case of consortium) should be a company registered in India for a period of at least Ten (10) years prior to the date of bid submission. 3. The Sole Bidder/ Bidder (each of consortium members in case of consortium) should be in same line of business as defined by specific business area for at least 5 years	Request you to modify the same as below: 1. The Sole Bidder/ Bidder (each of consortium members in case of consortium) shall be in operations for a period of at least Ten (10) years prior to the date of bid submission 2. The Sole Bidder/ Bidder (each of consortium members in case of consortium) should be a company registered in India for a period of at least Ten (10) years prior to the date of bid submission 3. The Sole Bidder/ Bidder (ANY of consortium members in case of consortium) should be in same line of business as defined by specific business area for at least 5 years <u>Reason / Justification:</u> Will promote greater participation	Volume 1	PQ Criteria	Refer corrigendum
98	Volume-I Clause # 3.5.2 Pre-Qualification Criteria - Company Financial Profile	34 of 96	The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 500 Crores over the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 3 financial years, i.e. 2019-2020, 2020-2021 & 2021-2022 = 50Cr from specific business areas. In case of sole bidder 100% turnover to be from sole bidder	We request acceptance of 2022-23 as the latest financial year to be reviewed. In this regard, we also request acceptance of Audited Balance Sheet/Provisional CA Certified Statements. Accordingly, we request acceptance of the following modified clause: The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 500 Crores over the last three (3) Financial Years i.e. for FY 2020-21, 2021-22 & 2022-23. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 3 financial years, i.e. 2020-2021 & 2021-2022 & 2022-23 = 50Cr from specific business areas. In case of sole bidder 100% turnover to be from sole bidder	Volume 1	PQ Criteria	Refer corrigendum
99	Volume-I Clause # 3.5.3 Pre-Qualification Criteria - Financial Net Worth	34 of 96	The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 500 Crores over the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 3 financial years, i.e. 2019-2020, 2020-2021 & 2021-2022 = 50Cr from specific business areas. In case of sole bidder 100% turnover to be from sole bidder	We request acceptance of 2022-23 as the latest financial year to be reviewed. In this regard, we also request acceptance of Audited Balance Sheet/Provisional CA Certified Statements. Accordingly, we request acceptance of the following modified clause: The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 500 Crores over the last three (3) Financial Years i.e. for 2020-21, 2021-22 & 2022-23. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 3 financial years, i.e. 2020-2021 & 2021-2022 & 2022-23 = 50Cr from specific business areas. In case of sole bidder 100% turnover to be from sole bidder	Volume 1	PQ Criteria	Refer corrigendum

100	Volume-I Clause # 3.5.7 Pre- Qualification Criteria - Large Surveillance Project Experience	35 of 96	The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance projects of INR 50 crore in last Ten years from the date of bidding with at least a single city surveillance/smart city/safe city project with more than 1000 cameras	We understand that to comply to this clause Bidder must have secured cumulative value of \geq INR 50 crore or more from IP Camera based surveillance projects We request you to accept: "The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance projects of cumulative value not less than INR 50 crore in last Ten Years from the date of bidding with at least a single city surveillance/smart city/safe city project with more than 1000 cameras" Please also confirm that "Project Experience of only Smart City/Safe City/Govt Dept or PSU shall be considered"	Volume 1	PQ Criteria	Refer corrigendum
101	Volume-I Clause # 3.5.8 Pre- Qualification Criteria - ICT Based Projects Experience	35 of 96	The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at any three(03) distinct projects of cumulative value not less than INR 50 Crores during last Ten years from the date of bid submission (excluding civil work) out of the Four (4) Categories mentioned below: 1) Data Center / Servers- Storage Infrastructure establishment 2) Command and control center/ City Control Room / Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone / OFC / City wide network / Large Campus like Airports At least 2 projects of any two of the above mentioned solutions should be of value of 10 Cr each or higher	We request addition of Cyber Security also with respect to this criteria as Cyber Security is also a vital component of this project. Accordingly, please modify the statement as follows: The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at least any three(03) distinct projects of cumulative value not less than INR 50 Crores during last Ten years from the date of bid submission (excluding civil work) out of the Four (4) Categories mentioned below: 1) Data Centre / Servers- Storage/ Cyber Security for DC & DR Infrastructure establishment 2) Command and control center/ City Control Room / Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network / Large Campus like Airports At least 2 projects of any two of the above mentioned solutions projects cited to fulfill above criteria should be of value of 10 Cr each or higher Please also confirm that "Project Experience of only Smart City/Safe City/Govt Dept or PSU shall be considered"	Volume 1	PQ Criteria	Refer corrigendum
102	Volume-I Clause # 3.5.9 Pre- Qualification Criteria - Others Smart Solutions Based Project Experience	36 of 96	The Sole/ Lead Bidder/ (any member in case of a consortium) shall have experience of any of the Three (3) solutions during the last ten (10) years (excluding civil work) from the date of bid submission from the mentioned areas: 1) GIS 2) Variable Messaging Display 3) Environmental Sensor 4) PA System/Sound System The minimum value of the above-mentioned solutions in the project should be INR 50 lacs	We request addition of Emergency Call Box (ECB) also with respect to this criteria as Emergency Call Box (ECB) is also a vital component of this project. Accordingly, please modify the statement as follows: The Sole/ Lead Bidder/ (any member in case of a consortium) shall have experience of any of the Three (3) solutions during the last Ten (10) years (excluding civil work) from the date of bid submission from the mentioned areas: 1) GIS 2) Variable Messaging Display 3) Environmental Sensor 4) PA System/Sound System 5) ECB System The minimum value of the above-mentioned solutions in the project should be INR 50 lacs <u>Justification:</u> ECB System is also considered in the scope of this project	Volume 1	PQ Criteria	Refer corrigendum
103	Volume-I 3.6.1 Technical Qualification Criteria - Annual Turnover	39 of 96	Average annual turnover from Specific Business Areas as mentioned below for The Sole Bidder/ Bidders (All consortium members put together in case of consortium) over the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22. Out Of total value of turnover; 50% at least to be from lead bidder. Annual average turnover from specific business areas of any consortium member in INR equivalent during the last 3 financial years, i.e. 2019-2020, 2020-2021 & 2021-2022 should be minimum 50Cr. In case of sole bidder 100% turnover to be from sole bidder. Marks shall be allotted as given below: 1. >INR 600 Cr.= 15 marks 2. >INR 550cr. to 600 Cr.= 10 marks 3. =INR 500cr.to 550 Cr.= 05 marks	We request to modify as follows to ensure less ambiguity: Average annual turnover from Specific Business Areas as mentioned below for The Sole Bidder/ Bidders (All consortium members put together in case of consortium) over the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22 and 2022-23 Out Of total value of turnover; 50% at least to be from lead bidder. Annual average turnover from specific business areas of any consortium member in INR equivalent during the last 3 financial years, i.e. 2019-2020, 2020-2021, 2021-2022 and 2022-23 should be minimum 50Cr. In case of sole bidder 100% turnover to be from sole bidder. Marks shall be allotted as given below: 1. >INR 600 Cr.= 15 marks 2. >INR 550cr. to 600 Cr.= 10 marks 3. =INR 500cr.to 550 Cr.= 05 marks	Volume 1	TQ evaluation criteria	Refer corrigendum

104	Volume-I 3.6.3 Technical Qualification Criteria - ICT Components	39 of 96	<p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at any three (03) distinct Projects of during last Ten years from the date of bid submission (excluding civil work) out of the Four (4) Categories mentioned below:</p> <ol style="list-style-type: none"> 1) Data Center / Servers- Storage Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network / Large Campus like Airports <p>At least 2 projects of any two of the above-mentioned solutions should be of value of 10 Cr each or higher. Marks shall be allotted as below:</p> <p>Cumulative Project Value:</p> <ol style="list-style-type: none"> 1) >INR 75 cr.= 30 marks 2) >INR 60 cr. to 75 cr.= 25 marks 3) = INR 50 cr. to 60 cr.= 20 Marks 	<p>We request to modify as follows to ensure less ambiguity:</p> <p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at least any three(03) distinct Projects of during last Ten years from the date of bid submission (excluding civil work) out of the Four (4) Categories mentioned below:</p> <ol style="list-style-type: none"> 1) Data Center / Servers- Storage / Cyber Security for DC & DR Infrastructure establishment Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network / Large Campus like Airports <p>At least 2 projects of any two of the above-mentioned solutions projects cited to fulfill above criteria should be of value of 10 Cr each or higher</p> <p>Marks shall be allotted as below:</p> <p>Cumulative Project Value:</p> <ol style="list-style-type: none"> 1) >INR 75 cr.= 30 marks 2) >INR 60 cr. to 75 cr.= 25 marks 3) = INR 50 cr. to 60 cr.= 20 Marks <p>Please also confirm that "Project Experience of only Smart City/Safe City/Govt Dept or PSU shall be considered"</p>	Volume 1	TQ evaluation criteria	Refer corrigendum
105	Volume-I 3.6.4 Technical Qualification Criteria - ICT Components	39 of 96	<p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have experience of any of the Three (3) solution in last Ten years (excluding civil work) from the mentioned areas:</p> <ol style="list-style-type: none"> 1) Cyber Security System 2) GIS 3) Variable Messaging Display 4) Environmental Sensor 5) PA System/Sound System <p>Cumulative Value of the above mentioned solutions in the projects selected:</p> <ol style="list-style-type: none"> 1) >INR 250 Lacs = 10 marks 2) >INR 200 Lacs to 250 Lacs= 8.5 marks 3) =INR 150 Lacs to 200 Lacs= 7 Marks 	<p>We request to modify as follows to ensure ECB which is also a vital component of this project is also covered:</p> <p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have experience of any of the Three (3) solution in last Ten years (excluding civil work) from the mentioned areas:</p> <ol style="list-style-type: none"> 1) Cyber Security System 2) GIS 3) Variable Messaging Display 4) Environmental Sensor 5) PA System/Sound System 6) ECB <p>Cumulative Value of the above mentioned solutions in the projects selected:</p> <ol style="list-style-type: none"> 1) >INR 250 Lacs = 10 marks 2) >INR 200 Lacs to 250 Lacs= 8.5 marks 3) =INR 150 Lacs to 200 Lacs= 7 Marks 	Volume 1	TQ evaluation criteria	Refer corrigendum
106	Volume-I 7.10. Manufacturers'/Pro ducers' Authorization Form	73 of 96	Request for additional information	Please confirm whether submission of MAF-s and Datasheets from multiple OEM-s is allowed or not for individual BoQ Line Items or a single OEM has to be quoted for each line item	Volume 1	MAF	Single OEM to be quoted for each line item along with supporting documents.
107	Volume-I 3.5 & 3.6 Pre- Qualification and Technical Qualification Criteria			<ol style="list-style-type: none"> a) We request acceptance of CA Certificate in lieu of certificate from statutory auditor, wherever applicable b) We request acceptance of CA Certified Provisional Statements for 2022-23 in case Audited Balance Sheets are not available, as on date of Bid Submission 	Volume 1	PQ Criteria	Refer corrigendum
108	Volume 1	34	<p>3.5 Pre-Qualification Criteria , SI No -2</p> <p>The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 500 Crores over the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 3 financial years, i.e. 2019-2020, 2020-2021 & 2021-2022 = 50 Cr from specific business areas. In case of sole bidder 100% turnover</p>	Requesting to consider the average annual turnover of a sole bidder should be 270 Cr instead of 500 Cr over the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22	Volume 1	PQ Criteria	Refer corrigendum
109	Volume 1	34	<p>3.5 Pre-Qualification Criteria , SI No -3</p> <p>The Sole Bidder/ Bidder (each of consortium members in case of consortium) shall have positive net worth the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22. While the Sole/ lead bidder shall have minimum net worth of 25% of the estimated project value as mentioned in the NIT as per the last audited Financial Year i.e. for FY 2021-22.</p>	<p>Requesting to mention the clause that the Sole Bidder must have positive net worth in the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22 for participating in the RFP.</p> <p>Please revise the clause that the Sole/ lead bidder shall have minimum net worth of 10% of the estimated project value as mentioned in the NIT as per the last audited Financial Year i.e. for FY 2021-22.</p>	Volume 1	PQ Criteria	Refer Corrigendum

110	Volume 1	36	3.5 Pre-Qualification Criteria , SI No -9 The Sole/ Lead Bidder/ (any member in case of a consortium) shall have experience of any of the Three (3) solutions during the last Ten (10) years (excluding civil work) from the date of bid submission from the mentioned areas: 1) GIS 2) Variable Messaging Display 3) Environmental Sensor 4) PA System/Sound System The minimum value of the above-mentioned solutions in the project should be INR 50 lacs	Please confirm that Sole/Lead Bidder shall have experience in three(3) solutions during last ten years among four (4) following areas; 1) GIS 2) Variable Messaging Display 3) Environmental Sensor 4) PA System/Sound System and also please confirm that the value mentioned INR 50 lacs is a cumulative value of three (3) solutions (as mentioned above) or its a value of each solution.	Volume 1	PQ Criteria	Refer Corrigendum
111	Volume 1	9	A Consortium consists of multiple members (not more than Three parties - Lead Bidder + maximum 1 Consortium member) entering into a Consortium Agreement for a common objective of satisfying the Authority requirements & represented by lead member of the consortium, designated as a "Lead Bidder". Also, the responsibility for successful execution of the entire project will be that of the defined Lead bidder. The consortium members should have relevant experience of executing similar roles and responsibilities in past as stated in the MoU in Annexure 6. Parent company existence of Bidder/ Lead bidder would be considered for only 100% subsidiary/ division/ sub division/branch business unit. For the purpose of technical evaluation, net worth and turnover of parent, associate or other related entity will not be considered.	A Consortium consists of how many parties(companies)? Please clarify!	Volume 1	Consortium	Lead Bidder + maximum 1 Consortium member allowed
112	Volume 1	2		Please give us an extension atleast 15 days for submitting the bid documents after publishing the pre-bid responses.	Volume 1	Bid Submission	Refer Corrigendum
113	Volume 1 2.8. Earnest Money Deposit (EMD)	17	The bid document must be accompanied by the Earnest Money Deposit of Rs. 61,070,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only), through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank.	"Bidders are required to submit the Earnest Money Deposit of Rs. 61,070,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) in the form of Bank Guarantee (BG) or through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank." As the EMD amount is very high therefore it is requested to consider the EMD in the form of Bank Guarantee which will enable the wider participation in this tender. It is also requested to share the bank details of the end client for the payment of EMD in the form of NEFT/RTGS in case bidder chooses to pay the EMD through offline mode via NEFT/RTGS..	Volume 1	EMD	Refer corrigendum. EMD in the prescribed BG format is acceptable. EMD to be made valid for at least 3 months from the date of submission of bid.
114	Volume 1 3.5 Pre-Qualification Criteria (Large Surveillance Project Experience)	35	The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance projects of INR 50 crore in last Ten years from the date of bidding with at least a single city surveillance/ smart city/safe city project with more than 1000 cameras.	It is requested to amend the clause as: "The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed IP Camera based surveillance projects of INR 50 crore in last Ten years from the date of bidding with at least a single surveillance/ smart city/safe city project with more than 1000 cameras." Specifically asking for outdoor IP camera is making this clause restrictive therefore it is requested to consider our request for the wider participation in this tender.	Volume 1	PQ Criteria	As per RFP
115	Volume 1 3.5 Pre-Qualification Criteria (Others Smart Solutions Based Project Experience)	36	The Sole/ Lead Bidder/ (any member in case of a consortium) shall have experience of any of the Three (3) solutions during the last Ten (10) years (excluding civil work) from the date of bid submission from the mentioned areas: 1) GIS 2) Variable Messaging Display 3) Environmental Sensor 4) PA System/Sound System The minimum value of the above-mentioned solutions in the project should be INR 50 lacs	It is requested to amend the clause as: "The Sole/ Lead Bidder/ (any member in case of a consortium) shall have experience of any of the Three (3) solutions during the last Ten (10) years (excluding civil work) from the date of bid submission from the mentioned areas: 1) Cyber Security System 2) GIS 3) Variable Messaging Display/Video Wall/Display System 4) Environmental Sensor 5) PA System/Sound System The minimum value of the above-mentioned solutions in the project should be INR 50 lacs or Cumulative Value of the above mentioned solutions in the projects should be INR 1.5 Crore" It is requested to add the "Cyber Security System" in this clause as the same is also there in the TQ clause. Further, please note that minimum value of Rs 50 Lacs asked for the solutions like VMD, Environmental Sensor and PA system/Sound system is very high. Thus, clause is restrictive in nature and requested to amended as above.	Volume 1	PQ Criteria	Refer corrigendum
116	Volume 1 2.29. Eligible Goods and Services, and OEM Criteria	Page No. 28-29	The proposed OEM of Camera, Network Switches, Storage, Server, Workstations and Network Racks should have installed base of at least 20% of the quoted product series in terms of volume in a single project.	Request to amend below as it may favour to specific OEM who has the quoted product series experience installed base. To make a fair competition between other CCTV OEM's below clause required to modify <u>The proposed OEM of Camera, Network Switches, Storage, Server, Workstations and Network Racks should have supplied base of at least 20% of the product in terms of volume in a single project.</u>	Volume 1	Eligible Goods and Services, and OEM Criteria	As per RFP

117	VOLUME I-2.29. Eligible Goods and Services, and OEM Criteria		Sr.No. (m) CCTV OEM should be active company and should have direct presence in India from last ten years (not as joint venture, partnership firms or through any other association) & manufacturing in India since last Five years (not as joint venture, partnership firms or through any other association) (3rd Party Manufacturing not allowed) and Foreign CCTV OEM should have manufacturing unit globally from last 10 Years at the time of bidding. Documentary evidence should be submitted.	Request you to consider amending " CCTV OEM should be active company and should have direct presence in India from last 7 years (not as joint venture, partnership firms or through any other association) & manufacturing in India since last Five years (not as joint venture, partnership firms or through any other association) (3rd Party Manufacturing not allowed) OR Foreign CCTV OEM should have manufacturing unit globally from last 10 Years at the time of bidding. Documentary evidence should be submitted." so that other OEM can participate in this project .	Volume 1	Eligible Goods and Services, and OEM Criteria	As per RFP
118	Volume 1: Instruction to Bidders	Page No 7	1.3. Bid Data Sheet sl no 7 Period of Implementation 9 Months from the date of Letter of Award	Please keep minimum 12 months for Implementation period that too from the date of Contract Signing /MSA Signing instead of LOA , as 1). Firstly basis contract signing only Orders are booked internally within bidders organisation and subsequently site survey done ,BoM finalised and order placed on OEMs/Partners 2). there are several dependencies comes across the project team of either party (MS1 and Implementation Agency/SPV team during the course of implementations like Site Selections ,Sites Feasibility ,Permissions from 3rd party authorities to name a few ,which are beyond the control of either parties	Volume 1	Project Time frame	As per RFP
119	Volume 1: Instruction to Bidders	Page No 8	1.3. Bid Data Sheet sl no 12 Bid Security/Earnest Money Deposit - INR 6,10,70,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) online deposit through e Procurement portal(3% of ETA)	Kindly allow the bidders to submit the EMD /Bid Security in the form of Bank Guarantee which is even allowed as per Government of India Procurement Guidelines as well as Model RFP of Smart City Mission under MoHUA ,Govt of India . Hence please do share the EMD Bank Guarantee Format also	Volume 1	EMD	Refer corrigendum. EMD in the prescribed BG format is acceptable. EMD to be made valid for at least 3 months from the date of submission of bid.
120	Volume 1: Instruction to Bidders	Page No 8	1.3. Bid Data Sheet sl no 14 Pre-Bid Conference time, date, & Venue No Prebid meeting shall be held. Only Bidders allowed to submit all queries properly described with required references to GSCL which will be replied appropriately on e-procurement portal. Bidders are requested to submit Pre-Bid queries in mail-idsmartguwahati@gmail.com.	Please conduct the pre bid meeting as it may not be possible to evaluate and clarify all the queries but during the pre bid meetings,exchange of information /clarification does help the authority and bidder to understand the terms ,queries with justifications properly and smoothly which helps in having a clarity for better bidding process .The same shall also help in getting more qualified bidders against the bid /NIT .	Volume 1	Pre-bid meeting request	As per RFP
121	Volume 1: Instruction to Bidders	Page No 8	15 .Posting of responses to queries (on website) https://assamtenders.gov.in 16. Last Date and time for on line submission of Bid 13-10-2023 Up to 15.00 Hrs. 17. Last Date of Physical submission of Bid (Tender Fee, EMD, Prequalification	Kindly do away with the hard copy submission as it is not in sync with online eproc /Digital India scheme . Please do ask only online submission . Only Tender Fee and EMD should be asked in hard copies as it has been in practice for long .	Volume 1	EMD	Refer corrigendum. EMD in the prescribed BG format is acceptable. EMD to be made valid for at least 3 months from the date of submission of bid.
122	Volume 1: Instruction to Bidders	Page No 8	16. Last Date and time for on line submission of Bid 13-10-2023 Up to 15.00 Hrs. 17. Last Date of Physical submission of Bid (Tender Fee, EMD, Prequalification	Please do keep min 45 days gap between the Pre Bid Query Response Issuance /Clarification Date and Online Bid Submission Date . Hence Kindly extend the Bid Due Date Accordingly .	Volume 1	EMD	Refer corrigendum
123	Volume 1: Instruction to Bidders	Page No 17	2.7. Tender Processing Fee A non-refundable fee of Rs. 50,000/- (Rupees Fifty Thousand only) shall be made towards the cost of tender processing fee through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank.	Please allow submission of Tender Fee In DD also .	Volume 1	Tender processing fee	As per RFP and Refer Corrigendum
124	Volume 1: Instruction to Bidders	Page No 17	2.8. Earnest Money Deposit (EMD) The bid document must be accompanied by the Earnest Money Deposit of Rs. 61,070,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank. No exemption for submitting the EMD will be given to any agency. Bid security in any other form will not be entertained.	Kindly allow the bidders to submit the EMD /Bid Security in the form of Bank Guarantee which is even allowed as per Government of India Procurement Guidelines as well as Model RFP of Smart City Mission under MoHUA ,Govt of India . Hence please do share the EMD Bank Guarantee Format also	Volume 1	EMD	Refer corrigendum. EMD in the prescribed BG format is acceptable. EMD to be made valid for at least 3 months from the date of submission of bid.
125	Volume 1: Instruction to Bidders	Page No 17	The EMD may be forfeited in any of the following circumstances: a. If a bidder withdraws its bid during the period of bid validity. b. In case of a successful bidder, if the bidder fails to submit the performance bank guarantee and/or sign the contract in accordance with this RFP	Please amend to as follows : The EMD may be forfeited in any of the following circumstances: a. If a bidder withdraws its bid during the period of bid validity. b. In case of a successful bidder, if the bidder fails to submit the performance bank guarantee and/or sign the contract in accordance with this RFP even after mutually agreed terms and conditions . Justifications : It is not possible to finalise the terms and condition of contract as on the date hence the authority should give equal opportunity to all the prospective bidders by provisioning a room for negotiation and the same may be communicated or incorporated into this RFP vide <u>Corrigendum/Amendment/Addendum</u> .	Volume 1	EMD	As per RFP

126	Volume 1 : Instruction to Bidders	Page No 24	2.21. Acceptance/Rejection of Bids b) Bid should be free of over writing. All erasures, correction or addition must be clearly written both in words and figures and attested. In the event of any assumptions, presumptions, key points of discussion, recommendation or any points of similar nature submitted along with the Bid, Authority reserves the right to reject the Bid and forfeit the EMD.	Please allow the bidders to make assumptions, presumptions, key points of discussion, recommendation or any points of similar nature submitted along with the Bid for the betterment of the project . This will give flexibility to the prospective bidders to propose most technically qualified proposal .Even the RFP itself contains a disclaimer on Page No 2 of Volume 2 Scope of Work which goes on to state that this is made basis assumptions etc . The RFP has a disclaimer which also says the following "The assumptions, assessments, statements and information contained in the bid documents may not be complete, accurate, adequate or correct" !! . Therefore please allow all the prospective bidders to make assumptions presumptions basis own technical understanding for quality bid proposals .	Volume 1	EMD	As per RFP
127	Volume 1 : Instruction to Bidders	Page No 24	2.23. Disqualification ; The bid is liable to be disqualified in the following cases or in case bidder fails to meet the bidding requirements as indicated in this RFP: b. The Bidder's bid is conditional and has deviations from the terms and conditions of RFP	Please delete this point b) or modify as follows "b. The bidder's bid is conditional and has TECHNICAL deviations from the terms and conditions of RFP" <u>Note : Bidders may submits its list of Deviations which is restricted to only General Condition of Contract and Special Condition of Contract only which does not affect the technical scope and financial prices quoted .</u> . A model Contract Agreement Draft may be lifted from MIETY or MOHUA portal and included in this RFP as addendum for all the prospective bidders	Volume 1	Disqualification criteria	As per RFP
128	Volume 1 : Instruction to Bidders	Page No 34	3. Selection Process for Bidder ; 3.5 Pre-Qualification Criteria ; 3 Financial Net-Worth The Sole Bidder/ Bidder (each of consortium members in case of consortium) shall have positive net worth the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22.While the Sole/ lead bidder shall have minimum net worth of 25% of the estimated project value as mentioned in the NIT as per the last audited Financial Year i.e. for FY 2021-22. Certificate from the CA on net worth for last 3 years	Please mention financial years as 2020-21 ,2021-22 and 2022-23 as mentioned in Average Annual Turn Over clause to be in syn with each other clauses .	Volume 1	PQ Criteria	Refer corrigendum
129	Volume 1 : Instruction to Bidders	Page No 34	5 Key Certifications 1. The Sole Bidder/ Lead Bidder/ any member of consortium shall have following Certifications valid at the time of submission of bid: - ISO 9001:2008 or equivalent. - ISO 20000:2011 for IT Service Management or equivalent certification - ISO 27001:2013 for Information Security Management System or equivalent certification. 2. The Sole/ Lead Bidder/ any of the consortium member should have valid CMMI level 3 Certificate at the time of submission of bid. - Copies of the valid certificates in the name of the Bidder. At least six months validity is required from the date of submission of bids. The MSI is to ensure the quality certificates remain valid throughout the period of the contract.	<u>Please delete or remove point 2 Certifications of CMM Level 3 Certificate , as there are no software development oriented scope of services in this NIT/RFP .</u> Rather OEM should have this certification for its product and you have asked for it from OEMs hence please remove it from System Integrator's Pre Qualification and Technical Evaluation Criteria and keep it only for OEM eligibility Criteria to remove this restriction from the bidding . Whatever software are asked in the BoM are basically a standard Softwares comes in built with OEMs (Cameras,VMS ,Computing OS ,Virtualization ,Cloud (to be rendered through CSPs only) hence please keep this CMM level 3 or above criteria only for OEMs instead of SIS.	Volume 1	PQ Criteria	As per RFP
130	Volume 1 : Instruction to Bidders	Page No 35	7 Large Surveillance Project Experience The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance projects of INR 50 crore in last Ten years from the date of bidding with at least a single city surveillance/smart city/safe city project with more than 1000 cameras.	<u>We assume that this 1000 camera is not restricted to one city only. If yes then please reduce this to 400 as most of the smart cities are non metros /areas wise smaller .</u> OR please redraft it as follows " <u>The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance projects of INR 50 crore in last Ten years from the date of bidding with at least a single city OR single State surveillance/smart city/safe city project with more than 1000 cameras .</u> OR " please amend to as follows : <u>The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance projects of INR 50 crore in last Ten years from the date of bidding with more than 1000 cameras spread across the state /city /single project . This project must preferably be belonging to Smart City/Safe City/Single City Surveillance /State Surveillance.</u>	Volume 1	PQ Criteria	As per RFP
131	Volume 1 : Instruction to Bidders	Page No 45	4. Award of Contract 4.2. Signing of Contract After the notification of award, Authority will issue Work Order (WO)/Letter of Intent (LOI). Accordingly, a contract shall be signed between successful bidder and Authority or the agency designated by Authority. As an acceptance of the WO/LOI, the Bidder shall sign and return back a duplicate copy of the Work Order to Authority or the agency designated by the Authority. The bidder shall return the duplicate copy along with a Performance Bank Guarantee within 15 working days from the date of issuance of WO/LOI. On receipt of the Performance Bank Guarantee, Authority or the agency designated by Authority shall enter into a contract with the successful bidder. The Master Service Agreement is provided	Please ask for PBG only against the MSA Signing or Draft MSA mutually agreed between either parties (GSCL and Bidders) . Hope you would understand that it is MSA /Contract which confirms the project initiation and basis this signed MSA only ,bidders organisation 's finance /management approves issuance of PBG through bank . Also request to allow submission of PBG through Nationalised /Scheduled Bank also . As per RBI there are Scheduled Banks also who can issue PBG in accordance with nationalised bank . Kindly remove this restrictive clause " issued from Nationalised Bank" .	Volume 1	PBG	As per RFP

132	Volume 1 : Instruction to Bidders and Volume 3 Master Service Agreement	Page No 45 of Volume 1 & Page No 22 of Volume 3	<p>4.3. Performance Bank Guarantee (PBG) Within fifteen (15) working days from the date of issuance of LOI, the successful Bidder shall at his own expense submit unconditional and irrevocable Performance Bank Guarantee (PBG) to the Authority. The PBG shall be from a Nationalized Bank having branch at Guwahati in the format prescribed in Section 8 - Annexure 4, payable on demand, for the due performance and fulfillment of the contract by the bidder. This Performance Bank Guarantee shall be for an amount equivalent to 10% of total contract value. PBG shall be invoked by Authority, in the event the Bidder: AND A. SPECIAL CONDITIONS OF CONTRACT (SCC)</p> <p>27. Performance Security SI shall furnish Performance Security to the Authority at the time of signing the Contract which shall be equal to 10% of the value of the Contract and shall be in the form of a Bank Guarantee/Account Payee Demand Draft/Fixed Deposit Receipt from a Nationalized commercial Bank having branch at Guwahati in the Proforma given in Annexure 5 (a) RFP volume I within 15 days after issuance of letter of intent (LOI) or Letter of Award (LOA) which would be valid up to a period of six months (6) after the contract completion</p>	<p>As requested above please ask for PBG within 15 days from the date of MSA /Contract Signing to be issued from Nationalised /Scheduled Bank in India . We also further request to allow the PBG submission on yearly basis or allow PBG extension /renewal on the proportionate value of the contract as applicable on the date of PBG Renewal/Extension . Initiall the bidders should be asked to submit PBG for 10% of TCV with a validity of 12 months and then subsequently at the start of subsequent years the PBG value should be equivalent to the proportionate value of the contrac for the balance service period . Department of Expenditure under Minsity of Finance Government of India has already issued a circular to this effect which is hereby may be found /downloaded from https://doe.gov.in/sites/default/files/Proportionality%20in%20Performance%20Security%20for%20multiyear%20service%20contracts.pdf</p>	Volume 1	PBG	Refer corrigendum
133	Volume 1 : Instruction to Bidders	Page No 47	<p>4.5. Failure to agree with the Terms & Conditions of the RFP Failure of the successful bidder to agree with the Terms & Conditions of the RFP shall constitute sufficient grounds for the annulment of the award, in which event Authority may award the contract to the next best value bidder or call for new bids. In such a case, Authority shall invoke the PBG and/or forfeit the EMD.</p>	<p>Kindly amend to as follows "4.5. Failure to agree with the MUTUALLY AGREED Terms & Conditions of the RFP by the Successful Bidder , Failure of the successful bidder to agree with the the MUTUALLY AGREED Terms & Conditions of the RFP shall constitute sufficient grounds for the annulment of the award, in which event Authority may award the contract to the next best value bidder or call for new bids.In such a case, Authority shall invoke the PBG and/or forfeit the EMD.</p>	Volume 1	EMD	As per RFP
134	Volume 1	Page no. 9 And Page No 15	<p>12 Consortium A consortium consists of multiple members (not more than Three parties - Lead Bidder + maximum 1 Consortium member) entering into a Consortium Agreement for a common objective of satisfying the Authority requirements & represented by lead member of the consortium, designated as a "Lead Bidder".</p> <p>2.2. Eligible Bidders b. Consortium of Firms Bids can be submitted by a consortium of firms. A consortium should not consist of more than two</p>	<p>It seems to have the contradicting Clause Please confirm the total 3 members in the consortium is allowed (not more than Three parties - Lead Bidder + maximum 2 Consortium member)</p>	Volume 1	Consortium	Lead Bidder + maximum 1 Consortium member allowed
135	Volume 1	page No. 17	<p>2.8. Earnest Money Deposit (EMD) The bid document must be accompanied by the Earnest Money Deposit of Rs. 61,070,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment</p>	<p>We request you to knly accept the Earnest money in form of Bank Guarantee as this is the general practice followed in all ICT Projects</p>	Volume 1	EMD	Refer corrigendum. EMD in the prescribed BG format is acceptable. EMD to be made valid for at least 3 months from the date of submission of bid.
136	Volume 1	Page No 30	<p>2.29. Eligible Goods and Services, and OEM Criteria x) The Sole/ Lead Bidder/ (any member in case of a consortium) shall have experience of executing projects of a) Cyber Security and b) ICCS Platform of not less than INR 3 Crores each as part of smart city/safe city/city surveillance/ large infra project. Experience of named implementing agency empaneled by Sole/ Lead Bidder/ (any member in case of a consortium) and authorized by relevant OEM is acceptable in lieu of direct credential. Documentary evidence in the form of Purchase Order copy along with proof of payment against supply to be submitted from Central Govt./State Govt./PSU customer.</p>	<p>The current request may inadvertently solicit bidder credentials, which may not be pertinent in this context. Request you to please dissolve the clause</p>	Volume 1	Eligible Goods and Services, and OEM Criteria	As per RFP
137	Volume 1	Page No. 34	<p>3.5 Pre-Qualification Criteria 2 Company Financial profile 1. The Sole Bidder/ Bidder (each of consortium members in case of consortium) shall be in operations for a period of at least Ten (10) years prior to the date of bid submission 2. The Sole Bidder/ Bidder (each of consortium members in case of consortium) should be a company registered in India for a period of at least Ten (10) years prior to the date of bid submission. 3. The Sole Bidder/ Bidder (each of consortium members in case of consortium) should be in same line of business as defined by specific business area for at least 5 years.</p>	<p>As the Lead bidder bears the maximum responsibility and liability within the scope, we kindly request that you modify the clause as follows 1. The Sole Bidder/ Bidder (Lead member of consortium members in case of consortium) shall be in operations for a period of at least Ten (10) years prior to the date of bid submission 2. The Sole Bidder/ Bidder ((Lead member of consortium members in case of consortium) should be a company registered in India for a period of at least Ten (10) years prior to the date of bid submission. 3. The Sole Bidder/ Bidder (Lead member of consortium members in case of consortium) should be in same line of business as defined by specific business area for at least 5 years.</p>	Volume 1	PQ Criteria	Refer corrigendum

138	Volume 1	Page No. 34	<p>3.5 Pre-Qualification Criteria</p> <p>2 Company Financial profile</p> <p>The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 500 Crores over the last three (3) Financial Years i.e. for FY 2020-21, 2021-22, 2022-23. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 3 financial years, i.e. 2020-21, 2021-22, 2022-23= 50Cr from specific business areas. In case of sole bidder 100% turnover to be from sole bidder.</p>	<p>The CVC (Central Vigilance Commission) guidelines pertaining to turnover requirements in the tender process specify that bidders must meet certain financial turnover criteria to be eligible to participate. These guidelines typically require bidders, whether they are individual entities or part of a consortium, to demonstrate a minimum average annual turnover over a specified period, often the last three financial years. Additionally, there may be requirements for a certain percentage of the turnover to be attributed to the lead bidder in the case of a consortium. Thus we request you to please change the clause to :</p> <p>The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 160 Crores over the last three (3) Financial Years i.e. for FY 2020-21, 2021-22, 2022-23. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 3 financial years, i.e. 2020-21, 2021-22, 2022-23= 20 Cr from specific business areas. In case of sole bidder 100% turnover to be from sole bidder.</p>	Volume 1	PQ Criteria	Refer corrigendum
139	Volume 1	Page No. 34	<p>5 Key Certifications</p> <p>Copies of the valid certificates in the name of the Bidder. At least six months validity is required from the date of submission of bids. The MSI is to ensure the quality certificates remain valid throughout the period of the contract.</p>	<p>Since the bid submission date may be subject to changes through corrigendum updates, constantly updating these certificates can impose additional costs on the organization. Therefore, in line with the common practice observed in ICT Projects, we kindly request that this clause be waived, and the validity of these certificates be extended until the bid submission date.</p>	Volume 1	PQ Criteria	Refer corrigendum
140	Volume 1	Page No. 35.	<p>7 Large Surveillance Project Experience</p> <p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance projects of INR 50 crore in last Ten years from the date of bidding with at least a single city surveillance/smart city/safe city project with more than 1000 cameras.</p>	<p>The suggested revision to the experience clause not only encourages wider participation but also ensures that bidders possess relevant expertise in contemporary surveillance projects, including those with significant societal implications. Thus we request you to please change the clause to :</p> <p>Experience The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance projects of INR 50 crore in last Ten years from the date of bidding with at least a single city surveillance/smart city/safe city project with more than 1000 500 cameras.</p>	Volume 1	PQ Criteria	As per RFP
141	Volume 1	Page No. 36	<p>9 Others Smart Solutions Based Project Experience</p> <p>The Sole/ Lead Bidder/ (any member in case of a consortium) shall have experience of any of the Three (3) solutions during the last Ten (10) years (excluding civil work) from the date of bid submission from the mentioned areas:</p> <ol style="list-style-type: none"> 1) GIS 2) Variable Messaging Display 3) Environmental Sensor 4) PA System/Sound System <p>The minimum value of the above-mentioned solutions in the project should be INR 50 lacs</p>	<p>In light of the diverse nature of the project, which encompasses multiple facets and considerations, we respectfully propose the inclusion of the following components. This addition is intended to foster a greater level of participation and engagement among potential stakeholders or participants in the project</p> <p>The Sole/ Lead Bidder/ (any member in case of a consortium) shall have experience of any of the Three (3) solutions during the last Ten (10) years (excluding civil work) from the date of bid submission from the mentioned areas:</p> <ol style="list-style-type: none"> 1) GIS 2) Variable Messaging Display 3) Environmental Sensor 4) PA System/Sound System 5) ECB SYSTEM 6) Surveillance System 7) ANPR System 8) RLDV/ SVD System 9) Echallan System <p>The minimum value of the above-mentioned solutions in the project should be INR 50 lacs</p>	Volume 1	PQ Criteria	Refer corrigendum
142	Volume 1	Page No. 38	<p>3.6 Technical Evaluation Criteria</p> <p>1 Annual Turnover</p> <p>Average annual turnover from Specific Business Areas as mentioned below for The Sole Bidder/ Bidders (All consortium members put together in case of consortium) over the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22.</p> <p>Out Of total value of turnover; 50% at least to be from lead bidder. Annual average turnover from specific business areas of any consortium member in INR equivalent during the last 3 financial years, i.e. 2019-2020, 2020-2021 & 2021-2022 should be minimum 50Cr. In case of sole bidder 100% turnover to be from sole bidder. Marks shall be allotted as given below:</p> <ol style="list-style-type: none"> 1. >INR 600 Cr.= 15 marks 2. >INR 550cr. to 600 Cr.= 10 marks 3. =INR 500cr.to 550 Cr.= 05 marks 	<p>The CVC (Central Vigilance Commission) guidelines pertaining to turnover requirements in the tender process specify that bidders must meet certain financial turnover criteria to be eligible to participate. These guidelines typically require bidders, whether they are individual entities or part of a consortium, to demonstrate a minimum average annual turnover over a specified period, often the last three financial years. Additionally, there may be requirements for a certain percentage of the turnover to be attributed to the lead bidder in the case of a consortium. Thus we request you to please change the clause to :</p> <p>Average annual turnover from Specific Business Areas as mentioned below for The Sole Bidder/ Bidders (All consortium members put together in case of consortium) over the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22.</p> <p>Out Of total value of turnover; 50% at least to be from lead bidder. Annual average turnover from specific business areas of any consortium member in INR equivalent during the last 3 financial years, i.e. 2019-2020, 2020-2021 & 2021-2022 should be minimum 20Cr. In case of sole bidder 100% turnover to be from sole bidder. Marks shall be allotted as given below:</p> <ol style="list-style-type: none"> 1. >INR 180 Cr.= 15 marks 2. >INR 150cr. to 180 Cr.= 10 marks 3. =INR 100cr.to 150 Cr.= 05 marks 	Volume 1	TQ evaluation criteria	Refer corrigendum
143	Volume 1	Page No. 38	<p>3.6 Technical Evaluation Criteria</p> <p>2 Certifications</p> <p>Copies of the valid certificates in the name of the Bidder. At least six months validity is required from the date of submission of bids. The MSI is to ensure the quality certificates remain valid throughout the period of the contract.</p>	<p>Since the bid submission date may be subject to changes through corrigendum updates, constantly updating these certificates can impose additional costs on the organization. Therefore, in line with the common practice observed in ICT Projects, we kindly request that this clause be waived, and the validity of these certificates be extended until the bid submission date.</p>	Volume 1	TQ evaluation criteria	Refer corrigendum

144	Volume 1	Page No. 39	<p>4 ICT Components</p> <p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have experience of any of the Three (3) solution in last Ten years (excluding civil work) from the mentioned areas:</p> <ol style="list-style-type: none"> 1) Cyber Security System 2) GIS 3) Variable Messaging Display 4) Environmental Sensor 5) PA System/Sound System <p>Cumulative Value of the abovementioned solutions in the projects selected:</p> <ol style="list-style-type: none"> 1) >INR 250 Lacs = 10 marks 2) >INR 200 Lacs to 250 Lacs= 8.5 marks 3) =INR 150 Lacs to 200 Lacs= 7 Marks 	<p>In light of the diverse nature of the project, which encompasses multiple facets and considerations, we respectfully propose the inclusion of the following components. This addition is intended to foster a greater level of participation and engagement among potential stakeholders or participants in the project</p> <p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have experience of any of the Three (3) solution in last Ten years (excluding civil work) from the mentioned areas:</p> <ol style="list-style-type: none"> 1) Cyber Security System 2) GIS 3) Variable Messaging Display 4) Environmental Sensor 5) PA System/Sound System 6) ECB SYSTEM 7) Surveillance System 8) ANPR System 9) RLV/ SVD System 10) Echallan System <p>Cumulative Value of the abovementioned solutions in the projects selected:</p> <ol style="list-style-type: none"> 1) >INR 250 Lacs = 10 marks 2) >INR 200 Lacs to 250 Lacs= 8.5marks 3) =INR 150 Lacs to 200 Lacs= 7 Marks 	Volume 1	TQ evaluation criteria	Refer corrigendum
145	Volume 1	Page No. 40	<p>6 Proposed Resources</p> <p>B. Solution Architect: 2 marks</p> <p>i. Min Educational Qualification: Bachelor's Degree in Engineering/MCA or equivalent</p> <p>ii. Min Work experience in the capacity of Solution Architect in ICT implementation Projects: 7 years</p> <p>a. Certification:</p> <p>Relevant certification in Solution Architecture/ framework e.g TOGAF or equivalent-0.5 mark</p> <p>b. Work experience as IT/ICT solution architect</p> <ol style="list-style-type: none"> i. > 7 years of relevant experience):0.5 mark ii. > 8 years of relevant experience): 1 mark iii. > 10 years of relevant experience):1.5 mark 	<p>To balance the need for bidder qualifications with a more realistic and inclusive approach, ensuring that qualified companies with diverse expertise are eligible to participate in the bidding process request you to change the clause as under.</p> <p>B. Solution Architect: 2 marks</p> <p>i. Min Educational Qualification: Bachelor's Degree in Engineering/MCA or equivalent</p> <p>ii. Min Work experience in the capacity of Solution Architect in ICT implementation Projects: 7 years</p> <p>a. Certification:</p> <p>Relevant certification in Solution Architecture/ framework e.g TOGAF or equivalent-0.5 mark</p> <p>b. Work experience as IT/ICT solution architect</p> <ol style="list-style-type: none"> i. > 7 years of relevant experience):1 mark ii. > 8 years of relevant experience): 1.5 mark iii. > 10 years of relevant experience):2 mark 	Volume 1	TQ evaluation criteria	Refer corrigendum
146	Volume 1		<p>C. System Admin: 1 marks</p> <p>i. Min Educational Qualification: Bachelor's Degree in Engineering/MCA or equivalent</p> <p>ii. Min 5 year of Work experience in the capacity of System admin in ICT implementation Projects</p> <p>a. Certification: Any professional certification that relates to MCSE/Linux/ RHCE or equivalent-0.5 mark</p> <p>Work experience in the capacity of System admin in ICT implementation Projects</p> <p>> 5 years of relevant experience-0.5 mark</p>	<p>To balance the need for bidder qualifications with a more realistic and inclusive approach, ensuring that qualified companies with diverse expertise are eligible to participate in the bidding process request you to change the clause as under.</p> <p>C. System Admin: 1 marks</p> <p>i. Min Educational Qualification: Bachelor's Degree in Engineering/MCA or equivalent</p> <p>ii. Min 5 year of Work experience in the capacity of System admin in ICT implementation Projects</p> <p>a. Certification: Any professional certification that relates to MCSE/Linux/ RHCE or equivalent-0.5 mark</p> <p>Work experience in the capacity of System admin in ICT implementation Projects</p> <p>> 5 years of relevant experience-1 mark</p>	Volume 1	TQ evaluation criteria	As per RFP
147	Volume 1	Page no 42	<p>D. Network Expert: 1 mark</p> <p>i. Min Educational Qualification: Bachelor's Degree in Engineering/MCA or equivalent</p> <p>ii. Min 5 years of work experience as network expert for IT/ICT Project</p> <p>a. Certification: Relevant certification preferably CCNA / CCNP/ or equivalent. -0.5 marks</p> <p>b. Work experience as network expert for IT/ICT Projects</p> <p>i. > 5 years of relevant experience)-0.5 mark</p>	<p>To balance the need for bidder qualifications with a more realistic and inclusive approach, ensuring that qualified companies with diverse expertise are eligible to participate in the bidding process request you to change the clause as under.</p> <p>D. Network Expert: 1 mark</p> <p>i. Min Educational Qualification: Bachelor's Degree in Engineering/MCA or equivalent</p> <p>ii. Min 5 years of work experience as network expert for IT/ICT Project</p> <p>a. Certification: Relevant certification preferably CCNA / CCNP/ or equivalent. -0.5 marks</p> <p>b. Work experience as network expert for IT/ICT Projects</p> <p>i. > 5 years of relevant experience)-0.1 mark</p>	Volume 1	TQ evaluation criteria	As per RFP
148	Volume 1	Page no 42	<p>E. Database Expert: 1 mark</p> <p>i. Min Educational Qualification: Bachelor's Degree in Engineering/MCA or equivalent</p> <p>ii. Min 5 years of Work experience as Data base administrator/ Manager</p> <p>a. Certification: Relevant certification in Database architecture and management, preferably MCSE (Database platform)/ MySQL 5.6/ MTA DB/ or equivalent-0.5 mark</p> <p>Work experience as Data base administrator/ Manager</p> <p>> 5 years of relevant experience-0.5 mark</p>	<p>To balance the need for bidder qualifications with a more realistic and inclusive approach, ensuring that qualified companies with diverse expertise are eligible to participate in the bidding process request you to change the clause as under.E. Database Expert: 1 mark</p> <p>i. Min Educational Qualification: Bachelor's Degree in Engineering/MCA or equivalent</p> <p>ii. Min 5 years of Work experience as Data base administrator/ Manager</p> <p>a. Certification: Relevant certification in Database architecture and management, preferably MCSE (Database platform)/ MySQL 5.6/ MTA DB/ or equivalent-0.5 mark</p> <p>Work experience as Data base administrator/ Manager</p> <p>> 5 years of relevant experience-0.1 mark</p>	Volume 1	TQ evaluation criteria	As per RFP

149	Volume 1	Page no 42	<p>G. Security Expert: 1 mark</p> <p>i. Min Educational Qualification: Bachelor's Degree in Engineering/MCA or equivalent</p> <p>ii. Min 5 years of Work experience as IT Security expert</p> <p>a. Certification: Relevant certification in IT security/CISM/ CISSP/CCNP or equivalent-0.5 mark</p> <p>Work experience as IT Security expert i. > 5 years of relevant experience)- 0.5 mark</p>	<p>To balance the need for bidder qualifications with a more realistic and inclusive approach, ensuring that qualified companies with diverse expertise are eligible to participate in the bidding process request you to change the clause as under.</p> <p>G. Security Expert: 1 mark</p> <p>i. Min Educational Qualification: Bachelor's Degree in Engineering/MCA or equivalent</p> <p>ii. Min 5 years of Work experience as IT Security expert</p> <p>a. Certification: Relevant certification in IT security/CISM/ CISSP/CCNP or equivalent-0.5 mark</p> <p>Work experience as IT Security expert i. > 5 years of relevant experience)- 0.1 mark</p>	Volume 1	TQ evaluation criteria	As per RFP
150	Volume 1	Page no 45	<p>4.3. Performance Bank Guarantee (PBG)</p> <p>Within fifteen (15) working days from the date of issuance of LOI, the successful Bidder shall at his own expense submit unconditional and irrevocable Performance Bank Guarantee (PBG) to the Authority. The PBG shall be from a Nationalized Bank having branch at Guwahati in the format prescribed in Section 8 - Annexure 4, payable on demand, for the due performance and fulfillment of the contract by the bidder. This Performance Bank Guarantee shall be for an amount equivalent to 10% of total contract value. <u>PBG shall be invoked by Authority, in the event the Bidder:</u></p>	<p>As per the Latest DIPP Guideline Vide Order no F.9/4/2020/- PPD Dated- 12November2020 of Procurement Policy Division, Department of Expenditure, Ministry of Finance for Performance Security the PBG limit has been reduced from 10% to 3% . Hence requesting you to kindly reduce the PBG amount to 3% in this BID.</p>	Volume 1	PBG	Refer corrigendum
151	Volume 2	Page No 33	<p>4.6 Site Clearance obligations and other relevant permissions</p> <p>Prior to starting the site clearance, the SI shall carry out survey of field locations as specified in this RFP, for buildings, structures, fences, trees, existing installations, etc. The authority shall be fully informed of the results of the survey and the amount and extent of the demolition and site clearance shall then be agreed with the authority. The Authority shall facilitate SI to take all requisite approvals and take necessary clearances for activities like Right of Way (ROW) etc.</p>	<p>Request you to please keep RI/ROW Permission in end customer's scope. This would help in avoiding delays which mostly comes when outdoor work is involved and the permission lies with a stakeholder other than the end customer.</p>	Volume 1	Site Clearance obligations and other relevant permissions	ROW not to be costed by Bidder. RI is in Bidder's scope. SI to provide Liasoning as required.
152			<p>General</p>	<p>Timely completion of the project is the essence of the Contract. Department will provide all necessary clearances & approval in one go. In case of any delay not attributable to MSI, Partial Go Live & Payments shall be paid on pro-rata basis</p>	Volume 1	General	As per RFP
153	Volume 1 2.29. Eligible Goods and Services, and OEM Criteria	29	<p>The proposed OEM of Camera, Network Switches, Storage, Server, Workstations and Network Racks should have installed base of at least 20% of the quoted product series in terms of volume in a single project.</p>	<p>Request to amend below as it may favour to specific OEM who has the quoted product series experience installed base. To make a fair competition between other CCTV OEM's below clause required to modify <u>The proposed OEM of Camera, Network Switches, Storage, Server, Workstations and Network Racks should have supplied base of at least 20% of the product in terms of volume in a single project.</u></p>	Volume 1	Eligible Goods and Services, and OEM Criteria	Please read the clause as: The proposed OEM of Camera, Network Switches, Storage, Server, Workstations and Network Racks should have supplied at least 20% of the quoted product series in terms of volume in a single project.
154	Volume 1 2.29. Eligible Goods and Services, and OEM Criteria	29	<p>CCTV OEM should be active company and should have direct presence in India from last ten years (not as joint venture, partnership firms or through any other association) & manufacturing in India since last Five years (not as joint venture, partnership firms or through any other association) (3rd Party Manufacturing not allowed) and Foreign CCTV OEM should have manufacturing unit globally from last 10 Years at the time of bidding. Documentary evidence should be submitted.</p>	<p>Request amend of this clause as below for Make in India manufacturers under DIPP. <u>CCTV OEM should be active company and should have direct presence in India (not as joint venture, partnership firms or through any other association) & manufacturing in India (not as joint venture, partnership firms or through any other association) (3rd Party Manufacturing not allowed). In case of Foreign CCTV OEM should have manufacturing unit globally from last 10 Years at the time of bidding. Documentary evidence should be submitted.</u></p>	Volume 1	Eligible Goods and Services, and OEM Criteria	As per RFP
155	Volume 1: Instruction to Bidders 2. INSTRUCTION TO BIDDERS 2.29. Eligible Goods and Services, and OEM Criteria	29	<p>j. To ensure openness will approximately all camera OEMs, the VMS OEM must have integrated 10000+ camera device at SDK/API level. Documentary evidence need to be submitted.</p>	<p>This clause is favouring few OEMs, you should ask confirmaton from VMS vendor on their letterhead, wherther its 100 or 10000 cameras in any case integration should be there. All the more today all cameras are ONVIF compliant and integration happens on ONVIF Request you to please remove / modify the caluse</p>	Volume 1	Eligible Goods and Services, and OEM Criteria	As per RFP
156	Volume 1 2.29. Eligible Goods and Services, and OEM Criteria	30	<p>The bidder's proposed OEM should not have been blacklisted by any Union Territory/ Central / State Government Department or Central/State Public Sector Units (PSUs) or Smart City in India or Globally as on bid submission date. Undertaking from OEM needs to be submitted along with the bid documents</p>	<p>Request modify the below clause removal of Globally word as the said proejct is from India Region. The bidder's proposed OEM should not have been blacklisted by any Union Territory/ Central / State Government Department or Central/State Public Sector Units (PSUs) or Smart City in India as on bid submission date. Undertaking from OEM needs to be submitted along with the bid documents.</p>	Volume 1	PQ Criteria	As per RFP

157	Volume 1: Instruction to Bidders, 1.3. Bid Data Sheet	Point 12, Bid Security/Earnest Money Deposit (EMD), Page 8	INR 6,10,70,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) online deposit through e Procurement portal(3% of ETA)	It is requested that a Bank Guarantee be allowed instead of an online deposit for the EMD value.	Volume 1	EMD	Refer corrigendum. EMD in the prescribed BG format is acceptable. EMD to be made valid for at least 3 months from the date of submission of bid.
158	Volume 1: Instruction to Bidders, 2. Instruction to Bidders	2.1. General, Point f, Page 14	f. Bidder shall submit the Line of Credit for the amount of 10% of estimated value of the tender as per the format given in Annexure 9.	It is requested that this clause to be deleted from the bidding document	Volume 1	General-ITB	As per RFP
159	Volume 1: Instruction to Bidders, 3.6 Technical Evaluation Criteria	4.3. Performance Bank Guarantee (PBG), Page 45	4.3. Performance Bank Guarantee (PBG) Within fifteen (15) working days from the date of issuance of LOI, the successful Bidder shall at his own expense submit unconditional and irrevocable Performance Bank Guarantee (PBG) to the Authority. The PBG shall be from a Nationalized Bank having branch at Guwahati in the format prescribed in Section 8 - Annexure 4, payable on demand, for the due performance and fulfillment	Request for 10% Advance/Mobilization Fee against the PBG submission since it requires good amount of resource to be ramp up and procured right from the day-1. First Payment Milestone will be due after 02nd month depending of Design/Survey/Finalized BoQ approval.	Volume 1	PBG	As per RFP
160	Volume 1 2.29. Eligible Goods and Services, and OEM Criteria		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 RFP	Request to amend the clause as below as it may restrict Make in India manufacturers with direct manufacturing capacity to participate <u>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 GO LIVE.</u>	Volume 1	Eligible Goods and Services, and OEM Criteria	As per RFP
161	Volume 1 2.29. Eligible Goods and Services, and OEM Criteria		The proposed OEM of Camera, Network Switches, Storage, Server, Workstations and Network Racks should have installed base of at least 20% of the quoted product series in terms of volume in a single project.	Request to amend below as it may favour to specific OEM who has the quoted product series experience installed base. To make a fair competition between other CCTV OEM's below clause required to modify <u>The proposed OEM of Camera, Network Switches, Storage, Server, Workstations and Network Racks should have supplied base of at least 20% of the product in terms of volume in a single project.</u>	Volume 1	Eligible Goods and Services, and OEM Criteria	Please read the clause as: The proposed OEM of Camera, Network Switches, Storage, Server, Workstations and Network Racks should have supplied at least 20% of the quoted product series in terms of volume in a single project.
162	Volume 1 2.29. Eligible Goods and Services, and OEM Criteria		CCTV OEM should be active company and should have direct presence in India from last ten years (not as joint venture, partnership firms or through any other association) & manufacturing in India since last Five years (not as joint venture, partnership firms or through any other association) (3rd Party Manufacturing not allowed) and Foreign CCTV OEM should have manufacturing unit globally from last 10 Years at the time of bidding. Documentary evidence should be submitted.	Request amend of this clause as below for Make in India manufacturers under DIPP. <u>CCTV OEM should be active company and should have direct presence in India (not as joint venture, partnership firms or through any other association) & manufacturing in India (not as joint venture, partnership firms or through any other association) (3rd Party Manufacturing not allowed). Increase of Foreign CCTV OEM should have manufacturing unit globally from last 10 Years at the time of bidding. Documentary evidence should be submitted.</u>	Volume 1	Eligible Goods and Services, and OEM Criteria	As per RFP
163	Volume 1 2.29. Eligible Goods and Services, and OEM Criteria		The bidder's proposed OEM should not have been blacklisted by any Union Territory/ Central / State Government Department or Central/State Public Sector Units (PSUs) or Smart City in India or Globally as on bid submission date. Undertaking from OEM needs to be submitted along with the bid documents	Request modify the below clause removal of Globally word as the said project is from India Region. The bidder's proposed OEM should not have been blacklisted by any Union Territory/ Central / State Government Department or Central/State Public Sector Units (PSUs) or Smart City in India as on bid submission date. Undertaking from OEM needs to be submitted along with the bid documents.	Volume 1	Eligible Goods and Services, and OEM Criteria	As per RFP
164	Volume 1- 3.5 Pre-Qualification Criteria, Sr. No. 5, Key Certifications, Required documents evidence and Volume 1-, 3.6 Technical Evaluation Criteria, 2 Certificates, Required Documentary Evidence	34	Required Documentary Evidence: Copies of the valid certificates in the name of the Bidder. At least six months validity is required from the date of submission of bids. The MSI is to ensure the quality certificates remain valid throughout the period of the contract.	Requesting to include 'note section' mentioned below in Required Documentary Evidence if required certificates are in renewal process as "Required Documentary Evidence: Copies of the valid certificates in the name of the Bidder. At least six months validity is required from the date of submission of bids. The MSI is to ensure the quality certificates remain valid throughout the period of the contract. Note: If any Certificates are under Renewal then bidder must have valid certificate in last one year is acceptable with the condition that they have applied for renewal of the certificate. Proof of last year valid certificate and renewal request to be submitted along with the Screenshot of the Appraisal Status on the respective portal"	Volume 1	PQ Criteria	Refer corrigendum

165	Volume 1- 3.5 Pre- Qualification Criteria, Sr. No. 7, Large Surveillance Project Experience	35	The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance projects of INR 50 crore in last Ten years from the date of bidding with at least a single city surveillance/smart city/safe city project with more than 1000 cameras.	Request to consider the modification for this clause to make bid competitive and wider participation as "The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance projects/any IP CCTV surveillance projects of INR 50 crore in last Ten years from the date of bidding with at least a single city surveillance/smart city/safe city/any ICT surveillance project with any government with more than 1000 cameras."	Volume 1	PQ Criteria	As per RFP
166	Volume 1- 2.8. Earnest Money Deposit (EMD)	17	The bid document must be accompanied by the Earnest Money Deposit of Rs. 61,070,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank.	Current EMD amount restricting most of the well experienced bidder to participate in this opportunity. Requesting to relax the EMD amount to 1% of project value to make wider participation in this bid as "The bid document must be accompanied by the Earnest Money Deposit of Rs. 20,356,840/- (INR. Two Crore, Three Lakhs Fifty Six Thousand Eight Hundred Forty only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank.	Volume 1	EMD	Refer corrigendum. EMD in the prescribed BG format is acceptable. EMD to be made valid for at least 3 months from the date of submission of bid.
167	Volume 1- 4.3. Performance Bank Guarantee (PBG)	45	Performance Bank Guarantee shall be for an amount equivalent to 10% of total contract value. (2.8. Earnest Money Deposit (EMD))	Requesting to relax the PBG amount to 3% of Project value for wider participation of bidder in this opportunity.	Volume 1	PBG	Refer corrigendum
168	Volume 1	17 of 96	The bid document must be accompanied by the Earnest Money Deposit of Rs. 61,070,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank. No exemption for submitting the EMD will be given to any agency. Bid (2.8. Earnest Money Deposit (EMD))	Request you to kindly amend the clause as below: The bid document must be accompanied by the Earnest Money Deposit of Rs. 61,070,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank or in the form of Bank Guarantee from a nationalized or scheduled bank in India with validity of 180 days from the date of Bid Submission.	Volume 1	EMD	Refer corrigendum. EMD in the prescribed BG format is acceptable. EMD to be made valid for at least 3 months from the date of submission of bid.
169	Volume 1	17 of 96	The bid document must be accompanied by the Earnest Money Deposit of Rs. 61,070,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank. (2.7. Tender Processing Fee)	Request you to kindly provide Bank Guarantee Format.	Volume 1	EMD	Refer corrigendum. EMD in the prescribed BG format is acceptable. EMD to be made valid for at least 3 months from the date of submission of bid.
170	Volume 1	17 of 96	A non-refundable fee of Rs. 50,000/- (Rupees Fifty Thousand only) shall be made towards the cost of tender processing fee through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank.	Request you to kindly provide Bank Details for NEFT/RTGS payment.	Volume 1	Tender processing fee	Refer corrigendum
171	Volume-1	7 of 96	1.3. Bid Data Sheet Last Date of Physical submission of Bid (Tender Fee, EMD, Prequalification bid, Technical Bid) in Hard Copy	We request you to kindly amend the clause as below: Last Date of Physical submission of Bid (Tender Fee, EMD, Prequalification bid, Technical Bid) in Hard Copy. We request you to kindly not insist for the Hard Copy of Prequalification bid, Technical Bid.	Volume 1	EMD	As per RFP
172	Volume-1	52 of 96	Pre-Qualification Bid Covering Letter We hereby declare that: a. We hereby acknowledge and unconditionally accept that the Authority can at its absolute discretion apply whatever criteria it deems appropriate, not just limiting to those criteria set out in the RFP and related documents, in short listing of Agency for providing services.	Request you to kindly amend the clause as below: We hereby declare that: a. We hereby acknowledge and unconditionally accept that the Authority can at its absolute discretion apply whatever criteria it deems appropriate, not just limiting to those criteria set out in the RFP and related documents, in short listing of Agency for providing services.	Volume 1	PQ Criteria	As per RFP
173	Volume-1	35 of 96 & 38 of 96	3.5 Pre-Qualification Criteria & Technical Evaluation Criteria The sole Bidder/any Member of Consortium/Sub- Contractor(s): Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order. Completion Certificate issued & signed by the authorized signatory of the client entity on the entity's Letterhead In case of large orders/orders with operations & maintenance phase, the completion may specify successful execution of mentioned components and in operation status of a part of the order meeting the requirement through a Self- declaration from authorized signatory. TENDER COMMITTEE reserves the rights to contact & verify with the competent authority for the specified Work Orders/Work completion.	Request you to kindly amend the clause as below: The sole Bidder/any Member of Consortium/ Sub- Contractor(s) : Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order. Go-Live Certificate / Completion Certificate issued & signed by the authorized signatory of the client entity on the entity's Letterhead In case of large orders/orders with operations & maintenance phase, the completion may specify successful execution of mentioned components and in operation status of a part of the order meeting the requirement through a Self- declaration from authorized signatory. TENDER COMMITTEE reserves the rights to contact & verify with the competent authority for the specified Work Orders/Work completion/Go-Live Certificate.	Volume 1	PQ Criteria	Go Live Certificate / Completion Certificate is acceptable.

174	Volume 1	34 of 96	(3.5 Pre-Qualification Criteria) - Company Financial Profile The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 500 Crores over the last three (3) Financial Years i.e. for FY 2020-21, 2021-22, 2022-23. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 3 financial years, i.e. 2020-21, 2021-22, 2022-23= 50Cr from specific business areas. In case of sole bidder 100% turnover to be from sole bidder.	Request you to kindly amend the clause as below: <u>Company Financial profile:</u> The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 500 750 Crores over the last three (3) Financial Years i.e. for FY 2020-21, 2021-22, 2022-23. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 3 financial years, i.e. 2020-21, 2021-22, 2022-23= 50Cr 375 Cr. from specific business areas. In case of sole bidder 100% turnover to be from sole bidder.	Volume 1	PQ Criteria	Refer corrigendum
175	Volume 1	35 of 96	(3.5 Pre-Qualification Criteria) - Large Surveillance Project Experience The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance projects of INR 50 crore in last Ten years from the date of bidding with at least a single city surveillance/smart city/safe city project with more than 1000 cameras.	Request you to kindly amend the clause as below: <u>Large Surveillance Project Experience:</u> The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully completed outdoor IP Camera based surveillance projects of INR 50 crore INR 200 Crore in last Ten years from the date of bidding with at least a single city surveillance/smart city/safe city project with more than 1000 cameras.	Volume 1	PQ Criteria	As per RFP
176	Volume 1	35 of 96	(3.5 Pre-Qualification Criteria) - ICT Based Projects Experience The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at any three(03) distinct projects of cumulative value not less than INR 50 Crores during last Ten years from the date of bid submission (excluding civil work) out of the Four (4) Categories mentioned below : 1) Data Center / Servers- Storage Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network /Large Campus like Airports At least 2 projects of any two of the abovementioned solutions should be of value of 10 CR. Each or higher	Request you to kindly amend the clause as below: (3.5 Pre-Qualification Criteria) - ICT Based Projects Experience The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at any three(03) distinct projects of cumulative value not less than INR 50 Crores during last Ten years from the date of bid submission. (excluding civil work) out of the Four (4) Categories mentioned below : 1) Data Center / Servers- Storage Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network /Large Campus like Airports At least 2 projects of any two of the abovementioned solutions should be of value of 10 CR. Each or higher	Volume 1	PQ Criteria	Refer corrigendum
177	Volume 1	36 of 96	(3.5 Pre-Qualification Criteria) - Other Smart Solutions Based Project Experience The Sole/ Lead Bidder/ (any member in case of a consortium) shall have experience of any of the Three (3) solutions during the last Ten (10) years (excluding civil work) from the date of bid submission from the mentioned areas: 1) GIS 2) Variable Messaging Display 3) Environmental Sensor 4) PA System/Sound System The minimum value of the above-mentioned solutions in the project	(3.5 Pre-Qualification Criteria) - Other Smart Solutions Based Project Experience The Sole/ Lead Bidder/ (any member in case of a consortium) shall have experience of any of the Three (3) solutions during the last Ten (10) years (excluding civil work) from the date of bid submission from the mentioned areas: 1) GIS 2) Variable Messaging Display 3) Environmental Sensor 4) PA System/Sound System The minimum value of each of the above-mentioned solutions in the project should be INR 50 lacs	Volume 1	PQ Criteria	Refer corrigendum
178	Volume 1	38 of 96	(3.6 Technical Evaluation Criteria) 1 Annual Turnover - 15 Marks 2 Certifications - 10 Marks 3 Projects Experience - ICT Components - 30 Marks 4 ICT Components - 10 Marks 5 Understanding/ A&M/ Deployment/ SLA/OEM Selection/Presentation - 25 Marks 5.1 Understanding/ A&M/ Deployment/ SLA - 10 Marks 5.2 Technical Presentation - 10 Marks 5.3 OEM Selection - 5 Marks	(3.6 Technical Evaluation Criteria) 1 Annual Turnover - 10 Marks 2 Certifications - 5 Marks 3 Projects Experience - ICT Components - 30 Marks 4 ICT Components - 10 Marks 5 Understanding/ A&M/ Deployment/ SLA/OEM Selection/Presentation - 25 Marks 5.1 Understanding/ A&M/ Deployment/ SLA - 10 Marks 5.2 Technical Presentation/ Online Demo - 20 Marks 5.3 OEM Selection - 5 Marks 6 Proposed Resources - 10 Marks	Volume 1	TQ evaluation criteria	As per RFP
179	Volume 1	38 of 96	(3.4 Evaluation Process) 3.4.2 Technical Evaluation Each Technical Bid will be assigned a technical score out of a maximum of 100 marks. Only the bidders who get an Overall Technical score of 70% or more in the Technical Evaluation Framework as given in Section 3.6 will qualify for commercial evaluation stage. Failing to secure minimum marks shall lead to technical rejection of the Bid.	Request you to amend the clause as below: (3.4 Evaluation Process) 3.4.2 Technical Evaluation Each Technical Bid will be assigned a technical score out of a maximum of 100 marks. Only the bidders who get an Overall Technical score of 70% 80% or more in the Technical Evaluation Framework as given in Section 3.6 will qualify for commercial evaluation stage. Failing to secure minimum marks shall lead to technical rejection of the Bid.	Volume 1	TQ evaluation criteria	As per RFP

180	Volume 1	38 of 96	<p>(3.6 Technical Evaluation Criteria) - Annual Turnover</p> <p>Average annual turnover from Specific Business Areas as mentioned below for The Sole Bidder/ Bidders (All consortium members put together in case of consortium) over the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22. Out Of total value of turnover; 50% at least to be from lead bidder. Annual average turnover from specific business areas of any consortium member in INR equivalent during the last 3 financial years, i.e. 2019-2020, 2020-2021 & 2021-2022 should be minimum 50Cr. In case of sole bidder 100% turnover to be from sole bidder. Marks shall be allotted as given below:</p> <ol style="list-style-type: none"> 1. >INR 600 Cr.= 15 marks 2. >INR 550cr. to 600 Cr.= 10 marks 3. =INR 500cr.to 550 Cr.= 05 marks 	<p>Request you to kindly amend the clause as below:</p> <p>Average annual turnover from Specific Business Areas as mentioned below for The Sole Bidder/ Bidders All consortium members put together in case of consortium) over the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22. Out Of total value of turnover; 50% at least to be from lead bidder. Annual average turnover from specific business areas of any consortium member in INR equivalent during the last 3 financial years, i.e. 2019-2020, 2020-2021 & 2021-2022 should be minimum 50Cr. In case of sole bidder 100% turnover to be from sole bidder.</p> <p>Marks shall be allotted as given below:</p> <ol style="list-style-type: none"> 1. >INR 1250 Cr.= 10 marks 2. >INR 1000 cr. to 1250 Cr.= 07 marks 3. =INR 750 cr.to 1000 Cr.= 05 marks 	Volume 1	TQ evaluation criteria	Refer corrigendum
181	Volume 1	39 of 96	<p>(3.6 Technical Evaluation Criteria) - Project Experience - ICT Components</p> <p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at any three(03) distinct Projects of during last Ten years from the date of bid submission (excluding civil work) out of the Four (4) Categories mentioned below:</p> <ol style="list-style-type: none"> 1) Data Center / Servers- Storage Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFc/City wide network / Large Campus like Airports <p>At least 2 projects of any two of the above-mentioned solutions should be of value of 10 CR. Each or higher Marks shall be allotted as below:</p> <p>Cumulative Project Value:</p> <ol style="list-style-type: none"> 1) >INR 75 cr.= 30 marks 2) >INR 60 cr. to 75 cr.= 25 marks 3) = INR 50 cr. to 60 cr.= 20 Marks 	<p>Request you to kindly amend the clause as below:</p> <p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at any three(03) distinct systems in a single Project of during last Ten years from the date of bid submission (excluding civil work) out of the Four (4) Categories mentioned below :</p> <ol style="list-style-type: none"> 1) Data Center / Servers- Storage Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFc/City wide network / Large Campus like Airports <p>At least 2 projects of any two of the above-mentioned solutions should be of value of 10 CR. Each or higher</p> <p>Marks shall be allotted as below:</p> <p>Cumulative Project Value:</p> <ol style="list-style-type: none"> 1) >INR 200 cr.= 30 marks 2) >INR 150 cr. to 200 cr.= 25 marks 3) = INR 100 cr. to 150 cr.= 20 Marks <p>Note : Maximum 2 projects shall be considered</p>	Volume 1	TQ evaluation criteria	Refer corrigendum
182	Volume 1	39 of 96	<p>(3.6 Technical Evaluation Criteria) - ICT Components</p> <p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have experience of any of the Three (3) solution in last Ten years (excluding civil work) from the mentioned areas:</p> <ol style="list-style-type: none"> 1) Cyber Security System 2) GIS 3) Variable Messaging Display 4) Environmental Sensor 5) PA System/Sound System <p>Cumulative Value of the abovementioned solutions in the projects selected:</p> <ol style="list-style-type: none"> 1) >INR 250 Lacs = 10 marks 2) >INR 200 Lacs to 250 Lacs= 8.5 marks 3) =INR 150 Lacs to 200 Lacs= 7 Marks 	<p>Request you to kindly amend the clause as below:</p> <p>The Sole/ Lead Bidder/ (any member in case of consortium) shall have experience of any of the Three (3) solution in last Ten years (excluding civil work) from the mentioned areas:</p> <ol style="list-style-type: none"> 1) Cyber Security System 2) GIS 3) Variable Messaging Display 4) Environmental Sensor 5) PA System/Sound System <p>Cumulative Value of the abovementioned solutions in the projects selected:</p> <ol style="list-style-type: none"> 1) >INR 750 Lacs = 10 marks 2) >INR 500 Lacs to 750 Lacs= 8.5 marks 3) =INR 250 Lacs to 500 Lacs= 7 Marks <p>Note : Maximum 2 projects shall be considered</p>	Volume 1	TQ evaluation criteria	Refer corrigendum
183	Volume-1	38 of 96	<p>Technical Evaluation Criteria</p> <p>A. The Sole Bidder/ Lead Bidder/ any of the Consortium members shall have following valid certificates:</p> <ul style="list-style-type: none"> - ISO 9001:2008 or equivalent. - ISO 20000:2011 for IT Service Management or equivalent certification - ISO 27001:2013 for Information Security Management System or equivalent certification <p>i. All above certificate= 7 Marks</p> <p>B. The Sole/ Lead Bidder/ any of the consortium member should have following valid certificate:</p> <p>i. CMMI Level 3= 3 Marks</p>	<p>Request you to kindly amend the clause as below:</p> <p>A. The Sole Bidder/ Lead Bidder/ any of the Consortium members shall have following valid certificates:</p> <ul style="list-style-type: none"> - ISO 9001:2008 or equivalent. - ISO 20000:2011 for IT Service Management or equivalent certification - ISO 27001:2013 for Information Security Management System or equivalent certification <p>i. All above certificate= 3 Marks</p> <p>B. The Sole/ Lead Bidder/ any of the consortium member should have following valid certificate:</p> <ul style="list-style-type: none"> i. CMMI Level 3 = Nil ii. CMMI Level 5 = 2 Marks 	Volume 1	TQ evaluation criteria	As per RFP
184	Volume-1	38 of 96	<p>Technical Evaluation Criteria:</p> <p>Technical Presentation to the Evaluation Committee - 10 Marks</p>	<p>We request you to amend the clause as below:</p> <p>Technical Evaluation Criteria:</p> <p>Technical Presentation / Online demo (PoC) to the Evaluation Committee - 20 Marks</p>	Volume 1	TQ evaluation criteria	As per RFP

185	Volume-1	40 of 96	<p>Technical Evaluation Criteria:</p> <p>A. Technical Leader cum Program Manager : 3 marks</p> <p>i. Min Educational Qualification: BE /B. Tech / MCA or equivalent with MBA/M.Tech or equivalent</p> <p>ii. Min Work experience in the capacity of Project/Program Manager in ICT implementation Projects: 10 years</p> <p>a. Certification: PMP/ Prince 2 Certification- 0.5 mark</p> <p>b. Work experience in the capacity of Project/Program Manager in ICT implementation Projects:</p> <p>i. > 10 years of relevant experience): 0.5 mark</p> <p>ii. > 12 years of relevant experience): 1 mark</p> <p>c. Project/Program Management Experience in ICT implementation Project of value > 100 crores: 1 mark</p> <p>d. Project/Program Management Experience of min 6 months in Smart</p>	<p>Request you to kindly amend the clause as below:</p> <p>A. Technical Leader cum Program Manager : 3 marks</p> <p>i. Min Educational Qualification: BE /B. Tech / MCA or equivalent with MBA/M.Tech /ME/ PGDM or equivalent</p> <p>ii. Min Work experience in the capacity of Project/Program Manager in ICT implementation Projects: 10 years</p> <p>a. Certification: PMP/ Prince 2 Certification- 0.5 mark</p> <p>b. Work experience in the capacity of Project/Program Manager in ICT implementation Projects:</p> <p>i. > 10 years of relevant experience): 0.5 mark</p> <p>ii. > 12 years of relevant experience): 1 mark</p> <p>c. Project/Program Management Experience in ICT implementation Project of value > 100 crores: 1 mark</p> <p>d. Project/Program Management Experience of min 6 months in Smart City ICT implementation Project: 0.5 mark</p>	Volume 1	TQ evaluation criteria	Refer corrigendum
186	Volume-1	40 of 96	<p>Technical Evaluation Criteria:</p> <p>B. Solution Architect: 2 marks</p> <p>i. Min Educational Qualification: Bachelor's Degree in Engineering/MCA or equivalent</p> <p>ii. Min Work experience in the capacity of Solution Architect in ICT implementation Projects: 7 years</p> <p>a. Certification: Relevant certification in Solution Architecture/ framework e.g TOGAF or equivalent-0.5 mark</p> <p>b. Work experience as IT/ICT solution architect</p> <p>i. > 7 years of relevant experience): 0.5 mark</p> <p>ii. > 8 years of relevant experience): 1 mark</p> <p>iii. > 10 years of relevant experience): 1.5 mark</p> <p>Pre-Qualification Bid Covering Letter</p>	<p>Request you to kindly amend the clause as below:</p> <p>B. Solution Architect: 2 marks</p> <p>i. Min Educational Qualification: Bachelor's Degree in Engineering/MCA or equivalent</p> <p>ii. Min Work experience in the capacity of Solution Architect in ICT implementation Projects: 7 years</p> <p>a. Certification: Relevant certification in Solution Architecture/ framework e.g TOGAF or ITIL or AWS or Red Hat or equivalent-0.5 mark</p> <p>b. Work experience as IT/ICT solution architect</p> <p>i. > 7 years of relevant experience): 0.5 mark</p> <p>ii. > 8 years of relevant experience): 1 mark</p> <p>iii. > 10 years of relevant experience): 1.5 mark</p>	Volume 1	TQ evaluation criteria	Refer corrigendum
187	Volume-1	52 of 96	<p>We hereby declare that:</p> <p>a. We hereby acknowledge and unconditionally accept that the Authority can at its absolute discretion apply whatever criteria it deems appropriate, not just limiting to those criteria set out in the RFP and related documents, in short listing of Agency for providing services.</p>	<p>Request you to kindly amend the clause as below:</p> <p>We hereby declare that:</p> <p>a. We hereby acknowledge and unconditionally accept that the Authority can at its absolute discretion apply whatever criteria it deems appropriate, not just limiting to those criteria set out in the RFP and related documents, in short listing of Agency for providing services.</p>	Volume 1	PQ Criteria	As per RFP
188	Volume-1	87 of 96	<p>Annexure 7 - Format for Power of Attorney to Authorize Signatory</p> <p>Notes:</p> <p>a. To be executed by all the members individually.</p> <p>b. The Mode of execution of the power of attorney should be in accordance with the procedure, if any laid down by the applicable law and the charter documents of the executant(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure.</p>	<p>Request you to kindly amend the clause as below:</p> <p>Notes:</p> <p>a. To be executed by all the members individually.</p> <p>b. The Mode of execution of the power of attorney should be in accordance with the procedure, if any laid down by the applicable law and the charter documents of the executant(s) and when it is so required the same should be under common / company seal affixed in accordance with the required procedure.</p>	Volume 1	PQ Criteria	As per RFP
189	Volume-1	89 of 96	<p>Annexure 8 - Format for Power of Attorney for Lead bidder of Consortium</p> <p>Notes:</p> <p>To be executed by all the members individually, in case of a Consortium.</p> <p>The Mode of execution of the power of attorney should be in accordance with the procedure, if any laid down by the applicable law and the charter documents of the executant(s) and when it is so required the same should be under common seal affixed in accordance</p> <p>(Right to vary quantity and change in scope)</p>	<p>Request you to kindly amend the clause as below:</p> <p>Notes:</p> <p>To be executed by all the members individually, in case of a Consortium.</p> <p>The Mode of execution of the power of attorney should be in accordance with the procedure, if any laid down by the applicable law and the charter documents of the executant(s) and when it is so required the same should be under common / company seal affixed in accordance with the required procedure.</p>	Volume 1	PQ Criteria	As per RFP
190	Volume 1	30 of 96	<p>Total value of all change of Scope orders shall not exceed Twenty (20) percent of Approved Contract Amount.</p>	<p>We request you to change the clause as amended below:</p> <p>Total value of all change of Scope orders shall not exceed Twenty (20) Ten (10) percent of Approved Contract Amount</p>	Volume 1	Variation in scope	As per RFP
191	Volume 1	34 of 96	<p>Pre-Qualification Criteria</p>	<p>We request for the insertion of the following clause in the RFP.</p> <p>Division/Business Unit of any company/its parent organisation OR a bidder organisation undergone ownership/name changes, shall also be considered for evaluation if the eligibility and technical evaluation criteria is met jointly by the bidder and the parent Company/Division/ Business Unit acquired.</p> <p>* For a bidder to be eligible to use the credentials of its parent company; the parent company should hold the majority stake (at least 51%) ownership of the bidder.</p> <p>Supporting Document: Bidder should submit Business Transfer Agreement</p>	Volume 1	PQ Criteria	As per RFP

192	Volume 1	78 of 96	(8. Annexure 4 – Performance Bank Guarantee) Now, therefore, we hereby affirm that we are guarantors and responsible to you, on behalf of the System Integrator, up to a total of Rs. <Insert Value> (Rupees <Insert Value in Words> only) and we undertake to pay you, upon your first written demand declaring the System Integrator to be in default under the contract and without cavil or argument, any sum or sums within the limits of Rs. <Insert Value> (Rupees <Insert Value in Words> only) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein. We hereby waive the necessity of your demanding the said debt from the bidder before presenting us with the demand.	We request you to include the below clause in addition to the mentioned clause: Before demanding the guarantor, an Opportunity of being heard shall be given to the System Integrator for a reasonable time, so as to let the System Integrator to take corrective actions in good faith.	Volume 1	PBG	As per RFP
193	Vol - I 3.5 Pre- Qualification Criteria	34 of 96	Company Financial profile The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 500 Crores over the last three (3) Financial Years i.e. for FY 2020-21, 2021-22, 2022-23. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 3 financial years, i.e. 2020-21, 2021-22, 2022-23= 50Cr from specific business areas. In case of sole bidder 100% turnover to be from sole bidder. Required Documentary Evidence 1. Audited financial statements for last three Financial Years. 2. CA certificate clearly specifying the annual turnover for the specified years. 3. CA certificate clearly specifying the experience from specific business areas (Business Area means: ICT/ ITES /IT System Integration & Services Experience relevant to this RFP) 4. PAN card 5. GST registration	We request to please modify the clause like other similar smart city project in India like Pondicherry Smart City, Varanasi Smart City etc. as under : Company Financial profile The Sole Bidder/ Bidders (All consortium members put together in case of consortium) shall have an average annual turnover of INR 500 Crores over the last five (5) Financial Years i.e. for FY 2017-18, 2018-19, 2019-2020, 2020-2021 & 2021-2022. In case of Consortium, out of total value of turnover; 50% at least to be met by lead bidder. Annual average turnover of bidder or any consortium in INR equivalent during the last 5 financial years, i.e. 2017-18, 2018-19, 2019-2020, 2020-2021 & 2021-2022 = 50Cr from specific business areas. In case of sole bidder 100% turnover to be from sole bidder. Required Documentary Evidence 1. Audited financial statements for last three Financial Years. 2. CA certificate clearly specifying the annual turnover for the specified years. 3. CA certificate/MOA/AOA (Memorandum of Article/Article of Association) clearly specifying the experience from specific business areas-line of business areas (Business Area means: ICT/ ITES /IT System Integration & Services/Smart Cities/ Cities/telecommunication/networking/software/data processing/software development Experience relevant to this RFP) 4. PAN card 5. GST registration	Volume 1	PQ Criteria	Refer corrigendum
194	Vol - I 3.6 Technical Evaluation Criteria	38 of 96	Annual Turnover Average annual turnover from Specific Business Areas as mentioned below for The Sole Bidder/ Bidders (All consortium members put together in case of consortium) over the last three (3) Financial Years i.e. for FY 2019-20, 2020-21, 2021-22. Out Of total value of turnover; 50% at least to be from lead bidder. Annual average turnover from specific business areas of any consortium member in INR equivalent during the last 3 financial years, i.e. 2019-2020, 2020-2021 & 2021-2022 should be minimum 50Cr. In case of sole bidder 100% turnover to be from sole bidder. Marks shall be allotted as given below: 1. >INR 600 Cr.= 15 marks 2. >INR 550cr. to 600 Cr.= 10 marks 3. =INR 500cr.to 550 Cr.= 05 marks Required Documentary Evidence Sole Bidder or Lead Bidder of the consortium and its consortium partners: Certificate from the Statutory Auditor/CA on turnover details from the "specific business areas" over the last three (3) financial years (Business Area means: ICT/ ITES /IT System Integration Services Experience relevant to this RFP)	We request to please modify the clause like other similar smart city project in India like Pondicherry Smart City, Varanasi Smart City etc. as under: Annual Turnover Average annual turnover from Specific Business Areas as mentioned below for The Sole Bidder/ Bidders (All consortium members put together in case of consortium) over the last five (5) Financial Years i.e. for FY 2017-18, 2018-19, 2019-2020, 2020-2021 & 2021-2022. Out Of total value of turnover; 50% at least to be from lead bidder. Annual average turnover from specific business areas-of any consortium member in INR equivalent during the last 5 financial years, i.e. 2017-18, 2018-19 2019-2020, 2020-2021 & 2021-2022 should be minimum 50Cr. In case of sole bidder 100% turnover to be from sole bidder. Marks shall be allotted as given below: 1. >INR 600 Cr.= 15 marks 2. >INR 550cr. to 600 Cr.= 10 marks 3. =INR 500cr.to 550 Cr.= 05 marks Required Documentary Evidence Sole Bidder or Lead Bidder of the consortium and its consortium partners: Certificate from the Statutory Auditor/CA/MOA/AOA (Memorandum of Article/Article of Association) on turnover details from the "specific business areas" (Business Area means: ICT/ ITES /IT System Integration & Services/Smart Cities/telecommunication/networking/software/data processing/software development relevant to this RFP) over the last three (3) financial years.	Volume 1	PQ Criteria	Refer corrigendum
195	1.3. Bid Data Sheet	7 of 96	Method of Selection The selection of SI shall be through two stage Least Cost System (LCS) with the 1st Stage consisting of Prequalification and Technical Criteria evaluation. The minimum qualifying marks for 1st stage would be 70 marks out of 100 marks. 2nd stage would be evaluation of Financial Bid and the Bidder with Lowest Bid (L1) will be selected based on Total Price (Capex Price + Opex Price)	Since this is System Integration opportunity where number of application is going to be integrated at a single platform, hence technology of the bidder will be of utmost importance. Hence, QCBS evaluation for selection of System Integrator is recommended like other similar opportunities ongoing as well as successfully delivered so far as under: Method of Selection: The bid evaluation shall be done on Quality-cum-Cost Based Selection (QCBS). Phase I: Evaluation of Eligibility criteria & Technical Bids. In this part the Bidders will be evaluated for the fulfillment of the conditions specified in the Eligibility criteria mentioned in 3.6 Technical Evaluation Criteria and only those bidders who have qualified the 3.5 Pre-Qualification Criteria will be evaluated. Technical Bid Score: The Technical Bid Score "TS" of the Bidder shall be derived as under: TS = (TM / TH) x 100 where, TS is the Technical Bid Score TM= Total Technical bid marks of the bidder under consideration TH= Highest total Technical bid marks amongst all evaluated bids Phase II: Evaluation of Financial Bids: In this phase, the Financial Bids of the Bidder, who are technically qualified and who have secured a technical score of 70% or more shall be opened. Formula to determine the scores for the Financial Bids shall be as follows. FS= (FL/F) x 100 Where, FS is the Financial Score of Price submitted under consideration. FL is the total value of the lowest Commercial Bid under consideration. F is the total price quoted in the bid under consideration. Phase III: Combined Evaluation of Technical & Financial Bid: Technical Score shall be given 70% weightage in total score and Financial Score shall be given 30% weightage in total score as described below: The Total score of the Bidder will be determined as under: Total Score = (T) = (0.7 x TS) + (0.3 x FS) The bid of the bidder, who obtains the highest T value, will be rated as the Most Responsive Bid. In the event of the same T score of bidders, the bid with the highest Technical score (TS) will be rated as the most responsive bid. Beyond that, Bid Evaluation Committee will decide the matter in its full discretion	Volume 1	Method of selection	As per RFP

196	Volume 1	Page No. 9 - Point No.1.4/12	A consortium consists of multiple members (not more than Three parties - Lead Bidder + maximum 1 Consortium member) entering into a Consortium Agreement for a common objective of satisfying the Authority requirements & represented by lead member of the consortium, designated as a "Lead Bidder". Also, the responsibility for successful execution of the entire project will be that of the defined Lead bidder. The consortium members should have relevant experience of executing similar roles and responsibilities in past as stated in the MoU in Annexure 5. Parent company existence of Bidder/ Lead bidder would be considered for only 100% subsidiary/ division/ sub division/ branch business unit. For the purpose of technical evaluation, net worth and turnover of parent, associate or other related entity will not be considered.	There is a contradiction in the given criteria, please let us know the Limitation of members per consortium	Volume 1	Consortium	Lead Bidder + maximum 1 Consortium member allowed
197	Volume 1 Important Dates	2	Date of Posting of Response to Queries and Date of Bid Submission	In order to provide bidders with a clear and workable timeline, we kindly request you to provide atleast 20 days from the date of corrigendum. Hence kindly request you to prepone the last date for posting responses.	Volume 1	General-ITB	Refer corrigendum
198	Volume 1 EMD	17	2.8. Earnest Money Deposit (EMD) The bid document must be accompanied by the Earnest Money Deposit of Rs. 61,070,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment	As per the standard practise of all such Govt Projects, we kindly request you to allow EMD in form of a BG from any Scheduled Commercial or Nationalized Bank.	Volume 1	EMD	Refer corrigendum. EMD in the prescribed BG format is acceptable. EMD to be made valid for at least 3 months from the date of submission of bid.
199	Volume 1 3.5 Pre-Qualification Criteria	34	5 Key Certifications Copies of the valid certificates in the name of the Bidder. At least six months validity is required from the date of submission of bids.	Certifications can be renewed only when the date of expiry is in near term of 1-3 months timeline. Hence in case a bidder has a certificate which would expire in 6 months timeline cannot renew the certificate now. Kindly request you amend the validity requirement to 3 months.	Volume 1	PQ Criteria	Refer corrigendum
200	Volume 1 3.5 Pre-Qualification Criteria	35	8 ICT Based Projects Experience The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at any three(03) distinct projects of cumulative value not less than INR 50 Crores during last Ten years from the date of bid submission (excluding civil work) out of the Four (4) Categories mentioned below : 1) Data Center / Servers- Storage Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network / Large Campus like Airports At least 2 projects of any two of the abovementioned solutions should be of value of 10 CR. Each or higher	Kindly request you to confirm if the following understanding is correct: Project Experience of only Smart City/Safe City/Govt Dept or PSU shall be considered.	Volume 1	PQ Criteria	Project Experience of State / Central Government / PSU Clients directly awarded to Bidders is acceptable.
201	Volume 1 3.5 Pre-Qualification Criteria	35	8 ICT Based Projects Experience The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at any three(03) distinct projects of cumulative value not less than INR 50 Crores during last Ten years from the date of bid submission (excluding civil work) out of the Four (4) Categories mentioned below : 1) Data Center / Servers- Storage Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network / Large Campus like Airports At least 2 projects of any two of the abovementioned solutions should be of value of 10 CR. Each or higher	Kindly request you to confirm if the following understanding is correct: Surveillance Projects here refers only to outdoor city surveillance projects and not projects involving indoor / building / industrial/ or closed campus projects.	Volume 1	PQ Criteria	Only outdoor Surveillance Projects acceptable.
202	Volume 1 3.5 Pre-Qualification Criteria	35	8 ICT Based Projects Experience The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at any three(03) distinct projects of cumulative value not less than INR 50 Crores during last Ten years from the date of bid submission (excluding civil work) out of the Four (4) Categories mentioned below : 1) Data Center / Servers- Storage Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network / Large Campus like Airports At least 2 projects of any two of the abovementioned solutions should be of value of 10 CR. Each or higher	Since most of the Smart/Safe City projects now operate on MPLS Bandwidth from ISP/TSP, we kindly request you to amend the clause as hereunder: 8 ICT Based Projects Experience The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at any three(03) distinct projects of cumulative value not less than INR 50 Crores during last Ten years from the date of bid submission (excluding civil work) out of the Four (4) Categories mentioned below : 1) Data Center / Servers- Storage Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network / MPLS Bandwidth Large Campus like Airports At least 2 projects of any two of the abovementioned solutions should be of value of 10 CR. Each or higher	Volume 1	PQ Criteria	Refer Corrigendum. ISP/ TSP both acceptable.

203	Volume 1 3.5 Pre- Qualification Criteria	35	<p style="text-align: center;">8</p> <p>ICT Based Projects Experience The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at any three(03) distinct projects of cumulative value not less than INR 50 Crores during last Ten years from the date of bid submission (excluding civil work) out of the Four (4) Categories mentioned below :</p> <ol style="list-style-type: none"> 1) Data Center / Servers- Storage Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network / Large Campus like Airports <p>At least 2 projects of any two of the abovementioned solutions should be of value of 10 CR. Each or higher</p>	<p>Kindly request you to confirm if the following understanding is correct:</p> <p>Bidder has to have experience of minimum 3 distinct projects of and the cumulative value of 50 Crs from those 3 projects is to be ascertained only from the scope mentioned in the 4 categories provided in this clause.</p>	Volume 1	PQ Criteria	Refer corrigendum
204	Volume 1 3.5 Pre- Qualification Criteria	35	<p style="text-align: center;">8</p> <p>ICT Based Projects Experience The Sole/ Lead Bidder/ (any member in case of consortium) shall have successfully executed at any three(03) distinct projects of cumulative value not less than INR 50 Crores during last Ten years from the date of bid submission (excluding civil work) out of the Four (4) Categories mentioned below :</p> <ol style="list-style-type: none"> 1) Data Center / Servers- Storage Infrastructure establishment 2) Command and control center/ City Control Room/ Communication Center/ Traffic Control Room 3) Surveillance projects 4) Network Backbone/OFC/City wide network / Large Campus like Airports <p>At least 2 projects of any two of the abovementioned solutions should be of value of 10 CR. Each or higher</p>	<p>Kindly request you to confirm if the following understanding is correct:</p> <p>Atleast 2 of the 3 cited projects should have a scope of INR 10 Crs minimum from 2 out of the 4 categories mentioned in the clause.</p>	Volume 1	PQ Criteria	Refer corrigendum
205	Volume 1 3.5 Pre- Qualification Criteria	36	<p style="text-align: center;">9</p> <p>Others Smart Solutions Based Project Experience The Sole/ Lead Bidder/ (any member in case of a consortium) shall have experience of any of the Three (3) solutions during the last Ten (10) years (excluding civil work) from the date of bid submission from the mentioned areas:</p> <ol style="list-style-type: none"> 1) GIS 2) Variable Messaging Display 3) Environmental Sensor 4) PA System/Sound System <p>The minimum value of the above-mentioned solutions in the project</p>	<p>Kindly request you to confirm if the following understanding is correct:</p> <p>The cumulative value of 50 Lacs INR is to be ascertained from 3 out of the 4 solutions mentioned in the clause from a single project and not summation of multiple projects.</p>	Volume 1	PQ Criteria	Refer corrigendum
206	Volume 1, 3.5 Pre- Qualification Criteria, TECHNICAL EVALUATION CRITERIA		<p>The sole Bidder/any Member of Consortium/Sub- Contractor(s): Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order. Completion Certificate issued & signed by the authorized signatory of the client entity on the entity's Letterhead In case of large orders/orders with operations & maintenance phase, the completion may specify successful execution of mentioned components and in operation status of a part of the order meeting the requirement through a Self- declaration from authorized signatory.</p> <p>Notes: ii. In case project is on-going a certificate from the Statutory Auditor/CA/CPA has to be provided as mentioned below.</p>	<p>We understand for large infrastructure projects where O&M is also in scope, client Go-live letter along-with bidder self declaration shall be suffice and no additional CA certificate is required.</p>	Volume 1	PQ Criteria	Go Live Certificate / Completion Certificate is acceptable.
207	Volume 1, TECHNICAL EVALUATION CRITERIA	40	<p>OEM Selection (A. Experience of major OEMs selected in past smart city/safe city/large government infra projects to be counted for which verifiable documents to be submitted. B. Direct Presence of OEMs in India C. Solution document submitted by OEMs and D. Service Infrastructure of OEMs to be evaluated) of major components- Camera, ICCP Platform, VMS Platform, Cyber Security Components, Cloud Service Provider,</p>	<p>We understand that OEM self declarations, applicable certifications and Purchase Orders from Major MSI / Govt Departments shall be considered. Kindly confirm.</p>	Volume 1	Eligible Goods and Services, and OEM Criteria	As per RFP
208	Volume 1, 2.29. Eligible Goods and Services, and OEM Criteria	30	<p>Adequate supporting documents pertaining to the above points, along with a summary compliance table, should be submitted in the technical proposal by the Bidder.</p>	<p>Kindly request you to detail out the list of documents to be submitted against each clause under 2.29. Also , pls share a format of undertakings to be submitted by the various OEMs in compliance to clause 2.29 so as to avoid any confusions and bring parity amongst bidders/OEMs.</p>	Volume 1	Eligible Goods and Services, and OEM Criteria	As per RFP

209	Volume 1, 2.29. Eligible Goods and Services, and OEM Criteria	30	x) The Sole/ Lead Bidder/ (any member in case of a consortium) shall have experience of executing projects of a) Cyber Security and b) ICCC Platform of not less than INR 3 Crores each as part of smart city/safe city/surveillance/ large infra project. Experience of named implementing agency empaneled by Sole/ Lead Bidder/ (any member in case of a consortium) and authorized by relevant OEM is acceptable in lieu of direct credential. Documentary evidence in the form of Purchase Order copy along with proof of payment against supply to be submitted from Central Govt./State Govt./PSU customer.	We understand that bidders with direct orders from any Central Govt./State Govt./PSU customer for experience of a) Cyber Security and b) ICCC Platform of not less than INR 3 Crores each as part of smart city/safe city/surveillance/ large infra project can submit completion/Go Live Certificate from the customer in lieu of proof of completion/payment as asked in this clause.	Volume 1	Eligible Goods and Services, and OEM Criteria	Credential of Bidder / Named Implementation Agency is acceptable.
210	Volume 1, TECHNICAL EVALUATION CRITERIA	40	Technical Presentation to the Evaluation Committee	We understand presentation is to be demonstrated/showcased in front of the committee & not to be submitted as a part of the bid, please confirm.	Volume 1	TQ evaluation criteria	Understanding is correct
211	Volume 1, TECHNICAL EVALUATION CRITERIA	41	B. Solution Architect: 2 marks a. Certification: Relevant certification in Solution Architecture/ framework e.g TOGAF or equivalent-0.5 mark	Request to modify as follows: B. Solution Architect: 2 marks a. Certification: Relevant certification in Solution Architecture/ framework e.g TOGAF or equivalent/ any other certification/ OEM related training- 0.5 mark	Volume 1	TQ evaluation criteria	Refer corrigendum
212	Volume 1, TECHNICAL EVALUATION CRITERIA	41	C. System Admin: 1 marks a. Certification: Any professional certification that relates to MCSE/Linux/ RHCE or equivalent-0.5 mark	Request to modify as follows: C. System Admin: 1 marks a. Certification: Any professional certification that relates to MCSE/Linux/ RHCE or equivalent/ any other certification/ OEM related training - 0.5 mark	Volume 1	TQ evaluation criteria	As per RFP
213	Volume 1, TECHNICAL EVALUATION CRITERIA	41	D. Network Expert: 1 mark a. Certification: Relevant certification preferably CCNA / CCNP/ or equivalent. -0.5 marks E. Database Expert: 1 mark a. Certification: Relevant certification in Database architecture and management, preferably G. Security Expert: 1 mark a. Certification: Relevant certification in IT security/CISM/ CISSP/CCNP or equivalent-0.5 mark	Request to modify as follows: D. Network Expert: 1 mark a. Certification: Relevant certification preferably CCNA / CCNP/ or equivalent/ any other certification/ OEM related training. -0.5 marks E. Database Expert: 1 mark a. Certification: Relevant certification in Database architecture and management, preferably MCSE (Database platform)/ MySQL 5.6/ MTA DB/ or equivalent/ any other certification/ OEM related training. -0.5 marks G. Security Expert: 1 mark a. Certification: Relevant certification in IT security/CISM/ CISSP/CCNP or equivalent/ any other certification/ OEM related training. -0.5 mark	Volume 1	TQ evaluation criteria	As per RFP
214	Volume 1	28	2.27. Sub-Contracting The bidder shall not be allowed to sub-contract work, except for the following: a) Fiber optic network build, other cabling and fixtures work, and all civil work during implementation. b) Facility Management Staff at Command Control Center & City Operation Center. Sub-contracting shall be allowed only with prior written approval of Authority. However, even if the work is sub-contracted, the sole responsibility of the work shall lie with the lead bidder. The lead bidder shall be held responsible for any delay/error/non-compliance etc. of its subcontracted vendor. The details of the sub-contracting agreements (if any) between both the parties would be required to be submitted to Authority.	We understand Installation & commissioning services, O&M services, etc. can also be subcontracted please confirm.	Volume 1	Sub-contract	As per RFP
215	Volume 1	28	2.27. Sub-Contracting The bidder shall not be allowed to sub-contract work, except for the following: a) Fiber optic network build, other cabling and fixtures work, and all civil work during implementation. b) Facility Management Staff at Command Control Center & City Operation Center. Sub-contracting shall be allowed only with prior written approval of Authority. However, even if the work is sub-contracted, the sole responsibility of the work shall lie with the lead bidder. The lead bidder shall be held responsible for any delay/error/non-compliance etc. of its subcontracted vendor. The details of the sub-contracting agreements (if any) between both the parties would be required to be submitted to Authority.	Details of Sub Contracting agreements are between and the bidder and their Sub Contractor containing internal T&Cs and price related information. Hence we kindly request you to remove the requirement of submission of agreement to the department.	Volume 1	Sub-contract	As per RFP
216	VOL I -clause no 4,3	45	The PBG shall be from a Nationalized Bank having branch at Guwahati in the format prescribed in Section 8 - Annexure 4, payable on demand, for the due performance and fulfillment of the contract by the bidder	We hereby request you to allow us to submit PBG from scheduled commercial bank	Volume 1	PBG	Refer corrigendum

217	VOL I -clause no 4.3	45	This Performance Bank Guarantee shall be for an amount equivalent to 10% of total contract value. PBG shall be invoked by Authority, in the event the Bidder:	We hereby request you to allow us to submit PBG @ 3% of contract value	Volume 1	PBG	Refer corrigendum
218	VOL I -clause no 4.3	46	This Performance Bank Guarantee shall be valid up to six (6) months after successful completion of the contract for the total contract duration i.e., 'Go- Live' + 60 months of O&M.	Request you to confirm whether initially we can provide PBG for a period of 3.5 years along with the letter mentioning that New Performance Security will be issued for future required period before expiring this BG	Volume 1	PBG	Refer corrigendum
219	Volume II	236	6. BILL OF MATERIAL (BoM) Refer Vol-IV for Capex and Opex details	Is Vol-IV means the excel sheet of CAPEX and OPEX, file name "BOQ_52066"? Please confirm. We are not able to find the Volume IV on the portal.	Volume 2	Technical Spec./BOQ	Vol-IV means the excel sheet of CAPEX and OPEX, file name "BOQ_52066"
220	Volume II	236	7. Location details Refer Annexure - Location details	We are not able to find the Annexure for location detail. Please provide.	Volume 2	Location Details	Refer corrigendum
221	Volume 2, 5.38 SECURITY INFORMATION & EVENT MANAGEMENT(SIEM)	200	The proposed solution should allow the creation of an unlimited number of new correlation rules	Request you to change it to "The Proposed solution should support multiple in-built correlation to detect IOCs and Threats"	Volume 2	Technical Spec.	Please read this clause as below: The Proposed solution should support multiple in-built correlation to detect IOCs and Threats
222	Volume 2, Section 5, Point no 5.6 VMD	79	LED Display Size 3000 X 1500 X 200 mm	In BOQ size mentioned is (1.9m X 2.8m) which is not matching with RFP. Please clarify the size of VMD. We understand it will be (1.9m X 2.8m). Please confirm.	Volume 2	Technical Spec./BOQ-VMD	Please refer BOQ description
223	Volume 2, Section 5, Point no 5.6 VMD	79	OHSAS18001:2007	OHSAS18001:2007 is not applicable now. It is replaced by ISO 45001:2018 which we will provide. Kindly make the requirement of Certification as OHSAS18001:2007 / ISO 45001:2018	Volume 2	Technical Spec.-VMD	ISO 45001:2018 is acceptable
224	Volume-2	48	5.2 IP PUBLIC ADDRESS SYSTEM SPECIFICATION: 1) IP66 Outdoor IP Speaker	Asked requirement is OEM specific . We request to remove these to maximise OEM participation	Volume 2	Technical Spec.-PA System	As per RFP
225	Volume-2	49	5.3 EMERGENCY CALL BOX SPECIFICATION 7) Focal Length of Camera 4mm lens 9)ECB Camera Support Triple Stream @25/30 fps in each stream 12)ECB should be IP66 Compliant. 14)ECB Camera Support WDR (120dB)	Asked requirement is OEM specific . We request to remove these to maximise OEM participation	Volume 2	Technical Spec.-ECB System	As per RFP
226	Volume-2	79	5.6 VMD (Variable Messaging Display) • Certifications: o OHSAS18001:2007	Asked requirement is OEM specific . We request to remove these to maximise OEM participation	Volume 2	Technical Spec.-VMD System	Refer Corrigendum
227	Volume-2	80	Ø Installations by OEM: • OEM should have at least 80 Nos installations of outdoor LED wall in a single network with content being published centrally and control also being done centrally. Proof of this should be submitted. Size of these installs should be similar or bigger and should be in India running for at least 1 year successfully.	In order to maximise OEM participation , we request to change requirement as below Ø Installations by OEM: • OEM should have at least 40 Nos installations of outdoor LED wall in a single network with content being published centrally and control also being done centrally. Proof of this should be submitted. Size of these installs should be similar or bigger and should be in India running for at least 1 year successfully.	Volume 2	Technical Spec.-VMD System	As per RFP
228	2. Scope of Work	14	Additionally, the SI should provide detailed TO-BE designs specifying the following, at the minimum: • High Level Design (for all components installed) for Application architecture, Logical and physical database design, Data dictionary and data definitions, ER diagrams and other data modeling documents and Physical infrastructure design for devices on the field. • Application component design including component deployment views, control flows, etc. • Low Level Design (including but not limited to) for all components installed Application flows and logic including pseudo code, GUI design (screen design, navigation, etc.), Database architecture, including defining data structure, data dictionary as per standards laid-down by Government of India/ Government of (State) • KPI design for the Video wall to visualize important events on real time	i) Kindly provide details for all components to be installed.	Volume 2	Technical Spec.	As per RFP
229	2.1 Intelligent City Surveillance System	15	The City Surveillance System will improve the livability of Guwahati by enhancing public safety, reducing crime rates, and promoting efficient resource allocation. It will enable the authorities to monitor public areas and respond quickly to any potential safety or security threats. It will help in creating a safe and secure environment for residents, reducing crime rates, and increasing their quality of life. The data collected by the surveillance system can be used to make informed decisions about resource allocation, such as transportation, energy, and waste management, improving the overall efficiency of the city. Overall, a city surveillance system can significantly contribute to creating a livable and sustainable urban environment.	i) What is your proposed technology stack for the surveillance system, including camera types, connectivity, and data storage solutions?	Volume 2	Technical Spec.	As per RFP
230	2.6 Key activities under the scope of the SI	17	Initiation and Planning for each Phase: Finalization of exact locations of the Cameras, Junction Boxes, Pole, Power Metres at different junctions	i)Are there any environmental or safety regulations that we should consider during the planning phase, especially when determining camera and pole placements?	Volume 2	Technical Spec.	As per RFP

231	2.6 Key activities under the scope of the SI	17	Initiation and Planning for each Phase: Finalization of exact locations of the Cameras, Junction Boxes, Pole, Power Metres at different junctions	ii) Are there any specific requirements or preferences regarding the types of cameras and equipment to be used in this project?	Volume 2	Technical Spec.	As per RFP
232	4.13 Design, Supply, Installation and Commissioning of the Field Equipment	35	The SI shall be responsible for obtaining all permits and approvals necessary to install the Intelligent City Surveillance System components from authority. However, authority shall borne the ROW charges and provide permissions from various government departments.	Who will be responsible for obtaining permits and approvals for installing the Intelligent City Surveillance System components?	Volume 2	Technical Spec.	As per RFP
233	4.17 Design, Supply, Installation, Testing and Commissioning of Network and Backbone Connectivity	36	The SI shall procure bandwidth as a service for the contract duration in order to meet the requirements as defined within the service level agreement (SLA).	Can you clarify whether the SI (Service Integrator) is expected to procure and manage the required bandwidth as a service throughout the contract duration? Are there any specific bandwidth requirements outlined in the SLA?	Volume 2	Technical Spec.	As per RFP
234	4.17 Design, Supply, Installation, Testing and Commissioning of Network and Backbone Connectivity	36	The SI shall procure bandwidth as a service for the contract duration in order to meet the requirements as defined within the service level agreement (SLA).	We also kindly request the inclusion of a tri-party agreement involving the Network Service Provider, System Integrator (SI), and the Client to enhance the management of our bandwidth services. This agreement would ensure more efficient coordination among all parties, leading to improved bandwidth service delivery and better alignment with our client's needs and expectations	Volume 2	Technical Spec.	As per RFP
235	5.10 Integrated Command and Control Centre(ICCC)	110	GIS Platform shall support GIS Maps in following file format PDF, JPG, PNG, Vector PDF Map, Web Map Service (WMS) defined by the Open Geospatial Consortium (OGC), Google Map-aerial; terrain, Bing Map, aerial, atellite, hybrid, ArcGIS/ESRI and Open Platform GIS Applications	We kindly request you to define the mentioned support for these file formats is indeed intended to facilitate the creation/printing, and sharing of maps and reports within the GIS Platform. Kindly Clarify.	Volume 2	Technical Spec.	As per RFP
236	5.10 Integrated Command and Control Centre(ICCC)	115	364. All field resources (vehicles /field workforce) should be location enabled and mapped to the GIS with unique identification (icon /symbol).	We kindly request clarification regarding the process of geotagging and mapping vehicles and associated field workforce within the GIS application, as stated in the RFP. Specifically, we would like to understand the required steps, and tools to ensure seamless integration with the GIS system.	Volume 2	Technical Spec.	All sources of Data as provided by GSCL and other stakeholder organisations to be covered by MSI in GIS Platform.The steps will vary depending on the specific GIS software and tools used.
237	5.44 Geographical Information Systems (GIS)	226	5.44 Geographical Information Systems (GIS)	Based on our interpretation, the GIS service to be provided by the System Integrator (SI) is expected to encompass the geotagging of all inventory items, including but not limited to CCTV cameras and Environmental Sensors, supplied by the SI. Additionally, the SI is responsible for integrating these items into the GIS system, developing the necessary use cases as specified in the RFP, and managing the supply, installation, and commissioning of the GIS Platform, including any required licenses. It's important to note that field surveys and data collection are not within the scope of the SI's responsibilities.	Volume 2	Technical Spec.	Base Maps will be provided by GSCL and other stakeholder organisations . Location details of all assets in the scope of this Tender to be mapped by MSI. Also MSI is responsible for integrating these items into the GIS system, developing the necessary use cases as specified in the RFP, and managing the supply, installation, and commissioning of the GIS Platform, including any required licenses. Field surveys for any item outside the scope of this tender is not to be included.
238	Volume-II, Clause No. 4.27. Indicative resource requirement	41	4.27 Indicative resource requirement Below is the indicative resource requirement for centralized administration of the Project	Please specify Line items or add line items in RFP Volume 4:Price Bid BOQ to quote rate of Manpower required during CAPEX and OPEX period. It enable bidders to avoid quoting unbalanced prices in relation to the Authority estimate of the cost of work and among Bidders.	Volume 2	Technical Spec.	As per RFP
239	Volume-II, Clause No. 3.1 Payment Schedule – Implementation Phase	30	of the CAPEX cost shall be released on overall Go Live of the complete p	We request you to modify this clause as follow: "6) 5% of the CAPEX cost shall be released on overall Go Live of the complete project. In case of delay in overall GO-Live beyond 3 months for reason not attributable to Bidder, Payment will be release against submission of Bank Guarantee of equivalent amount valid for 18 months."	Volume 2	Technical Spec.	As per RFP

240	Volume-II, Clause No. 4.6 Site Clearance obligations and other relevant permissions	33	Prior to starting the site clearance, the SI shall carry out survey of field locations as specified in this RFP, for buildings, structures, fences, trees, existing installations, etc. The authority shall be fully informed of the results of the survey and the amount and extent of the demolition and site clearance shall then be agreed with the authority. The Authority shall facilitate SI to take all requisite approvals and take necessary clearances for activities like Right of Way (ROW) etc.	Please confirm that our understanding of RFP is correct: 1) Cost of Right of Way (ROW) shall be reimbursed at actual against submission of documentary evidence. 2) Cost of reinstatement, wherever applicable, shall be reimbursed at actual, against submission of documentary evidence.	Volume 2	Technical Spec.	ROW not to be costed by Bidder. RI is in Bidder's scope. SI to provide Liasoning as required.
241	Volume-II, Clause No. 4.7 Electrical works and power supply	33	Electricity charges for all the field elements/command and control center shall be borne by the authority. The SI shall directly interact with electricity board (APDCL) for provision of mains power supply at all the identified locations for INTELLIGENT CITY SURVEILLANCE SYSTEM field solution before Go-Live. The electricity charges after Go-Live of the project shall be borne by the authority as per actual consumption. The SI shall be responsible to submit the electricity bill including connection charge, meter charge etc. to the electricity board (APDCL) directly. SI shall have to submit the challan of bill submission to authority. Authority will reimburse the amount submitted to the SI after verification in next billing cycle.	We request you to clarify the following: 1) Cost of Security Deposit for electrical connection shall be reimbursed to Bidder against submission of documentary evidence. 2) Cost of the electricity charges before Go-Live for all the identified locations for INTELLIGENT CITY SURVEILLANCE SYSTEM shall be borne by the authority as per actual consumption.	Volume 2	Technical Spec.	Electricity charges will be reimbursed by GSCL.
242	Volume-II, Clause No. 7. Location details	236	7. Location details Refer Annexure_Location details	Please share Annexure_Location details with Latitude, Longitude and proposed devices for each location.	Volume 2	Technical Spec.	Refer corrigendum
243	Volume-II, Clause No. 2.6 Key activities under the scope of the SI	23	The DG gen set, UPS will be installed at the ICCC approved site and the operational expenses of fuel consumed by DG gen set till the time of acceptance will be borne by MSI.	As per Volume-II clause no. 4.29, "Fuel for DG shall also be provided by authority". This clause will be applicable for both CAPEX and OPEX period. Please confirm.	Volume 2	Technical Spec.	As per RFP
244	Volume-II, Clause No. 4.22 Third Party Audit	39	GSCL reserves the right to respect and monitor/assess the performance / maintenance of the project systems at any time during the course of the contract. GSCL may demand and upon such demand being made, GSCL or its authorized Third Part Agency (TPA) shall be provided with any documents, data, materials or any other information which it may require, to enable it to assess the progress / performance	Cost of appointment of Third Part Agency (TPA) will be borne to Authority.	Volume 2	Technical Spec.	As per RFP
245	Volume-II, Clause No. 4.20 Capacity Building and Training	38	4.20 Capacity Building and Training	Please define number of training will be done by bidder till end of Operation and maintenance and approximate number of trainee under each category.	Volume 2	Technical Spec.	As per RFP
246	Volume 2, 5.38 SECURITY INFORMATION & EVENT MANAGEMENT(SIEM)	200	The proposed solution should allow the creation of an unlimited number of new correlation rules	Request you to change it to "The Proposed solution should support multiple in-built correlation to detect IOCs and Threats"	Volume 2	Technical Spec.	Please read this clause as below: The Proposed solution should support multiple in-built correlation to detect IOCs and Threats
247	Volume 2, Section 5, Point no 5.6 VMD	79	LED Display Size 3000 X 1500 X 200 mm	In BOQ size mentioned is (1.9m X 2.8m) which is not matching with RFP. Please clarify the size of VMD. We understand it will be (1.9 Meter X 2.8 Meter). Please confirm.	Volume 2	Technical Spec.	Please refer BOQ description
248	Volume 2, 5.6 VMD (Variable Messaging Display)	80 of 236	Material for VMS frame: at least 2mm aluminum or Non-corrosive, water resistant or better. Frame of the VMS is Matte black & Powder coated.	Material for VMS frame - 1.2mm is normally preferred. Please allow 1.2mm MS Frame considering the same is standard practise.. Please confirm.	Volume 2	Technical Spec.	1.2 mm is accepted.
249	Volume 2, Section 5, Point no 5.6 VMD	79	OHSAS18001:2007	OHSAS18001:2007 is not applicable now. It is replaced by ISO 45001:2018 which we will provide. Kindly make the requirement of Certification as OHSAS18001:2007 / ISO 45001:2018	Volume 2	Technical Spec.	ISO 45001:2018 is acceptable

250	Volume-2 : 5.20 SAN STORAGE	155	Controllers: Minimum dual controllers with symmetric active-active architecture. Each controller shall be configured with minimum 6 core or higher CPU	<p>Change To: Controllers: Minimum dual controllers with active-active architecture. Each controller shall be configured with minimum 32 x 2Ghz CPU core or higher</p> <p>a. Symmetric Active-Active Architecture is available with a particular OEM and hence restricts the other major storage OEMs from participation. Furthermore Symmetric Active-Active architecture does not have any relevance in the dual controller architecture since both the controllers are connected through common backplane, hence request to kindly remove the "Symmetric" keyword from specifications for wider participation from all the OEMs.</p> <p>b. 6 CPU Cores per controller is extremely less compute for a storage system with 768 GB Cache and 3PB capacity. Also this configuration favours a particular OEM. Furthermore, it is recommended to have minimum 32 cores per controller to support overall 768 GB Cache of the storage system in order to cater the performance and capacity requirements, otherwise GSCL may end in procuring a sub-standard storage system.</p>	Volume 2	Technical Spec.	Refer Corrigendum
251	Volume-2 : 5.20 SAN STORAGE	155	Cache Memory: Should be provided with minimum 768GB Global cache or more.	<p>Cache Memory: Should be provided with minimum 768GB cache or more.</p> <p>'Global Cache' is an OEM specific term that restricts other major storage OEMs from participation. Furthermore Global Cache architecture does not have any relevance in the dual controller storage architecture since both the controllers are connected through common backplane. Hence Request to kindly remove the keyword "Global" for wider participation from all the OEMs.</p>	Volume 2	Technical Spec.	Refer Corrigendum
252	5.20 SAN STORAGE	155	Connectivity: Minimum 2 ports per controller to be provided for host connectivity	<p>Connectivity: Minimum 4 x 32 Gbps FC ports per controller and 4 x 10/25 Gbps ports for SMB, NFS to be provided for host connectivity</p> <p>Kindly specify the port types to be provided (like FC, SMB/NFS). It is recommended to have minimum 4 x 32 Gbps for block and 4 x 10/25 Gbps ports for NFS,SMB in order to meet the performance requirements and to ensure that the storage meets the current and future host connectivity requirements (that is it should support all the host connectivity protocols like FC, iSCSI, NFS, SMB, vVOL etc.)</p>	Volume 2	Technical Spec.	Refer Corrigendum
253	Volume-2 : 5.20 SAN STORAGE	155	Storage subsystem should support 10TB/14TB/18TB or higher NLSAS/SATA/equivalent 7.2K drives in the same device array.	<p>Storage subsystem should support 10TB/12TB/14TB/18TB or higher NLSAS/SATA/equivalent 7.2K drives in the same device array.</p> <p>Kindly allow the 12TB NLSAS HDDs as well, for wider participation from all the OEMs.</p>	Volume 2	Technical Spec.	Refer Corrigendum
254	Volume-2 : 5.20 SAN STORAGE	155	Multipath: Multi-path & Load balancing should be supported. Unlimited host multipath licenses should be quoted from day one.	<p>Multipath: Multi-path & Load balancing should be supported. Either Unlimited host multipath licenses should be quoted from day one OR the storage system must support native host OS based multipathing.</p> <p>Most of the modern day storages support Native Host OS based multipathing and hence do not require separate multipathing licenses. Request to kindly amend the clause as requested, for wider participation from all the OEMs.</p>	Volume 2	Technical Spec.	Refer Corrigendum
255	Volume-2 : 5.20 SAN STORAGE	155	Tiering: Should support inbuilt automated tiering feature that migrates the most frequently accessed data to the SSD/RAM. Necessary licenses for configured capacity if required without additional cost	<p>Change To: Tiering: Should support inbuilt automated tiering feature that migrates the most frequently accessed data to the SSD, SAS Drives. Necessary licenses for configured capacity if required without additional cost</p> <p>Tiering moves frequently accessed data from slower performing NLSAS HDD to higher performing SSD and SAS 10K HDD. It does not move the data from Drives to RAM. Request to kindly amend the clause as requested in order to avoid any sub-standard product that may pose threat to GSCL's investments.</p>	Volume 2	Technical Spec.	Refer Corrigendum
256	Volume 2: 5.21: Backup software	156	Support de-duplication at source and at target (disk) on any commodity storage volume. Based on policy backup software should be able to move data to a Tape/Disk library automatically	<p>Requested change: Support de-duplication at source and at target (disk) on any commodity storage volume/proposed disk appliance. Based on policy backup software should be able to move data to a tape/disk library automatically.</p> <p>For backup performance and minimal impact on the production hosts(clients), we request GSCL to incorporate the changes to get the best outcome of the project. General purpose disk will lack backup & restore performance in comparison to a purpose built backup appliance.</p>	Volume 2	Technical Spec.	Refer Corrigendum
257	Volume 2: 5.21: Backup software	156	Should be able to support versioning and should be applicable to individual backed up objects.	<p>Requested change: Should be able to maintain backup copies/versions based on the retention policy. It should be applicable to individual backed up objects/backup jobs.</p> <p>To serve consistent outcome across all data types i.e. file, database, vm, etc. the backup solution must provide granular recoverability of the data based on the user-defined(GSCL) retention policy.</p>	Volume 2	Technical Spec.	Refer Corrigendum

258	Volume-2 : 5.16 : 24 Port L3 Switch (fully loaded)	151	Management : Switch needs to have console port for management via a console terminal or PC . Must have support SNMP v1,v2 and v3 Should support 4 groups of RMON Should have accessibility using Telnet, SSH, Console access, easier software upgrade through network using TFTP etc. Configuration management through CLI/GUI based software utility and using web interface	Change to : Switch needs to have console port for management via a console terminal or PC ,Must have support SNMP v1,v2 and v3 . Should have accessibility using Telnet, SSH, Console access, easier software upgrade through network using TFTP etc. Configuration management through Telemetry and CLI/GUI based software utility Network performance and traffic monitoring has evolved over the years, and its replacement or successor technologies have emerged to address the changing needs of modern networks. Modern network devices support telemetry and streaming data, which provide real-time information about network performance Embedded web server (GUI) is a Security concern and management of switches vide centralized NMS only , hence request to kindly remove the "utility and using web interface " keywords from specifications for wider participation from all the OEMs.	Volume 2	Technical Spec.	Refer Corrigendum
259	Volume 2 : 5.17 : 24 Port Distribution Switch (Fully Loaded Non PoE)	152	24 port switch, 24 port RJ45 (10/100/1000) with uplink	24x 1g SFP ports 4x 10G SFP+ with dedicated Stacking ports Uplink Ports for Connectivity have been added , Request to kindly ammend the clause as requested, for wider participation from all the OEMs.	Volume 2	Technical Spec.	As per RFP
260	Volume 2 : 5.18 : 24 Port PoE Switch	153	5.18 24 Port PoE Switch	24x 1g SFP ports 4x 10G SFP+ with dedicated Stacking ports Uplink Ports for Connectivity have been added , Request to kindly ammend the clause as requested, for wider participation from all the OEMs.	Volume 2	Technical Spec.	As per RFP
261	5.10 Integrated Command and Control Centre(ICC)	100	46. 2. Machine Learning Composer – Visual programming-based environment for building Machine Learning Models and deploying the same	Request to delete clause: ML Composer is usually not part of ICC Platform features and is not required for having AI/ML features in ICC Platform. Request to delete this clause to allow wider participation.	Volume 2	Technical Spec.	As per RFP
262	5.10 Integrated Command and Control Centre(ICC)	100	49 The Platform should be integrated with Building Management System to integrate various building systems through BACNET and Modbus network protocols. 50 The Platform should be integrated with SCADA System to integrate various SCADA	Request to delete clause: These are industrial IoT protocols and OEM Specific and as such not applicable for standard city level platforms and not required for this project. Most of IoT sensor based applications integrate with standard protocols like REST/SOAP API, MQTT, Sockets etc. SCADA integration can also be done via SDK/API.	Volume 2	Technical Spec.	As per RFP
263	5.10 Integrated Command and Control Centre(ICC)	104	123 The Smart City digital platform should be pre-integrated with Big Data based Data Management platform based on Hadoop. 130 The Big Data System should support the latest open-source projects of Apache Hadoop and Spark ecosystems. Should stay up to date with the newest releases of open-source frameworks, including Kafka, HBase and Hive LLAP etc.	Request to delete OEM specific reference of Hadoop. Please allow any Bid Data Backend system.	Volume 2	Technical Spec.	As per RFP
264	5.10 Integrated Command and Control Centre(ICC)		192 Platform should be scalable to incorporate any additional functional requirements (Low Code Tools-like IOTops, ML Composer, Configurable Dashboard) and analysis capabilities.	Request to delete ML Composer from this clause	Volume 2	Technical Spec.	As per RFP
265	5.10 Integrated Command and Control Centre(ICC)	109	219 ML Libraries Notebook 221 Platform should allow user to export models in the standard file formats(Pickle, H5, ONNX) 225 Model Store and Service 226 Platform should allow the user to convert ML model to a bitstream, store it in disk and reloaded at any point of time.	Request to Delete these Clauses: Having AI/ML Capabilities and providing Smart City/Line Department specific usecases, model deployment and results, recommendations are all already covered in previous section. Request to remove these clauses which are OEM Specific and not required for ICC Platform. ICC platform can integrate with many applications and provide AI/ML analytics on top of them without these OEM specific features as well. Deleting this will allow wider participation.	Volume 2	Technical Spec.	As per RFP

266	5.10 Integrated Command and Control Centre(ICCC)	1,10,111	<p>250 IoT Security</p> <p>251 The Platform should set up individual identities and credentials for each of the connected devices and help retain the confidentiality</p> <p>252 The Platform should provide mutual authentication and support encryption at all points of connection, so that data is never exchanged between devices and IoT Platform without a proven identity.</p> <p>254 To ensure the flexibility for the device vendor, the platform should allow the user to create Authentication and Authorization policies based on device profile level, it shall also support the below policies:</p> <p>255 1. Standard Authentication</p> <p>256 2. Custom Authentication</p> <p>257 3. x.509 Certificate based Authentication</p> <p>258 Standard Authentication should comprise of Time-based password for the device to ensure that in case the device gets compromised, it can only utilize the token for the defined time.</p> <p>260 All IoT Device connecting to the IoT Platform shall be secured through strict device Identity Policies and token-based authentication</p> <p>261 The Platform shall Support AES 128, 256 Based Payload Encryption.</p> <p>262 The Platform shall have Per device authorization policies to ensure zero data leak tolerance</p> <p>259 Security - IoT Device Identity Registry</p>	<p>The ICCC Platform integrates various IoT applications along with IT/IOT applications. The IoT Sensors send data through the IoT Applications and sometimes directly the sensors send the data. These specifications of IoT sensor management is not required in the ICCC platform.</p> <p>Request to delete clause: Request to delete them for wider participation.</p>	Volume 2	Technical Spec.	As per RFP
267	5.10 Integrated Command and Control Centre(ICCC)	111	<p>276 Cybersecurity framework and security</p> <p>277 A Cybersecurity framework should be developed aimed at building a secure and resilient application for citizens and stakeholders of Smart City. The framework comprising of policy, procedures, and guidelines should be designed to protect the application and information; build capabilities to prevent and respond to cyberattacks; and minimize damages through cyber-attacks.</p>	<p>Request to delete the Clause: This is usually developed by Smart City SPV and is provided for guidance to all applications. Request to delete this from ICCC Platform Specifications.</p>	Volume 2	Technical Spec.	As per RFP
268	5.10 Integrated Command and Control Centre(ICCC)	113	<p>309 Machine Learning Builder</p> <p>310 ML Composer should provide an environment to build machine learning models through low-code/no-code visual toolkit for developing, deploying, and operating enterprise AI/ML driven applications.</p> <p>311 The system also supports traditional ML models, time series forecasting, and deep learning.</p> <p>312 There shall be a tool for the city administrators to create analytics / predict outcomes, when necessary, the tool provided shall allow the user to develop models for analytics using the necessary data available to the user.</p> <p>313 The Machine Learning Tool should have an easy-to-use, visual interface that gives users the access to data exploration.</p> <p>314 The Machine Learning Tool shall support data input from multiple data Sources for data accumulation.</p> <p>315 The Machine Learning Tool supports ready to use ML Pipeline for prediction, recommendation, optimization, forecasting, Natural Language Processing, Anomaly detection.</p> <p>316 The Machine Learning Tool should support users to choose from multiple Machine Learning Model types like (Not limited to:)</p> <p>317 1. Auto ML: Users can select this option and the system automatically selects the Algorithm based on best accuracy</p> <p>318 2. Manual ML: Users can select Algorithms manually and provide parameters based on the selected Algorithm</p> <p>319 3. Geo ML: Users can select ML Algorithms especially built for Geospatial Data.</p> <p>320 Users can Export files in multiple data formats (CSV, PDF, Excel etc.)</p> <p>321 The Machine Learning Tool shall allow the users to load disparate data sources</p>	<p>Request to Delete these Clauses: Having AI/ML Capabilities and providing Smart City/Line Department specific usecases, model deployment and results, recommendations are all already covered in previous section. Request to remove these clauses which are OEM Specific and not required for ICCC Platform. ICCC platform can integrate with many applications and provide AI/ML analytics on top of them without these OEM specific features as well. Deleting this will allow wider participation.</p>	Volume 2	Technical Spec.	As per RFP
269	5.10 Integrated Command and Control Centre(ICCC)	109	<p>234 GIS Map Support</p>	<p>Request to Add this Clause: Platform should allow map widget to drilldown from one level to next level and allow other related widgets data to be automatically updated based on the selected drilldown level.</p>	Volume 2	Technical Spec.	As per RFP

270	5.10 Integrated Command and Control Centre (ICCC)	116	367 Video Visualization	<p>Request to Add these Clauses as this is Video Based Project:</p> <p>Platform must provide video-wall guarded tour capability where the camera can be grouped together and looped with certain time-intervals basis the settings provided by the user</p> <p>Platform must be capable of stream live video by using webRTC and HLS protocols</p> <p>Platform must be able to consume RTSP stream and show the live video stream over video wall</p> <p>Platform must be able to show the live video from the cameras in a grid-based system in the video wall widget and the user should be able to configure how many rows and columns can be set in a grid with a max of 6x6 grid</p> <p>Video-wall must be able to record the live videos and save the video at the client side</p> <p>Video-wall must provide the selection of from and to date & time range for playback and download of a recorded video. It should provide basic controls of playback speed, play/pause and ability to switch back and forth from playback to live and vice-versa</p> <p>Video-wall must be able to create camera groups with different cameras associated to different groups, with the ability to re-order the cameras in the group</p> <p>Video-wall must be able to select camera names from the datasets directly through internal bridge, and user must be able to search cameras from a group with their names</p>	Volume 2	Technical Spec.	As per RFP
271	Volume-II CCTV		5 MP IP BOX Camera	While Technical Specifications for Box Cameras have been mentioned, no such requirement has been mentioned in the BOQ File. Please advise	Volume 2	Technical Spec.	As per RFP
272	Volume-II 5.10 Integrated Command and Control Centre (ICCC)	15 109	<p>2.4 Geographical Information System (GIS)</p> <p>The integration of GIS layers, such as camera positioning, building structures, and utility resources, can provide real-time, actionable intelligence to operators during an incident. The GIS platform can also be used to monitor and analyze crime patterns and hotspots, allowing for proactive and preventative measures to be taken</p> <p>S.no - 237 Description - It should be possible to visualize all the Assets (Sensor, Devices, Vehicles, Cameras, other city resources) on map</p>	<p>1) We assume that specific facility like Road layer, Utility layer, Building Structure etc, Admin boundary layer, required in project, as base map will be provided by Department/MSI/Vendor, in GIS ready spatial format</p> <p>2) We assume that all the Assets (Sensor, Devices, Vehicles, Cameras, other city resources) and other assets/Sensors, required in project, will be provided by MSI/Vendor, in GIS ready spatial format</p>	Volume 2	Technical Spec.	<p>Required Base maps would be provided by department.</p> <p>All Assets locational and attribute information that are installed as per scope of project shall be provided by MSI / Concrened Vendors</p>
273	Volume-II Clause # 43.3 & 43.4 - Penalties	29	<p>43.3. Maximum Penalty applicable for any quarter shall not exceed 30% of the 'applicable fees' for the respective quarter</p> <p>43.4. Three consecutive quarterly deductions of 30 % of the applicable fee on account of any reasons shall be deemed to be an event of default and termination as per Clause 35 of this Section of RFP respectively and the consequences as provided in Clause 36 of this section of RFP shall follow</p>	<p>We request you to accept:</p> <p>43.3. Maximum Penalty applicable for any quarter shall not exceed 10% of the 'applicable fees' for the respective quarter</p> <p>43.4. Three consecutive quarterly deductions of 10% of the applicable fee on account of any reasons shall be deemed to be an event of default and termination as per Clause 35 of this Section of RFP respectively and the consequences as provided in Clause 36 of this section of RFP shall follow."</p>	Volume 2	Technical Spec.	Refer corrigendum
274	Volume-II, Section # 5 Clause # 5.6 VMD	79 of 236	LED Display Size 3000 X 1500 X 200 mm	As per BOQ File, the size mentioned is (1.9m X 2.8m) which is in contrary to as mentioned in RFP. Please confirm the dimensions to consider	Volume 2	Technical Spec.	Please refer BOQ description
275	Volume-II, Section # 5 Clause # 5.6 VMD	79 of 236	OHSAS 18001:2007	OHSAS 18001:2007 is not applicable now. It has been replaced by ISO 45001:2018. Request you to amend the requirement of Certification to OHSAS 18001:2007 / ISO 45001:2018	Volume 2	Technical Spec.	ISO 45001:2018 is acceptable
276	Volume-II Clause # 5.6 VMD	80 of 236	Material for VMS frame: at least 2mm aluminum or Non-corrosive, water resistant or better. Frame of the VMS is Matte black & Powder coated	Material for VMS Frame - 1.2 mm is normally preferred. Please allow 1.2 mm MS Frame considering the same is Industry Standard	Volume 2	Technical Spec.	1.2 mm is accepted.
277	<p>Volume-II</p> <p>5.10 Integrated Command and Control Centre (ICCC)</p> <p>Should Support Integration with future Applications</p> <p>Parameter - Intelligent Transport System</p> <p>Solid Waste Management System</p>	121	<p># 9 Dashboard Use Cases View the map with the point of interests, live spot for buses, Bus stops</p> <p># 10 Application Use Cases - MAP based visualization of the assets like Vehicle Type, Bin Type, Vehicle Status, Citizen Grievance, Cameras</p> <p># 10 Application Use Cases - Creation of POI's by providing details such as Zone, Ward, POI Name, POI Type, POI Long/Lat, POI Radius, POI Address</p>	We assume that all the required POI's for the project, will be provided by the Department, in GIS ready spatial format	Volume 2	Technical Spec.	<p>Required POI locational information should be collected from department.</p> <p>AND</p> <p>Bidder are open to incorporate POI data freely available in public domain.</p>

278	Volume-II Clause # 5.35 Zero Day Network Threat Protection System	182 of 236	Point No 12. Solution should have inline inspection throughput of 1 Gbps for all kinds of real world traffic, scalable to 5 Gbps in a single device, optionally if required must support Active-Active in HA or Active Passive mode. Point No 43. Number of throughput should be consider: 4Gbps	It has been asked in point no 12 that solution should have inspection throughput of 1 Gbps & Point No 43 asks to consider throughput of 4 Gbps. Both the points are contradicting each other Hence, request to provide clarity on what throughput to consider	Volume 2	Technical Spec.	Solution should have inspection throughput of 1 Gbps
279	Volume-II 5.38 Security Information & Event Management (SIEM)	200 of 236	The proposed solution should allow the creation of an unlimited number of new correlation rules	Request you to modify this to "The Proposed solution should support multiple in-built correlation to detect IOCs and Threats"	Volume 2	Technical Spec.	Please read this clause as below: The Proposed solution should support multiple in-built correlation to detect IOCs and Threats
280	Volume-II Clause # 5.16 24 Port L3 Switch (fully loaded)	151	Management : Switch needs to have console port for management via a console terminal or PC Must have support SNMP v1,v2 and v3 Should support 4 groups of RMON Should have accessibility using Telnet, SSH, Console access, easier software upgrade through network using TFTP etc. Configuration management through CLI/GUI based software utility and	Request you to modify this to: Should support telemetry and streaming data Configuration management through CLI/GUI	Volume 2	Technical Spec.	Refer corrigendum
281	Volume-II Clause # 5.20: SAN Storage	155	Controllers: Minimum dual controllers with symmetric active-active architecture. Each controller shall be configured with minimum 6 core or higher CPU	Request you to modify this to: Controllers: Minimum dual controllers with active-active architecture. Each controller shall be configured with minimum 32 x 2Ghz CPU core or higher	Volume 2	Technical Spec.	Refer corrigendum
282	Volume-II Clause # 5.20: SAN Storage	155	Cache Memory: Should be provided with minimum 768GB Global cache or more.	Request you to modify this to: Cache Memory: Should be provided with minimum 768GB cache or higher	Volume 2	Technical Spec.	Refer corrigendum
283	Volume-II Clause # 5.20: SAN Storage	155	Connectivity: Minimum 2 ports per controller to be provided for host connectivity	Request you to modify this to: Connectivity: Minimum 4 x 32 Gbps FC ports per controller and 4 x 10/25 Gbps ports for SMB, NFS to be provided for host connectivity	Volume 2	Technical Spec.	Refer corrigendum
284	Volume-II Clause # 5.20: SAN Storage	155	Storage subsystem should support 10TB/14TB/18TB or higher NLSAS/SATA/equivalent 7.2K drives in the same device array.	Request you to modify this to: Storage subsystem should support 10TB/12TB/14TB/18TB or higher NLSAS/SATA/equivalent 7.2K drives in the same device array	Volume 2	Technical Spec.	Refer corrigendum
285	Volume-II Clause # 5.20: SAN Storage	155	Multipath: Multi-path & Load balancing should be supported. Unlimited host multipath licenses should be quoted from day one.	Request you to modify this to: Multipath: Multi-path & Load balancing should be supported. Either Unlimited host multipath licenses should be quoted from day one OR the storage system must support native host OS based multipathing.	Volume 2	Technical Spec.	Refer corrigendum
286	Volume-II Clause # 5.20: SAN Storage	155	Tiering: Should support inbuilt automated tiering feature that migrates the most frequently accessed data to the SSD/RAM. Necessary licenses for configured capacity if required without additional cost	Request you to modify this to: Tiering: Should support inbuilt automated tiering feature that migrates the most frequently accessed data to the SSD, SAS Drives. Necessary licenses for configured capacity if required without additional cost	Volume 2	Technical Spec.	Refer corrigendum
287	Volume-II Clause # 5.20: SAN Storage	155	New Clause Request	Request you to add this Clause: Storage must allow Dynamic RAID/Pool to allow minimum one drive addition for the capacity expansion in the existing capacity pool.	Volume 2	Technical Spec.	Refer corrigendum
288	Volume-II Clause # 5.21: Backup software	156	Support de-duplication at source and at target (disk) on any commodity storage volume. Based on policy backup software should be able to move data to a Tape/Disc library automatically	Request you to modify this Clause to: Support de-duplication at source and at target (disk) on any commodity storage volume/proposed disk appliance. Based on policy backup software should be able to move data to a tape/disk library automatically.	Volume 2	Technical Spec.	Refer corrigendum
289	Volume-II Clause # 5.21: Backup software	156	Should be able to support versioning and should be applicable to individual backed up objects.	Request you to modify this Clause to: Should be able to maintain backup copies/versions based on the retention policy. It should be applicable to individual backed up objects/backup jobs.	Volume 2	Technical Spec.	Refer corrigendum
290	Volume-II Clause # 5.21: Backup software	156	New Clause Request	Request you to add this Clause: Must be offered with battery backed up RAM / NVRAM for protection against data loss in power failure scenario and continuous automated file system check to ensure data integrity	Volume 2	Technical Spec.	Refer corrigendum
291	Volume-II Clause # 5.21: Backup software	156	New Clause Request	Request you to add this Clause: The appliance must also prohibit NTP clock tampering to avoid any premature expiration of backup data.	Volume 2	Technical Spec.	Refer corrigendum

292	5.14 INDUSTRIAL GRADE SWITCH(Industrial Grade 8 port switch)	148	The Switch Should be Industrial grade in nature and should have 8x10/100/1000 Base-T PoE+ ports and 4x100/1000 Base-X SFP ports and to be supplied with required module	<p>Please modify the clause as below: "The Switch Should be Industrial grade in nature and should have 8x10/100/1000 Base-T PoE+ capable ports and 4x100/1000 Base-X SFP ports and to be supplied with required module. Switch should have Dual DC Power input of 9.6 to 60VDC with separate Power input terminal. "</p> <p>Justification: All the switches are deployed in the field network within a RING architecture and the maximum interfaces needed here would be only 2 . If one of the link or interface goes down, the traffic can be switches over the other interface. However, if the power input is not redundant, then it will be having more risk. We strongly recommend to go with a switch which will atleast have redundant power inputs available. This clause in its current form is giving an undue advantage to a specific OEM and making the clause restrictive for others.</p>	Volume 2	Technical Spec.	As per RFP
293	5.14 INDUSTRIAL GRADE SWITCH(Industrial Grade 8 port switch)	148	The switch should have minimum switching capacity of 24Gbps.	<p>Please modify the clause as below: "The switch should have minimum switching capacity of 20Gbps.</p> <p>Justification: Due to the same reason as above, the number of interfaces will come down , which will eventually bring down the switch throughput as well.</p>	Volume 2	Technical Spec.	As per RFP
294	5.14 INDUSTRIAL GRADE SWITCH(Industrial Grade 8 port switch)	148	Switch Should support 16K MAC addresses and 4000 VLAN	<p>Please modify the clause as below: Switch Should support 16K MAC addresses and 200 VLANs</p> <p>Justification:An eight port switch can never have the requirement for 4000 vlans , which is definitely not a realistic number. Hence, we strongly recommend to have the clause modified to a more realistic number.</p>	Volume 2	Technical Spec.	As per RFP
295	5.14 INDUSTRIAL GRADE SWITCH(Industrial Grade 8 port switch)	148	Switch should support Jumbo frame, ITU-T G.8032, IEEE 802.1ad, IEEE 802.1Q, IEEE 802.1v, IEEE 802.3ac, IEEE 802.1AX, DHCP Server and Relay for IPv4 and IPv6, DHCP Option 82	<p>Please modify the clause as below: Switch should support Jumbo frame, ITU-T G.8032 or equivalent IEEE 802.1ad, IEEE 802.1Q, IEEE 802.1v, IEEE 802.3ac, IEEE 802.1AX, DHCP Server and Relay for IPv4 and IPv6, DHCP Option 82</p> <p>Justification:Request to modify the clause for wider OEM participation</p>	Volume 2	Technical Spec.	As per RFP
296	5.14 INDUSTRIAL GRADE SWITCH(Industrial Grade 8 port switch)	148	Should support UDLD, Digital Diagnostic monitoring, Port and VLAN mirroring and IEEE 802.1ag or equivalent.	<p>"Please modify the clause as below: Should support UDLD/ Digital Diagnostic monitoring, Port and VLAN mirroring</p> <p>Justification:Request to modify the clause for wider OEM participation</p>	Volume 2	Technical Spec.	As per RFP
297	5.14 INDUSTRIAL GRADE SWITCH(Industrial Grade 8 port switch)	148	Switch should be EN55022, EN55024, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-8, IEC60068-2-31, IEC60068-2-27, IEC60068-2-6 and RoHS.	<p>Please modify the clause as below: Switch should be EN55022/ EN55024, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-8, IEC60068-2-31/IEC60068-2-27, IEC60068-2-6, IEC60068-2-52, IEC60068-2-60 and RoHS.</p> <p>Justification:Not all similar and equivalent certifications are pursued by the OEMs for a specific switch. Further, pls also note that the switchees should have support for the corrosion standards which is mandatory for ruggedized switchees and would be a necessity in environments like Gauhati. Hence, we recommend to modify the clause for wider participation</p>	Volume 2	Technical Spec.	As per RFP
298	5.14 INDUSTRIAL GRADE SWITCH(Industrial Grade 8 port switch)	148	Should support UDLD or equivalent feature to prevent loops on detecting unidirectional links, Connectivity Fault Management, Monitoring Temperature, Supply voltage, Average transmit power, Average receive power and Laser bias current of the FO module, should have feature if any intrusion is detected on fiber link the particular port should be shutdown automatically.	<p>Please modify the clause as below: "Should support UDLD or equivalent feature to prevent loops on detecting unidirectional links, Monitoring Temperature, Supply voltage, Average transmit power, Average receive power and Laser bias current of the FO module, should have feature if any intrusion/broadcast is detected on any of its links, the particular port should be shutdown automatically."</p> <p>Justification:Request to modify the clause for wider OEM participation</p>	Volume 2	Technical Spec.	As per RFP
299	5.14 INDUSTRIAL GRADE SWITCH(Industrial Grade 16 port switch)	149	Clarification query	<p>We do not see any 16 port Rugged switch in the BOQ. Pls clarify if the 16 port switches are mandatory or they need to be provided based on the bidders design and as per requirement basis</p>	Volume 2	Technical Spec.	As per RFP
300	5.14 INDUSTRIAL GRADE SWITCH(Industrial Grade 16 port switch)	149	Recommendation	<p>Based on our prior experiences, we have seen that 24 port rugged switches come in more handy and useful over a 16 port switch. Typically, high-density rugged switchees are needed on major junctions which are very important and critical in nature and hence all the devices deployed in such critical locations should not have and single point of failures. The smaller switches typically do not come with redundant power supply units, while the 24 port switches does. Moreover, the size and shape and the cost of the 24 port switches are pretty much same as the 16 port switches, and hence it becomes more beneficial to use a 24 port switches in such critical junctions. Thus, we strongly recommend to replace the 16 port switchees with 24 port switchees, so that GSCL gets the maximum benefit and ROI at the same cost</p>	Volume 2	Technical Spec.	As per RFP

301	5.14 INDUSTRIAL GRADE SWITCH(Industrial Grade 16 port switch)	149	Switch Should support 16K MAC addresses and 4000 VLAN	<p>Please modify the clause as below: Switch Should support 16K MAC addresses and 200 VLANs</p> <p>Justification:A 16/24 port switch can never have the requirement for 4000 vlans , which is definitely not a realistic number. Hence, we strongly recommend to have the clause modified to a more realistic number.</p>	Volume 2	Technical Spec.	As per RFP
302	5.14 INDUSTRIAL GRADE SWITCH(Industrial Grade 16 port switch)	149	Switch should support Jumbo frame, ITU-T G.8032, IEEE 802.1ad, IEEE 802.1Q, IEEE 802.1v, IEEE 802.3ac, IEEE 802.1AX, DHCP Server and Relay for IPv4 and IPv6, DHCP Option 82	<p>Please modify the clause as below: Switch should support Jumbo frame, ITU-T G.8032 or equivalent IEEE 802.1ad, IEEE 802.1Q, IEEE 802.1v, IEEE 802.3ac, IEEE 802.1AX, DHCP Server and Relay for IPv4 and IPv6, DHCP Option 82</p> <p>Justification:Request to modify the clause for wider OEM participation</p>	Volume 2	Technical Spec.	As per RFP
303	5.14 INDUSTRIAL GRADE SWITCH(Industrial Grade 16 port switch)	149	Should support UDLD, Digital Diagnostic monitoring, Port and VLAN mirroring and IEEE 802.1ag or equivalent.	<p>"Please modify the clause as below: Should support UDLD/ Digital Diagnostic monitoring, Port and VLAN mirroring</p> <p>Justification:Request to modify the clause for wider OEM participation</p>	Volume 2	Technical Spec.	As per RFP
304	5.14 INDUSTRIAL GRADE SWITCH(Industrial Grade 16 port switch)	149	The switch should have internal/external (DIN rail mountable) AC power supply.	<p>"Please modify the clause as below: The switch should have internal/external AC power supply.</p> <p>Justification:Request to modify the clause for wider OEM participation</p>	Volume 2	Technical Spec.	As per RFP
305	5.14 INDUSTRIAL GRADE SWITCH(Industrial Grade 16 port switch)	149	Switch should be EN55022, EN55024, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-8, IEC60068-2-31, IEC60068-2-27, IEC60068-2-6 and RoHS.	<p>Please modify the clause as below: Switch should be EN55022/ EN55024, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-8, IEC60068-2-31/IEC60068-2-27, IEC60068-2-6, IEC60068-2-52, IEC60068-2-60 and RoHS.</p> <p>Justification:Not all similar and equivalent certifications are pursued by the OEMs for a specific switch. Further, pls also note that the swithces should have support for the corrosion standards which is mandatory for ruggedized swithces and would be a necessity in environments like Gauhati. Hence, we recommend to modify the clause for wider participation</p>	Volume 2	Technical Spec.	As per RFP
306	5.14 INDUSTRIAL GRADE SWITCH(Industrial Grade 16 port switch)	149	Should support UDLD or equivalent feature to prevent loops on detecting unidirectional links, Connectivity Fault Management, Monitoring Temperature, Supply voltage, Average transmit power, Average receive power and Laser bias current of the FO module, should have feature if any intrusion is detected on fiber link the particular port should be shutdown automatically.	<p>Please modify the clause as below: "Should support UDLD or equivalent feature to prevent loops on detecting unidirectional links, Monitoring Temperature, Supply voltage, Average transmit power, Average receive power and Laser bias current of the FO module, should have feature if any intrusion/broadcast is detected on any of its links, the particular port should be shutdown automatically."</p> <p>Justification:Request to modify the clause for wider OEM participation</p>	Volume 2	Technical Spec.	As per RFP
307	5.15 Internet Router & Core Router(Internet & Core Router)	150	Must support minimum 2* 10G Port with necessary SFP+ Modules (UTP or Fiber as per bidder design. Fully loaded). Must have capability to interface with variety interfaces.	<p>Please modify the clause as below: "Must support minimum 2* 10G Port with necessary SFP+ Modules (UTP or Fiber as per bidder design. Fully loaded). Must have capability to terminate variety of connectivity options like serial high-speed WAN , Channelized T1/E1 and ISDN PRI, multiflex trunk link for voice/clear-channel data , LTE connectivity and POE/POE+ LAN interfaces etc. The device should also have atleast 2 free modules for accomodating any future connectivity requirement."</p> <p>Justification: Since the smartcity backbone is dependent on service provider links, it is always better to have a link termination router which has the capability to terminate various types of connectivity options. This will ensure a strong ROI for GSCL in the long run.</p>	Volume 2	Technical Spec.	As per RFP
308	5.15 Internet Router & Core Router(Internet & Core Router)	150	Redundancy in terms of Power supply(s). Power supply should be able to support fully loaded chassis	<p>Please clarify if the redundant power supply is needed from Day 1</p>	Volume 2	Technical Spec.	As per RFP
309	5.16 24 Port L3 Switch(24 Port L3 Switch)	151	Switching capacity of min. 40 Gbps or better and equivalent or better packet forwarding rate (Mbps)	<p>Please modify the clause as below: "Switching capacity of min. 480 Gbps or better and equivalent or better packet forwarding rate (Mbps)"</p> <p>Justification: Since all the swithes available in the market are line rate, hence a 24*10G switch cannot have a switching capacity of 40 Gbps. It should be minimum 480Gbps.Hence, we strongly recommend to modify the clause to bring the throughput to a realistic number.</p>	Volume 2	Technical Spec.	As per RFP

310	5.17 24 Port Distribution Switch (Fully Loaded Non PoE)(24 Port Distribution Switch)	152	24 port switch, 24 port RJ45 (10/100/1000) with uplink	Please clarify on the type and qty of uplink interfaces needed	Volume 2	Technical Spec.	As per RFP
311	5.17 24 Port Distribution Switch (Fully Loaded Non PoE)(24 Port Distribution Switch)	152	Packet Forwarding Rate should be 40 Mbps or better Switching capacity of min. 40 Gbps or better	"Please modify the clause as below: "Packet Forwarding Rate should be 40 Mpps or better Switching capacity of min. 48 Gbps or better" Justification: Since all the swithes available in the market are line rate, hence a 24*1G switch cannot have a switching capacity of 40 Gbps. It should be minimum 48 Gbps.Hence, we strongly recommend to modify the clause to bring the throughput to a realistic number."	Volume 2	Technical Spec.	As per RFP
312	5.17 24 Port Distribution Switch (Fully Loaded Non PoE)(24 Port Distribution Switch)	152	Switch should support VLAN, Port based VLAN, 802.1Q tag based VLAN, MAC based VLAN, Protocol based VLAN, Management VLAN, Private VLAN Edge (PVE), Q in Q (double tag) VLAN, GARP VLAN Registration Protocol (GVRP) for propagating VLAN	"Please modify the clause as below: "Switch should support VLAN, Port based VLAN, 802.1Q tag based VLAN, MAC based VLAN /Protocol based VLAN, Management VLAN, Private VLAN Edge (PVE),GARP VLAN Registration Protocol (GVRP) for propagating VLAN or any equivalent protocols. Justification: QinQ is a protocol needed in an ISP environment or Metro-E environment. However, this is not the case in this RFP. This switch would be used inside the command and control centre and hence, such protocols will never be needed. We strongly recommend to remove such unwanted protcols which will be providing an undue commercial advantage to a specific OEM and will be restrictive for other OEMs	Volume 2	Technical Spec.	As per RFP
313	5.32 Next Generation Perimeter Firewall(Perimeter NGFW)	169	Proposed Firewall should not be proprietary ASIC based in nature & should be multi-core CPU's based architecture to protect latest security threats	Please modify the clause as below: Proposed Firewall should have ASIC or x86 based CPU in nature & should be multi-core CPU's based architecture to protect latest security threats Justification: Please consider the changes to allow all the major vendors to participate and provide you with the best solution	Volume 2	Technical Spec.	As per RFP
314	5.32 Next Generation Perimeter Firewall(Perimeter NGFW)	169	Appliance must have one Console port, dedicated one management Port, two USB port and redundant power supply.	Please modify the clause as below: Appliance must have one Console port, dedicated one management Port, one USB port and redundantpower supply. Justification: The suggested clause does not changes any functional requirement	Volume 2	Technical Spec.	As per RFP
315	5.32 Next Generation Perimeter Firewall(Perimeter NGFW)	169	The device should have 8 x 1G Copper ports, 4 x 10G (Cu), 4 x 10G SFP+ ports from day one. The device should be upgradable to 8 x 1G Cu ports, 2 x 40G and 8 x 10G/25G in the same chassis in future.	Please modify the clause as below: The device should have 8 x 1G Copper ports, 8 x 10G/25 SFP+ ports from day one. The device should be upgradable to 4 X 40-Gb QSFP+ in the same chassis in future. Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.	Volume 2	Technical Spec.	As per RFP
316	5.32 Next Generation Perimeter Firewall(Perimeter NGFW)	169	Appliance should have minimum 1 TB (SSD) Built in Storage from day 1.	Please modify the clause as below: Appliance should have minimum 900 GB (SSD) Built in Storage from day 1. Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.	Volume 2	Technical Spec.	As per RFP
317	5.32 Next Generation Perimeter Firewall(Perimeter NGFW)	169	The device should have Concurrent Sessions: 8 Million or higher & New connection/Sec: 200,000 or higher	Please modify the clause as below: The device should have Concurrent Sessions: 8 Million L3/L4 or 6 million L7 sessions or higher & New connection/Sec: 200,000 or higher Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.	Volume 2	Technical Spec.	As per RFP
318	5.32 Next Generation Perimeter Firewall(Perimeter NGFW)	169	Firewall Should support at least 8 Gbps or more TLS/SSL inspection & decryption throughput and support 1000 SSL VPN clients. The appliance should have 500,000 SSL DPI connections.	Please modify the clause as below: Firewall Should support at least 8 Gbps or more TLS/SSL inspection & decryption throughput and support 1000 SSL VPN clients. The appliance should support the required users as per the current environment. Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.	Volume 2	Technical Spec.	As per RFP
319	5.32 Next Generation Perimeter Firewall(Perimeter NGFW)	170	Should support Zero-Touch registration & provisioning using mobile App	Please modify the clause as below: Should support Zero-Touch registration with central manager or provisioning using mobile App . Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.	Volume 2	Technical Spec.	As per RFP

320	5.32 Next Generation Perimeter Firewall(Perimeter NGFW)	172	Firewall must have integrated IPS shall be able to scan packet payloads for vulnerabilities and exploits, covering a broad spectrum of attacks and vulnerabilities. Should have at least 5000 IPS Signatures or 20K DPI signatures and 50 million Could AV signatures.	Please modify the clause as below: Firewall must have integrated IPS shall be able to scan packet payloads for vulnerabilities and exploits, covering a broad spectrum of attacks and vulnerabilities. Should have at least 30,000 IPS Signatures or 20K DPI signatures or 50 million AV signatures. Justification: The more no. of IPS signatures the solution has , it will help the organisation detect threats faster.	Volume 2	Technical Spec.	As per RFP
321	5.32 Next Generation Perimeter Firewall(Perimeter NGFW)	172	Should provide complete protection by performing full decryption and inspection of TLS/SSL and SSH encrypted connections regardless of port or protocol	Please modify the clause as below: Should provide complete protection by performing full decryption and inspection of TLS/SSL encrypted connections regardless of port or protocol Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.	Volume 2	Technical Spec.	As per RFP
322	5.32 Next Generation Perimeter Firewall(Perimeter NGFW)	172	It should have 12,000 files per hour for Threat lookup throughput and min 300 files per hour for Dynamic Analysis throughput. VMs supported should be Windows 7 32/64, Linux 64. It should have 2 x 1TB SSD storage and 6 x 1Ge interfaces, 2 x 10G SFP+ interfaces and a dedicated management port.	The solution should provide cloud based sandboxing for detecting zero day threats Justification: The solution asked in the below specs are specific to cloud based sandbox . Please consider the changes	Volume 2	Technical Spec.	As per RFP
323	5.32 Next Generation Perimeter Firewall(Perimeter NGFW)	173	Should support both for analysis of a broad range of file types, either individually or as a group, including executable programs (PE), DLL, PDFs, MS Office documents, archives, JAR, and APK plus multiple operating systems including Windows, Android, Mac OS X and multi-browser environments.	Please modify the clause as below: Should support both for analysis of a broad range of file types, either individually or as a group, including executable programs (PE), DLL, PDFs, MS Office documents, archives, JAR etc. Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.	Volume 2	Technical Spec.	As per RFP
324	5.32 Next Generation Perimeter Firewall(Perimeter NGFW)	173	Should have ability to prevent potentially malicious files from entering the network and those files sent to the sandbox for analysis to be held at the gateway until a verdict is determined	Please modify the clause as below: Should have ability to detect potentially malicious files from entering the network and those files sent to the sandbox for analysis to be tracked for disposition to understand if a file changes its behaviour over time. Justification: Please consider the suggested changes as holding the file affects the overall performance of the appliance and increases latency in the network	Volume 2	Technical Spec.	As per RFP
325	5.32 Next Generation Perimeter Firewall(Perimeter NGFW)	174	The on prem Centralize management platform should support closed network deployment with High Availability & 2FA via mail/MS/Google authenticator	Please modify the clause as below: The on prem Centralize management platform should support closed network deployment with High Availability & 2FA via mail/MS/Google authenticator/ Duo Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.	Volume 2	Technical Spec.	As per RFP
326	5.32 Next Generation Perimeter Firewall(Perimeter NGFW)	175	The Firewall solution offered must be ICSA certified for Network Firewall, Anti-virus or Common Criteria NDPP (Firewall and IPS) – Certification	Please modify the clause as below: The Firewall solution offered must be Common Criteria Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need	Volume 2	Technical Spec.	As per RFP
327	5.32 Next Generation Perimeter Firewall(Perimeter NGFW)	175	The Firewall OEM should be having "recommended rating" by NSS Labs for consecutive three years in the last six years. OEM should have scored minimum 97% in Exploit Block rate in the last NSS Lab for NGFW report (2019).	Please modify the clause as below: The Firewall OEM should be having "recommended rating" by NSS Labs for consecutive three years in the last six years. OEM should have scored minimum 97% in Exploit Block rate in the last NSS Lab for NGFW report (2019) or should be named Best Next Generation Firewall by SE Labs 2023 Annual Security Report Justification: Please consider the changes as we all know that NSS lab is now shut down and the parameters do not stand relevant in todays world.	Volume 2	Technical Spec.	As per RFP
328	5.33 Next Generation Core Firewall(Core NGFW)	175	Firewall should be ICSA Labs Certified	Please modify the clause as below: The Firewall OEM should be having "recommended rating" by NSS Labs for consecutive three years in the last six years. OEM should have scored minimum 97% in Exploit Block rate in the last NSS Lab for NGFW report (2019) or should be named Best Next Generation Firewall by SE Labs 2023 Annual Security Report Justification: Please consider the suggested changes for wider OEM participation	Volume 2	Technical Spec.	As per RFP
329	5.33 Next Generation Core Firewall(Core NGFW)	175	Proposed solution should come from firewall appliance family which has more than 10 years of ICSA labs certification	Please remove the clause Justification: The asked parameters are specific to a vendor and is highly restrictive for leading OEMs like CISCO	Volume 2	Technical Spec.	As per RFP

330	5.33 Next Generation Core Firewall(Core NGFW)	176	Minimum internal storage 1000 GB SSD for detailed graphical Logs & Reports on Appliance	<p>Please modify the clause as below: Appliance should have minimum 900 GB (SSD) Built in Storage from day 1.</p> <p>Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.</p>	Volume 2	Technical Spec.	As per RFP
331	5.33 Next Generation Core Firewall(Core NGFW)	176	Proposed solution should have open standard multicore processor based architecture and not proprietary ASIC based architecture	<p>Please modify the clause as below: Proposed Firewall should have ASIC or x86 based CPU in nature & should be multi-core CPU's based architecture to protect latest security threats.</p> <p>Justification: Please consider the changes to allow all the major vendors to participate and provide you with the best solution</p>	Volume 2	Technical Spec.	As per RFP
332	5.33 Next Generation Core Firewall(Core NGFW)	176	6 or Higher Expansion Slot for Future Expansion (1G Copper / 1G SFP / 10G SFP+/ 40G QSFP+)	<p>Please modify the clause as below: The solution should provide the capability to add 4 X 40G interfaces in the future</p> <p>Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.</p>	Volume 2	Technical Spec.	As per RFP
333	5.33 Next Generation Core Firewall(Core NGFW)	176	Concurrent Sessions -30000000 or Higher	<p>Concurrent Sessions -30000000 or Higher L3/L4 or 6 million L7 from day one</p> <p>Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.</p>	Volume 2	Technical Spec.	As per RFP
334	5.33 Next Generation Core Firewall(Core NGFW)	176	New Sessions/second - 300000 or Higher	<p>New Sessions/second - 300000 or Higher L3/L4 or 200,000 L7 from day one</p> <p>Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.</p>	Volume 2	Technical Spec.	As per RFP
335	5.33 Next Generation Core Firewall(Core NGFW)	176	Firewall Throughput - 70 Gbps or Higher	<p>Firewall Throughput - 70 Gbps or Higher L3/L4 or 38 Gbps L7 from day one</p> <p>Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.</p>	Volume 2	Technical Spec.	As per RFP
336	5.33 Next Generation Core Firewall(Core NGFW)	176	Firewall IMIX Throughput - 32 Gbps or Higher	<p>Firewall Throughput with Firewall , Application Control and IPS - 32 Gbps or Higher</p> <p>Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.</p>	Volume 2	Technical Spec.	As per RFP
337	5.33 Next Generation Core Firewall(Core NGFW)	176	The firewall should be able to support deployment in transparent mode , Bridge mode, layer 3 transparent proxy mode	<p>The firewall should be able to support deployment in transparent mode , Bridge mode/layer 3 transparent proxy mode</p> <p>Justification: Please consider the changes as Bridge and transparent mode are used interchangeably</p>	Volume 2	Technical Spec.	As per RFP
338	5.33 Next Generation Core Firewall(Core NGFW)	176	Minimum 20 perpetual Virtual Firewall licenses to be provided with the solution. Scalable upto 25.	<p>Please remove the clause.</p> <p>Justification: Considering the throughput and use cases . The asked clause does not add value to the overall solution</p>	Volume 2	Technical Spec.	As per RFP
339	5.33 Next Generation Core Firewall(Core NGFW)	176	The proposed system must provide inbuilt PPPoE client and should be capable to automatically update all required configuration (NAT Policies, VPN Configuration, Firewall Rules) whenever PPPoE IP get changed	<p>The proposed system must provide capabilities to configure static and dynamic Ip on the network interface when connecting over Internet</p> <p>Justification: PPPoE does not add value in todays world where everyone is moving towards static and dynamic ip based internet</p>	Volume 2	Technical Spec.	As per RFP
340	5.33 Next Generation Core Firewall(Core NGFW)	177	Should have Role based and multi factor authorization for Administration	<p>Should have Role based and should support integration with multi factor authorization for Administration</p> <p>Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.</p>	Volume 2	Technical Spec.	As per RFP
341	5.33 Next Generation Core Firewall(Core NGFW)	177	The Proposed solution should have an option to provide complete policy enforcement and visibility of roaming users and should restrict the remote user from disabling it	<p>The Proposed solution should have an option to provide complete policy enforcement and visibility of roaming users and should integrate with 2FA solution.</p> <p>Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.</p>	Volume 2	Technical Spec.	As per RFP
342	5.33 Next Generation Core Firewall(Core NGFW)	177	Should support HTTPS transparent proxy	<p>Please remove the clause.</p> <p>Justification: Typically a firewall will not provide the required capability</p>	Volume 2	Technical Spec.	As per RFP
343	5.33 Next Generation Core Firewall(Core NGFW)	177	The proposed system should support browsing proxy and gateway mode simultaneously	<p>The proposed system should support browsing with gateway mode</p> <p>Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.</p>	Volume 2	Technical Spec.	As per RFP

344	5.33 Next Generation Core Firewall(Core NGFW)	179	Should support logging on the Next Generation Firewall appliance only and should not require additional Hardware or Software for Logging. It should provide various kinds of reports like virus reports, URL filtering reports, Top visited websites, Systems infected by Spywares, User or IP wise download for the day. It should have graphical reports of usages ISP wise, Application wise and IP wise.	Should support logging on the Next Generation Firewall appliance only and also on firewall manager to provide various kinds of reports like virus reports, URL filtering reports, Top visited websites, Systems infected by Spywares, User or IP wise download for the day. It should have graphical reports of usages ISP wise, Application wise and IP wise. Justification: The manager helps keep the logs for a longer period of time	Volume 2	Technical Spec.	As per RFP
345	5.34 Next Generation Firewall for Viewing Station (Viewing Station NGFW)	179	Firewall should be ICSA Labs Certified	The Firewall OEM should be having "recommended rating" by NSS Labs for consecutive three years in the last six years. OEM should have scored minimum 97% in Exploit Block rate in the last NSS Lab for NGFW report (2019) or should be named Best Next Generation Firewall by SE Labs 2023 Annual Security Report Justification: Please consider the suggested changes for wider OEM participation	Volume 2	Technical Spec.	As per RFP
346	5.34 Next Generation Firewall for Viewing Station (Viewing Station NGFW)	179	Proposed solution should come from firewall appliance family which has more than 10 years of ICSA labs certification	Please remove the clause Justification: The asked parameters are specific to a vendor	Volume 2	Technical Spec.	As per RFP
347	5.34 Next Generation Firewall for Viewing Station (Viewing Station NGFW)	179	Proposed solution should have open standard multicore processor based architecture and not proprietary ASIC based architecture	Proposed Firewall should have ASIC or x86 based CPU in nature & should be multi-core CPU's based architecture to protect latest security threats Justification: Please consider the changes to allow all the major vendors to participate and provide you with the best solution	Volume 2	Technical Spec.	As per RFP
348	5.34 Next Generation Firewall for Viewing Station (Viewing Station NGFW)	179	2/3 x USB 2.0/3.0 port and 1 system console port (RJ45/MicroUSB/USB)	1/2/3 x USB 2.0/3.0 port and 1 system console port (RJ45/MicroUSB/USB) Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.	Volume 2	Technical Spec.	As per RFP
349	5.34 Next Generation Firewall for Viewing Station (Viewing Station NGFW)	179	Concurrent Sessions – 6350000 or Higher	Concurrent Sessions – 6350000 L3/ L4 or 2 million L7 Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.	Volume 2	Technical Spec.	As per RFP
350	5.34 Next Generation Firewall for Viewing Station (Viewing Station NGFW)	179	New Sessions/second – 120000 or Higher	New Sessions/second – 120000 L3/L4 or 130,000 L7 Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.	Volume 2	Technical Spec.	As per RFP
351	5.34 Next Generation Firewall for Viewing Station (Viewing Station NGFW)	180	The firewall should be able to support deployment in Bridge mode, layer 3 transparent proxy mode	The firewall should be able to support deployment in transparent mode , Bridge mode/layer 3 transparent proxy mode Justification: Please consider the changes as Bridge and transparent mode are used interchangeably	Volume 2	Technical Spec.	As per RFP
352	5.34 Next Generation Firewall for Viewing Station (Viewing Station NGFW)	180	The Proposed solution should have an option to provide complete policy enforcement and visibility of roaming users and should restrict the remote user from disabling it.	The Proposed solution should have an option to provide complete policy enforcement and visibility of roaming users and should integrate with 2FA solution Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need	Volume 2	Technical Spec.	As per RFP

353	5.34 Next Generation Firewall for Viewing Station (Viewing Station NGFW)	180	Should support HTTPS transparent proxy	Please remove the clause Justification: Typically a firewall will not provide the required capability	Volume 2	Technical Spec.	As per RFP
354	5.34 Next Generation Firewall for Viewing Station (Viewing Station NGFW)	180	The proposed system should support browsing proxy and gateway mode simultaneously	The proposed system should support browsing with gateway mode Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.	Volume 2	Technical Spec.	As per RFP
355	5.34 Next Generation Firewall for Viewing Station (Viewing Station NGFW)	182	The proposed solution should have DLP reporting for cloud client	Please help us understand the expectation here	Volume 2	Technical Spec.	As per RFP
356	5.34 Next Generation Firewall for Viewing Station (Viewing Station NGFW)	182	Should support logging on the Next Generation Firewall appliance only and should not require additional Hardware or Software for Logging. It should provide various kinds of reports like virus reports, URL filtering reports, Top visited websites, Systems infected by Spywares, User or IP wise download for the day. It should have graphical reports of usages ISP wise, Application wise and IP wise.	Should support logging on the Next Generation Firewall appliance only and also on firewall manager to provide various kinds of reports like virus reports, URL filtering reports, Top visited websites, Systems infected by Spywares, User or IP wise download for the day. It should have graphical reports of usages ISP wise, Application wise and IP wise. Justification: The manager helps keep the logs for a longer period of time	Volume 2	Technical Spec.	As per RFP
357	5.34 Next Generation Firewall for Viewing Station (Viewing Station NGFW)	182	The product shall have Indian Standard, IC3S/Common Criteria (provided by STQC in India common-criteria- certification-0) or Alternatively from International equivalents, NDPP or NSS or ICSALabs, at least one of them should be provided while bidding.	The Firewall solution offered must be Common Criteria Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.	Volume 2	Technical Spec.	As per RFP
358	5.35 Zero Day Network Threat Protection System (Zero Day threat Protection)	183	Proposed solution should have 2 TB in RAID 1 of on box storage from day one with a scalability of 8 TB and should be able to run at least 30 parallel sandboxes images scalable up to 60 for analysis of payload	Proposed solution should have 2 TB in RAID 1 of on box storage from day one with a scalability of 8 TB	Volume 2	Technical Spec.	As per RFP
359	5.35 Zero Day Network Threat Protection System (Zero Day threat Protection)	183	Customized sandbox solution should support following operating systems (Windows 7, Win8/8.1, Win 10, Windows Server 2008, 2012, 2016 and 2019) and able to inspect threats for Linux, Mac & Mobile OS Malwares. Solution must have the capability to analyse large files more than 40 MB file size.	Customized sandbox solution should support following operating systems Windows 7, Win 10 and should be able to inspect threats for Malwares. Solution must have the capability to analyse large files more than 40 MB file size.	Volume 2	Technical Spec.	As per RFP
360	5.35 Zero Day Network Threat Protection System (Zero Day threat Protection)	183	Solution should support third part VA scanners (Qualys, Foundstone, Nessus) to fine tune the policies for zero day threat protection against vulnerabilities.	Solution should support third part VA scanners (Qualys, Foundstone, Nessus, Nmap) to fine tune the policies for zero day threat protection against vulnerabilities.	Volume 2	Technical Spec.	As per RFP

361	5.35 Zero Day Network Threat Protection System(Zero Day threat Protection)	183	Must have minimum 4 x 10G monitoring interface (with SFP - SR modules) and 4 X 1 GE with fail-open capability and latency on network inline device must be <60 microseconds	Must have minimum 4 x 10G monitoring interface (with SFP - SR modules) and 4 X 1 GE with fail-open capability. Justification: Latency is something which depends on various parameters like hardware , interfaces etc.	Volume 2	Technical Spec.	As per RFP
362	5.35 Zero Day Network Threat Protection System(Zero Day threat Protection)	184	Solution must be capable of performing multiple file format analysis which includes but not limited to the following: LNK, Microsoft objects, pdf, exe files, compressed files, .chm, .swf, .jpg, .dll, .sys, .com, .hwp, .js, .jse, .ps1, .vbe, .vbs, .hta, cmd, .bat, .htm, .hta, .xdp and solution should have an built-in document vulnerabilities detection engine to assure analysis precision and analysis efficiency.	Solution must be capable of performing multiple file format analysis which includes but not limited to the following: .BAT - Batch files .CHM - Compiled HTML Help - Microsoft Compiled HTML Help .DLL - See: PE32 and PE32+ .ISO - ISO image files .HTA - HTML Application .HWP, .HWT, .HWPX - Available on the win7-x64-kr VM only (specific to Hancorn Office) .JAR - Java Archives .JS - JavaScript .JSE - Encoded JavaScript .JTD, .JTT, .JTDC, .JTTC: Available on the win7-x64-jp VM only (specific to Ichitaro) .LNK - Windows shortcut files .MSI - Microsoft Installer files .MHTML - Mime HTML Files Microsoft Office Documents, including .DOC, .DOCX, .RTF, .XLS, .XLSX, .PPT, .PPTX PDF - Portable Document Format (detailed static forensics, including JavaScript resources) PE32 Files and Executables (.EXE) Libraries (.DLL) .PE32+ files - Available on the win7-x64 VM only Executable (.EXE) Libraries (.DLL) .PS1 - PowerShell .SWF - Flash Files URLs (As Internet Shortcut file, or submit the URL directly. Detailed static forensics or JavaScript resources.) .VBE - Encoded Visual Basic .VBN - Virus Bin - See .ZIP .VBS - Visual Basic Script .WSF - Windows Script File XML and XML Based Office Document Types (.DOCX, .XLSX, .PPTX) XML - Extensible Markup Language (.XML), An XML that is from Office will be opened in the corresponding program (Office 2003). All other XML will be	Volume 2	Technical Spec.	As per RFP
363	5.35 Zero Day Network Threat Protection System(Zero Day threat Protection)	184	The proposed solution should have capability to include User-defined and context-derived passwords for protected archives.	Please remove the clause as it is restrictive and specific to a vendor	Volume 2	Technical Spec.	As per RFP
364	5.35 Zero Day Network Threat Protection System(Zero Day threat Protection)	184	Should have minimum 25 million legitimate concurrent Sessions and 400,000 new Connections per second from day one & should have at least security effectiveness rate 99 % as per 2017 NSS Labs Breach Prevention report	Please remove the clause as it is restrictive and specific to a vendor	Volume 2	Technical Spec.	As per RFP
365	5.35 Zero Day Network Threat Protection System(Zero Day threat Protection)	185	Solution should allow admin to define custom threat intelligence by importing/exporting YARA rules and should allow users to define custom threat intelligence by importing/exporting STIX.	Solution should allow admin to define custom threat intelligence by importing/exporting YARA rules/ SNORT rules and should allow users to define custom threat intelligence by importing/exporting STIX. Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.	Volume 2	Technical Spec.	As per RFP
366	5.35 Zero Day Network Threat Protection System(Zero Day threat Protection)	185	Solution must have ability to export threat intelligence thru Data Exchange Layer (DXL) communication fabric that connects and optimizes security actions across multiple vendor products	Solution must have ability to export threat intelligence thru Data Exchange Layer (DXL) / IPFIX communication fabric that connects and optimizes security actions across multiple vendor products Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.	Volume 2	Technical Spec.	As per RFP
367	5.35 Zero Day Network Threat Protection System(Zero Day threat Protection)	186	Number VMs should be consider :20	Please remove the clause as it is restrictive and specific to a vendor	Volume 2	Technical Spec.	As per RFP

368	5.36 Next Generation Anti-Virus and Endpoint Detection & Response(Antivirus & EDR)	186	The footprint of the overall solution at the endpoint must be very light in terms of Memory, Hard disk usage and CPU. The entire endpoint software should be single agent software deployed with all features and functions of NGAV, EDR, Threat Hunting, IT Hygiene, Vulnerability Management and Device Control and do not require any agent or software update to enable or disable these modules. Agent footprint must be under 70MB memory and 1-2% CPU.	The footprint of the overall solution at the endpoint must be very light in terms of Memory, Hard disk usage and CPU. The entire endpoint software should be single agent software deployed with all features and functions of NGAV, EDR, Threat Hunting, IT Hygiene, Vulnerability Management and Device Control and do not require any agent or software update to enable or disable these modules. Agent footprint must be minimum such that it does not affect the overall productivity of the user. Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.	Volume 2	Technical Spec.	As per RFP
369	5.36 Next Generation Anti-Virus and Endpoint Detection & Response(Antivirus & EDR)	186	The proposed solution should be in Leaders Quadrant of Gartner End Point Protection Platform and Forester Wave EDR for last two years	Please remove the clause as it is restrictive and specific to a vendor	Volume 2	Technical Spec.	As per RFP
370	5.36 Next Generation Anti-Virus and Endpoint Detection & Response(Antivirus & EDR)	187	Solution should provide full remote remediation capabilities from the management console even for roaming users on public network (eg. delete registry, file, push or pull file/package, execute commands and powershell script, etc)	Solution should provide full remote remediation or similar capabilities capabilities from the management console even for roaming users on public network (e.g. delete registry etc, execute commands etc) Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.	Volume 2	Technical Spec.	As per RFP
371	5.36 Next Generation Anti-Virus and Endpoint Detection & Response(Antivirus & EDR)	188	The proposed solution should be able to track more than 130+ adversary groups. The details of adversary and TTP should be available in the management portal along with their other well-known names in the community like APT28 is also known as Fancy Bear, Sofacy, Tsar Team, Sednit.	The proposed solution should be able to provide capabilities to detect and prevent attacks specific to targeted attacks from various APT groups Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.	Volume 2	Technical Spec.	As per RFP
372	5.36 Next Generation Anti-Virus and Endpoint Detection & Response(Antivirus & EDR)	188	The Management Portal should provide capability to filter threat actor information based on Origin, Target Country, Target Industry & Actor Motivations.	The proposed solution should be able to provide capabilities to detect and prevent attacks specific to targeted attacks from various APT groups Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.	Volume 2	Technical Spec.	As per RFP
373	5.36 Next Generation Anti-Virus and Endpoint Detection & Response(Antivirus & EDR)	188	The EPP solution must provide visibility of * When the local admin passwords last reset happened. * User logging as Domain Administrator or with Local Admin Rights. * User Login Interactive, Terminal service and Service Account. * Assets visibility of host with no endpoint security agent. * Rouge devices in network (printer, camera's, network devices) in network. * Application Inventory with hash and version organisation wide or specific endpoint	The EPP solution must integrate with NAC and other security tools in the network to provide visibility of * When the local admin passwords last reset happened. * User logging as Domain Administrator or with Local Admin Rights. * User Login Interactive, Terminal service and Service Account. * Assets visibility of host with no endpoint security agent. * Rouge devices in network (printer, camera's, network devices) in network. * Application Inventory with hash and version organisation wide or specific endpoint Justification: The suggested clause does not changes any functional requirement. The suggested changes should be able to suffice the need.	Volume 2	Technical Spec.	As per RFP
374	5.36 Next Generation Anti-Virus and Endpoint Detection & Response(Antivirus & EDR)	188	Solution should include 24/7 managed threat hunting as an additional service from the OEM. Threat hunters should have minimum 8+ years of threat hunting experience	Please help us provide detailed expectation into the MDR services required from the OEM	Volume 2	Technical Spec.	As per RFP
375	IP Telephony System Architecture (IP Telephony System)	135	The system must be capable of supporting Analog, Digital & IP Telephones, and SIP based video desk phones.	The system must be capable of supporting Analog, & IP Telephones, and SIP based video desk phones. Justification: As Digital is obsolete technology and its not part of requirement hence kindly remove this for wider participation.	Volume 2	Technical Spec.	As per RFP

376	IP Telephony System Architecture (IP Telephony System)	135	The OEM offered unified communication and call manager application must have valid trademark registration certificate as per Govt. of India trademark act 1999, Section 23, rule No. 62(1). Vendor to submit a copy of the same certified by respective exchange OEM.	Kindly remove this point Justification: Its specific to single oem hence its restrict other OEM to particiape . Hence please remove this point	Volume 2	Technical Spec.	As per RFP
377	IP Telephony System Architecture (IP Telephony System)	136	Vendor must submit valid latest Type test TEC-GR (Wide TEC-GR spec. No.: TEC/GR/SW/PBX-005/01/SEP.2016) (Generic Requirement) approval certificate issued by Telecommunication Engineering Centre (TEC), Department of Telecommunication, Govt. of India tested with IPv4 & IPv6 for both SIP terminals and SIP Trunks from days 1 for the particular model of IP-PBX with Server & Media Gateway system quoted. Notarized copy of the same is required to submit along with the technical bid.	Kindly remove this point Justification: Its specific to single oem hence its restrict other OEM to particiape . Hence please remove this point	Volume 2	Technical Spec.	As per RFP
378	IP Telephony System Architecture (IP Telephony System)	137	Analog Media Gateways, Call Billing and accounting software, Emergency conference communication, Help Desk and voice mail must be from the same OEM of IP Telephony Exchange. No Third party solution is allowed.	Analog Media Gateways, Call Billing and accounting software, Emergency conference communication, Help Desk and voice mail must be from the same OEM/Bidder of IP Telephony Exchange. No Third party solution is allowed. Justification: Its restrict other to participate as call billing is a open software and supported by different OEM and its not manufactured by major IP Telephony OEM hence please accept the point for wider participation.	Volume 2	Technical Spec.	As per RFP
379	Minimum Server Specifications:	138	The CPU must be minimum 4 core processor The server must have at least 16GB RAM	The CPU must be minimum 12 core processor The server must have at least 96GB RAM Justification: Shared specs are very less as compare to the requirement. Please make the changes as all standard server comes with the suggested core and RAM. Also it will protect the investment for future expansions.	Volume 2	Technical Spec.	As per RFP
380	Emergency Response conference communication System	143	The Emergency communication solution must be embedded within the platform, not installed on a separate server and should be from the same OEM of the telephony system.	The Emergency communication solution must be embedded/separate platform, can be installed on a separate server and should be from the same OEM/Bidder of the telephony system. Justification: Its specific to single oem hence its restrict other OEM to particiape . Hence please remove this point	Volume 2	Technical Spec.	As per RFP
381	Voice Logger – 8 Channel	146	Voice logger application should be from the same OEM of IP telephony system. Third party voice logger system should not be quoted.	Voice logger application should be from the same OEM/Bidder of IP telephony system. Justification: Its specific to single oem hence its restrict other OEM to particiape . Hence please remove this point	Volume 2	Technical Spec.	As per RFP
382	5.19 SAN SWITCH	154	The switch to be configured with minimum of 96 ports 16 Gbps FC configuration backward compatible to 4/8.	latest generation Data Center SAN switches have 32G FC speeds which help in reducing number of ports in switch with better performance so if 32G FC is fine then please revise as below: "The switch to be configured with minimum of 96 ports 32 Gbps FC configuration backward compatible to 4/8/16"	Volume 2	Technical Spec.	As per RFP
383	5.19 SAN SWITCH	154	All 96 x FC ports for device connectivity should be 4/8/16 Gbps autosensing Fibre Channel ports.	Please revise as below considering latest switches port speed support 32G FC. "All 96 x FC ports for device connectivity should be 4/8/16/32 Gbps autosensing Fibre Channel ports."	Volume 2	Technical Spec.	As per RFP
384	5.19 SAN SWITCH		Switch should provide proactive and predictive troubleshooting and capable of generating automated alarms. Switch should monitor flows between the compute and storage layers, including the read and the write transactions between a host and the backend storage.	Troublehooting and pin pointing the exact issues in terms of monitoring is important factor in Data center SAN environment so recommended to add for visibility and analytics as It will provide easy troubleshooting and reduce mean time to resole the issues.	Volume 2	Technical Spec.	As per RFP
385	5.19 SAN SWITCH		SAN Switch should provide end to end visibility of fibre channel SAN traffic. It should inspect I/O flow to bring out a unified view of the infrastructure irrespective of the architecture or vendor of storage arrays, servers or operating systems.	Flow visibility is another critical factor in isolating hop by hop drop points so suggested to add.	Volume 2	Technical Spec.	As per RFP
386	5.19 SAN SWITCH		Switch should provide proactive and predictive troubleshooting and capable of generating automated alarms. Switch should monitor flows between the compute and storage layers, including the read and the write transactions between a host and the backend storage.	Suggested to add for proactive alarms for predictive actions	Volume 2	Technical Spec.	As per RFP
387	5.21 Backup Software		The proposed backup software should be proposed with 100 TB front-end capacity license to perform backup of unlimited clients and mentioned DB instances, including backup data replication and file archival	Kindly add this point to specify the Backup software license requirement in terms of Capacity based according to the amount storage asked in the RFP.	Volume 2	Technical Spec.	Refer corrigendum
388	5.21 Backup Software		Proposed backup software should have feature to convert VMware VMs to Hyper-V, Nutanix, OVM and OpenStack.	Kindly add this point as Data Center has hetrogenous Virtualized environment.	Volume 2	Technical Spec.	Refer corrigendum
389	5.21 Backup Software		The offered backup software should have inbuilt feature to configure backup master server in active-standby mode across different sites.	Kindly add this point as backup is data is important.	Volume 2	Technical Spec.	Refer corrigendum
390	5.21 Backup Software		Proposed software should support native cloud computing foundation (CNCF) to backup and platform agnostic restore of kubernetes environment.	please accommodate this point for platform agnostiness.	Volume 2	Technical Spec.	Refer corrigendum
391	5.21 Backup Software		The offered software must integrate with different hypervisors managers to perform agentless backup of Hyper-V, VMware, RedHat OpenStack, RHEV, Oracle Virtual machine and Citrix Xen environment.	please accommodate this point to support different hypervisor environment as per changing needs to applications in Data Center.	Volume 2	Technical Spec.	Refer corrigendum

392	5.23 Servers	157	Minimum 128 GB Memory per physical server scalable upto 1.5 TB	As per the Smart city requirements please revise the memory as below considering future scalability requirements: "Minimum 128 GB Memory per physical server scalable upto 4TB"	Volume 2	Technical Spec.	As per RFP
393	5.23 Servers		The management software should participate in server provisioning, device discovery, inventory, diagnostics, monitoring, fault detection, auditing, statistics collection and provide proactive security & software advisory alerts and should outline the fixes required to address the issues.	Server management software is important for easy manageability and proactive notifications should be there in case of any issues so please add the point as suggested.	Volume 2	Technical Spec.	As per RFP
394	5.23 Servers		Server management system should provide an alert in case the system is not part of OEM Hardware Compatibility list & should provide anti counterfeit and Automated hardware configuration and Operating System deployment to multiple servers	Ease of Hardware configuration with OEM hardware compatibility is needed in end to end to server provisioning so please add the point as suggested.	Volume 2	Technical Spec.	As per RFP
395	5.24 Server for Video Analytics	158	Minimum 128 GB Memory per physical server scalable upto 1.5 TB	As per the Smart city requirements please revise the memory as below considering future scalability requirements: "Minimum 128 GB Memory per physical server scalable upto 4TB"	Volume 2	Technical Spec.	As per RFP
396	5.24 Server for Video Analytics		The management software should participate in server provisioning, device discovery, inventory, diagnostics, monitoring, fault detection, auditing, statistics collection and provide proactive security & software advisory alerts and should outline the fixes required to address the issues.	Server management software is important for easy manageability and proactive notifications should be there in case of any issues so please add the point as suggested.	Volume 2	Technical Spec.	As per RFP
397	5.24 Server for Video Analytics		Server management system should provide an alert in case the system is not part of OEM Hardware Compatibility list & should provide anti counterfeit and Automated hardware configuration and Operating System deployment to multiple servers	Ease of Hardware configuration with OEM hardware compatibility is needed in end to end to server provisioning so please add the point as suggested.	Volume 2	Technical Spec.	As per RFP
398	Volume 2	Page no 111		With reference to the above mentioned tender we would like to bring to your notice that you have asked for MPLS connectivity(Volume 2 Page no 11) but have mentioned that the connectivity has to be provided form multiple ISP. Instead of ISP it should be TSP who will be able to provide MPLS connectivity. Looking at the criticality of the project and importance of high bandwidth availability of HD video streaming a redundant network on wireless may be considered as all the TSP's will follow the same OFC route and may increase the downtime as lot of civil works are happening for the expansion of Guwahati city. Transmitting data over internet will not be secure, you need to have a private captive network. Moreover in the BoQ under Field Network Infrastructure you have not included routers which is very much essential for the connectivity at each location.	Volume 2	Technical Spec.	Refer Corrigendum. ISP/ TSP both acceptable.
399	VOL-2 Section-5.20	Page 155	Controllers: Minimum dual controllers with symmetric active-active architecture. Each controller shall be configured with minimum 6 core or higher CPU.	Controllers: Minimum dual controllers with symmetric/Asymmetric active-active architecture. Each controller shall be configured with minimum 8 core or higher CPU.	Volume 2	Technical Spec.	Refer corrigendum
400	VOL-2 Section-5.20	Page 155	Cache Memory: Should be provided with minimum 768GB Global cache or more.	The system should have minimum 128 GB cache memory or more	Volume 2	Technical Spec.	Refer corrigendum
401	VOL-2 Section-5.20	Page 155	De- duplication: Array should have capability to provide compression, de- duplication and encryption.	Remove this point Justification:-because images comes from camera is already compressed and further data reduction will not be possible.	Volume 2	Technical Spec.	Refer corrigendum
402	VOL-2 Section-5.20	Page 155	Tiering: Should support inbuilt automated tiering feature that migrates the most frequently accessed data to the SSD/RAM. Necessary licenses for configured capacity if required without additional cost	Remove this point Justification:-because its single tier storage for surveillance project so this feature not required.	Volume 2	Technical Spec.	Refer corrigendum
403	VOL-2 Section-5.20	Page 155	Snapshots: Should be able to take "snapshots" of the stored data. Offered Storage shall have support to make the snapshot in scheduled or auto snaps. Snapshot should support both block and file.	Snapshots: Should be able to take "snapshots" of the stored data. Offered Storage shall have support to make the snapshot in scheduled or auto snaps. Remove point File Justification:- file is supported with NAS (NFS/SMB)protocol and here requirement is for SAN.	Volume 2	Technical Spec.	Refer corrigendum
404	VOL-2 Section-5.20	Page 155	Software Licenses : All the necessary software and licenses to configure and manage the storage space, RAID configuration, logical drives allocation, snapshots, compression, de-dup, replication, auto-tiering for the configured capacity.	Software Licenses : All the necessary software and licenses to configure and manage the storage space, RAID configuration, logical drives allocation, snapshots, for the configured capacity. Justification:- above all explained these licenses are not required for surveillance use case.	Volume 2	Technical Spec.	Refer corrigendum
405	Volume 2: Scope of Work including Functional and Technical Specification	Page No 99	A central IoT & AI Platform for integrating the Sensor Data and Application Data from the various city-wide urban systems. It should be pre-integrated with various sub systems like – IoT, Complex Event processing, Big Data, BI and AI Advanced Data Analytics, API/ESB, BPM, GIS, Security and Logging & Monitoring. Also, it should support rich pre-integrated tools for Provisioning and Administration, Building Dashboards and Deploying and Building ML Models and deploying.	As all the mentioned component aren't part of Smart/Safe city, this clause will restrict the participation of vendors/OEMs. The clause should speak about the capability of the system to integrate with all the components & Platforms mentioned. Therefore, you are kindly requested to please amend the clause as below. "A central IoT & AI Platform for integrating the Sensor Data and Application Data from the various city-wide urban systems. It should be able to integrate with various sub systems like – IoT, Complex Event processing, Big Data, BI and AI Advanced Data Analytics, API/ESB, BPM, GIS, Security and Logging & Monitoring. Also, it should support rich pre-integrated tools for Provisioning and Administration, Building Dashboards and Deploying and Building ML Models and deploying."	Volume 2	Technical Spec.	As per RFP

406	Volume 2: Scope of Work including Functional and Technical Specification	Page No 101	API Management System Point No 66 To 82	Clarification required, Requested to please clarify API Management System OEM (Make and Model) should be same as ICCC Platform OEM? Or it can be any open source /Third-Party OEM Like WSo2, RedHat etc. ? In Case this component can be from third-party then please clarify if seperate scope of work for API Management System to be considered.	Volume 2	Technical Spec.	As per RFP
407	Volume 2: Scope of Work including Functional and Technical Specification	Page No 102	ESB System Point No 83 To 94	Clarification required, Requested to please clarify ESB System OEM (Make and Model) should be same as ICCC Platform OEM? Or it can be any open source /Third-Party OEM Like WSo2, RedHat etc. ? In Case this component can be from third-party then please clarify if seperate scope of work for ESB System combined to be considered.	Volume 2	Technical Spec.	As per RFP
408	Volume 2: Scope of Work including Functional and Technical Specification	Page No 103	Complex Event Processing System Point No 95 To 121	Is our understanding correct that Complex Event Processing System and IoT Platform are same components? In Case this component can be from third-party then please clarify if seperate scope of work for Complex Event Processing System to be considered.	Volume 2	Technical Spec.	As per RFP
409	Volume 2: Scope of Work including Functional and Technical Specification	Page No 104	Data Management System- Big Data System Point No 122 To 149	Clarification Required, As we are unable to understand why the Bigdata component specification falling under Scope of ICCC Platform. ICCC platform will integrate with Bigdata not the all specification should come under the scope of ICCC platform. So , is our understanding correct that ICCC platform should be able to integrate with Big data is actual requirement?	Volume 2	Technical Spec.	As per RFP
410	Volume 2: Scope of Work including Functional and Technical Specification	Page No 113	Configurable Dashboard Point No 322 To 341	Clarification Required, Request to you please clarify Configurable Dashboard OEM (Make and Model) should be same as ICCC Platform OEM ? Or it can be any Third-Party OEM Like Power BI, Tableau etc. ? In Case this component can be from third-party then please clarify if seperate scope of work for Configurable Dashboard to be considered.	Volume 2	Technical Spec.	As per RFP
411	VOLUME 2-5.1 CAMERA SPECIFICATION:		SR.No.(1)CCTV OEM should be active company and should have direct presence in India from last ten years (not as joint venture, partnership firms or through any other association) & manufacturing in India since last Five years (not as joint venture, partnership firms or through any other association) (3rd Party Manufacturing not allowed) and Foreign CCTV OEM should have manufacturing unit globally from last 10 Years at the time of bidding. Documentary evidence should be submitted.	Request you to consider amending " CCTV OEM should be active company and should have direct presence in India from last 7 years (not as joint venture, partnership firms or through any other association) & manufacturing in India since last Five years (not as joint venture, partnership firms or through any other association) (3rd Party Manufacturing not allowed) OR Foreign CCTV OEM should have manufacturing unit globally from last 10 Years at the time of bidding. Documentary evidence should be submitted." so that other OEM can participate in this project .	Volume 2	Technical Spec.	As per RFP
412	VOLUME 2-5.1 CAMERA SPECIFICATION: - 5 MP IP Bullet Camera with in-built 100 Mtr. IR		SR.no.(1)Sensor:1/2.7", 5MP Progressive Scan CMOS Sensor	Request you to consider "1/2.8" ,5MP progressive Scan CMOS sensor or better " This Change will not impact the functionality of the system.	Volume 2	Technical Spec.	As per RFP
413	VOLUME 2-5.1 CAMERA SPECIFICATION: - 5 MP IP Bullet Camera with in-built 100 Mtr. IR		SR.No.(4)Electronic Shutter:Auto, Slow Shutter, (1/1s-1/100,000s Adjustable)	Request you to consider amending " Electronic Shutter : 1/5s to 1/30,000s or better ". This change will not impact the functionality of the system.	Volume 2	Technical Spec.	As per RFP

414	VOLUME 2-5.1 CAMERA SPECIFICATION: - 5 MP IP Bullet Camera with in- built 100 Mtr. IR		SR.No.(5)Lens:5-50mm Motorized Lens	Request you to Consider "amending Lens :12-50 mm Motorized lens or better". The 5-50 mm motorized lens is specific to OEM.	Volume 2	Technical Spec.	As per RFP
415	VOLUME 2-5.1 CAMERA SPECIFICATION: - 5 MP IP Bullet Camera with in- built 100 Mtr. IR		SR.No.(12)Video Streams Mainstream: 5MP (2880X1620)/2MP(1920x1080)@25/30fps Sub Stream: D1 (704x576)/ CIF (352x288) @15FPS Third Stream: VGA (640X480)/CIF (352x288) @15FPS	Request you to consider "standard 5MP resolution I,e 2560X1920 or better" .This is OEM specific and restrict in participation .	Volume 2	Technical Spec.	As per RFP
416	VOLUME 2-5.1 CAMERA SPECIFICATION: - 5 MP IP Bullet Camera with in- built 100 Mtr. IR		SR.No.(13)Security Feature:New Password Policy, ActiveX Remove, Shifting to HTML5, HTTPS, Video Encryption , HTTPS X 509 certificate, syslog, 801.X, Trusted Boot	Request you to remove this clause "HTTPSx509 Certificate, Syslog ". This is specific to OEM.	Volume 2	Technical Spec.	As per RFP
417	VOLUME 2-5.1 CAMERA SPECIFICATION: 5MP IP PTZ Camera 30x Optical Zoom		SR.No.(7)WDR:140dB Super WDR	Request you to amend WDR 120 dB or Better ,140dB WDR is specific to OEM and this change will not impact the functionality of the system.	Volume 2	Technical Spec.	As per RFP
418	VOLUME 2-5.1 CAMERA SPECIFICATION: 5MP IP PTZ Camera 30x Optical Zoom		SR.No.(17)Video Streams Mainstream: Mainstream: 30fps@(2592x1944), 60fps@(1920x1080, 1280x960) Sub Stream: 60fps@(704x576, 640x480, 640x360) Third Stream: 30fps@(1920x1080, 1280x720, 704x576)	Request you to consider "standard 5MP resolution I,e 2560X1920 or better" .This is OEM specific and restrict in participation .	Volume 2	Technical Spec.	As per RFP
419	SR.No.(13)Security Feature: New Password Policy, ActiveX Remove, Shifting to HTML5, HTTPS, Video Encryption , HTTPS X 509 certificate, syslog, 801.X, Trusted Boot		SR.No.(13)Security Feature: New Password Policy, ActiveX Remove, Shifting to HTML5, HTTPS, Video Encryption , HTTPS X 509 certificate, syslog, 801.X, Trusted Boot	Request you to remove this clause "HTTPSx509 Certificate, Syslog ". This is specific to OEM.	Volume 2	Technical Spec.	As per RFP
420	VOLUME 2-5.1 CAMERA SPECIFICATION: 5MP IP PTZ Camera 30x Optical Zoom		SR.No.(38)Working Condition:Temperature: -50°C~70°C / Humidity: 0~95%(Non-condensing)	"Request you to consider "Working condition: Temperature :-20°C~50°C" or better .	Volume 2	Technical Spec.	As per RFP

421	VOLUME 2-5.1 CAMERA SPECIFICATION 5 MP IP BOX Camera		SR.No.(1)Sensor:1/2.7", 5MP Progressive Scan CMOS Sensor	Request you to consider "1/2.8",5MP progressive Scan CMOS sensor or better " This Change will not impact the functionality of the system.	Volume 2	Technical Spec.	As per RFP
422	VOLUME 2-5.1 CAMERA SPECIFICATION 5 MP IP BOX Camera		SR.No.(13)Video Streams-Mainstream: 5MP (2880X1620)/ZMP(1920x1080)@25/30fps Sub Stream: D1 (704x576)/ CIF (352x288) @15FPS Third Stream: VGA (640X480)/CIF (352x288) @15FPS	Request you to consider "standard 5MP resolution I,e 2560X1920 or better" .This is OEM specific and restrict in participation .	Volume 2	Technical Spec.	As per RFP
423	5.1 CAMERA SPECIFICATION: 5 MP IP Bullet Camera with in-built 100 Mtr. IR		OEM should have ISO 9001, 14001, 27001, 45001, ISO/IEC 27032:2012 and CMMI Level 5 Certificate.	Request to make changes as OEM should have ISO 9001, 14001, 27001, 45001, ISO/IEC 27032:2012 / CMMI Level 5 Certificate.	Volume 2	Technical Spec.	As per RFP
424	5.1 CAMERA SPECIFICATION: 5MP IP PTZ Camera 30x Optical Zoom		OEM should have ISO 9001, 14001, 27001, 45001, ISO/IEC 27032:2012 and CMMI Level 5 Certificate.	Request to make changes as OEM should have ISO 9001, 14001, 27001, 45001, ISO/IEC 27032:2012 / CMMI Level 5 Certificate.	Volume 2	Technical Spec.	As per RFP
425	5.1 CAMERA SPECIFICATION: 5MP Box Camera		OEM should have ISO 9001, 14001, 27001, 45001, ISO/IEC 27032:2012 and CMMI Level 5 Certificate.	Request to make changes as OEM should have ISO 9001, 14001, 27001, 45001, ISO/IEC 27032:2012 / CMMI Level 5 Certificate.	Volume 2	Technical Spec.	As per RFP
426	5.1 CAMERA SPECIFICATION: 5MP IP PTZ Camera 30x Optical Zoom		1/1.9" Progressive Scan CMOS	Changes Required: Request you to make the necessary changes as 1/2.8" progressive scan ultra-lowlight CMOS sensor Justifications: Request you to please make this as 1/2.8 as a generic and Generally, a larger sensor can capture more light. This might imply that a 1/2.8" sensor can perform slightly better in low-light condition sensor, assuming all other factors (e.g., pixel size, lens quality, image processing) are equal.	Volume 2	Technical Spec.	As per RFP
427	Volume 2, 5.20 SAN STORAGE	155	Connectivity: Minimum 2 ports per controller to be provided for host connectivity	Connectivity: Minimum 8 ports per controller to be provided for host connectivity	Volume 2	Technical Spec.	Refer corrigendum
428	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH	148	The Switch Should be Industrial grade in nature and should have 8x10/100/1000 Base-T PoE+ ports and 4x100/1000 Base-X SFP ports and to be supplied with required module.	Request to please change this as "The Switch Should be Industrial grade in nature and should have 8x10/100/1000 Base-T PoE+ ports and 2x100/1000 Base-X SFP ports and to be supplied with required module", for wider OEM participations.	Volume 2	Technical Spec.	As per RFP
429	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH	148	Switch Should support 16K MAC addresses and 4000 VLAN	Request to please change this as "Switch Should support 8K MAC addresses and 4000 VLAN ID", for wider OEM participations. 8K MAC is sufficient for field level connectivity.	Volume 2	Technical Spec.	As per RFP
430	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH	148	Should support UDLD, Digital Diagnostic monitoring, Port and VLAN mirroring and IEEE 802.1ag or equivalent.	Request to please change this as "Should support UDLD, Digital Diagnostic monitoring OR equivalent, Port and VLAN mirroring", for wider OEM participations.	Volume 2	Technical Spec.	As per RFP
431	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH	148	Should support SNMPv6, Telnetv6 and SSHv6, NTPv6, Openflow and have USB or equivalent interface for easy backup and restore.	Request to please change this as "Should support SNMPv6, Telnetv6 or and SSHv6, NTP, Openflow/REST API and have USB or equivalent interface for easy backup and restore.", for wider OEM participations.	Volume 2	Technical Spec.	As per RFP
432	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH	148	Operating Temperature of switch should be -40°C to 75°C	Request to please change this as "Operating Temperature of switch should be -40°C to 60°C", for wider OEM participations.	Volume 2	Technical Spec.	As per RFP
433	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH	148	Switch should be EN55022, EN55024, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-8, IEC60068-2-31, IEC60068-2-27, IEC60068-2-6 and RoHS.	Request to please change this as "Switch should be EN55022, EN55024 or equivalent or higher, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-8, IEC60068-2-31, IEC60068-2-27 IEC60068-2-6 or equivalent or higher of the mentioned all the standards and RoHS.	Volume 2	Technical Spec.	As per RFP

434	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH	149	Switch Should support 16K MAC addresses and 4000 VLAN	Request to please change this as "Switch Should support 8K MAC addresses and 4000 VLAN ID", for wider OEM participations. 8K MAC is sufficient for field level connectivity.	Volume 2	Technical Spec.	As per RFP
435	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH	149	Operating Temperature of switch should be -40°C to 75°C	Request to please change this as "Operating Temperature of switch should be -40°C to 60°C", for wider OEM participations.	Volume 2	Technical Spec.	As per RFP
436	RFP Volume 2 Scope of Work	Page No 236 onwards	5.45. Estimated MPLS network Plan and bandwidth requirement.....235 6. Bill Of Material(BoM)..... 236 7. Location details..... 236	These scope /BoQ /Locations Details are missing . Kindly add ASAP and then allow more queires submission around those Scope like Bandwidth ,BoQ/BoM and Location /Sites	Volume 2	Technical Spec.	Refer corrigendum
437	Volume 2, 5.1 CAMERA SPECIFICATION, OEM Criteria	44	CCTV OEM should be active company and should have direct presence in India from last ten years (not as joint venture, partnership firms or through any other association) & manufacturing in India since last Five years (not as joint venture, partnership firms or through any other association) (3rd Party Manufacturing not allowed) and Foreign CCTV OEM should have manufacturing unit globally from last 10 Years at the time of bidding. Documentary evidence should be submitted.	Please clarify term manufacturing in India since last five years not as joint venture. There are OEM(s) who build their manufacturing plant in JV as an infrastructure, however, the control over the plant, manufacturing process, Product R&D, Design, etc. is being done by the OEM itself. Hence, it is requested amend the OEM Criteria to allow participation of other Indian OEM(s) to participate in the bid. Request Suggestion: CCTV OEM should be active company and should have direct presence in India from last Five years (not as joint venture, partnership firms or through any other association) & manufacturing in India since last Five years (not as joint venture, partnership firms or through any other association) (3rd Party Manufacturing not allowed) and Foreign CCTV OEM should have manufacturing unit globally from last 10 Years at the time of bidding. Documentary evidence should be submitted.	Volume 2	Technical Spec.	As per RFP
438	Volume-2 5 MP IP Bullet Camera with in-built 100 Mtr. IR	44	Bidder shall ensure compliance to the Office Memorandum for insertion of Rule 144 (xi) in the General Finance Rules (GFR)-2017 bearing reference number F.No. 6/18/2019-PPD dated 23 July 2020 or latest, by the Public Procurement Division, Department of Expenditure, Ministry of Finance. Noncompliant bid(s) will be summarily rejected. The OEM should not have any common directors who are also on the board of companies having beneficiaries from land border countries at the time of bidding. The camera OEM must submit declaration regarding their own manufacturing setups and shall not have 3rd party manufacturing from any company blacklisted in India or any company sharing land border with India. The IPR/copyright of source code of firmware/software etc. should not reside in countries sharing land borders with India. OEM should submit supporting document to establish proof of this eligibility criteria.	Request removal of below clause as it will allow truly make in India manufacturers with their 100% local stake holding pattern to participate in the RFP . Bidder shall ensure compliance to the Office Memorandum for insertion of Rule 144 (xi) in the General Finance Rules (GFR)-2017 bearing reference number F.No. 6/18/2019-PPD dated 23 July 2020 or latest, by the Public Procurement Division, Department of Expenditure, Ministry of Finance. Noncompliant bid(s) will be summarily rejected. <u>The OEM should not have any common directors who are also on the board of companies having beneficiaries from land border countries at the time of bidding.</u> The camera OEM must submit declaration regarding their own manufacturing setups and shall not have 3rd party manufacturing from any company blacklisted in India or any company sharing land border with India. The IPR/copyright of source code of firmware/software etc. should not reside in countries sharing land borders with India. OEM should submit supporting document to establish proof of this eligibility criteria.	Volume 2	Technical Spec.	As per RFP
439	Volume 2, 5.1 CAMERA SPECIFICATION, 5 MP IP Bullet Camera with in-built 100 Mtr. IR	45	3. Min. illumination: Color: 0.01 Lux @F1.2, B/W: 0.001 Lux@F1.2, 0 Lux at IR ON	The aperture is not identical for all OEMs. As per industry standard the aperture level varies between F1.0 ~ F2.8 for all types of network camera. However, to achieve the best quality image in low light area it is essential to use appropriate lens with suitable aperture size and minimum Lux level. Hence, It is requested to amend the specification to open opportunity for other OEMs to participate in this bid. Request Suggestion: 3. Min. illumination: Color: 0.01 Lux @F1.2 ~ F1.6, B/W: 0.001 Lux@F1.2 ~ F1.6, 0 Lux at IR ON or better	Volume 2	Technical Spec.	As per RFP
440	Volume 2, 5.1 CAMERA SPECIFICATION, 5 MP IP Bullet Camera with in-built 100 Mtr. IR	45	4. Electronic Shutter: Auto, Slow Shutter, (1/1s-1/100,000s Adjustable)	The shutter speed is not identical for all OEMs, to achieve the best quality image in low light area it is essential to capture sufficient light. It is requested to amend the specification to open opportunity for other OEMs to participate in this bid. Request Suggestion: 4. Electronic Shutter: Auto, Slow Shutter, (1/1s 1/3s -1/100,000s Adjustable)	Volume 2	Technical Spec.	As per RFP
441	Volume 2, 5.1 CAMERA SPECIFICATION, 5 MP IP Bullet Camera with in-built 100 Mtr. IR	45	5. Lens: 5-50mm Motorized Lens	As per industry standard 5-50mm varifocal lens is not very common in bullet camera and is used by peficic OEM only, the comminly used long range vari-focal lens in bullet camera is 8-32mm by majority of OEMS. Hence, the said specification is restrictive for all OEM(s), therefore, it is requested to relax this specification by amending the specification. Request Suggestion: 5. Lens: 5-50mm 7-35mm Motorized Lens	Volume 2	Technical Spec.	As per RFP

442	Volume 2, 5.1 CAMERA SPECIFICATION, 5 MP IP Bullet Camera with in-built 100 Mtr. IR	45	8. S/N ratio: $\geq 60\text{db}$	As per industry standard the SNR value varies between 45dB ~ 70dB, however, the SNR value used by the majority of OEM(s) is $>50\text{dB}$ as a benchmark value. The said specification is product and OEM specific. Hence, the said specification is restrictive for all OEM(s), therefore, it is requested to relax this specification by amending the specification. Request Suggestion: 8. S/N ratio: $\geq 60\text{db}$ $\geq 55\text{dB}$	Volume 2	Technical Spec.	As per RFP
443	Volume 2, 5.1 CAMERA SPECIFICATION, 5 MP IP Bullet Camera with in-built 100 Mtr. IR	45	12. Video Streams: Mainstream: 5MP (2880X1620) / 2MP(1920x1080)@25/30fps; Sub Stream: D1 (704x576)/ CIF (352x288) @15FPS; Third Stream: VGA (640X480)/CIF (352x288) @15FPS	The specification of proposed product as mentioned in the RFP is OEM specific and restricting OEM(s) to participate in this bid. As per industry standard majority of OEM supports 20 FPS @ 5 MP resolution. It is requested to open the opportunity for other OEM(s) by amending the said specification (20 FPS @ 5MP), this will enable a healthy competition for selection of right products through this tendering process. Request Suggestion: 12. Video Streams: Mainstream: 5MP (2880X1620) @ 20fps / 2MP(1920x1080)@25/30fps; Sub Stream: D1 (704x576)/ CIF (352x288) @15FPS; Third Stream: VGA (640X480)/CIF (352x288) @15FPS	Volume 2	Technical Spec.	As per RFP
444	Volume 2, 5.1 CAMERA SPECIFICATION, 5 MP IP Bullet Camera with in-built 100 Mtr. IR	45	14. Protocol: TCP/IP, IPv4,IPv6, RTCP, NTP, UPnP, SMTP, FTP, ICMP, HTTP, HTTPS, HTTP-Base64, HTTP-Digest, DHCP, DNS, DDNS, RTP, RTSP, IGMP, P2P, IP Filter, SNMP V1 & V2	Requement of certain network protocols are not described in the solution or in scope of work in the RFP. These protocols are making the specifications unnecessarily complex and restrictive for other OEM(s). Therefore, it is requested to open the opportunity for other OEM(s) by removing the unwanted network protocols, this will enable a healthy competition for selection of right products through this tendering process. Request Suggestion: 14. Protocol: TCP/IP, IPv4,IPv6, RTCP, NTP, UPnP, SMTP, FTP, ICMP, HTTP, HTTPS, HTTP-Base64, HTTP-Digest , DHCP, DNS, DDNS, RTP, RTSP, IGMP, P2P , IP Filter, SNMP V1 & V2	Volume 2	Technical Spec.	As per RFP
445	Volume 2, 5.1 CAMERA SPECIFICATION, 5 MP IP Bullet Camera with in-built 100 Mtr. IR	45	20. SD Card: Support up to 512GB	As per industry standard majority of OEM(s) support up to 128 GB ~ 256GB Micro SD card in IP camera. However, there are few of the foreign OEM(s) offers higher capacity of SD card in IP camera. Hence, it is requested to amend the specification to open opportunity for Indian OEM(s). Request suggestion: 20. SD Card: Support up to 512GB 256GB	Volume 2	Technical Spec.	As per RFP
446	Volume 2: Scope of Work including Functional and Technical Specification 5. Intelligent City Surveillance System – Functional Requirement & Technical 5.1. Camera Specification 5 MP IP Bullet Camera with in-built 100 Mtr. IR	45	1. Sensor: 1/2.7", 5MP Progressive Scan CMOS Sensor	1. Sensor: 1/2.8", 5MP Progressive Scan CMOS Sensor Requesting you to accept above changes as per the industry standard for image sensor to allow wider participation.	Volume 2	Technical Spec.	As per RFP

447	Volume 2: Scope of Work including Functional and Technical Specification 5. Intelligent City Surveillance System – Functional Requirement & Technical 5.1. Camera Specification 5 MP IP Bullet Camera with in-built 100 Mtr. IR	45	13. Security Feature: New Password Policy, ActiveX Remove, Shifting to HTML5, HTTPS, Video Encryption, HTTPS X 509 certificate, syslog, 801.X, Trusted Boot , SSL/TLS	13. Security Feature: New Password Policy, ActiveX Remove, Shifting to HTML5, HTTPS, Video Encryption, HTTPS X 509 certificate, syslog, 801.X, Trusted Boot , SSL/TLS Request you to remove the suggested features as these are OEM specific. Also, please add some security features as per industry standard.	Volume 2	Technical Spec.	As per RFP
448	Volume 2: Scope of Work including Functional and Technical Specification 5. Intelligent City Surveillance System – Functional Requirement & Technical 5.1. Camera Specification 5 MP IP Bullet Camera with in-built 100 Mtr. IR	45	17. System Compatibility: ONVIF Profile S, G & T . CCTV OEM Should be ONVIF Full Member.	17. System Compatibility: ONVIF Profile S, G & T. CCTV OEM Should be ONVIF Full Member. Requesting you to ask any type of ONVIF membership so as to allow wider participation. ONVIF protocols and their functionalities in the Cameras & NVRs will remain same for all types of memberships. All types of ONVIF membership will be getting the ONVIF updates & support, so asking for a limited memberships will limit the participation. ONVIF Full member does not give any benefit to End user	Volume 2	Technical Spec.	As per RFP
449	Volume 2, 5.1 CAMERA SPECIFICATION, 5MP IP PTZ Camera 30x Optical Zoom	46	2. Min. Illumination: Color: 0.005Lux@F1.2 B/W: 0Lux with IR on	The aperture is not identical for all OEMs. As per industry standard the aperture level varies between F1.0 ~ F2.8 for all types of network camera. However, to achieve the best quality image in low light area it is essential to use appropriate lens with suitable aperture size and minimum Lux level. Hence, It is requested to amend the specification to open opportunity for other OEMs to participate in this bid. Request Suggestion: 2. Min. Illumination: Color: 0.005Lux@F1.2 ~ F1.6 B/W: 0Lux with IR on	Volume 2	Technical Spec.	As per RFP
450	Volume 2, 5.1 CAMERA SPECIFICATION, 5MP IP PTZ Camera 30x Optical Zoom	46	7. WDR: 140dB Super WDR	As per industry standard the WDR value varies between 80dB ~ 140dB, however, the WDR value used by the majority of OEM(s) is 120dB as benchmark globally. The said specification is product and OEM specific. Hence, the said specification is restrictive for all OEM(s), therefore, it is requested to relax this specification by amending the specification. Request Suggestion: 7. WDR: 140dB Super 120dB WDR	Volume 2	Technical Spec.	As per RFP
451	Volume 2, 5.1 CAMERA SPECIFICATION, 5MP IP PTZ Camera 30x Optical Zoom	46	8. Shutter Time: 1/100000s~1s	The shutter speed is not identical for all OEMs, to achieve the best quality image in low light area it is essential to capture sufficient light. It is requested to amend the specification to open opportunity for other OEMs to participate in this bid. Request Suggestion: 8. Shutter Time: 1/100000s~ 1s 1/3s	Volume 2	Technical Spec.	As per RFP

452	Volume 2, 5.1 CAMERA SPECIFICATION, 5MP IP PTZ Camera 30x Optical Zoom	46	10. S/N: >65dB	As per industry standard the SNR value varies between 45dB ~ 70dB, however, the SNR value used by the majority of OEM(s) is >50dB as a benchmark value. The said specification is product and OEM specific. Hence, the said specification is restrictive for all OEM(s), therefore, it is requested to relax this specification by amending the specification. Request Suggestion: 8. S/N ratio: ≥60db ≥55dB	Volume 2	Technical Spec.	As per RFP
453	Volume 2, 5.1 CAMERA SPECIFICATION, 5MP IP PTZ Camera 30x Optical Zoom	46	11. Pan Range/Pan Speed: 360° endless/ Pan Manual Speed: 0.1°~400°/s, Pan Preset Speed: 400°/s	The PAN travel speed is different for different types of PTZ cameras. The Pan travel speed as asked in the RFP is specific to a product model. Hence, it is requested to amend this specification as per industry standard. Recommendation: 11. Pan Range/Pan Speed: 360° endless/ Pan Manual Speed: 0.1°~ 400°/s 200°/s, Pan Preset Speed: 400°/s 240°/s	Volume 2	Technical Spec.	As per RFP
454	Volume 2, 5.1 CAMERA SPECIFICATION, 5MP IP PTZ Camera 30x Optical Zoom	46	12. Tilt Range/Tilt Speed: 0°~90°(Auto Flip)/ Tilt Manual Speed: 0.1°~320°/s, Tilt Preset Speed: 320°/s	The Tilt travel speed is different for different types of PTZ cameras. The Tilt travel speed as asked in the RFP is specific to a product model. Hence, it is requested to amend this specification as per industry standard. Recommendation: 12. Tilt Range/Tilt Speed: 0°~90°(Auto Flip)/ Tilt Manual Speed: 0.1°~ 320°/s 120°/s, Tilt Preset Speed: 320°/s 120°/s	Volume 2	Technical Spec.	As per RFP
455	Volume 2, 5.1 CAMERA SPECIFICATION, 5MP IP PTZ Camera 30x Optical Zoom	46	17. Video Streaming: Main Stream: 30fps@(2592x1944), 60fps@(1920x1080, 1280x960); Sub Stream: 60fps@(704x576, 640x480, 640x360); Third Stream: 30fps@(1920x1080, 1280x720, 704x576)	As per stated scope of work in the RFP requirement of 60 fps in dual stream is not elaborated in the scope of work or solution and over budgeted for general city surveillance scenario. 60 fps is used for high speed moving object application. As per industry standard, normally 60 fps in mainstream is used for general city surveillance. Also, it is restrictive for other OEM(s). Therefore, it is requested to amend the specification to allow other OEM(s) to participate in this bid. Request suggestion: 17. Video Streaming: Main Stream: 30fps@(2592x1944), 60fps@(1920x1080, 1280x960); Sub Stream: 60fps 30 fps@(704x576, 640x480, 640x360); Third Stream: 30fps@(1920x1080, 1280x720, 704x576)	Volume 2	Technical Spec.	As per RFP
456	Volume 2, 5.1 CAMERA SPECIFICATION, 5MP IP PTZ Camera 30x Optical Zoom	46	21. Protocol: IPv4/IPv6, SMTP, SNMP, UPnP, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP	Requement of certain network protocols are not described in the solution or in scope of work in the RFP. These protocols are making the specifications unnecessarily complex and restrictive for other OEM(s). Therefore, it is requested to open the opportunity for other OEM(s) by removing the unwanted network protocols, this will enable a healthy competition for selection of right products through this tendering process. Request Suggestion: 21. Protocol: IPv4/IPv6, SMTP, SNMP, UPnP, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP	Volume 2	Technical Spec.	As per RFP
457	Volume 2, 5.1 CAMERA SPECIFICATION, 5MP IP PTZ Camera 30x Optical Zoom	46	27. Advanced Function: Auto Tracking, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur	Certain features are not used widely in PTZ camera range globally, also, not applicable for outdoor environment especially in Smart City scenario. However, there are specific OEM(s) have introduced some of the feature to their cameras to use it as a tool to restrict other OEM(s) to participate in Public Procurement and try to control the bid as monopoly of the specific product. This act of monopoly may impact the over all project budget. Therefore, it is requested to make the specification standard and open the opportunity for other OEM(s) by removing the unwanted / OEM specific features, this will enable a healthy competition for selection of right products through this tendering process. Request Suggestion: 27. Advanced Function: Auto Tracking, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur	Volume 2	Technical Spec.	As per RFP

458	<p>Volume 2: Scope of Work including Functional and Technical Specification</p> <p>5. Intelligent City Surveillance System – Functional Requirement & Technical</p> <p>5.1. Camera Specification</p> <p>5MP IP PTZ Camera 30x Optical Zoom</p>	46	1. Image Sensor: 1/1.9" Progressive Scan CMOS	<p>1. Image Sensor: 1/2.8" Progressive Scan CMOS</p> <p>Requesting you to accept above changes as per the industry standard for image sensor to allow wider participation</p>	Volume 2	Technical Spec.	As per RFP
459	<p>Volume 2: Scope of Work including Functional and Technical Specification</p> <p>5. Intelligent City Surveillance System – Functional Requirement & Technical</p> <p>5.1. Camera Specification</p> <p>5MP IP PTZ Camera 30x Optical Zoom</p>	46	6. Field of View: H58°~H3°/D71°~D3°/V44°~V2°	<p>6. Field of View: H55°~H3°/D68°~D5°/V41°~V2°</p> <p>Requesting you to accept above changes as per the industry standard for image sensor to allow wider participation.</p>	Volume 2	Technical Spec.	As per RFP
460	<p>Volume 2: Scope of Work including Functional and Technical Specification</p> <p>5. Intelligent City Surveillance System – Functional Requirement & Technical</p> <p>5.1. Camera Specification</p> <p>5MP IP PTZ Camera 30x Optical Zoom</p>	46	21. Protocol: IPv4/IPv6, SMTP, SNMP, UPnP, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP	<p>21. Protocol: IPv4/IPv6, SMTP, SNMP, UPnP, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP</p> <p>Request you to remove SIP & VLAN protocols as these are not related to Cameras and limiting the participations.</p>	Volume 2	Technical Spec.	As per RFP

461	Volume 2, 5.1 CAMERA SPECIFICATION, 5MP IP PTZ Camera 30x Optical Zoom	47	35. Video Analysis: Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, People Counting, Object Left, Object Removed	<p>There are certain edge analytical features are not used widely in PTZ camera range globally, also, the use cases of these analytical features are not successful and generates false alarms due to PTZ camera not having fixed direction field of view. However, there are specific OEM(s) have introduced some of these analytical features to their PTZ cameras to use it as a tool to restrict other OEM(s) to participate in Public Procurement and try to control the bid as monopoly of the specific product. This act of monopoly may impact the over all project budget. Therefore, it is requested to make the specification standard and open the opportunity for other OEM(s) by removing the unwanted / OEM specific features, this will enable a healthy competition for selection of right products through this tendering process.</p> <p>Request Suggestion: 35. Video Analysis: Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, People Counting, Object Left, Object Removed</p>	Volume 2	Technical Spec.	As per RFP
462	Volume 2, 5.1 CAMERA SPECIFICATION, 5MP IP PTZ Camera 30x Optical Zoom	47	38. Working Condition: Temperature: -50°C~70°C / Humidity: 0~95%(Non-condensing)	<p>As per weather condition in Guwahati the lower level of temperature never go beyond 5°C. Hence, lower level of temperature at -50°C has no use but to restrict other OEM(s) to participate in the tender. Therefore, it is requested to make the specification standard and open the opportunity for other OEM(s) by removing the unwanted / OEM specific features, this will enable a healthy competition for selection of right products through this tendering process.</p> <p>Request Suggestion: 38. Working Condition: Temperature: -50°C -10°C ~70°C / Humidity: 0~95%(Non-condensing)</p>	Volume 2	Technical Spec.	As per RFP
463	Volume 2, 5.1 CAMERA SPECIFICATION, 5MP IP PTZ Camera 30x Optical Zoom	47	40. Power Consumption: 16.5W MAX / 35.5W MAX	<p>As per industry standard the upper limit of power consumption of PTZ camera without wiper is Max. 45W. Limiting the power consumption of PTZ camera at very lower level is restriction to other OEM(s). However, there are specific OEM(s) have introduced PTZ camera with very low power consumption to use it as a tool to restrict other OEM(s) to participate in Public Procurement and try to control the bid as monopoly of the specific product. This act of monopoly may impact the over all project budget. Therefore, it is requested to make the specification standard and open the opportunity for other OEM(s) by removing the unwanted / OEM specific features, this will enable a healthy competition for selection of right products through this tendering process.</p> <p>Request Suggestion: 40. Power Consumption: 16.5W MAX / 35.5W 45W MAX</p>	Volume 2	Technical Spec.	As per RFP
464	Volume 2, 5.1 CAMERA SPECIFICATION, 5MP IP PTZ Camera 30x Optical Zoom	47	41. Surge Protection: IP67 Compliant, IK10 Certified, Level 2 lightning protection 6000V surge protection	<p>As per industry best practice lightning protection shall be external for any types of IP camera. However, there are specific OEM(s) have introduced PTZ camera with built-in surge protector to use it as a tool to restrict other OEM(s) to participate in Public Procurement and try to control the bid as monopoly of the specific product. This act of monopoly may impact the over all project budget. Therefore, it is requested to make the specification standard and open the opportunity for other OEM(s) by removing the unwanted / OEM specific features, this will enable a healthy competition for selection of right products through this tendering process.</p> <p>Request Suggestion: 41. Surge Protection: IP67 Compliant, IK10 Certified, Level 2 lightning protection 6000V surge protection</p>	Volume 2	Technical Spec.	As per RFP
465	Volume 2, 5.1 CAMERA SPECIFICATION, 5 MP IP BOX Camera	47	4. Min. illumination: Color: 0.01 Lux @F1.2, B/W: 0.001 Lux@F1.2, 0 Lux at IR ON	<p>The aperture is not identical for all OEMs. As per industry standard the aperture level varies between F1.0 ~ F2.8 for all types of network camera. However, to achieve the best quality image in low light area it is essential to use appropriate lens with suitable aperture size and minimum Lux level. Hence, It is requested to amend the specification to open opportunity for other OEMs to participate in this bid.</p> <p>Request Suggestion: 4. Min. illumination: Color: 0.01 Lux @F1.2 ~ F1.6, B/W: 0.001 Lux@F1.2 ~ F1.6, 0 Lux at IR ON</p>	Volume 2	Technical Spec.	As per RFP
466	Volume 2, 5.1 CAMERA SPECIFICATION, 5 MP IP BOX Camera	47	5. Electronic Shutter: Auto, Slow Shutter, (1/1s-1/100,000s Adjustable)	<p>The shutter speed is not identical for all OEMs, to achieve the best quality image in low light area it is essential to capture sufficient light. It is requested to amend the specification to open opportunity for other OEMs to participate in this bid.</p> <p>Request Suggestion: 5. Electronic Shutter: Auto, Slow Shutter, (1/1s 1/3s-1/100,000s Adjustable)</p>	Volume 2	Technical Spec.	As per RFP
467	Volume 2, 5.1 CAMERA SPECIFICATION, 5 MP IP BOX Camera	47	9. S/N ratio: ≥60db	<p>As per industry standard the SNR value varies between 45dB ~ 70dB, however, the SNR value used by the majority of OEM(s) is >50dB as a benchmark value. The said specification is product and OEM specific. Hence, the said specification is restrictive for all OEM(s), therefore, it is requested to relax this specification by amending the specification.</p> <p>Request Suggestion: 9. S/N ratio: ≥60db ≥55dB</p>	Volume 2	Technical Spec.	As per RFP

468	Volume 2, 5.1 CAMERA SPECIFICATION, 5 MP IP BOX Camera	47	13. Video Streams: Mainstream: 5MP (2880X1620) / 2MP(1920x1080) @ 25/30fps; Sub Stream: D1 (704x576)/ CIF (352x288) @15FPS; Third Stream: VGA (640X480)/CIF (352x288) @15FPS	The specification of proposed product as mentioned in the RFP is OEM specific and restricting OEM(s) to participate in this bid. As per industry standard majority of OEM supports 20 FPS @ 5 MP resolution. It is requested to open the opportunity for other OEM(s) by amending the said specification (20 FPS @ 5MP), this will enable a healthy competition for selection of right products through this tendering process. Request Suggestion: 13. Video Streams: Mainstream: 5MP (2880X1620) @ 20fps / 2MP(1920x1080) @ 25/30fps; Sub Stream: D1 (704x576)/ CIF (352x288) @15FPS; Third Stream: VGA (640X480)/CIF (352x288) @15FPS	Volume 2	Technical Spec.	As per RFP
469	Volume 2: Scope of Work including Functional and Technical Specification 5. Intelligent City Surveillance System – Functional Requirement & Technical 5.1. Camera Specification 5MP IP PTZ Camera 30x Optical Zoom	47	30. Smart Defogger: Built-In Fan & Heater combined with Software algorithm Provide Fog Free Picture	30. Smart Defogger: Built-In Fan & Heater combined with Software algorithm Provide Fog Free Picture Built-in heater is more than sufficient to remove fog and this is industry standard also. So request you to remove fan or put as optional.	Volume 2	Technical Spec.	As per RFP
470	Volume 2: Scope of Work including Functional and Technical Specification 5. Intelligent City Surveillance System – Functional Requirement & Technical 5.1. Camera Specification 5MP IP PTZ Camera 30x Optical Zoom	47	36. System Compatibility: ONVIF Profile S, G & T . CCTV OEM Should be ONVIF Full Member.	36. System Compatibility: ONVIF Profile S, G & T . CCTV OEM Should be ONVIF Full Member. Requesting you to ask any type of ONVIF membership so as to allow wider participation. ONVIF protocols and their functionalities in the Cameras & NVRs will remain same for all types of memberships. All types of ONVIF membership will be getting the ONVIF updates & support, so asking for a limited memberships will limit the participation	Volume 2	Technical Spec.	As per RFP

471	Volume 2: Scope of Work including Functional and Technical Specification 5. Intelligent City Surveillance System – Functional Requirement & Technical 5.1. Camera Specification 5 MP IP BOX Camera	47	1.Sensor: 1/2.7", 5MP Progressive Scan CMOS Sensor	1. Sensor: 1/2.8", 5MP Progressive Scan CMOS Sensor Requesting you to accept above changes as per the industry standard for image sensor to allow wider participation	Volume 2	Technical Spec.	As per RFP
472	Volume 2, 5.2 Public Address System	48	Built-in 30 W amplifier	We suggest to use a 50 watt IP Amplifier with 2 no's 20 watt speaker at each junction. This will ensure uniform coverage in all directions. This is a proven solution and used in various smart/safe cities.	Volume 2	Technical Spec.	As per RFP
473	Volume 2, 5.1 CAMERA SPECIFICATION, 5 MP IP BOX Camera	48	15. Protocol: TCP/IP, IPv4,IPv6, RTCP, NTP, UPnP, SMTP, FTP, ICMP, HTTP, HTTPS, HTTP-Base64, HTTP-Digest, DHCP, DNS, DDNS, RTP, RTSP, IGMP, P2P, IP Filter, SNMP V1 & V2	Requement of certain network protocols are not described in the solution or in scope of work in the RFP. These protocols are making the specifications unnecessarily complex and restrictive for other OEM(s). Therefore, it is requested to open the opportunity for other OEM(s) by removing the unwanted network protocols, this will enable a healthy competetion for selection of right procutcs thourgh this tendering process. Request Suggestion: 15. Protocol: TCP/IP, IPv4,IPv6, RTCP, NTP, UPnP, SMTP, FTP, ICMP, HTTP, HTTPS, HTTP-Base64, HTTP-Digest , DHCP, DNS, DDNS, RTP, RTSP, IGMP, P2P , IP Filter, SNMP V1 & V2	Volume 2	Technical Spec.	As per RFP
474	Volume 2: Scope of Work including Functional and Technical Specification 5. Intelligent City Surveillance System – Functional Requirement & Technical 5.1. Camera Specification 5 MP IP BOX Camera	48	14. Security Feature: New Password Policy, ActiveX Remove, Shifting to HTML5, HTTPS, Video Encryption , HTTPS X 509 certificate, syslog, 801.X, Trusted Boot	14. Security Feature: New Password Policy, ActiveX Remove, Shifting to HTML5 , HTTPS, Video Encryption, HTTPS X 509-certificate, syslog, 801.X, Trusted Boot Request you to remove the suggested features as these are limiting the participations. Also, please add some security features as per industry standard.	Volume 2	Technical Spec.	As per RFP

475	Volume 2: Scope of Work including Functional and Technical Specification 5. Intelligent City Surveillance System – Functional Requirement & Technical 5.1. Camera Specification 5 MP IP BOX Camera	48	15. Protocol: TCP/IP, IPv4,IPv6, RTCP, NTP, UPnP, SMTP, FTP, ICMP, HTTP, HTTPS, HTTP-Base64, HTTP-Digest, DHCP, DNS, DDNS, RTP, RTSP, IGMP, P2P, IP Filter, SNMP V1 & V2	15. Protocol: TCP/IP, IPv4,IPv6, RTCP, NTP, UPnP, SMTP, FTP, ICMP, HTTP, HTTPS, HTTP-Base64, HTTP-Digest , DHCP, DNS, DDNS, RTP, RTSP, IGMP, P2P , IP Filter, SNMP V1 & V2 & V3 Reuest you to remove HTTP-Base64, HTTP-Digest & P2P as these are limiting the participations.	Volume 2	Technical Spec.	As per RFP
476	Volume 2: Scope of Work including Functional and Technical Specification 5. Intelligent City Surveillance System – Functional Requirement & Technical 5.1. Camera Specification 5 MP IP BOX Camera	48	18. System Compatibility: ONVIF Profile S, G & T . CCTV OEM Should be ONVIF Full Member.	18. System Compatibility: ONVIF Profile S, G & T . CCTV OEM Should be ONVIF Full Member. Requesting you to ask any type of ONVIF membership so as to allow wider participation. ONVIF protocols and their functionalities in the Cameras & NVRs will remain same for all types of memberships. All types of ONVIF membership will be getting the ONVIF updates & support, so asking for a limited memberships will limit the participation	Volume 2	Technical Spec.	As per RFP
477	Volume 2, 5.2 Public Address System (IP Speaker Software)	49	OEM of software should be CMMI Level 5.	Please accept CMMI Level 5 or IEC 62443, ISO 27001, this relates to IT security and secure product development lifecycle and International standard for Information security Respectively.	Volume 2	Technical Spec.	As per RFP
478	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH Industrial Grade Switch 16 Port Switch	49	Protection Class should be minimum IP 30 and NEMA TS-2	Please Amend the clause as below as it is restricting other OEM's: Protection Class should be minimum IP 30 and NEMA TS-2 Please Remove the NEMA TS-2	Volume 2	Technical Spec.	As per RFP
479	Volume 2, Section 5, Point no 5.6 VMD	79	LED Display Size 3000 X 1500 X 200 mm	In BOQ size mentioned is (1.9m X 2.8m) which is not matching with RFP. Please clarify the size of VMD	Volume 2	Technical Spec.	Please refer BOQ description
480	Volume 4, BOQ Point no 3. Variable Message Display	79	Material for VMS frame: at least 2mm aluminum or Non-corrosive, water resistant or better. Frame of the VMS is Matte black & Powder coated.	Material for VMS frame - 1.2mm is normally preferred. So can we consider 1.2 mm or 2mm is mandatory?	Volume 2	Technical Spec.	1.2 mm is accepted.
481	Volume 2, Section 5, Point no 5.6 VMD	79	OHSAS18001:2007	OHSAS18001:2007 is not applicable now. It is replaced by ISO 45001:2018. So, Please accept ISO 45001:2018 also.	Volume 2	Technical Spec.	ISO 45001:2018 is acceptable

482	Volume-2 5.6 VMD (Variable Messaging Display)	80	OEM should have at least 80 Nos installations of outdoor LED wall in a single network with content being published centrally and control also being done centrally. Proof of this should be submitted. Size of these installs should be similar or bigger and should be in India running for at least 1 year successfully.	There is requirement of only 10 VMD in the BOQ and criteria asked for an order of 80 VMS's in a single order which seems to have no relevance to the project and seems to be favouring some specific OEM, So we request you to please amend the clause as below: OEM should have at least 20 Nos installations of outdoor LED wall in a single network with content being published centrally and control also being done centrally.	Volume 2	Technical Spec.	As per RFP
483	VOL:II 5.8.1.1 KVA TRUE ONLINE UPS WITH 60 MINUTES BACK-UP	88	UPS OEM should have ongoing service & maintenance contracts for ≥1000 nos. On-Line UPS Systems to Govt./PSU organizations in Assam & NE as proof of having 24 x 7 x 365 service support capabilities and competency along with their Client references.	UPS OEM should have ongoing service & maintenance contracts for ≥1000 nos. On-Line UPS Systems to Govt./PSU organizations in PAN INDIA as proof of having 24 x 7 x 365 service support capabilities and competency along with their Client references.	Volume 2	Technical Spec.	As per RFP
484	VOL:II 5.8.1.1 KVA TRUE ONLINE UPS WITH 60 MINUTES BACK-UP	88	UPS OEM should have past experience for deploying minimum 2000 nos. of ≥1 KVA UPS Systems in any Govt/PSU project in Assam & NE in a single order	UPS OEM should have past experience for deploying minimum 2000 nos. of ≥1 KVA UPS Systems in any Govt/PSU project in PAN INDIA in a single order	Volume 2	Technical Spec.	As per RFP
485	VOL:II 5.8.3 100 KVA MODULAR ONLINE UPS WITH 60 MINUTES BACK-UP	90	UPS OEM should have ongoing service & maintenance contracts for ≥1000 nos. On-Line UPS Systems to Govt./PSU organizations in Assam & NE as proof of having 24 x 7 x 365 service support capabilities and competency along with their Client references.	UPS OEM should have ongoing service & maintenance contracts for ≥1000 nos. On-Line UPS Systems to Govt./PSU organizations in PAN INDIA as proof of having 24 x 7 x 365 service support capabilities and competency along with their Client references.	Volume 2	Technical Spec.	As per RFP
486	VOL:II 5.8.3 100 KVA MODULAR ONLINE UPS WITH 60 MINUTES BACK-UP	90	UPS OEM should have past experience for deploying minimum 2000 nos. of ≥1 KVA UPS Systems in any Govt/PSU project in Assam & NE in a single order	UPS OEM should have past experience for deploying minimum 2000 nos. of ≥1 KVA UPS Systems in any Govt/PSU project in PAN INDIA in a single order	Volume 2	Technical Spec.	As per RFP
487	VOL:II 5.8.3 100 KVA MODULAR ONLINE UPS WITH 60 MINUTES BACK-UP	94	UPS OEM should have ongoing service & maintenance contracts for ≥1000 nos. On-Line UPS Systems to Govt./PSU organizations in Assam & NE as proof of having 24 x 7 x 365 service support capabilities and competency along with their Client references.	UPS OEM should have ongoing service & maintenance contracts for ≥1000 nos. On-Line UPS Systems to Govt./PSU organizations in PAN INDIA as proof of having 24 x 7 x 365 service support capabilities and competency along with their Client references.	Volume 2	Technical Spec.	As per RFP
488	VOL:II 5.8.3 100 KVA MODULAR ONLINE UPS WITH 60 MINUTES BACK-UP	94	UPS OEM should have past experience for deploying minimum 2000 nos. of ≥1 KVA UPS Systems in any Govt/PSU project in Assam & NE in a single order	UPS OEM should have past experience for deploying minimum 2000 nos. of ≥1 KVA UPS Systems in any Govt/PSU project in PAN INDIA in a single order	Volume 2	Technical Spec.	As per RFP
489	Volume 2: Scope of Work including Functional and Technical Specification	99	A central IoT & AI Platform for integrating the Sensor Data and Application Data from the various city-wide urban systems. It should be pre-integrated with various sub systems like – IoT, Complex Event processing, Big Data, BI and AI Advanced Data Analytics, API/ESB, BPM, GIS, Security and Logging & Monitoring. Also, it should support rich pre-integrated tools for Provisioning and Administration, Building Dashboards and Deploying and Building ML Models and deploying.	As all components listed in this clause are not required in every smart city, hence this clause favours particular ICCO OEM and will restrict the participation of others vendors/OEMs. The clause should speak about the capability of the system to integrate with all the components & Platforms mentioned. Therefore, you are kindly requested to please amend the clause as below. "A central IoT & AI Platform for integrating the Sensor Data and Application Data from the various city-wide urban systems. It should be able to integrate with various sub systems like – IoT, Complex Event processing, Big Data, BI and AI Advanced Data Analytics, API/ESB, BPM, GIS, Security and Logging & Monitoring. Also, it should support rich pre-integrated tools for Provisioning and Administration, Building Dashboards and Deploying and Building ML Models and deploying."	Volume 2	Technical Spec.	As per RFP

490	Volume 2: Scope of Work including Functional and Technical Specification	101	API Management System Point No 66 To 82	<p>Clarification required, Request to you please clarify API Management System OEM (Make and Model) should be same as ICC Platform OEM?</p> <p>Or it can be any open source /Third-Party OEM Like WS02, RedHat etc. ?</p> <p>If it is from same OEM then self certification should be asked on OEMs letter-head for the same .</p> <p>In Case this component can be from third-party then please remove the specification from The ICC Platform scope and should be a seperate scope of work for API Management System.</p> <p>We would also have suggestion to make this cost effective solution. Component can be from any open source readily available and only one resource can be asked in RFP with required skill set to manage this component.</p>	Volume 2	Technical Spec.	As per RFP
491	Volume 2: Scope of Work including Functional and Technical Specification	102	ESB System Point No 83 To 94	<p>Clarification required, Request to you please clarify ESB System OEM (Make and Model) should be same as ICC Platform OEM?</p> <p>Or it can be any open source /Third-Party OEM Like WS02, RedHat etc. ?</p> <p>If it is from same OEM then self certification should be asked on OEMs letter-head for the same .</p> <p>In Case this component can be from third-party then please remove the specification from The ICC Platform scope and should be a seperate scope of work for ESB System combined with API Management System.</p>	Volume 2	Technical Spec.	As per RFP
492	Volume 2: Scope of Work including Functional and Technical Specification	103	Complex Event Processing System Point No 95 To 121	<p>Is our understanding correct that Complex Event Processing System and IoT Platform are same components?</p> <p>If it is so, then in that case specification from Point No 95 To 121 should be removed from ICC platform scope and in BOQ another component should be added.</p>	Volume 2	Technical Spec.	As per RFP
493	Volume 2: Scope of Work including Functional and Technical Specification	104	Data Management System- Big Data System Point No 122 To 149	<p>Clarification Required, As we are unable to understand why the Bigdata component specification falling under Scope of ICC Platform. ICC platform will integrate with Bigdata not the all specification should come under the scope of ICC platform. So , is our understanding correct that ICC platform should be able to integrate with Big data is actual requirement?</p>	Volume 2	Technical Spec.	As per RFP
494	Volume 2- section 5.10	108	Platform should provide capabilities to subset data independently without any technology intervention	<p>Clause mentioning "Platform should provide capabilities to subset data independently without any technology intervention" is ambiguous in nature as how come any platform can achieve this requirement without the use of any technology intervention ? Hence, we request you to kindly relax such clause who is giving undue advantage to specific set of OEM.</p>	Volume 2	Technical Spec.	As per RFP
495	5.10 Integrated Command and Control Centre(ICC)	109	S.no - 237 Description - It should be possible to visualize all the Assets (Sensor, Devices, Vehicles, Cameras, other city resources) on map.	<p>We assume that all the Assets (Sensor, Devices, Vehicles, Cameras, other city resources) and other assets/Sensors, required in project, will be provided by MSI/Vendor, in GIS ready spatial format.</p>	Volume 2	Technical Spec.	As per RFP
496	Volume 2: Scope of Work including Functional and Technical Specification	113	Configurable Dashboard Point No 322 To 341	<p>Clarification Required, Request to you please clarify Configurable Dashboard OEM (Make and Model) should be same as ICC Platform OEM ?</p> <p>Or it can be any Third-Party OEM Like Power BI, Tableau etc. ?</p> <p>If it is from same OEM then self certification should be asked on OEMs letter-head for the same .</p> <p>In Case this component can be from third-party then please remove the specification from The ICC Platform scope or please mention specifically that the Dashboard specifications can be from third party OEM.</p> <p>We would also have suggestion to make this cost effective solution. Component can be from any open source readily available and only one resource can be asked in RFP with required skill set to manage this component and Integration with third party tool should be under scope of ICC Platform.</p>	Volume 2	Technical Spec.	As per RFP

497	5.10 Integrated Command and Control Centre(ICCC) Should Support Integration with future Applications. Parameter- Solid Waste Management System	121	S.no - 10 Application Use Cases - Creation of POI's by providing details such as Zone, Ward, POI Name, POI Type, POI Long/Lat, POI Radius, POI Address.	We assume that specific facility like Road layer, Utility layer, Building Structure, Admin boundary layer, and other spatial layer required in project as base map will be provided by Department, in GIS ready spatial format	Volume 2	Technical Spec.	As per RFP
498	Volume 2: Scope of Work including Functional and Technical Specification 5.11 ENTERPRISE MANAGEMENT SYSTEM	124	EMS/ NMS OEM must be an industry standard solution and shall be present in Network Automation and Orchestration Tools report. Documentary proof must be submitted at the time of submission.	This report is foreign report, as per the Make In India policy such kind of restriction should not be there. This clause restricting various make in india OEM to be participate . Request to authority please remove this clause.	Volume 2	Technical Spec.	As per RFP
499	Volume 2- section 5.11	124	For effective operations and management of IT Operations , there is a need for an industry- standard Enterprise Management System (EMS). Given the expanse and scope of the project, EMS becomes very critical for IT Operations and SLA Measurement. Some of the critical aspects that need to be considered for operations of IT setup of are: a) Network Fault Management b) Network Performance Management c) Network Configuration Management d) Server Performance Monitoring e) Network Traffic Analysis f) Centralized Log management g) Centralized and unified Dashboard h) Centralized and customizable service level reporting i) Helpdesk for Incident management j) Asset Management k) Project Management	Generally, Project management is not the part of EMS/NMS platform. This clause is giving undue advantage to such OEMs who develop their platform around such approach. We request you to kindly separate the scope of project management from EMS.	Volume 2	Technical Spec.	As per RFP
500	Volume 2- section 5.11	124	There should be a tight integration between infrastructure metrics and logs to have the single consolidated console of Infrastructure & security events.	Security events are not part of EMS and it shall be taken care by relevant security systems like firewall etc. so, request to ammend the clause as below for wider participation "There should be a tight integration between infrastructure metrics and logs to have the single consolidated console of Infrastructure network events"	Volume 2	Technical Spec.	As per RFP
501	Volume 2- section 5.11	124	The Operator should be able to pull up security events related to a given Configuration Item, from a single console which also has NOC events, and use the security events to triage the problem. This way the Operator gets consolidated system/network event details and security events (current and historical) from the same console and save time in troubleshooting / isolating the issue.	Security events are not part of NMS and it shall be taken care by relevant security systems like firewall etc. so, request to ammend the clause as below for wider participation. "The Operator should be able to pull up events related to a given device from a single console and use the events to triage the problem. This way the Operator gets consolidated system & network event details from the same console and save time in troubleshooting / isolating the issue."	Volume 2	Technical Spec.	As per RFP
502	Volume 2- section 5.11	124	EMS/ NMS OEM must be an industry standard solution and shall be present in Network Automation and Orchestration Tools report. Documentary proof must be submitted at the time of submission.	This clause is asking for report from analytics which is basically provided by foreign institutes/organizations like Gartner/IDC/forester which is a foreign certificate. As a part of ""Make in India"" initiative, We request that a level playing field must be provided to Indian Start-up, MSME companies to participate in the Government projects without requirement to foreign certification. Hence, we request you to kindly remove this clause for wider participation.	Volume 2	Technical Spec.	As per RFP

503	Volume 2: Scope of Work including Functional and Technical Specification 5.11 ENTERPRISE MANAGEMENT SYSTEM	125	The monitoring module of proposed solution must not use any third party database (including RDBMS and open source) to store data in order to provide full flexibility and control on collected data as well as avoiding tempering with SLA calculations	This clause is very restrictive in for single OEM. Almost every application vendor user third party database. This clause should be removed. Suggested clause: The monitoring module of proposed solution use any third party database (including RDBMS and open source) to store data in order to provide full flexibility and control on collected data as well as avoiding tempering with SLA calculations. Tempering of data should be ensured by OEM by using various encryptions and restrictive access of the database.	Volume 2	Technical Spec.	As per RFP
504	Volume 2: Scope of Work including Functional and Technical Specification 5.11 ENTERPRISE MANAGEMENT SYSTEM	125	The OEM of the proposed EMS solution should have presence of min. 10 years in the market and the solution should be deployed in min. 5 smart city projects in India. The documentary proof should be submitted at time of the bid submission.	The OEM of the proposed EMS solution should have presence of min. 10 years in the market and the solution should be deployed in min.5 projects across smart city/safe city/ any govt. organization/ BFSI projects in India. The documentary proof should be submitted at time of the bid submission.	Volume 2	Technical Spec.	As per RFP
505	Volume 2- section 5.11	125	The OEM of the proposed EMS solution should have presence of min. 10 years in the market and the solution should be deployed in min. 5 smart city projects in India. The documentary proof should be submitted at time of the bid submission.	With reference to the Office memorandum published by Ministry of commerce and industry department for promotion of Industry and internal trade (Public procurement section) vide ref: P-45014/33/2021-BE-II (E-64737), dated: 20th Dec 2022. Specifying the Eligibility criteria put against the MII OEMs to restrict the participation is mentioned under the restrictive & discriminatory conditions against the local suppliers. Hence, we request you to kindly amend the clause as mentioned below for wider participation "The OEM of the proposed EMS solution should have presence of min. 10 years in the market and the solution should be deployed in min. 5 projects of smart city/large enterprises/Airports/Educational Institutions etc. in India. The documentary proof should be submitted at time of the bid submission.	Volume 2	Technical Spec.	As per RFP
506	Volume 2- section 5.11	126	The proposed system should be able to auto-calculate resource utilization baselines for the entire managed systems and networks and allow user choose algorithms that is more relevant to specific KPI in case of false positive	We understand that the clause demanded that "The proposed system should be able to auto-calculate resource utilization baselines for the critical components of the managed critical systems". Kindly confirm whether our understanding is correct.	Volume 2	Technical Spec.	As per RFP
507	Volume 2- section 5.11	126	The agents should be extensible and customizable allowing incorporation of any required monitoring source not included in the out-of-the-box monitoring policies. With capabilities to collect and analyze performance data from the operating system and installed applications and use historical patterns to establish performance baselines.	Some OEMs do not operate with agent based monitoring. Hence, it is restrictive in nature, we request you to kindly amend the clause as mentioned below for wider participation without hampering functional requirement. "The solution should be extensible and customizable allowing incorporation of any required monitoring source monitoring policies."	Volume 2	Technical Spec.	As per RFP
508	Volume 2- section 5.11	126	The solution must provide agentless and agent based method for managing the nodes and have the capability of storing events / data locally if communication to the management server is not possible due to some problem. This capability will help to avoid losing critical events.	Some OEMs do not operate with agent based monitoring. Hence, it is restrictive in nature, we request you to kindly amend the clause as mentioned below for wider participation without hampering functional requirement. "The tool should be agentless/agent for managing the nodes and for managing the nodes."	Volume 2	Technical Spec.	As per RFP
509	Volume 2- section 5.11	126	The NMS admin consol must provide the ability to start, stop and restart the agent on target server infrastructure and the agent should provide collection capabilities not limited to just KPIs but also support collecting raw logs as well as packets.	Some OEMs do not operate with agent based monitoring. Hence, it is restrictive in nature, we request you to kindly amend the clause as mentioned below for wider participation without hampering functional requirement. We request to relax this as it is applicable for agent based monitoring only.	Volume 2	Technical Spec.	As per RFP
510	Volume 2- section 5.11	126	The proposed EMS solution must provide agentless as well as agent based monitoring for server infrastructure. The agents should be able to set polling interval as low as 1 second with low overhead on target server infrastructure.	Some OEMs do not operate with agent based monitoring. Hence, it is restrictive in nature, we request you to kindly amend the clause as mentioned below for wider participation without hampering functional requirement. "The proposed NMS solution must provide agentless/agent based monitoring for server infrastructure. The system should set polling interval for 1 minute as per the best practices standards."	Volume 2	Technical Spec.	As per RFP
511	Volume 2: Scope of Work including Functional and Technical Specification 5.11 ENTERPRISE MANAGEMENT SYSTEM	129	The proposed helpdesk solution should have achieved PinkVERIFY certification on at least 6 available ITIL processes such as Incident Management, Request Management, Problem Management, Change Management, Availability Management and Event Management (Documentary proof should be provided at the time of bidding).	This clause is very specific to single OEM: The proposed helpdesk solution should have achieved PinkVERIFY certification on at least any 6 available ITIL v3 processes such as Incident Management, Request Management, Problem Management, Change Management, Availability Management and Event Management , Service Level Management, Service Asset & Configuration management, Knowledge management etc. (Documentary proof should be provided at the time of bidding).	Volume 2	Technical Spec.	As per RFP

512	Volume 2- section 5.11	129	The proposed helpdesk solution should have achieved PinkVERIFY certification on at least 6 available ITIL processes such as Incident Management, Request Management, Problem Management, Change Management, Availability Management and Event Management (Documentary proof should be provided at the time of bidding).	Since PinkVerify certificate is asked in the tender & connecting ITSM tool with NMS & making it available from same OEM restricts other Make in India OEMs to participate: PinkVerify certificate is a foreign certificate which is under restrictive criteria as per GOI - MII Policy. As a part of "Make in India" initiative, MoUD has advised that restrictive clauses that work against the Indian companies should be modified or removed. Such conditions include - requirement of foreign certifications such as ITIL gold/Pink Verify etc. (Refer enclosed GoI policy). Moreover, PinkVerify is no more doing this certificate, this info can be validated in the article published on 15th May 2023 where PeopleCert ends partnership with Pink Elephant. Article link: https://www.businesswire.com/news/home/20230517005620/en/Goodbye-ITIL%C2%AE-%E2%80%93-PeopleCert-Ends-Partnership-with-Pink-Elephant We request that a level playing field must be provided to Indian Start-up, MSME companies to participate in the Government projects without requirement to foreign certification. Hence, we request you to kindly remove this clause for wider participation.	Volume 2	Technical Spec.	As per RFP
513	Volume 2- section 5.11	129	The Proposed solution should support Software License Metering: Helps to understand the software license compliance and the use of unauthorized software in the organization and helps to act proactively to curb illegal usage and problems associated with it.	We understand that clause mentioning "The Proposed solution should support Software License Metering: Helps to understand the software license compliance and the use of unauthorized software in the organization and helps to act proactively to curb illegal usage and problems associated with it." interprets below "The Proposed solution should support maintaining details of Software versions" Kindly confirm whether our understanding is correct.	Volume 2	Technical Spec.	As per RFP
514	Volume 2- section 5.11	129	Proposed helpdesk should have support of inbuilt conversational AI.	We understand that inbuilt conversational AI means the AI Chatbot. Kindly confirm whether our understanding is correct.	Volume 2	Technical Spec.	As per RFP
515	Volume 2- section 5.11	131	Proposed NMS solution must have deployment reference in Smart city for monitoring & managing network nodes in at least 5 Smart City Projects.	With reference to the Office memorandum published by Ministry of commerce and industry department for promotion of Industry and internal trade (Public procurement section) vide ref: P-45014/33/2021-BE-II (E-64737), dated: 20th Dec 2022. Specifying the Eligibility criteria put against the MII OEMs to restrict the participation is mentioned under the restrictive & discriminatory conditions against the local suppliers. Hence, we request you to kindly amend the clause as mentioned below for wider participation "Proposed NMS solution must have deployment reference in smart city/large enterprises/Airports/Educational Institutions etc. in India for monitoring & managing network nodes in at least 5 Projects."	Volume 2	Technical Spec.	As per RFP
516	Volume 2: Scope of Work 5.12 VIDEOWALL	132	Technology-LED/ LASER Lit DLP Rear Projection Technology without any colour wheel	LASER Lit DLP Rear Projection Technology DLP technology uses millions of mirrors which move in on & off state throughout without causing any issue, so the movement of a colour wheel is not an issue at all & results in better colour & quality of images on the screen.	Volume 2	Technical Spec.	As per RFP
517	Volume 2: Scope of Work including Functional and Technical Specification 5.11 ENTERPRISE MANAGEMENT SYSTEM	132	Proposed NMS solution must have deployment reference in Smart city for monitoring & managing network nodes in at least 5 Smart City Projects.	Proposed NMS solution must have deployment reference in Smart city/safe city/ any govt organizations/ BFSI etc. for monitoring & managing network nodes in at least 5 projects.	Volume 2	Technical Spec.	As per RFP
518	Volume 2: Scope of Work 5.12 VIDEOWALL	133	Brightness on Screen - Minimum 500 cd/m2 and should be adjustable for lower or even higher brightness requirements	Minimum 350 cd/m2 and should be adjustable for lower or even higher brightness requirements This will allow participation from other OEMs	Volume 2	Technical Spec.	As per RFP
519	Volume 2: Scope of Work 5.12 VIDEOWALL	133	Dynamic Contrast- System must be modular in installation; Dark box type stacking model is not acceptable	System must be modular in installation Dark Box is OEM Specific	Volume 2	Technical Spec.	As per RFP
520	Volume 2: Scope of Work 5.12 VIDEOWALL	133	Heat dissipation - Less than 650 BTU I h, with noise < 20 dB(A) one module at 5m distance in front	Less than 1078 BTU/hr This will allow participation from other OEMS	Volume 2	Technical Spec.	As per RFP
521	Volume 2: Scope of Work 5.12 VIDEOWALL	133	Control - IP Based control; old IR based control should not be acceptable	IR remote control and IP based control should also be provided for quick access IR remote is preferred as it is user friendly & easy to operate manually by the operators	Volume 2	Technical Spec.	As per RFP

522	Volume 2: Scope of Work 5.12 VIDEOWALL	133	Remote - IP based control should also be provided for quick access; old IR based control should not be acceptable	IR remote control and IP based control should also be provided for quick access IR remote is preferred as it is user friendly & easy to operate manually by the operators	Volume 2	Technical Spec.	As per RFP
523	Volume 2: Scope of Work 5.12 VIDEOWALL	133	Terminal in each Cube - 2x Input (DPI.2) 2x Input (HDMI2.0) 2x LAN 2x USB	Inputs: 2 x HDMI, 1x DPI.2, 1x LAN Ethernet Outputs: 2x Output (DPI.2) / HDMI 1. Since video wall will be controller through video wall controller which has 2 LAN ports. So 1 LAN port in video wall is enough for the application. 2. The current specification is proprietary to a particular manufacturer not allowing other OEM to participate	Volume 2	Technical Spec.	As per RFP
524	Volume 2: Scope of Work 5.12 VIDEOWALL	133	Power Consumption in Full Bright- Power Consumption for each VDU/Rear Projection Modules should be less than 180 Watts	Modules should be less than 350 Watts This will allow participation from other OEMs	Volume 2	Technical Spec.	As per RFP
525	Volume 2: Scope of Work 5.12 VIDEOWALL	133	Power Supply - 100 -240 VAC, 50-60Hz; Option to have Redundant Power Supply in each cube	100 -240 VAC, 50-60Hz; Redundant hotswappable power Supply built in in each cube (Extental power supply not acceptable) This will ensure fail safe operation for critical ICCC application	Volume 2	Technical Spec.	As per RFP
526	Volume 2: Scope of Work 5.12 VIDEOWALL	134	Cube control & Monitoring - System should be AI (Artificial Intelligence) and non-AI based advance proactive with Advance Pro-active real-time Monitoring and Diagnosis of hardware over cloud for predictive failure to have maximum uptime.	Request you to kindly change as below because the specs are propriety to one vendor : Advance Pro-active real-time Monitoring and Diagnosis of hardware should be provided. OEM Specific - Pls remove	Volume 2	Technical Spec.	As per RFP
527	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH Industrial Grade Switch 8 Port Switch	148	Switch Should support 16K MAC addresses and 4000 VLAN	Please Ammend the clause as below: Switch Should support 8K MAC addresses and 4000 VLAN	Volume 2	Technical Spec.	As per RFP
528	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH Industrial Grade Switch 8 Port Switch	148	Protection Class should be minimum IP 30 and NEMA TS-2	Please Ammend the clause as below as it is restricting other OEM's: Protection Class should be minimum IP 30 and NEMA TS-2 Please Remove the NEMA TS-2	Volume 2	Technical Spec.	As per RFP
529	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH	148	The Switch Should be Industrial grade in nature and should have 8x10/100/1000 Base-T PoE+ ports and 4x100/1000 Base-X SFP ports and to be supplied with required module.	Request to please change this as "The Switch Should be Industrial grade in nature and should have 8x10/100/1000 Base-T PoE+ ports and 2x100/1000 Base-X SFP ports and to be supplied with required module", for wider OEM participations. The kind of requirement asked here doesnt require 4 Nos. of SFP ports, So request modification against the same	Volume 2	Technical Spec.	As per RFP
530	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH	148	Switch Should support 16K MAC addresses and 4000 VLAN	Request to please change this as "Switch Should support 8K MAC addresses and 4000 VLAN ID", for wider OEM participations. 8K MAC is sufficient for field level connectivity. The kind of requirement asked here doesnt require this much of MAC Addresses, So request modification against the same	Volume 2	Technical Spec.	As per RFP
531	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH	148	Switch should support Jumbo frame, ITU-T G.8032, IEEE 802.1ad, IEEE 802.1Q, IEEE 802.1v, IEEE 802.3ac, IEEE 802.1AX, DHCP Server and Relay for IPv4 and IPv6, DHCP Option 82	Request to please change this as "Switch should support Jumbo frame, ITU-T G.8032/ERPS, IEEE 802.1ad, IEEE 802.1Q, IEEE 802.1v, DHCP Server or Relay for IPv4 and IPv6, DHCP Option 82", for wider OEM participations.	Volume 2	Technical Spec.	As per RFP
532	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH	148	Should support UDLD, Digital Diagnostic monitoring, Port and VLAN mirroring and IEEE 802.1ag or equivalent.	Request to please change this as "Should support UDLD, Digital Diagnostic monitoring OR equivalent, Port and VLAN mirroring", for wider OEM participations.	Volume 2	Technical Spec.	As per RFP
533	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH	148	Should support SNMPv6, Telnetv6 and SSHv6, NTPv6, Openflow and have USB or equivalent interface for easy backup and restore.	Request to please change this as "Should support SNMPv6, Telnetv6 or and SSHv6, NTP, Openflow/REST API and have USB or equivalent interface for easy backup and restore.", for wider OEM participations.	Volume 2	Technical Spec.	As per RFP
534	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH	148	Switch should support MAC Sec/FIPS 180-1 and IEEE 1588v2 PTP	Request to please remove this for wider OEM participations.	Volume 2	Technical Spec.	As per RFP
535	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH	148	Switch should be EN5022, EN5024, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-8, IEC60068-2-31, IEC60068-2-27, IEC60068-2-6 and RoHS.	Request to please change this as "Switch should be EN5022, EN5024 or equivalent or higher, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-8, IEC60068-2-31, IEC60068-2-27 IEC60068-2-6 or equivalent or higher of the mentioned all the standards and RoHS.	Volume 2	Technical Spec.	As per RFP

536	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH	148	Should support UDLD or equivalent feature to prevent loops on detecting unidirectional links, Connectivity Fault Management, Monitoring Temperature, Supply voltage, Average transmit power, Average receive power and Laser bias current of the FO module, should have feature if any intrusion is detected on fiber link the particular port should be shutdown	Request to please change this as "Should support UDLD or equivalent feature to prevent loops on detecting unidirectional links, Monitoring Temperature, Supply voltage, Average transmit power, Average receive power, should have feature if any intrusion is detected on fiber link the particular port should be shutdown automatically".	Volume 2	Technical Spec.	As per RFP
537	5.14 INDUSTRIAL GRADE SWITCH 8 Port Switch	148	The Switch Should be Industrial grade in nature and should have 8x10/100/1000 Base-T PoE+ ports and 4x100/1000 Base-X SFP ports and to be supplied with required module.	Fiber Ports Not Support MDI/MDIX Auto Negotiation so kindly remove 100 Base-X SFP Port Support.	Volume 2	Technical Spec.	As per RFP
538	5.14 INDUSTRIAL GRADE SWITCH 8 Port Switch	148	Switch should support Jumbo frame, ITU-T G.8032, IEEE 802.1ad, IEEE 802.1Q, IEEE 802.1v, IEEE 802.3ac, IEEE 802.1AX, DHCP Server and Relay for IPv4 and IPv6, DHCP Option 82	IEEE 802.1AX, DHCP Server not required for Industrial Grade Switch so Kindly Remove highlighted and Allow other OEMs to participate	Volume 2	Technical Spec.	As per RFP
539	5.14 INDUSTRIAL GRADE SWITCH 8 Port Switch	148	Switch should support IGMP v1/v2/v3 snooping, MLD v1/v2 snooping with min 512 multicast group.	Please Change the Requirement for the multicast group as 256 Multicast group or more	Volume 2	Technical Spec.	As per RFP
540	5.14 INDUSTRIAL GRADE SWITCH 8 Port Switch	148	Should support UDLD, Digital Diagnostic monitoring, Port and VLAN mirroring and IEEE 802.1ag or equivalent.	VLAN mirroring and IEEE 802.1ag not required for Industrial Grade Switch so Kindly Remove highlighted and add Port-based and 802.1Q tag-based VLANs, MAC-based VLANs, IP subnet-based VLANs, Protocol-based VLANs with multiple uplinks, Q in Q Vlan and Allow other OEMs to participate	Volume 2	Technical Spec.	As per RFP
541	5.14 INDUSTRIAL GRADE SWITCH 8 Port Switch	148	Should support SNMPv6, Telnetv6 and SSHv6, NTPv6, Openflow and have USB or equivalent interface for easy backup and restore.	Being Industrial Grade switch in the field required would be Should support SNMPv6, Telnetv6 and SSHv6, Kindly Help to Remove NTPv6, Openflow and have USB or equivalent interface for easy backup and restore.	Volume 2	Technical Spec.	As per RFP
542	5.14 INDUSTRIAL GRADE SWITCH 8 Port Switch	148	Switch should support MAC Sec/FIPS 180-1 and IEEE 1588v2 PTP	MAC Sec/FIPS 180-1 required for End of End Security and its not asked for rest switches so Kindly Remove highlighted and add Switch should support L2/L3 ACL for added security and IEEE 1588v2 Precision Time Protocol HW-Based E2E Transparent clock to allow other OEMs to participate as per requirement.	Volume 2	Technical Spec.	As per RFP
543	5.14 INDUSTRIAL GRADE SWITCH 8 Port Switch	148	Operating Temperature of switch should be -40°C to 75°C	Kindly Change the Requirements to -40°C ~ 70°C and Allow other OEMs to participate.	Volume 2	Technical Spec.	As per RFP
544	5.14 INDUSTRIAL GRADE SWITCH 8 Port Switch	148	The switch should have internal/external (DIN rail mountable) AC power supply.	Being Industrial Grade switch in the field required would be for DC power Kindly help to remove or change the requirements to The switch should have internal/external (DIN rail mountable) AC/DC power supply.	Volume 2	Technical Spec.	As per RFP
545	5.14 INDUSTRIAL GRADE SWITCH 8 Port Switch	148	Switch should be EN55022, EN55024, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-8, IEC60068-2-31, IEC60068-2-27, IEC60068-2-6 and RoHS.	IEC60068-2-31, IEC60068-2-27, IEC60068-2-6 or Equivalent Certification will allow other OEMs to participate.	Volume 2	Technical Spec.	As per RFP
546	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH Industrial Grade Switch 16 Port Switch	149	Should support SNMPv6, Telnetv6 and SSHv6, NTPv6, Openflow and have USB or equivalent interface for easy backup and restore.	Please Amend the clause as below: Should support SNMPv6, Telnetv6 and SSHv6, NTPv6, Openflow and have USB or equivalent interface for easy backup and restore.	Volume 2	Technical Spec.	As per RFP
547	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH	149	Switch Should support 16K MAC addresses and 4000 VLAN	Request to please change this as "Switch Should support 8K MAC addresses and 4000 VLAN ID", for wider OEM participations. 8K MAC is sufficient for field level connectivity.	Volume 2	Technical Spec.	As per RFP
548	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH	149	Switch should support Jumbo frame, ITU-T G.8032, IEEE 802.1ad, IEEE 802.1Q, IEEE 802.1v, IEEE 802.3ac, IEEE 802.1AX, DHCP Server and Relay for IPv4 and IPv6, DHCP Option 82	Request to please change this as "Switch should support Jumbo frame, ITU-T G.8032/ERPS, IEEE 802.1ad, IEEE 802.1Q, IEEE 802.1v, DHCP Server or Relay for IPv4 and IPv6, DHCP Option 82", for wider OEM participations.	Volume 2	Technical Spec.	As per RFP
549	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH	149	Should support UDLD, Digital Diagnostic monitoring, Port and VLAN mirroring and IEEE 802.1ag or equivalent.	Request to please change this as "Should support UDLD, Digital Diagnostic monitoring OR equivalent, Port and VLAN mirroring", for wider OEM participations.	Volume 2	Technical Spec.	As per RFP

550	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH	149	Should support SNMPv6, Telnetv6 and SSHv6, NTPv6, Openflow and have USB or equivalent interface for easy backup and restore.	Request to please change this as "Should support SNMPv6, Telnetv6 or and SSHv6, NTP, Openflow/REST API and have USB or equivalent interface for easy backup and restore.", for wider OEM participations.	Volume 2	Technical Spec.	As per RFP
551	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH	149	Switch should support MAC Sec/FIPS 180-1 and IEEE 1588v2 PTP	Request to please remove this for wider OEM participations.	Volume 2	Technical Spec.	As per RFP
552	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH	149	Switch should be EN55022, EN55024, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-8, IEC60068-2-31, IEC60068-2-27, IEC60068-2-6 and RoHS.	Request to please change this as "Switch should be EN55022, EN55024 or equivalent or higher, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-8, IEC60068-2-31, IEC60068-2-27 IEC60068-2-6 or equivalent or higher of the mentioned all the standards and RoHS.	Volume 2	Technical Spec.	As per RFP
553	Volume 2, 5.14 INDUSTRIAL GRADE SWITCH	149	Should support UDLD or equivalent feature to prevent loops on detecting unidirectional links, Connectivity Fault Management, Monitoring Temperature, Supply voltage, Average transmit power, Average receive power and Laser bias current of the FO module, should have feature if any intrusion is detected on fiber link the particular port should be shutdown automatically	Request to please change this as "Should support UDLD or equivalent feature to prevent loops on detecting unidirectional links, Monitoring Temperature, Supply voltage, Average transmit power, Average receive power, should have feature if any intrusion is detected on fiber link the particular port should be shutdown automatically".	Volume 2	Technical Spec.	As per RFP
554	5.14 INDUSTRIAL GRADE SWITCH 16 Port Switch	149	The Switch Should be Industrial grade in nature and should have 16x10/100/1000 Base-T PoE+ ports and 4x100/1000 Base-X SFP ports and to be supplied with required module.	Fiber Ports Not Support MDI/MDIX Auto Negotiation so kindly remove 100 Base-X SFP Port Support.	Volume 2	Technical Spec.	As per RFP
555	5.14 INDUSTRIAL GRADE SWITCH 16 Port Switch	149	Switch should support Jumbo frame, ITU-T G.8032, IEEE 802.1ad, IEEE 802.1Q, IEEE 802.1v, IEEE 802.3ac, IEEE 802.1AX, DHCP Server and Relay for IPv4 and IPv6, DHCP Option 82	IEEE 802.1AX, DHCP Server not required for Industrial Grade Switch so Kindly Remove highlighted and Allow other OEMs to participate	Volume 2	Technical Spec.	As per RFP
556	5.14 INDUSTRIAL GRADE SWITCH 16 Port Switch	149	Switch should support IGMP v1/v2/v3 snooping, MLD v1/v2 snooping with min 512 multicast group.	Please Change the Requirement for the multicast group as 256 Multicast group or more	Volume 2	Technical Spec.	As per RFP
557	5.14 INDUSTRIAL GRADE SWITCH 16 Port Switch	149	Should support UDLD, Digital Diagnostic monitoring, Port and VLAN mirroring and IEEE 802.1ag or equivalent.	VLAN mirroring and IEEE 802.1ag not required for Industrial Grade Switch so Kindly Remove highlighted and add Port-based and 802.1Q tag-based VLANs, MAC-based VLANs, IP subnet-based VLANs, Protocol-based VLANs with multiple uplinks, Q in Q Vlan and Allow other OEMs to participate	Volume 2	Technical Spec.	As per RFP
558	5.14 INDUSTRIAL GRADE SWITCH 16 Port Switch	149	Should support SNMPv6, Telnetv6 and SSHv6, NTPv6, Openflow and have USB or equivalent interface for easy backup and restore.	Being Industrial Grade switch in the field required would be Should support SNMPv6, Telnetv6 and SSHv6, Kindly Help to Remove NTPv6, Openflow and have USB or equivalent interface for easy backup and restore.	Volume 2	Technical Spec.	As per RFP
559	5.14 INDUSTRIAL GRADE SWITCH 16 Port Switch	149	Switch should support MAC Sec/FIPS 180-1 and IEEE 1588v2 PTP	MAC Sec/FIPS 180-1 required for End of End Security and its not asked for rest switches so Kindly Remove highlighted and add Switch should support L2/L3 ACL for added security and IEEE 1588v2 Precision Time Protocol HW-Based E2E Transparent clock to allow other OEMs to participate as per requirement.	Volume 2	Technical Spec.	As per RFP
560	5.14 INDUSTRIAL GRADE SWITCH 16 Port Switch	149	Operating Temperature of switch should be -40°C to 75°C	Kindly Change the Requirements to -40°C ~ 70°C and Allow other OEMs to participate.	Volume 2	Technical Spec.	As per RFP
561	5.14 INDUSTRIAL GRADE SWITCH 16 Port Switch	149	Switch should be EN55022, EN55024, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-8, IEC60068-2-31, IEC60068-2-27, IEC60068-2-6 and RoHS.	IEC60068-2-31, IEC60068-2-27, IEC60068-2-6 or Equivalent Certification will allow other OEMs to participate.	Volume 2	Technical Spec.	As per RFP
562	Volume-2 : 5.16 : 24 Port L3 Switch (fully loaded)	151	Management : Switch needs to have console port for management via a console terminal or PC Must have support SNMP v1,v2 and v3 Should support 4 groups of RMON Should have accessibility using Telnet, SSH, Console access, easier software upgrade through network using TFTP etc. Configuration management through CLI/GUI based software utility and using web interface	Change to : Should support telemetry and streaming data Configuration management through CLI/GUI Network performance and traffic monitoring has evolved over the years, and its replacement or successor technologies have emerged to address the changing needs of modern networks. Modern network devices support telemetry and streaming data, which provide real-time information about network performance. Embedded web server (GUI) is a Security concern and management of switches vide centralized NMS only , hence request to kindly remove the "utility and using web interface " keywords from specifications for wider participation from all the OEMs.	Volume 2	Technical Spec.	Refer corrigendum
563	Volume 2, 5.16 24 Port L3 Switch	151	Switching capacity of min. 40 Gbps or better and equivalent or better packet forwarding rate (Mbps)	This is not as per switch port requirement.It should be minimum 480Gbps of switching capacity.Request to please modify this clause.	Volume 2	Technical Spec.	Refer corrigendum

564	Volume 2, 5.16 24 Port L3 Switch	151	Support up-to 255 VLANs and up-to 4K VLAN IDs	Request to please change this as "Support up-to 1000 VLANs and up-to 4K VLAN IDs".255 is very minimum value for such a high end swithces.	Volume 2	Technical Spec.	Refer corrigendum
565	Volume 2 : 5.17 : 24 Port Distribution Switch (Fully Loaded Non PoE)	152	24 port switch, 24 port RJ45 (10/100/1000) with uplink	24x 1g SFP ports 4x 10G SFP+ with dedicated Stacking ports Uplink Ports for Connectivity have been added , Request to kindly ammend the clause as requested, for wider participation from all the OEMs.	Volume 2	Technical Spec.	As per RFP
566	Volume 2, 5.16 24 Port L3 Switch	152	Should have accessibility using Telnet, SSH, Console access, easier software upgrade through network using TFTP etc. Configuration management through CLI/GUI based software utility and using web interface	Request to please change this as "Support up-to 1000 VLANs and up-to 4K VLAN IDsShould have accessibility using Telnet or SSH, Console access, easier software upgrade through network using TFTP etc. Configuration management through CLI/GUI based software utility and using web interfaces".	Volume 2	Technical Spec.	Refer corrigendum
567	Volume 2, 5.17 24 Port Distribution Switch	152	24 port switch, 24 port RJ45 (10/100/1000) with uplink	Please specify the uplink type like - 4x1/10G.	Volume 2	Technical Spec.	As per RFP
568	Volume 2, 5.17 24 Port Distribution Switch	152	MAC Table 8K, VLAN support 4096	Please modify as "MAC Table 8K, VLAN ID support 4094".	Volume 2	Technical Spec.	As per RFP
569	Volume 2 : 5.18 : 24 Port PoE Switch	153	5.18 24 Port PoE Switch	24x 1g SFP ports 4x 10G SFP+ with dedicated Stacking ports Uplink Ports for Connectivity have been added , Request to kindly ammend the clause as requested, for wider participation from all the OEMs.	Volume 2	Technical Spec.	As per RFP
570	Volume 2, 5.18 24 Port PoE Switch	153	Shall support a minimum of 24 ports 10/100 RJ 45	Please modify as "Shall support a minimum of 24 ports 10/100/1000 RJ 45 and 4x1/10G".	Volume 2	Technical Spec.	As per RFP
571	Volume 2, 5.18 24 Port PoE Switch	153	Switch should Support DHCP Relay, DHCP Server	Please modify as "Switch should Support DHCP Relay or DHCP Server".	Volume 2	Technical Spec.	As per RFP
572	5.17 24 Port Distribution Switch (Fully Loaded Non PoE) 24 Port Distribution Switch	153	Switch should support VLAN, Port based VLAN, 802.1Q tag based VLAN, MAC based VLAN, Protocol based VLAN, Management VLAN, Private VLAN Edge (PVE), Q in Q (double tag) VLAN, GARP VLAN Registration Protocol (GVRP) for propagating VLAN	Remove Private VLAN Edge (PVE) as its proprietary and and allow other OEMs to participate.	Volume 2	Technical Spec.	As per RFP
573	Volume-2 : 5.20 SAN STORAGE	155	Controllers: Minimum dual controllers with symmetric active-active architecture. Each controller shall be configured with minimum 6 core or higher CPU	Change To: Controllers: Minimum dual controllers with active-active architecture. Each controller shall be configured with minimum 32 x 2Ghz CPU core or higher a. Symmetric Active-Active Architecture is available with a particular OEM and hence restricts the other major storage OEMs from participation. Futhermore Symmetric Active-Active architecture does not have any relevance in the dual controller architecture since both the controllers are connected through common backplane, hence request to kindly remove the "Symmetric" keyword from specifications for wider participation from all the OEMs. b. 6 CPU Cores per controller is extremely less compute for a storage system with 768 GB Cache and 3PB capacity. Also this configuration favours a particular OEM. Furthermore, it is recommended to have minimum 32 cores per controller to support overall 768 GB Cache of the storage system in order to cater the performance and capacity requirements, otherwise GSCL may end in procuring a sub-standard storage system.	Volume 2	Technical Spec.	Refer corrigendum
574	Volume-2 : 5.20 SAN STORAGE	155	Cache Memory: Should be provided with minimum 768GB Global cache or more.	Cache Memory: Should be provided with minimum 768GB cache or more. 'Global Cache' is an OEM specific term that restricts other major storage OEMs from participation. Futhermore Global Cache architecture does not have any relevance in the dual controller storage architecture since both the controllers are connected through common backplane. Hence Request to kindly remove the keyword "Global" for wider participation from all the OEMs.	Volume 2	Technical Spec.	Refer corrigendum
575	5.20 SAN STORAGE	155	Connectivity: Minimum 2 ports per controller to be provided for host connectivity	Connectivity: Minimum 4 x 32 Gbps FC ports per controller and 4 x 10/25 Gbps ports for SMB, NFS to be provided for host connectivity Kindly specify the port types to be provided (like FC, SMB/NFS). It is recommended to have minimum 4 x 32 Gbps for block and 4 x 10/25 Gbps ports for NFS,SMB in order to meet the performance requirements and to ensure that the storage meets the current and future host connectivity requirements (that is it should support all the host connetvity protocols like FC, iSCSI, NFS, SMB, vVOL etc.)	Volume 2	Technical Spec.	Refer corrigendum

576	Volume-2 : 5.20 SAN STORAGE	155	Storage subsystem should support 10TB/14TB/18TB or higher NLSAS/SATA/equivalent 7.2K drives in the same device array.	Storage subsystem should support 10TB/12TB/14TB/18TB or higher NLSAS/SATA/equivalent 7.2K drives in the same device array. Kindly allow the 12TB NLSAS HDDs as well, for wider participation from all the OEMs.	Volume 2	Technical Spec.	Refer corrigendum
577	Volume-2 : 5.20 SAN STORAGE	155	Multipath: Multi-path & Load balancing should be supported. Unlimited host multipath licenses should be quoted from day one.	Multipath: Multi-path & Load balancing should be supported. Either Unlimited host multipath licenses should be quoted from day one OR the storage system must support native host OS based multipathing. Most of the modern day storages support Native Host OS based multipathing and hence do not require separate multipathing licenses. Request to kindly amend the clause as requested, for wider participation from all the OEMs.	Volume 2	Technical Spec.	Refer corrigendum
578	Volume-2 : 5.20 SAN STORAGE	155	Tiering: Should support inbuilt automated tiering feature that migrates the most frequently accessed data to the SSD/RAM. Necessary licenses for configured capacity if required without additional cost	Change To: Tiering: Should support inbuilt automated tiering feature that migrates the most frequently accessed data to the SSD, SAS Drives. Necessary licenses for configured capacity if required without additional cost Tiering moves frequently accessed data from slower performing NLSAS HDD to higher performing SSD and SAS 10K HDD. It does not move the data from Drives to RAM. Request to kindly amend the clause as requested in order to avoid any sub-standard product that may pose threat to GSCL's investments.	Volume 2	Technical Spec.	Refer corrigendum
579	Volume 2, 5.20 SAN STORAGE	155	Should be supplied with 3 PB effective usable capacity storage with NL-SAS drives.	Please remove "Effective" wording as this creates ambiguity. Kindly mention as "3PB usable capacity storage with NLSAS drives".	Volume 2	Technical Spec.	Refer corrigendum
580	Volume 2, 5.20 SAN STORAGE	155	Tiering: Should support inbuilt automated tiering feature that migrates the most frequently accessed data to the SSD/RAM. Necessary licenses for configured capacity if required without additional cost	Request you to remove this clause as in this present case there is no tiering requirement. Single tier has been asked in the RFP.	Volume 2	Technical Spec.	Refer corrigendum
581	Volume 2, 5.20 SAN STORAGE	155	Snapshots: Should be able to take "snapshots" of the stored data. Offered Storage shall have support to make the snapshot in scheduled or auto snaps. Snapshot should support both block and file.	Request you to remove "File" wording as Block storage has been asked in this requirement.	Volume 2	Technical Spec.	Refer corrigendum
582	Volume 2, 5.20 SAN STORAGE	155	Software Licenses : All the necessary software and licenses to configure and manage the storage space, RAID configuration, logical drives allocation, snapshots, compression, de-dup, replication, auto-tiering for the configured capacity.	Please remove "Auto Tiering" as in this present case there is no tiering requirement. Single tier has been asked in the RFP.	Volume 2	Technical Spec.	Refer corrigendum
583	Volume 2: 5.21: Backup software	156	Support de-duplication at source and at target (disk) on any commodity storage volume. Based on policy backup software should be able to move data to a Tape/Disc library automatically	Requested change: Support de-duplication at source and at target (disk) on any commodity storage volume/proposed disk appliance. Based on policy backup software should be able to move data to a tape/disk library automatically. For backup performance and minimal impact on the production hosts(clients), we request GSCL to incorporate the changes to get the best outcome of the project. General purpose disk will lack backup & restore performance in comparison to a purpose built backup appliance.	Volume 2	Technical Spec.	Refer corrigendum
584	Volume 2: 5.21: Backup software	156	Should be able to support versioning and should be applicable to individual backed up objects.	Requested change: Should be able to maintain backup copies/versions based on the retention policy. It should be applicable to individual backed up objects/backup jobs. To serve consistent outcome across all data types i.e. file, database, vm, etc. the backup solution must provide granular recoverability of the data based on the user-defined(GSCL) retention policy.	Volume 2	Technical Spec.	Refer corrigendum
585	Volume 2: Scope of Work including Functional and Technical Specification 5. Intelligent City Surveillance System – Functional Requirement & Technical 5.26 Rapid Deployable System	160	17. Lens type: 5.9-135.7mm, 20x motorised, Autofocus, Auto-iris, Varifocal	17. Lens type: 5.9-118mm, 20x motorised, Autofocus, Auto-iris, Varifocal Request you to change the higher focal length as per 20X.	Volume 2	Technical Spec.	As per RFP

586	<p>Volume 2: Scope of Work including Functional and Technical Specification</p> <p>5. Intelligent City Surveillance System – Functional Requirement & Technical</p> <p>5.26 Rapid Deployable System</p>	161	36. IP video input: 8 Ch independent POE interfaces	<p>36. IP video input: 8 Ch independent POE interfaces/ Power interface</p> <p>Request you to ask Power interface in option with PoE as many OEMs used to provide M12 power interface for Vehicle solution which is more rugged in solution as compare to PoE.</p>	Volume 2	Technical Spec.	As per RFP
587	<p>Volume 2: Scope of Work including Functional and Technical Specification</p> <p>5. Intelligent City Surveillance System – Functional Requirement & Technical</p> <p>5.26 Rapid Deployable System</p>	161	38. Incoming bandwidth: at least 80 Mbps	<p>38. Incoming bandwidth: at least 40 Mbps</p> <p>Request you to reduce the same to 40 Mbps as 8 nos. 2MP cameras will take max 24 Mbps as per the solution requirement.</p>	Volume 2	Technical Spec.	As per RFP
588	<p>Volume 2: Scope of Work including Functional and Technical Specification</p> <p>5. Intelligent City Surveillance System – Functional Requirement & Technical</p> <p>5.26 Rapid Deployable System</p>	161	41. VGA Output: 1-ch with resolution upto 1280 x 800	<p>41. VGA Output: 1-ch with resolution upto 1280 x 720</p> <p>Requesting you to accept above changes as per the industry standard for edge storage to allow wider participation</p>	Volume 2	Technical Spec.	As per RFP

589	<p>Volume 2: Scope of Work including Functional and Technical Specification</p> <p>5. Intelligent City Surveillance System – Functional Requirement & Technical</p> <p>5.26 Rapid Deployable System</p>	161	42. CVBS output: 1-ch	Request you to remove this clause or ask as an optional for wider participations.	Volume 2	Technical Spec.	As per RFP
590	<p>Volume 2: Scope of Work including Functional and Technical Specification</p> <p>5. Intelligent City Surveillance System – Functional Requirement & Technical</p> <p>5.27 24 Port Copper Patch Panel, fully loaded</p>	162	5. ETL Verified for Category 6 Component Compliance Or BIS Equivalent	<p>5. ETL Verified or Channel tested for Category 6 Component Compliance Or BIS Equivalent</p> <p>Requesting to accept the above changes as per the industry standard to allow wider participation</p>	Volume 2	Technical Spec.	As per RFP
591	<p>Volume 2: Scope of Work including Functional and Technical Specification</p> <p>5. Intelligent City Surveillance System – Functional Requirement & Technical</p> <p>5.29 Specifications for Passive Components</p> <p>Double Jacket CAT6 UTP Outdoor Cable</p>	162	<p>Functional Requirement:</p> <p>1. All passive network passive components should be from the same OEM and OEM to provide 30 years performance warranty against this.</p>	<p>Functional Requirement:</p> <p>1. All passive network passive components should be from the same OEM and OEM to provide 25 years performance warranty against this.</p> <p>Requesting to accept the above changes as per the industry standard to allow wider participation</p>	Volume 2	Technical Spec.	As per RFP

592	<p>Volume 2: Scope of Work including Functional and Technical Specification</p> <p>5. Intelligent City Surveillance System – Functional Requirement & Technical</p> <p>5.29 Specifications for Passive Components</p> <p>12 Core Outdoor Armoured Single Mode OS2 Type Outdoor Fiber Cable Double Sheathed</p>	165	14. Max. Tensile Strength: 3500N	<p>14. Max. Tensile Strength: 3000N</p> <p>Requesting to accept the above changes as per the industry standard as per the mentioned cable construction to allow wider participation</p>	Volume 2	Technical Spec.	As per RFP
593	<p>Volume 2: Scope of Work including Functional and Technical Specification</p> <p>5. Intelligent City Surveillance System – Functional Requirement & Technical</p> <p>5.29 Specifications for Passive Components</p> <p>12 Core Outdoor Armoured Single Mode OS2 Type Outdoor Fiber Cable Double Sheathed</p>	165	15. Maximum Crush Resistance: 6000N/10 mm	<p>15. Maximum Crush Resistance: 3000N/10 mm</p> <p>Requesting to accept the above changes as per the industry standard as per the mentioned cable construction to allow wider participation</p>	Volume 2	Technical Spec.	As per RFP
594	<p>Volume 2: Scope of Work including Functional and Technical Specification</p> <p>5. Intelligent City Surveillance System – Functional Requirement & Technical</p> <p>5.29 Specifications for Passive Components</p> <p>Fibre Optic Splice Enclosure</p>	167	<p>Functional Requirement:</p> <p>3. All passive network components along with accessories should be from the same OEM and OEM to provide 30 years performance warranty against this.</p>	<p>Functional Requirement:</p> <p>3. All passive network components along with accessories should be from the same OEM and OEM to provide 25 years performance warranty against this.</p> <p>Requesting to accept the above changes as per the industry standard to allow wider participation</p>	Volume 2	Technical Spec.	As per RFP

595	Volume 2, 5.34 Next Generation Firewall for Viewing Station	179	Firewall should be ICOSA Labs Certified	<p>Kindly note Indian Cyber Security Product companies are exempted from foreign/international Certificates like 'Common Criteria/NSS & EAL' as per Public Procurement Order (Preference to Make In India) 2019 for Cyber Security Products. hence we request to remove or amend this certification requirement, aslo NSS Labs has ceased operation in Oct,2020 therefore asking the same is invalid.</p> <p>We request to you Amend the clause as: The Firewall OEM should be having BIS, RoHS, ISO 9001, ISO 14001, ISO 17025 or equivalent.</p>	Volume 2	Technical Spec.	As per RFP
596	Volume 2, 5.34 Next Generation Firewall for Viewing Station	179	Proposed solution should come from firewall appliance family which has more than 10 years of ICOSA labs certification	<p>Kindly note Indian Cyber Security Product companies are exempted from foreign/international Certificates like 'Common Criteria/NSS & EAL' as per Public Procurement Order (Preference to Make In India) 2019 for Cyber Security Products. hence we request to remove or amend this certification requirement, aslo NSS Labs has ceased operation in Oct,2020 therefore asking the same is invalid.</p> <p>We request to you Amend the clause as: The Firewall OEM should be having BIS, RoHS, ISO 9001, ISO 14001, ISO 17025 or equivalent.</p>	Volume 2	Technical Spec.	As per RFP
597	Volume 2, 5.34 Next Generation Firewall for Viewing Station	182	The product shall have Indian Standard, IC35/Common Criteria (provided by STQC in India common-criteria- certification-0) or Alternatively from International equivalents, NDPP or NSS or ICOSALabs, at least one of them should be provided while bidding.	<p>Kindly note Indian Cyber Security Product companies are exempted from foreign/international Certificates like 'Common Criteria/NSS & EAL' as per Public Procurement Order (Preference to Make In India) 2019 for Cyber Security Products. hence we request to remove or amend this certification requirement, aslo NSS Labs has ceased operation in Oct,2020 therefore asking the same is invalid.</p> <p>We request to you Amend the clause as: The Firewall OEM should be having BIS, RoHS, ISO 9001, ISO 14001, ISO 17025 or equivalent.</p>	Volume 2	Technical Spec.	As per RFP
598	Volume 2 , 5.36 Next Generation Anti-Virus and Endpoint Detection & Response	186	Point No 1. The footprint of the overall solution at the endpoint must be very light in terms of Memory, Hard disk usage and CPU. The entire endpoint software should be single agent software deployed with all features and functions of NGAV, EDR, Threat Hunting, IT Hygiene, Vulnerability Management and Device Control and do not require any agent or software update to enable or disable these modules. Agent footprint must be under 70MB memory and 1-2% CPU.	<p>It has been asked to have vulnerability management feature in endpoint security which is typically a task for dedicated VA management tool. Also the agent footprint and CPU utilization asked favors a specific vendor. Therefore reuest to modify the clause as "The footprint of the overall solution at the endpoint must be very light in terms of Memory, Hard disk usage and CPU. The entire endpoint software should be single agent software deployed with all features and functions of NGAV, EDR, Threat Hunting, IT Hygiene, Vulnerability Prioritization as per CVE, Recommended scan for vulnerabilities in servers and Device Control and do not require any agent or software update to enable or disable these modules. Agent footprint must be minimal wrt memory & CPU utilization should must be controlled with severity levels of High,Medium & Low."</p>	Volume 2	Technical Spec.	As per RFP
599	Volume 2 , 5.36 Next Generation Anti-Virus and Endpoint Detection & Response	186	Point No 5. The proposed solution should provide protection and management of Windows, Linux, container, Mac endpoints including Android and IOS. Protect all workloads on-premise or on cloud platform such as (Amazon Web Services EC2, Google Cloud Platform and Azure) from the same management console. Agent installation and update should not require any reboot.	<p>It has been asked that agent installation and update must not require reboot. The ask is technically impossible since antimlaware engine updates/upgrades might require reboot. Therefore request to modify the clause as for maximum vendor participation "The proposed solution should provide protection and management of Windows, Linux, container, Mac endpoints including Android and IOS. Protect all workloads on-premise or on cloud platform such as (Amazon Web Services EC2, Google Cloud Platform and Azure) from the same management console."</p>	Volume 2	Technical Spec.	As per RFP
600	Volume 2 , 5.36 Next Generation Anti-Virus and Endpoint Detection & Response	186	Point No 9. Endpoint agent must support policy controlled automated agent version update N-1,N-2.	<p>It has been asked for version control of agents upgrade. This favors specific vendor and prohibits participation. Therefore request to modify the clause as " Endpoint agent must support policy controlled automated agent upgrade"</p>	Volume 2	Technical Spec.	As per RFP
601	Volume 2 , 5.36 Next Generation Anti-Virus and Endpoint Detection & Response	186	Point No 10. Solution should provide threat hunting platform with instant results. Threat hunting activity must not impact CPU or memory of system at all i.e. no increase in CPU and memory of managed endpoint during hunting activity at one system or all endpoints at enterprise. It should not be based on network sweeps or endpoint scans. OEM's should specify time required to hunt vulnerable application version, hash or vulnerability organisation wide(all assets online, offline & roaming).	<p>It has been asked that OEM's must specify time required to hunt vulnerable applications version. This is technically not possible because threat hunting may vary on case to case to basis. Therefore request to modify the clause as "Solution should provide threat hunting platform with instant results. Threat hunting activity must not impact CPU or memory of system at all i.e. no increase in CPU and memory of managed endpoint during hunting activity at one system or all endpoints at enterprise. It should not be based on network sweeps or endpoint scans. OEM's should take minimal time to hunt vulnerable application version, hash or vulnerability organisation wide(all assets online, offline & roaming)."</p>	Volume 2	Technical Spec.	As per RFP
602	Volume 2 , 5.36 Next Generation Anti-Virus and Endpoint Detection & Response	186	Point No 12. The administrator should be able to find in real time and historical search capabilities in less than a minute where a specific file (by hash) has executed, with which file name, in which process and at what exact time. First time & last time executed on which host with time. The solution should not crawl endpoints and provide details even for machines offline or out of corporate network.	<p>It has been asked that administrator should be able to find in real time and historical search capabilities in less than a minute. This is technically not possible because threat hunting may vary on case to case basis. Therefore request to modify the clause as "The administrator should be able to find in real time and historical search capabilities in minimal time where a specific file (by hash) has executed, with which file name, in which process and at what exact time. First time & last time executed on which host with time. The solution should not crawl endpoints and provide details even for machines offline or out of corporate network."</p>	Volume 2	Technical Spec.	As per RFP

603	Voume 2 , 5.36 Next Generation Anti-Virus and Endpoint Detection & Response	187	Point no 16. Solution should provide full remote remediation capabilities from the management console even for roaming users on public network (eg. delete registry, file, push or pull file/package, execute commands and powershell script, etc)	It has been asked that solution should provide remote remediation capabilities with action of delete a registry file. This action may impact the endpoint by deleting critical endpoint files. Therefore should be excluded from the clause and modified as " Solution should provide full remote remediation capabilities from the management console even for roaming users on public network (eg. push or pull file/package, execute commands and powershell script, etc)"	Volume 2	Technical Spec.	As per RFP
604	Voume 2 , 5.36 Next Generation Anti-Virus and Endpoint Detection & Response	188	Point No 18. The proposed solution should be able to track more than 130+ adversary groups. The details of adversary and TTP should be available in the management portal along with their other well-known names in the community like APT28 is also known as Fancy Bear, Sofacy, Tsar Team, Sednit.	The clause ask that solution must track more than 130+ adversary groups which favors specific vendor and prohibit participation. Therefore request to modify the clause for maximum vendor participation " The proposed solution should be able to track more than 50 adversary groups. The details of adversary and TTP should be available in the management portal along with their other well-known names in the community like APT28 is also known as Fancy Bear, Sofacy, Tsar Team, Sednit. and must auto-sweep every day until 7 days and alert if matching threat activity has been found on the endpoint. "	Volume 2	Technical Spec.	As per RFP
605	Voume 2 , 5.36 Next Generation Anti-Virus and Endpoint Detection & Response	188	Point No 22. The EPP solution must provide visibility of * When the local admin passwords last reset happened. * User logging as Domain Administrator or with Local Admin Rights. * User Login Interactive, Terminal service and Service Account. * Assets visibility of host with no endpoint security agent. * Rouge devices in network (printer, camera's, network devices) in network. * Application Inventory with hash and version organisation wide or specific endpoint	The clause asks feature of user logging, user account, rogue devices, application inventory. This is not feature of endpoint security rather of AD and favors specific vendor. Therefore request to delete this clause.	Volume 2	Technical Spec.	As per RFP
606	Voume 2 , 5.36 Next Generation Anti-Virus and Endpoint Detection & Response	188	Point No 11. Proposed solution should capture telemetric data to provide threat hunting capabilities for forensic artefacts in real-time and for historical search in less than a minute, even for endpoints offline or out of corporate network without crawling endpoints.	The clause asks to features like threat hunting in less than a minute, user login & log off activities which is an AD feature, all files written to removable media which will create unnecessary logs rather focussing on suspicious files transfers. Hence request to modify clause as " Proposed solution should capture telemetric data to provide threat hunting capabilities for forensic artefacts in real-time and for historical search, even for endpoints offline or out of corporate network without crawling endpoints.	Volume 2	Technical Spec.	As per RFP
607	Voume 2 , 5.36 Next Generation Anti-Virus and Endpoint Detection & Response	188	* Local IP and Public IP of endpoint had communicated in last 7 days.	* Local IP and Public IP of endpoint had communicated in last 7 days.	Volume 2	Technical Spec.	As per RFP
608	Voume 2 , 5.36 Next Generation Anti-Virus and Endpoint Detection & Response	188	* User logon activities (login and logoff time with user name) for Last 7 days.	* Suspicious login activities.	Volume 2	Technical Spec.	As per RFP
609	Voume 2 , 5.36 Next Generation Anti-Virus and Endpoint Detection & Response	188	* All Process & Service execution including admin tools and CMD commands with process id user details for last 7 days.	* All Process & Service execution including admin tools and CMD commands with process id user details.	Volume 2	Technical Spec.	As per RFP
610	Voume 2 , 5.36 Next Generation Anti-Virus and Endpoint Detection & Response	188	* All PowerShell Activities on endpoint for last 7 days.	* All PowerShell Activities on endpoint.	Volume 2	Technical Spec.	As per RFP
611	Voume 2 , 5.36 Next Generation Anti-Virus and Endpoint Detection & Response	188	* Unique executable written on endpoint.	* Unique executable written on endpoint.	Volume 2	Technical Spec.	As per RFP

612	Volume 2 , 5.36 Next Generation Anti-Virus and Endpoint Detection & Response	188	* Suspicious File Activities (Zip, RAR & Scripts written).	* Suspicious File Activities.	Volume 2	Technical Spec.	As per RFP
613	Volume 2 , 5.36 Next Generation Anti-Virus and Endpoint Detection & Response	188	* Files Written to Removeable Media	* Suspicious Files Written to Removeable Media	Volume 2	Technical Spec.	As per RFP
614	Volume 2 , 5.36 Next Generation Anti-Virus and Endpoint Detection & Response	188	* Manual Registry Addition.	* Manual Registry Addition.	Volume 2	Technical Spec.	As per RFP
615	Volume 2 , 5.36 Next Generation Anti-Virus and Endpoint Detection & Response	188	* Scheduled Tasks Registered and Firewall Rules Set on endpoint.	* DNS request & Network connection with Port Number made from endpoint with detailed command line & file name.	Volume 2	Technical Spec.	As per RFP
616	Volume 2 , 5.36 Next Generation Anti-Virus and Endpoint Detection & Response	188	* DNS request & Network connection with Port Number made from endpoint with detailed command line & file name for min last 7 days.	* Details of Network Listening ports on endpoint with file name and command line.	Volume 2	Technical Spec.	As per RFP
617	Volume 2 , 5.36 Next Generation Anti-Virus and Endpoint Detection & Response	188	* Details of Network Listening ports on endpoint with file name and command line.	*Should be able to see network connections by Country or External IP's connected to.	Volume 2	Technical Spec.	As per RFP
618	Volume 2 , 5.36 Next Generation Anti-Virus and Endpoint Detection & Response	188	*Should be able to see network connections by Country or External IP's connected to.	* List of Usernames or Systems where remote logins have taken place. This can	Volume 2	Technical Spec.	As per RFP
619	Volume 2 , 5.36 Next Generation Anti-Virus and Endpoint Detection & Response	188	* List of Usernames or Systems where remote logins have taken place. This can	quickly identify suspicious behaviour by user account or systems. "	Volume 2	Technical Spec.	As per RFP
620	Volume 2 , 5.36 Next Generation Anti-Virus and Endpoint Detection & Response	188	quickly identify suspicious behaviour by user account or systems.		Volume 2	Technical Spec.	As per RFP

621	5.38 SECURITY INFORMATION & EVENT MANAGEMENT(SIEM), Point no. 1	200	The solution should be able to collect logs from different infrastructure components such as Servers, Firewalls, Databases, Applications.	Limiting SIEM to collection of logs only is a legacy way .We request GSCL to ask for Next Generation SIEM capability which includes collection of logs, flows and packets and ability to correlate all three for a meaningful analysis Also, Please share number of sustained EPS or Equivalent GB per day for SIEM sizing this will allow all the bidders to propose same solution without any assumption.	Volume 2	Technical Spec.	As per RFP
622	5.38 SECURITY INFORMATION & EVENT MANAGEMENT(SIEM), Point no. 24	201	The collectors should be able to store/retain both normalized & raw data for forensic purposes	SIEM solution is required to have Logs as well as packets to do forensics in terms of network, protocol, traffic and malware analysis, only logs does not provide complete visibility about real threats. We request to please share the throughput to be considered for Packet collection.	Volume 2	Technical Spec.	As per RFP
623	5.38 SECURITY INFORMATION & EVENT MANAGEMENT(SIEM), Point no. 36	202	The solution should allow access to the raw logs for investigation and RCA activities	RCA Needs to have Logs as well as packets to be collected in Datacenter to do RCA and drill down to the malicious activity. We request GSCL to please mention RCA use cases to offer the best solution for this critical project.	Volume 2	Technical Spec.	As per RFP
624	5.38 SECURITY INFORMATION & EVENT MANAGEMENT(SIEM), Point no. 47	203	The proposed solution should be able to store/retain both the log meta data and the original raw message of the event log for forensic purposes.	Please share number of days of online and offline retention for log and packets is required for forensic purposes this will allow all the bidders to propose same solution without any assumption.	Volume 2	Technical Spec.	As per RFP
625	5.10 Integrated Command and Control Centre(ICCC) Should Support Integration with future Applications. Parameter-Solid Waste Management System	110	S.no - 247 Description - a. Map services and geospatial coordinates: Shall provide the geographical coordinates of specific facilities, roads, and city infrastructure assets, as well as unmapped facilities	We assume that specific facility like Road layer, Utility layer, Building Structure, Admin boundary layer, and other spatial layer required in project as base map will be provided by Department, in GIS ready spatial format	Volume 2	Technical Spec.	Required Base maps would be provided by department. OGC standard map services for integration should be in scope of GIS vendor. The customized GIS application should have functions for creation of new spatial geometry i.e POI as per approved data model only.
626	5.10 Integrated Command and Control Centre(ICCC)	15	2.4 Geographical Information System (GIS) The integration of GIS layers, such as camera positioning, building structures, and utility resources, can provide real-time, actionable intelligence to operators during an incident. The GIS platform can also be used to monitor and analyze crime patterns and hotspots, allowing for proactive and preventative measures to be taken.	1) We assume that specific facility like Road layer, Utility layer, Building Structure etc, Admin boundary layer, required in project, as base map will be provided by Department/MSI/Vendor, in GIS ready spatial format.	Volume 2	Technical Spec.	Required Base maps would be provided by department. All Assets locational and attribute information that are installed as per scope of project shall be provided by MSI / Concrened Vendors

627	<p>5.10 Integrated Command and Control Centre(ICCC)</p> <p>Should Support Integration with future Applications.</p> <p>Parameter-Intelligent Transport System</p> <p>Solid Waste Management System</p>	121	<p>S.no - 9 Dashboard Use Cases View the map with the point of interests, live spot for buses, Bus stops.</p> <p>S.no - 10 Application Use Cases - MAP based visualization of the assets like Vehicle Type, Bin Type, Vehicle Status, Citizen Grievance, Cameras</p> <p>S.no - 10 Application Use Cases - Creation of POI's by providing details such as Zone, Ward, POI Name, POI Type, POI Long/Lat, POI Radius, POI Address.</p>	We assume that all the required POI's for the project, will be provided by the Department, in GIS ready spatial format	Volume 2	Technical Spec.	<p>Required POI locational information shall be collected from department.</p> <p>OR</p> <p>Bidder are open to incorporate POI data freely available in public domain.</p>
628	<p>5.44 Geographical Information Systems (GIS)</p> <p>COTS 3D GIS Platform with Geo Analytics Software Platform Specification Compliance</p>	228	<p>2. The proposed deployed COTS 3D GIS Enterprise Platform should be Industry standard COTS GIS platform. The proposed deployed 3D GIS platform should have all functions of GIS and Image feature extraction, geo-processing, image mosaicking, Photogrammetry, sub setting, classification (supervised, unsupervised) change detection, AI/ML based object Detection components in a single installed software only. The platform should also have advance modules like network analysis, terrain analysis, 3D analysis, change Detection, Photogrammetry module, Raster GIS analysis, SAR processing and 3D analysis.</p>	we understand that as per general IT standards the Desktop and Platform software are different in design and architecture, these software serves different purposes hence different softwares, However the specification ask for single installed softwar only. So, we request to allow different desktop and Platform Software.	Volume 2	Technical Spec.	As per RFP
629	<p>5.44 Geographical Information Systems (GIS)</p> <p>COTS 3D GIS Platform with Geo Analytics Software Platform Specification Compliance</p>	228	<p>4. The single integrated platform of GIS platform should have both GIS and Image analysis components, which going to be deployed at site. It should support 64 bits. It should based on a Services Oriented Architecture (SOA). The Enterprise GIS software must be OGC certified and must have the capability to serve and consume OGC complied web services including WMS, WFS, WCS, CSW, INSPIRE, etc. Licensing policy should not be restricted by hardware/ period or sites. OEM undertaking should be submitted for further customization of application based on GIS and Image processing Custom based web application, as per project needs of present and future. No restriction during hardware upgrade/ scaling in future.</p>	We understand that the specifications asked for single integrated platform.	Volume 2	Technical Spec.	As per RFP
630	<p>5.44 Geographical Information Systems (GIS)</p> <p>COTS 3D GIS Platform with Geo Analytics Software Platform Specification Compliance</p>	228	<p>5. Server deployed Software should run as a native 64-bit application and should support Windows 64- bit and Linux 64 bits.</p>	<p>We request you to rephrase the statement as "Server deployed Software should run as a native 64-bit application and/or should support Windows 64- bit and/or Linux 64 bits."</p> <p>As this statement is restricting other OEM to participate in this bid. It should be recommended by the SI as a solution offering.</p> <p>Please clarify?</p>	Volume 2	Technical Spec.	As per RFP

631	5.44 Geographical Information Systems (GIS) COTS 3D GIS Platform with Geo Analytics Software Platform Specification Compliance	230	21. The 3D GIS Enterprise platform should have out of box provision to generate / create feature on 3d environment of all geometry types. Facilities for creation on 2d and 3d symbol should be there. Additionally, provision to share the 3d scenes is also required.	we understand that 3D digitization is Desktop based functionality. kindly provide Desktop specification and web based platform specification separately. Please confirm?	Volume 2	Technical Spec.	As per RFP
632	5.44 Geographical Information Systems (GIS) COTS 3D GIS Platform with Geo Analytics Software Platform Specification Compliance	231	28. The 3D enterprise platform should be capable to process the temporal or time series image data. To identify encroachment and monitor urban sprawl, software should provide change detection capabilities as out of box tools such as Basic Change Detection, Advance Change Detection, Auto Change Detection and Site Monitoring. The advance change detection capability should allow to ingest multiple input images to find the change. It should also handle the multi resolution satellite image along with mis-registration. It should have capability of Object Library Creation for Object Identification and Automatic Feature Extraction (AFE).	We understand that functionalities required are the part of Desktop platform and further these functionalities will be published as OGC services in web platform. Is our understanding correct?	Volume 2	Technical Spec.	As per RFP
633	5.44 Geographical Information Systems (GIS) Software Specification-Desktop GIS:	234	62. Meteorological Data Processing: The software should have tools for meteorological data processing module such T-Phi gram generation, satellite Image prediction and wind vector generation using sounder, imager and WVV INSAT data.	Please clarify the use of meteorological data processing requirement for this Scope of work. The meteorological services can be integrated as the API services from various source agencies like IMD, etc. this will help in publishing the validated data and also reduce the efforts as time and resources.	Volume 2	Technical Spec.	As per RFP
634	Volume 2: Scope of Work including Functional and Technical Specification	3.Payment Schedule, Page 29	The payments shall be made as per the following schedule: 1) 10% of the CAPEX cost shall be released on submission of following and consequent approval by GSCL: - Detailed Survey Report including infrastructure AS-IS and TO BE assessment, phase wise location distribution. - Design Built Report (DBR) containing the High Level Design, Low Level Design, BOQ - Detailed Project deployment plan including Operations Management, Contract Management, Risk Management 2) 50% of the CAPEX cost shall be released on Supply of material on pro-rata basis and as per the approved supply plan by GSCL. 3) 15% of the CAPEX cost shall be released on Installation on pro-rata basis and as per the approved supply plan by GSCL. 4) 15% of the CAPEX cost shall be released on Commissioning on prorata basis and as per the approved supply plan by GSCL. 5) 5% of the CAPEX cost shall be released on Go Live of individual systems on prorata basis and as per the approved supply plan by GSCL. 6) 5% of the CAPEX cost shall be released on overall Go Live of the complete project.	It is requested that the following changes as shown below in green highlighted be made: The payments shall be made as per the following schedule: 1) 10% of the CAPEX cost shall be released on submission of following and consequent approval by GSCL: - Detailed Survey Report including infrastructure AS-IS and TO BE assessment, phase wise location distribution. - Design Built Report (DBR) containing the High Level Design, Low Level Design, BOQ - Detailed Project deployment plan including Operations Management, Contract Management, Risk Management 2) 50 80 % of the CAPEX cost shall be released on Supply of material on pro-rata basis and as per the approved supply plan by GSCL. 3) 15 2.5 % of the CAPEX cost shall be released on Installation on pro-rata basis and as per the approved supply plan by GSCL. 4) 15 2.5 % of the CAPEX cost shall be released on Commissioning on prorata basis and as per the approved supply plan by GSCL. 5) 5% of the CAPEX cost shall be released on Go Live of individual systems on prorata basis and as per the approved supply plan by GSCL. 6) 5% of the CAPEX cost shall be released on overall Go Live of the complete project.	Volume 2	Technical Spec.	As per RFP
635	Volume 2: Scope of Work including Functional and Technical Specification	2.10 Project Deliverable, Milestones and Timelines, Page 28	Deliverables Phase 1, Phase 2, Phase 3, Phase 4 and Phase 5.	It is requested that the installation and commissioning timelines be increased to 11 months. Also, the Overall System Go Live and UAT be increased to 12 months.	Volume 2	Technical Spec.	As per RFP

636	Volume 2: Scope of Work including Functional and Technical Specification	3.Payment Schedule, Page 30	The Operations and maintenance phase will start as soon as Go-Live for each phase occurs. The SI will be required to adhere to the SLA and provide post implementations support of warranty and O&M for the remaining project period after implementation/Go Live. Payment towards Operation & Maintenance shall be made subject to fulfillment of SLAs.	Please Clarify that O&M Payment will be Prorated based on the each Phase Go Live. Please elaborate the Payment % For e.g. Phase-2 Go Live/Commissioning - 40% of the Deliverables Scope Phase-3 Go Live/Commissioning - 30% of the Deliverables Scope Phase-4 Go Live/Commissioning - 30% of the Deliverables Scope	Volume 2	Technical Spec.	As per RFP
637	Volume 2: Scope of Work including Functional and Technical Specification	4.7 Electrical works and power supply, Page 33	Electricity charges for all the field elements/command and control center shall be borne by the authority. The SI shall directly interact with electricity board (APDCL) for provision of mains power supply at all the identified locations for INTELLIGENT CITY SURVEILLANCE SYSTEM field solution before Go-Live. The electricity charges after Go-Live of the project shall be borne by the authority as per actual consumption. The SI shall be responsible to submit the electricity bill including connection charge, meter charge etc. to the electricity board (APDCL) directly.	Please clarify following: 1. Connection Charges, One time Implementation and Meter Charges will be borne and reimbursed to SI by Authority since connection will be in the name of Authority. 2. Electricity Charges, Meter Charges will be reimbursed to SI from the date site get commissioned.	Volume 2	Technical Spec.	As per RFP
638	Volume 2: Scope of Work including Functional and Technical Specification	4.8 Civil and Electrical works, Point c, Page 33	The SI to carry out study and identify locations to provide UPS backup, depending upon power situation across city, so as to meet the camera uptime requirements.	Request you to please include UPS along with Specification (i.e., 2 KVA, 5 KVA , 10 KVA) under BoQ for SI to provide unit values for Authority to decide based on actual need basis.	Volume 2	Technical Spec.	As per RFP
639	Volume 2: Scope of Work including Functional and Technical Specification	Operation Power charges, Page 33	One time electrical meter connection installation & implementation, cabling charges and the operation & maintenance Incident management, complaint logging for any fault in meter or field electrical connections will be responsibility of MSI during the entire contract period	Please clarify following: 1. Connection Charges, One time Implementation and Meter Charges will be borne and reimbursed to SI by Authority since connection will be in the name of Authority. 2. Electricity Charges, Meter Charges will be reimbursed to SI from the date site get commissioned.	Volume 2	Technical Spec.	As per RFP
640	Volume 2: Scope of Work including Functional and Technical Specification	Operation Power charges, Page 33	Operational power charges for the field electrical meter will be paid by MSI after readiness & final acceptance of the site and reimbursed by GSCL. MSI will be responsible of arranging the power for installation, implementation & testing of the site till final acceptance by GSCL. Field Electrical Meters will be issued in the name of GSCL.	Please clarify following 1. Electricity Charges, Meter Charges and fuel expense will be reimbursed to SI from the date site get commissioned. It is not linked with complete Phase Commission or Overall Go Live of the Project	Volume 2	Technical Spec.	As per RFP
641	Volume-2 5 MP IP Bullet Camera with in-built 100 Mtr. IR	44	Bidder shall ensure compliance to the Office Memorandum for insertion of Rule 144 (xi) in the General Finance Rules (GFR)-2017 bearing reference number F.No. 6/18/2019-PPD dated 23 July 2020 or latest, by the Public Procurement Division, Department of Expenditure, Ministry of Finance. Noncompliant bid(s) will be summarily rejected. The OEM should not have any common directors who are also on the board of companies having beneficiaries from land border countries at the time of bidding. The camera OEM must submit declaration regarding their own manufacturing setups and shall not have 3rd party manufacturing from any company blacklisted in India or any company sharing land border with India. The IPR/copyright of source code of firmware/software etc. should not reside in countries sharing land borders with India. OEM should submit supporting document to establish proof of this eligibility criteria.	Request removal of below clause as it will allow truly make in India manufacturers with their 100% local stake holding pattern to participate in the RFP . Bidder shall ensure compliance to the Office Memorandum for insertion of Rule 144 (xi) in the General Finance Rules (GFR)-2017 bearing reference number F.No. 6/18/2019-PPD dated 23 July 2020 or latest, by the Public Procurement Division, Department of Expenditure, Ministry of Finance. Noncompliant bid(s) will be summarily rejected. <u>The OEM should not have any common directors who are also on the board of companies having beneficiaries from land border countries at the time of bidding.</u> The camera OEM must submit declaration regarding their own manufacturing setups and shall not have 3rd party manufacturing from any company blacklisted in India or any company sharing land border with India. The IPR/copyright of source code of firmware/software etc. should not reside in countries sharing land borders with India. OEM should submit supporting document to establish proof of this eligibility criteria.	Volume 2	Technical Spec.	As per RFP
642	Volume-2 5 MP IP Bullet Camera with in-built 100 Mtr. IR	45	Electronic Shutter:- Auto, Slow Shutter, (1/1s-1/100,000s Adjustable)	Image output is the combination of Aperture ,Shutter Speed and Image sensor, and these units are varies OEM to OEM.1/30,000 Shutter speed is enough to get the clear image during darker Scene, <u>Kindly requesting to amend this clause as :- Auto, Slow Shutter, (1/1s- 1/30,000 s Adjustable), to participate the maximum OEM with compatibility.</u>	Volume 2	Technical Spec.	As per RFP
643	Volume-2	45	Lens:- 5-50mm Motorized Lens	Lens Size depends on the area perspective/ side to side , where Lens Size varies as per area .The lens size should be variable -2.7 to 13.5 mm/ 8 to 32 mm/ 7to 35 mm/5 to 50 mm . <u>Kindly requesting to amend this clause as :- Varifocal motor-driven lens, 2.7 to 13.5 mm / 7 to 35 mm / 8 to 32 mm/5 to 50 mm, to participate the maximum OEM with compatibility.</u>	Volume 2	Technical Spec.	As per RFP
644	Volume-2	45	Security Feature:- X 509 certificate	SSL/TLS (Secure Sockets Layer/Transport Layer Security) certificates are used for securing web traffic and authenticating websites. SSL/TLS certificates are also based on X. 509. <u>Kindly requesting to amend this clause as:- New Password Policy, ActiveX Remove, Shifting to HTML5, HTTPS, Video Encryption , HTTPS X 509 certificate, syslog, 801 X, Trusted Boot,SSL/TLS (Secure Sockets Layer/Transport Layer Security) , to participate the maximum OEM with compatibility.</u>	Volume 2	Technical Spec.	As per RFP

645	Volume-2 SMP IP PTZ Camera 30x Optical Zoom	46	Focal Length:- 4.7~141mm @F1.5~F4.0 or equivalent to 30x Optical zoom	Image output is the combination of Aperture ,Shutter Speed and Image sensor, and these units are varies OEM to OEM. <u>Kindly requesting to amend this clause as:- 6mm ~ 250 mm @F1.2 ~F4.0 or equivalent to 30x Optical zoom, to participate the maximum OEM with compatibility.</u>	Volume 2	Technical Spec.	As per RFP
646	Volume-2	46	Shutter Time:- 1/100000s~1s	Image output is the combination of Aperture ,Shutter Speed and Image sensor, and these units are varies OEM to OEM.1/30,000 Shutter speed is enough to get the clear image during darker Scene, <u>Kindly requesting to amend this clause as :- Auto, Slow Shutter, (1/1s- 1/30,000 s Adjustable), to participate the maximum OEM with compatibility.</u>	Volume 2	Technical Spec.	As per RFP
647	Volume-2	46	Pan Range/Pan Speed:- 360° endless/ Pan Manual Speed: 0.1°~400°/s, Pan Preset Speed: 400°/s	Pan Manual speed and Pan Preset speed can not be equal, and Pan Preset Speed always greater than Pan manual Speed. <u>Kindly requesting to amend this clause as :- 360° endless / Pan Manual Speed:configurable from 0.1° to 200°/s; preset speed: 250°/s , to participate the maximum OEM with compatibility.</u>	Volume 2	Technical Spec.	As per RFP
648	Volume-2	46	Tilt Range/Tilt Speed:-Tilt Manual Speed: 0.1°~320°/s, Tilt Preset Speed: 320°/s	Tilt Manual speed and Pan Preset speed can not be equal, and Tilt Preset Speed always greater than Tilt manual Speed. <u>Kindly requesting to amend this clause as :- Tilt Manual Speed: configurable from 0.1° to 150°/s, Tilt preset speed 250°/s ,to participate the maximum OEM with compatibility.</u>	Volume 2	Technical Spec.	As per RFP
649	Volume-2	46	Patrol:-8 Patrols, up to 48 presets each patrol	We can achieve unlimited presets through patterns . <u>Kindly requesting to amend this clause as :- 8 Patrols, up to 30 presets each patrol and Pattenrs ,to participate the maximum OEM with compatibility.</u>	Volume 2	Technical Spec.	As per RFP
650	Volume-2	46	Video Streaming:- Main Stream: 60fps@ (1920x1080, 1280x960) Sub Stream: 60fps@(704x576, 640x480, 640x360) Third Stream: 30fps@(1920x1080, 1280x720,704x576)	30 fps is the standard frame rate for Surveillance Camera for real time view, where 60 fps will be required more bandwidth and consume unnecessary storage and it will increase the cost also. <u>Kindly requesting to amend this clause as :-Main Stream: 30fps@(2592x1944), 25/30fps@ (1920x1080, 1280x960) Sub Stream: 25/0fps@(704x576, 640x480, 640x360) Third Stream: 30fps@(1920x1080, 1280x720,704x576), to participate the maximum OEM with compatibility.</u>	Volume 2	Technical Spec.	As per RFP
651	Volume-2	46	Protocol:- SIP	SIP is audio and video calling protocol which is not generally required in Surveillance camera , <u>Kindly requesting to amend this clause as:- IPv4/IPv6, SMTP, SNMP, UPnP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP , to participate the maximum OEM with compatibility.</u>	Volume 2	Technical Spec.	As per RFP
652	Volume-2	47	Video Analysis:-Loitering, People Counting	Loitering and people counting is more perfect for fixed camera, where PTZ is movable camera and not giving accurate out in Loitering and People Counting . <u>Kindly requesting to amend this clause as:- Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Object Left, Object Removed , to participate the maximum OEM with compatibility.</u>	Volume 2	Technical Spec.	As per RFP
653	Volume 2	35 of 236	(4.13 Design, Supply, Installation and Commissioning of the Field Equipment:) The SI shall be responsible for obtaining all permits and approvals necessary to install the Intelligent City Surveillance System components from authority. However, authority shall borne the ROW charges and provide permissions from various government		Volume 2	Technical Spec.	As per RFP
654	Volume 2	98 of 236	(5.10 Integrated Command and Control Centre (ICCC)) Proposed ICCC Platform should have been deployed in at least 5 smart cities in India /Global. Minimum 3 City implementations must be in India among the 5 implementations.All these implementations should be successfully operational for least 3 years with Integration to minimum 10 different sub systems / applications. Document Proof: OEM Shall submit P.O and Completion Certificate/ Installation Notes/UAT Certificates from MSI as documentary proof.	We request you to change the criteria as below for multiple OEM participation: "Proposed ICCC Platform should have been deployed in at least 5 2 smart cities in India /Global. Minimum 3 City implementations must be in India among the 5 implementations. All these implementations should be successfully operational for least 3 years with Integration to minimum 10 different sub systems / applications." Document Proof: OEM Shall submit P.O and Completion Certificate/ Installation Notes/UAT Certificates from MSI as documentary proof.	Volume 2	Technical Spec.	Please read the clause as below: Proposed ICCC Platform should have been deployed for at least 5 smart cities/safe city/ city wide surveillance Projects in India. Additionally, the ICCC Platform should have been successfully operational in any smart city/safe city/ city wide surveillance Projects for least 2 years from the date of tender release with Integration to 3 different systems. Document Proof: OEM Shall submit P.O and / or Completion Certificate/ Installation Notes as documentary proof. ICCC Platform OEM should have ISO 9001:2015 & ISO 27001:2013. ICCC platform should be Make In India.

655	Volume 2	27 of 236	<p>(Project Deliverable, Milestones and Timelines)</p> <p>Date of signing of Agreement = T0 Phase - 1 - Project Initiation = T0 + 2 months Phase - 2 - ICC and 30% of identified field locations Supply of materials = T0 + 4 months Installation of materials = T0 + 5 months Commissioning of materials = T0 + 6 months Phase - 3 - Next 30% of identified field locations Supply of materials = T0 + 5 months Installation of materials = T0 + 6 months Commissioning of materials = T0 + 7 months Phase 4 - Remaining 40% of field locations Supply of materials = T0 + 5 months Installation of materials = T0 + 7 months Commissioning of materials = T0 + 8 months Phase 5 - Final Go-Live and O&M Final Go Live and UAT = T0 + 9 months (T1) Operation and Maintenance phase (O&M) - After Final Acceptance Testing & Go-Live of entire solutions = T1 + 60 months</p>	<p>We would like to highlight here that the minimum lead time for all the IT components required is 12 to 16 weeks & order for the finalized quantity shall be placed on the OEMs post final site survey completion (i.e., 2 Month from Contract Signing). Hence considering the above, it is very challenging for any System Integrator to meet such stringent timelines as per RFP.</p> <p>We request you to change the timelines as amended below as the timelines given: Project Deliverable, Milestones and Timelines: Date of signing of Agreement = T0 Phase - 1 - Project Initiation = T0 + 2 months Phase - 2 - ICC and 30% of identified field locations Supply of materials = T0 + 6 months Installation of materials = T0 + 7 months Commissioning of materials = T0 + 8 months Phase - 3 - Next 30% of identified field locations Supply of materials = T0 + 7 months Installation of materials = T0 + 8 months Commissioning of materials = T0 + 9 months Phase 4 - Remaining 40% of field locations Supply of materials = T0 + 9 months Installation of materials = T0 + 10 months Commissioning of materials = T0 + 11 months Phase 5 - Final Go-Live and O&M Final Go Live and UAT = T0 + 12 months (T1) Operation and Maintenance phase (O&M) - After Final Acceptance Testing & Go-Live of entire solutions = T1 + 60 months</p>	Volume 2	Technical Spec.	As per RFP
656	Volume 2	30 of 236	<p>(3.2 Payment Schedule – Operation & Maintenance Phase)</p> <p>The Operations and maintenance phase will start as soon as Go-Live for each phase occurs.</p>	Please confirm that O&M phase shall start as soon as Go-live for each phase occurs.	Volume 2	Technical Spec.	As per RFP
657	Volume 2	29 of 236	<p>(3.Payment Schedule)</p> <p>10% of the CAPEX cost shall be released on submission of Detailed Survey Report, Design Built Report (DBR) containing the High Level Design, Low Level Design, BOQ, Detailed Project deployment plan including Operations Management, Contract Management, Risk Management</p> <p>50% of the CAPEX cost shall be released on Supply of material on pro-rata basis as per the approved supply plan by GSCL.</p> <p>15% of the CAPEX cost shall be released on Installation on pro-rata basis and as per the approved supply plan by GSCL</p> <p>15% of the CAPEX cost shall be released on Commissioning on prorata basis and as per the approved supply plan by GSCL.</p> <p>5% of the CAPEX cost shall be released on Go Live of individual systems on prorata basis and as per the approved supply plan by GSCL.</p> <p>5% of the CAPEX cost shall be released on overall Go Live of the complete project.</p>	<p>We request you to change the payment terms as amended below: 3.Payment Schedule</p> <p>10% of the CAPEX cost shall be released on signing of contract - interest free mobilization advance against submission of PBG.</p> <p>10% of the CAPEX cost shall be released on submission of Detailed Survey Report, Design Built Report (DBR) containing the High Level Design, Low Level Design, BOQ, Detailed Project deployment plan including Operations Management, Contract Management, Risk Management</p> <p>50% 55% of the CAPEX cost shall be released on Supply of material on pro-rata basis as per the approved supply plan by GSCL.</p> <p>15% 10% of the CAPEX cost shall be released on Installation on pro-rata basis and as per the approved supply plan by GSCL.</p> <p>15% 5% of the CAPEX cost shall be released on Commissioning on prorata basis and as per the approved supply plan by GSCL.</p> <p>5% of the CAPEX cost shall be released on Go Live of individual systems on prorata basis and as per the approved supply plan by GSCL.</p> <p>5% of the CAPEX cost shall be released on overall Go Live of the complete project.</p>	Volume 2	Technical Spec.	As per RFP
658	Volume 2	155 of 236	<p>(5.20 SAN STORAGE)</p> <p>Controllers: Minimum dual controllers with symmetric active-active architecture.</p>	<p>As per RFP, we understand that the SAN Storage with Symmetric Active- Active architecture which is specific to single OEM. Hence request to revise the clause as below.</p> <p>Change To: Controllers: Minimum dual controllers with active-active architecture.</p>	Volume 2	Technical Spec.	Refer corrigendum
659	Volume 2	155 of 236	<p>(5.20 SAN STORAGE)</p> <p>Cache Memory: Should be provided with minimum 768GB Global cache or more.</p>	<p>As per RFP, we understand that the Cache memory should be provided. However the Global Cache is a OEM Specific term that restricts multiple OEM Participation. Hence request to revise the clause as below.</p> <p>Change To: Cache Memory: Should be provided with minimum 768GB cache or more.</p>	Volume 2	Technical Spec.	Refer corrigendum
660	Volume 2	155 of 236	<p>(5.20 SAN STORAGE)</p> <p>Storage subsystem should support 10TB/14TB/18TB or higher NLSAS/SATA/equivalent 7.2K drives in the same device array.</p>	<p>As per RFP, we understand that the Storage Subsystem to be provided. Kindly modify the the clause as below to allow multiple OEM participation.</p> <p>Change To: Storage subsystem should support 10TB/12TB/14TB/18TB or higher NLSAS/SATA/equivalent 7.2K drives in the same device array.</p>	Volume 2	Technical Spec.	Refer corrigendum
661	Volume 2	155 of 236	<p>(5.20 SAN STORAGE)</p> <p>Multipath: Multi-path & Load balancing should be supported. Unlimited host multipath licenses should be quoted from day one.</p>	<p>Multipath: Multi-path & Load balancing should be supported. Either Unlimited host multipath licenses should be quoted from day one OR the storage system must support native host OS based multipathing.</p>	Volume 2	Technical Spec.	Refer corrigendum

662	Volume 2	155 of 236	(5.20 SAN STORAGE) Tiering: Should support inbuilt automated tiering feature that migrates the most frequently accessed data to the SSD/RAM. Necessary licenses for configured capacity if required without additional cost	Change To: Tiering: Should support inbuilt automated tiering feature that migrates the most frequently accessed data to the SSD, SAS Drives. Necessary licenses for configured capacity if required without additional cost Justification:Tiering moves frequently accessed data from slower performing NLSAS HDD to higher performing SSD and SAS 10K HDD. It does not move the data from Drives to RAM. Request to kindly amend the clause as requested in order to avoid any sub standard product that may pose threat to GSCL's investments.	Volume 2	Technical Spec.	Refer corrigendum
663	Volume 2	151 of 236	5.16 : 24 Port L3 Switch (fully loaded) Management : Switch needs to have console port for management via a console terminal or PC Must have support SNMP v1,v2 and v3 Should support 4 groups of RMON Should have accessibility using Telnet, SSH, Console access, easier software upgrade through network using TFTP etc. Configuration management through CLI/GUI based software utility and using web interface	Change to : Should support telemetry and streaming data Configuration management through CLI/GUI Justification:Network performance and traffic monitoring has evolved over the years, and its replacement or successor technologies have emerged to address the changing needs of modern networks .Modern network devices support telemetry and streaming data, which provide real-time information about network performance Embedded web server (GUI) is a Security concern and management of switches vide centralized NMS only , hence request to kindly remove the "utility and using web interface " keywords from specifications for wider participation from all the OEMs.	Volume 2	Technical Spec.	Refer corrigendum
664	Volume 2	152 of 236	5.17 : 24 Port Distribution Switch (Fully Loaded Non PoE) 24 port switch, 24 port RJ45 (10/100/1000) with uplink	24x 1g SFP ports 4x 10G SFP+ with dedicated Stacking ports Justification:Uplink Ports for Connectivity have been added , Request to kindly ammend the clause as requested, for wider participation from all the OEMs.	Volume 2	Technical Spec.	As per RFP
665	Volume 2	153 of 236	5.18 24 Port PoE Switch	24x 1g SFP ports 4x 10G SFP+ with dedicated Stacking ports Justification:Uplink Ports for Connectivity have been added , Request to kindly ammend the clause as requested, for wider participation from all the OEMs.	Volume 2	Technical Spec.	As per RFP
666	Volume 2	31 of 236	4.4 Provisioning hardware and software It includes design, supply, installation and commissioning of IT Infrastructure at CCC with Cloud Data Center. This consists of: • Application integration services with other Government systems.	Kindly clarify the below points to provide better solution. a) Any specific targeted Government systems for integration. Kindly mention the targeted System. b) What types of data and information will be exchanged between the integrated applications and Government systems? c) What factors or criteria need to be considered to determine the choice of a particular database management system for this project?	Volume 2	Technical Spec.	As per RFP
667	Volume 2	54 of 236	5.4 Video Monitoring, Recording & Management software The VMS software must be capable to send events via SMS, email and WhatsApp provided the credentials to the designated client.	Kindly confirm is there any limitations or restrictions on the number of recipients or messages that can be sent simultaneously using these notification methods?	Volume 2	Technical Spec.	As per RFP
668	Volume 2	37 of 236	The Intelligent City Surveillance System applications proposed by the SI should have open APIs and should be able to integrate and share the data with other third- party systems already available	Kindly mention the detail list of existing third party system that will be integrated with Intelligent City Surveillance System applications	Volume 2	Technical Spec.	As per RFP
669	Volume 2	General	General	Kindly confirm if there are any existing SMS and Email gateway that will can be leveraged for current requirement	Volume 2	Technical Spec.	Bidder to consider in their scope.
670	Volume 2	228 of 236	1) COTS GIS platform with 16 core licenses for 3D GIS	The core is a key component of GIS-based Architecture, and it varies from one manufacturer to the next depending on the distributed architecture, components and capacity planning. 1) If department looking for a 16-core GIS Platform for Enterprise use, the architecture would be a 4-Core GIS Web Adapter, a 4-Core GIS Portal, a 4-Core GIS Server, and a 4-Core GIS Database. Could you Please confirm our understanding or provide the detail architecture? 2) Allow SI/OEM to set the core based on the Overall IT Architecture for this project.	Volume 2	Technical Spec.	As per RFP
671	Volume 2	228 of 236	1) COTS GIS platform with 16 core licenses for 3D GIS	As mentioned by the Department for 16 Core GIS License. Kindly provide the 16 core Archictural sheet to understand Core wise function, Core wise module,Core wise VM number, Core wise RAM size, Core wise storage, Core wise OS size, Core wise OS type, Core wise database, Core wise storage scalability. Or, let's OEM/ SI choose the IT & GIS core which would be the most suitable for this solution.	Volume 2	Technical Spec.	As per RFP
672	Volume 2	228 of 236	...), 3D Building and animation file i.e CZML Collada - *.dae, *.obj, *.gltf	SLC and Hybrid Polarimetric data is a radar satellite imge poperity, are you going to use radar satellite imagery for this rfp? If yes, please rovide the satellite name?	Volume 2	Technical Spec.	As per RFP
673	Volume 2		Generic Query	Your specification numbe 5(page 228/Volume 2) mentioned Server deployed Software should run as a native 64-bit application and should support Windows 64- bit and Linux 64 bits, where as in BOQ excel(Serial number 7.15, Capex tab) it has been writteen Only Windows OS. As Linux is the most secure operating System to handle sensative City surveillance data We suggest to modify "Enterprise GIS must support both Linux and Windows" like other software mentioned in your RFP	Volume 2	Technical Spec.	terprise GIS must support both Linux and Windows
674	Volume 2	15 of 236 109 of 236	5.10 Integrated Command and Control Centre(ICCC) 2.4 Geographical Information System (GIS) The integration of GIS layers, such as camera positioning, building structures, and utility resources, can provide real-time, actionable intelligence to operators during an incident. The GIS platform can also be used to monitor and analyze crime patterns and hotspots, allowing for proactive and preventative measures to be taken. S.no - 237 Description - It should be possible to visualize all the Assets (Sensor, Devices, Vehicles, Cameras, other city resources) on map.	1) We assume that specific facility like Road layer, Utility layer, Building Structure etc, Admin boundary layer, required in project, as base map will be provided by Department/MSI/Vendor, in GIS ready spatial format. 2) We assume that all the Assets (Sensor, Devices, Vehicles, Cameras, other city resources) and other assets/Sensors, required in project, will be provided by MSI/Vendor, in GIS ready spatial format.	Volume 2	Technical Spec.	Required Base maps would be provided by department. All Assets locational and attribute information that are installed as per scope of project shall be provided by MSI / Concrened Vendors

675	Volume 2	121 of 236	<p>5.10 Integrated Command and Control Centre(ICCC)</p> <p>S.no. - 9 Dashboard Use Cases View the map with the point of interests, live spot for buses, Bus stops.</p> <p>S.no - 10 Application Use Cases - MAP based visualization of the assets like Vehicle Type, Bin Type, Vehicle Status, Citizen Grievance, Cameras</p> <p>S.no - 10 Application Use Cases - Creation of POI's by providing details such as Zone, Ward, POI Name, POI Type, POI Lonn/lat, POI Radius, POI Address.</p> <p>5.10 Integrated Command and Control Centre(ICCC)</p>	We assume that all the required POI's for the project, will be provided by the Department, in GIS ready spatial format	Volume 2	Technical Spec.	<p>Required POI locational information shall be collected from department.</p> <p>OR</p> <p>Bidder are open to incorporate POI data freely available in public domain.</p>
676	Volume 2	110 of 236 121 of 236	<p>S.no - 247 Description - a. Map services and geospatial coordinates: Shall provide the geographical coordinates of specific facilities, roads, and city infrastructure assets, as well as unmapped facilities</p> <p>S.no - 10 Application Use Cases - Creation of POI's by providing details such as Zone, Ward, POI Name,</p>	We assume that specific facility like Road layer, Utility layer, Building Structure, Admin boundary layer, and other spatial layer required in project as base map will be provided by Department, in GIS ready spatial format	Volume 2	Technical Spec.	<p>Required Base maps would be provided by department. OGC standard map services for integration should be in scope of GIS vendor.</p> <p>The customized GIS application should have functions for creation of new spatial geometry i.e POI as per approved data model only.</p>
677	Volume 2	44 of 236	<p>5.1 CAMERA SPECIFICATION</p> <p>All Cameras to be of Same Make and need to share this specification (Power Consumption, Warranty Period, Field Of View, Firmware update (Auto or manual) spec, Form factor/dimension/weight) along with table mentioned enec</p>	We understand from the RFP, that all cameras to be of Same Make. Kindly remove this clause as it will effect the multiple OEMs/Vendor participation.	Volume 2	Technical Spec.	As per RFP
678	Volume 2	45 of 236	5 MP IP Bullet Camera with in-built 100 Mtr. IR Sensor - 1/2.7", 5MP Progressive Scan CMOS Sensor	As we understand from the RFP, camera specification is asking for 1/2.7" Progressive Scan CMOS Sensor. We recommend to revise the clause as "Sensor - 1/2.7", 5MP Progressive Scan CMOS Sensor or better".	Volume 2	Technical Spec.	As per RFP
679	Volume 2	45 of 236	5 MP IP Bullet Camera with in-built 100 Mtr. IR Security Feature-New Password Policy, ActiveX Remove, Shifting to HTML5, HTTPS, Video Encryption , HTTPS X 509 certificate, syslog, 801.X, Trusted Boot	Kindly modify the clause as below as it is OEM specific which will effect the wider camera OEMs/Vendors participation. "Security Feature-New Password Policy, ActiveX Remove, HTTPS, Video Encryption, syslog, 801.X"	Volume 2	Technical Spec.	As per RFP
680	Volume 2	45 of 236	5 MP IP Bullet Camera with in-built 100 Mtr. IR Protocol-TCP/IP, IPv4,IPv6, RTCP, RTP, UPnP, SMTP, FTP, ICMP, HTTP, HTTPS, HTTP-Base64, HTTP-Digest, DHCP, DNS, DDNS, RTP, RTSP, IGMP, P2P, IP Filter, SNMP V1 & V2	Kindly revise the clause as "Protocol-TCP/IP, IPv4,IPv6, RTCP, RTP, UPnP, SMTP, FTP, ICMP, HTTP, HTTPS, DHCP, DNS, DDNS, RTP, RTSP, IGMP,IP Filter, SNMP V1 & V2" as the protocols like HTTP-Base64, HTTP-Digest,P2P are OEM specific	Volume 2	Technical Spec.	As per RFP
681	Volume 2	45 of 236	5 MP IP Bullet Camera with in-built 100 Mtr. IR OEM should have ISO 9001, 14001, 27001, 45001, ISO/IEC 27032:2012 and CMMI Level 5 Certificate.	Kindly revise the clause as "OEM should have ISO 9001, 14001, 27001, 45001." for multiple OEM participation.	Volume 2	Technical Spec.	As per RFP
682	Volume 2	46 of 236	5MP IP PTZ Camera 30x Optical Zoom Image Sensor-1/1.9" Progressive Scan CMOS	As we understand from the RFP, that the camera specification is asking for 1/1.9" Progressive Scan CMOS Sensor.We recommend to revise the clause as "Image Sensor-1/1.9" Progressive Scan CMOS or better"	Volume 2	Technical Spec.	As per RFP
683	Volume 2	46 of 236	5MP IP PTZ Camera 30x Optical Zoom Field of View-H58°~H3°/D71°~D3°/V44°~V2°	As we understand from the RFP, camera specification is asking for Field of View-H58°~H3°/D71°~D3°/V44°~V2°.We recommend to revise the clause as "Field of View-H58°~H3°/D71°~D3°/ V44°~V2° or equivalent" as the different make have different FOV.	Volume 2	Technical Spec.	As per RFP
684	Volume 2	46 of 236	5MP IP PTZ Camera 30x Optical Zoom WDR-140dB Super WDR	Kindly revise the clause as "WDR-120dB or better" as the mentioned 140dB Super WDR is single OEM specific	Volume 2	Technical Spec.	As per RFP
685	Volume 2	46 of 236	5MP IP PTZ Camera 30x Optical Zoom Alarm(I/O-4 IN/2 Out	Kindly revise the clause to "minimum Alarm I/O- 2 IN/1 Out" as the revised clause will help in multiple OEM participation.	Volume 2	Technical Spec.	As per RFP
686	Volume 2	47 of 236	5MP IP PTZ Camera 30x Optical Zoom Smart Defogger-Built-In Fan & Heater combined with Software algorithm Provide Fog Free Picture	As we understand from the RFP, camera specification is asking for "Smart Defogger-Built-In Fan & Heater combined with Software algorithm Provide Fog Free Picture".we recommend to revise the clause as "Smart Defogger-Built-In Fan & Heater combined " as different make as different Smart defogger functionalities.	Volume 2	Technical Spec.	As per RFP
687	Volume 2	46 of 236	5MP IP PTZ Camera 30x Optical Zoom Other Feature-Day & Night, 3D positioning, Backlight Compensation, White Balance, Gain Control, Ultra DNR (2D/3D), Electronic Image Stabilization (EIS)	Kindly revise the clause as "Other Feature-Day & Night, 3D positioning, Backlight Compensation, White Balance, Gain Control, DNR (2D/3D), Electronic Image Stabilization (EIS) " for wider OEM participation.	Volume 2	Technical Spec.	As per RFP
688	Volume 2	47 of 236	5MP IP PTZ Camera 30x Optical Zoom Working Condition Temperature: -50°C~70°C / Humidity: 0~95%(Non-condensing)	Kindly revise the clause to "Working Condition Temperature: -20°C~60°C" for wider OEM participation.	Volume 2	Technical Spec.	As per RFP
689	Volume 2	47 of 236	5MP IP PTZ Camera 30x Optical Zoom Power Supply-PoE (802.3at) / AC 24V/3A±10%	Kindly revise the clause to "Power Supply-PoE (802.3at) / AC 24V/3A±10% or better "	Volume 2	Technical Spec.	As per RFP
690	Volume 2	47 of 236	5MP IP PTZ Camera 30x Optical Zoom Power Consumption-16.5W MAX / 35.5W MAX	Kindly remove the clause to provide better solution.	Volume 2	Technical Spec.	As per RFP
691	Volume 2	47 of 236	5MP IP PTZ Camera 30x Optical Zoom Surge Protection-IP67 Compliant, IK10 Certified, Level 2 lightning protection.6000V surge protection.	Kindly revise the clause to "Surge Protection-IP67 Compliant, IK10 Certified and lightning protection" for multiple OEM participation.	Volume 2	Technical Spec.	As per RFP

692	Volume 2	47 of 236	5 MP IP PTZ Camera 30x Optical Zoom OEM should have ISO 9001, 14001, 27001, 45001, ISO/IEC 27032:2012 and CMMI Level 5 Certificate	Kindly revise the clause as "OEM should have ISO 9001, 14001, 27001, 45001." for multiple OEM participation.	Volume 2	Technical Spec.	As per RFP
693	Volume-2	47 of 236	5 MP IP PTZ Camera 30x Optical Zoom Video Analysis:-Loitering, People Counting	For Analytics such as Loitering and people counting requires fixed Field of View of camera, where PTZ is equipped to Pan, Tilt and Zoom functionality and the output from the PTZ will not help running Video analytics. Kindly revise the clause as:- Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Object Left, Object Removed , to allow multiple OEM participation.	Volume 2	Technical Spec.	As per RFP
694	Volume 2	47 of 236	5 MP IP BOX Camera Sensor-1/2.7", 5MP Progressive Scan CMOS Sensor	As we understand from the RFP, that the camera specification is asking for 1/2.7" Progressive Scan CMOS Sensor. We recommend to revise the clause as "Sensor - 1/2.7", 5MP Progressive Scan CMOS Sensor or better".	Volume 2	Technical Spec.	As per RFP
695	Volume 2	48 of 236	5 MP IP BOX Camera Security Feature-New Password Policy, ActiveX Remove, Shifting to HTML5, HTTPS, Video Encryption , HTTPS X 509 certificate, syslog, 801.X, Trusted Boot	Kindly modify the clause as below as it is OEM specific which will effect the wider camera OEMs/Vendors participation. "Security Feature-New Password Policy, ActiveX Remove, HTTPS, Video Encryption, syslog, 801.X "	Volume 2	Technical Spec.	As per RFP
696	Volume 2	48 of 236	5 MP IP Box Camera Protocol-TCP/IP, IPv4,IPv6, RTCP, NTP, UPnP, SMTP, FTP, ICMP, HTTP, HTTPS, HTTP-Base64, HTTP-Digest, DHCP, DNS, DDNS, RTP, RTSP, IGMP, P2P, IP Filter, SNMP V1 & V2	Kindly revise the clause as "Protocol-TCP/IP, IPv4,IPv6, RTCP, NTP, UPnP, SMTP, FTP, ICMP, HTTP, HTTPS, DHCP, DNS, DDNS, RTP, RTSP, IGMP,IP Filter, SNMP V1 & V2" as the protocols like HTTP-Base64, HTTP-Digest,P2P are OEM specific	Volume 2	Technical Spec.	As per RFP
697	Volume 2	48 of 236	5 MP IP Box Camera OEM should have ISO 9001, 14001, 27001, 45001, ISO/IEC 27032:2012 and CMMI Level 5 Certificate.	Kindly revise the clause as "OEM should have ISO 9001, 14001, 27001, 45001." for multiple OEM participation.	Volume 2	Technical Spec.	As per RFP
698	Volume 2	50 of 236	5.4 Video Monitoring, Recording & Management software VMS from ONVIF Full Member OEM which should be tested on at least 30 Camera OEMs and 3rd party VA is mandated. The Video Monitoring, Recording & Management software (VMS) should be integrable with in-house apps developed by Indian Government.	Kindly remove the clause to allow multiple OEM participation	Volume 2	Technical Spec.	As per RFP
699	Volume 2	50 of 236	5.4 Video Monitoring, Recording & Management software OEM of VMS should be in the manufacturing for minimum 15 years globally. Bidder to submit OEM undertaking with details.	Kindly remove the clause to allow multiple OEM participation	Volume 2	Technical Spec.	As per RFP
700	Volume 2	50 of 236	5.4 Video Monitoring, Recording & Management software OEM of camera and VMS must have supplied and executed min. 1000 IP camera license in any CCTV surveillance system project (Either directly by OEM or SI) to any state / central govt / PSU / Judiciary / or any govt. institution in last 05 years ending on the tender floating date.	Kindly remove the clause to allow multiple OEM participation	Volume 2	Technical Spec.	As per RFP
701	Volume 2	50 of 236	5.4 Video Monitoring, Recording & Management software To ensure openness VMS should not be from the same OEM of CCTV camera and OEM of Video Analytics	Kindly remove the clause to allow multiple OEM participation	Volume 2	Technical Spec.	As per RFP
702	Volume 2	51 of 236	5.4 Video Monitoring, Recording & Management software VMS shall support IP cameras (all the features & functionalities) from at least thirty (50) major camera brands with API level Integration. Documentary evidence having make detail should be mandatorily submitted.	Kindly remove the clause to allow multiple OEM participation	Volume 2	Technical Spec.	As per RFP
703	Volume 2	51 of 236	5.4 Video Monitoring, Recording & Management software The offered VMS should have integration with 10000+ camera models at API level. Documentary evidence having camera make and model detail should be mandatorily submitted.	Kindly remove the clause to allow multiple OEM participation	Volume 2	Technical Spec.	As per RFP
704	Volume 2	51 of 236	5.4 Video Monitoring, Recording & Management software To ensure openness, VMS, cameras and VA should not be from the same manufacturer but should be tightly integrated on API level.	Kindly remove the clause to allow multiple OEM participation	Volume 2	Technical Spec.	As per RFP
705	Volume 2	51 of 236	5.4 Video Monitoring, Recording & Management software VMS OEM should be one of the top 5 OEM from Latest Global IHS World Report for Video Management Software	Kindly remove the clause to allow multiple OEM participation	Volume 2	Technical Spec.	As per RFP
706	Volume 2	51 of 236	5.4 Video Monitoring, Recording & Management software VMS should consist of only Base license and Channel Licenses. VMS should be provided with unlimited number of Failover Servers and Failover Camera Licenses.	As per BoQ, we understand that the total 2100 Nos of camera licenses has been mentioned as part of VMS. However, as per the RFP clause we understand that the failover license and failover cameras need to be provided as part of the solution.If yes kindly clarify the following: 1. What is the percentage of DC Channel licenses need to be considered for DR. 2. Kindly clarify whether bidder need to consider N:N or N:1 failover for the recorder servers.	Volume 2	Technical Spec.	As per RFP
707	Volume 2	51 of 236	5.4 Video Monitoring, Recording & Management software The VMS should be mandatory provided with 100 number of Client Licenses. In case of additional Licenses required, no extra cost needs to be considered.	Kindly provide the details of number of desktop licenses and number of mobileapp licenses required. How many web and mobile licenses required.	Volume 2	Technical Spec.	As per RFP

708	Volume 2	56 of 236	5.4 Video Monitoring, Recording & Management software Multi-streaming support shall allow the system to be configured with H.264 with a high frame rate for live viewing and shall allow the system to be configured with high resolution H.264 at low frame rates for recording and playback.	As per RFP, we understand that the Multi-streaming support shall allow the system to be configured with H.264 with a high frame rate for live viewing and shall allow the system to be configured with high resolution H.264 at low frame rates for recording and playback. However as per Camera Specifications the video recording shall support H.264 and H.265. We recommend to revise the clause as "Multi-streaming support shall allow the system to be configured with H.264 with a high frame rate for live viewing and shall allow the system to be configured with high resolution H.264/H.265 at low frame rates for recording and playback. "	Volume 2	Technical Spec.	As per RFP
709	Volume 2	54 of 236	5.4 Video Monitoring, Recording & Management software Video Recording Server should support archiving minimum resolution of 800 X 600 video to Central Unified storage at scheduled hours. Archiving should resume automatically after any disconnection in the WAN link between station and central location.	Kindly provide the below details to provide a better solution; 1. Bitrate, frame rate, compression Rate and resolution for Camera recording. 2. % of the total video feeds to be considered as flagged data.	Volume 2	Technical Spec.	As per RFP
710	Volume 2	12 of 236	5.4 Video Monitoring, Recording & Management software Integration with existing Traffic Management System:Video and analytic data from traffic management system will further strengthen the effectiveness of the city surveillance system for real time policing as well as help to identify trends and patterns, which can inform city planning and infrastructure improvements.	As per RFP clause, we understand that VMS system should be integrated with the existing Traffic Management system. The requirement is for the integration capability only. Kindly Confirm. Kindly clarify if any VMS license to be considered for Existing ITMS cameras along with the Make and model.	Volume 2	Technical Spec.	As per RFP
711	Volume 2	60 of 236	5.5 Technical Specifications of AI Based Video Intelligence Platform The inferencing hardware provisioned to run the video analytics application should be common to all the applications irrespective of the type of architecture of deployment. Any application including but not limited to surveillance apps like FRS, person attribute etc. should be capable of running on any device be it a central server or an edge based device or LPU .	Kindly clarify whether the bidder need to consider the video analytics at central server based or Edge server based for the below analytics. Surveillance Related – Facial Detection Advance Intrusion Detection Women Safety Vandalism Crowd Estimation and Management Abandon Object Detection Person Collapsing Encroachment Detection Stray animal Detection People Fighting/Violence Perimeter Detection Camera Health Monitoring	Volume 2	Technical Spec.	For video analytics that require real-time performance, some pre processing may run on the edge device. In general, all video analytics should be able to run on the central server.
712	Volume 2	64 of 236	5.5 Technical Specifications of AI Based Video Intelligence Platform Key UI View and operational functionalities of the Video Intelligence Platform "There will be 2 video analytics use cases deployed per fixed camera on an average."	As per RFP, we understand that the BoQ mentions 2500 Nos of Video Analytics and the total number of cameras are 2100 Nos. However based on this clause 2 analytics per camera is required on average. Kindly confirm the video analytics quantity.	Volume 2	Technical Spec.	Use cases to be deployed as decided during detailed engineering phase. Quantity of analytics confirmed in BoQ. For Facial Detection/Recognition System as per RFP specifications, BoQ is to be followed.
713	Volume 2	64 of 236	5.5 Technical Specifications of AI Based Video Intelligence Platform Video Synopsis UI- The Video Intelligence shall provide an intuitive UI for Vide Synopsys. Able to analyze all the recorded video files and provide the operator with synopsis video for quick review and investigation thereby reducing viewing time considerably. The video files from all the 3rd Party Video Management Software (VMS) shall be supported.	Kindly clarify how many Online and Offline license need to be considered as part of the Video synopsis solution	Volume 2	Technical Spec.	At least 30 cameras to be covered by Video Summarisation concurrently.Refer to BoQ for Video Summarisation-1 lot.
714	Volume 2	67 of 236	5.5 Technical Specifications of AI Based Video Intelligence Platform Flexible Technology Stack High Availability and Virtualization Support - The Video Intelligence platform should support HA and Virtualization from Day 1.	As per RFP, we understand that the Video Analytics Platform need to be considered in DC with HA. Kindly confirm	Volume 2	Technical Spec.	As per RFP
715	Volume 2	60 of 236	5.5 Technical Specifications of AI Based Video Intelligence Platform Surveillance Related – Facial Detection Advance Intrusion Detection Women Safety Vandalism Crowd Estimation and Management Abandon Object Detection Person Collapsing Encroachment Detection Stray animal Detection People Fighting/Violence Perimeter Detection Camera Health Monitoring	As per RFP, Detailed functional requirement for the following usecases are not provided,Kindly provide the same. Surveillance Related Usecases : Women Safety Vandalism Encroachment Detection Stray animal Detection People Fighting/Violence Perimeter Detection	Volume 2	Technical Spec.	Use cases to be deployed as decided during detailed engineering phase. Quantity of analytics confirmed in BoQ. For Facial Detection/Recognition System as per RFP specifications, BoQ is to be followed.

716	Bill of Quantity		AMC of AI based Video Analytics -2500Nos	As per RFP,we understand that following are the usecase list need to be considered as part of 2500Nos of VA licenses: Surveillance Related – Facial Detection Advance Intrusion Detection Women Safety Vandalism Crowd Estimation and Management Abandon Object Detection Person Collapsing Encroachment Detection Stray animal Detection People Fighting/Violence Perimeter Detection Camera Health Monitoring Person attribute. Kindly confirm the same.	Volume 2	Technical Spec.	Use cases to be deployed as decided during detailed engineering phase. Quantity of analytics confirmed in BoQ. For Facial Detection/Recognition System as per RFP specifications, BoQ is to be followed.
717	Bill of Quantity		AMC of AI based Video Analytics -2500Nos	Kindly provide the split up of Usecases for the Video Analytics licenses.	Volume 2	Technical Spec.	As per RFP
718	General		General	Kindly provide the required LPU specifications and License quantity need to be considered as part of the solution. Kindly incorporate the same in the BoQ. Also confirm whether the Local processing or Central processing is required for the Video Analytics	Volume 2	Technical Spec.	As per RFP
719	Volume 2	148 of 236	5.14 INDUSTRIAL GRADE SWITCH The switch should have minimum switching capacity of 24Gbps.	Please modify the clause as below: "The switch should have minimum switching capacity of 20Gbps.	Volume 2	Technical Spec.	As per RFP
720	Volume 2	148 of 236	5.14 INDUSTRIAL GRADE SWITCH Switch should support Jumbo frame, ITU-T G.8032, IEEE 802.1ad, IEEE 802.1Q, IEEE 802.1v, IEEE 802.3ac, IEEE 802.1AX, DHCP Server and Relay for IPv4 and IPv6, DHCP Option 82	Please modify the clause as below: Switch should support Jumbo frame, ITU-T G.8032 or equivalent IEEE 802.1ad, IEEE 802.1Q, IEEE 802.1v, IEEE 802.3ac, IEEE 802.1AX, DHCP Server and Relay for IPv4 and IPv6, DHCP Option 82 Justification:Request to modify the clause for wider OEM participation	Volume 2	Technical Spec.	As per RFP
721	Volume 2	148 of 236	5.14 INDUSTRIAL GRADE SWITCH Should support UDLD, Digital Diagnostic monitoring, Port and VLAN mirroring and IEEE 802.1ag or equivalent.	"Please modify the clause as below: Should support UDLD/ Digital Diagnostic monitoring, Port and VLAN mirroring Justification:Request to modify the clause for wider OEM participation	Volume 2	Technical Spec.	As per RFP
722	Volume 2	148 of 236	5.14 INDUSTRIAL GRADE SWITCH Should support UDLD or equivalent feature to prevent loops on detecting unidirectional links, Connectivity Fault Management, Monitoring Temperature, Supply voltage, Average transmit power, Average receive power and Laser bias current of the FO module, should have feature if any intrusion is detected on fiber link the particular port should be shutdown automatically.	Please modify the clause as below: "Should support UDLD or equivalent feature to prevent loops on detecting unidirectional links, Monitoring Temperature, Supply voltage, Average transmit power, Average receive power and Laser bias current of the FO module, should have feature if any intrusion/broadcast is detected on any of its links, the particular port should be shutdown automatically." Justification:Request to modify the clause for wider OEM participation	Volume 2	Technical Spec.	As per RFP
723	Volume 2	149 of 236	5.14 INDUSTRIAL GRADE SWITCH The switch should have internal/external (DIN rail mountable) AC power supply.	"Please modify the clause as below: The switch should have internal/external AC power supply. Justification:Request to modify the clause for wider OEM participation	Volume 2	Technical Spec.	As per RFP
724	Volume 2	152 of 236	5.17 24 Port Distribution Switch (Fully Loaded Non PoE) 24 port switch, 24 port RJ45 (10/100/1000) with uplink	Please clarify on the type and qty of uplink interfaces needed	Volume 2	Technical Spec.	As per RFP
725	Volume 2	152 of 236	5.17 24 Port Distribution Switch (Fully Loaded Non PoE) Switch should support VLAN, Port based VLAN, 802.1Q tag based VLAN, MAC based VLAN, Protocol based VLAN, Management VLAN, Private VLAN Edge (PVE), Q in Q (double tag) VLAN, GARP VLAN Registration Protocol (GVRP) for propagating VLAN	"Please modify the clause as below: "Switch should support VLAN, Port based VLAN, 802.1Q tag based VLAN, MAC based VLAN /Protocol based VLAN, Management VLAN, Private VLAN Edge (PVE),GARP VLAN Registration Protocol (GVRP) for propagating VLAN or any equivalent protocols. Justification: QinQ is a protocol needed in an ISP environment or Metro-E environment. However, this is not the case in this RFP. This switch would be used inside the command and control centre and hence, such protocols will never be needed. We strongly recommend to remove such unwanted protocols which will be providing an undue commercial advantage to a specific OEM and will be restrictive for other OEMs	Volume 2	Technical Spec.	As per RFP
726	Volume 2	148 of 236	5.14 INDUSTRIAL GRADE SWITCH The Switch Should be Industrial grade in nature and should have 8x10/100/1000 Base-T PoE+ ports and 4x100/1000 Base-X SFP ports and to be supplied with required module.	Request to please change this as "The Switch Should be Industrial grade in nature and should have 8x10/100/1000 Base-T PoE+ ports and 2x100/1000 Base-X SFP ports and to be supplied with required module", for wider OEM participations.	Volume 2	Technical Spec.	As per RFP

727	Volume 2	148	5.14 INDUSTRIAL GRADE SWITCH Switch Should support 16K MAC addresses and 4000 VLAN	Request to please change this as "Switch Should support 8K MAC addresses and 4000 VLAN ID", for wider OEM participations. 8K MAC is sufficient for field level connectivity.	Volume 2	Technical Spec.	As per RFP
728	Volume 2	148	5.14 INDUSTRIAL GRADE SWITCH Should support UDLD, Digital Diagnostic monitoring, Port and VLAN mirroring and IEEE 802.1ag or equivalent.	Request to please change this as "Should support UDLD, Digital Diagnostic monitoring OR equivalent, Port and VLAN mirroring", for wider OEM participations.	Volume 2	Technical Spec.	As per RFP
729	Volume 2	148	5.14 INDUSTRIAL GRADE SWITCH Should support SNMPv6, Telnetv6 and SSHv6, NTPv6, Openflow and have USB or equivalent interface for easy backup and restore.	Request to please change this as "Should support SNMPv6, Telnetv6 or and SSHv6, NTP, Openflow/REST API and have USB or equivalent interface for easy backup and restore.", for wider OEM participations.	Volume 2	Technical Spec.	As per RFP
730	Volume 2	148	5.14 INDUSTRIAL GRADE SWITCH Switch should support MAC Sec/FIPS 180-1 and IEEE 1588v2 PTP	Request to please remove this for wider OEM participations.	Volume 2	Technical Spec.	As per RFP
731	Volume 2	148	5.14 INDUSTRIAL GRADE SWITCH Operating Temperature of switch should be -40°C to 75°C	Request to please change this as "Operating Temperature of switch should be -40°C to 60°C", for wider OEM participations.	Volume 2	Technical Spec.	As per RFP
732	Volume 2	148	5.14 INDUSTRIAL GRADE SWITCH Switch should be ENS5022, ENS5024, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-8, IEC60068-2-31, IEC60068-2-27, IEC60068-2-6 and RoHS	Request to please change this as "Switch should be ENS5022, ENS5024 or equivalent or higher, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-8, IEC60068-2-31, IEC60068-2-27 IEC60068-2-6 or equivalent or higher of the mentioned all the standards and RoHS.	Volume 2	Technical Spec.	As per RFP
733	Volume 2	148	5.14 INDUSTRIAL GRADE SWITCH Should support UDLD or equivalent feature to prevent loops on detecting unidirectional links, Connectivity Fault Management, Monitoring Temperature, Supply voltage, Average transmit power, Average receive power and Laser bias current of the FO module, should have feature if any intrusion is detected on fiber link the particular port should be shutdown	Request to please change this as "Should support UDLD or equivalent feature to prevent loops on detecting unidirectional links, Monitoring Temperature, Supply voltage, Average transmit power, Average receive power, should have feature if any intrusion is detected on fiber link the particular port should be shutdown automatically".	Volume 2	Technical Spec.	As per RFP
734	Volume 2	149	5.14 INDUSTRIAL GRADE SWITCH Switch Should support 16K MAC addresses and 4000 VLAN	Request to please change this as "Switch Should support 8K MAC addresses and 4000 VLAN ID", for wider OEM participations. 8K MAC is sufficient for field level connectivity.	Volume 2	Technical Spec.	As per RFP
735	Volume 2	149	5.14 INDUSTRIAL GRADE SWITCH Switch should support Jumbo frame, ITU-T G.8032, IEEE 802.1ad, IEEE 802.1Q, IEEE 802.1v, IEEE 802.3ac, IEEE 802.1AX, DHCP Server and Relay for IPv4 and IPv6, DHCP Option 82	Request to please change this as "Switch should support Jumbo frame, ITU-T G.8032/ERPS, IEEE 802.1ad, IEEE 802.1Q, IEEE 802.1v, DHCP Server or Relay for IPv4 and IPv6, DHCP Option 82", for wider OEM participations.	Volume 2	Technical Spec.	As per RFP
736	Volume 2	149	5.14 INDUSTRIAL GRADE SWITCH Should support UDLD, Digital Diagnostic monitoring, Port and VLAN mirroring and IEEE 802.1ag or equivalent.	Request to please change this as "Should support UDLD, Digital Diagnostic monitoring OR equivalent, Port and VLAN mirroring", for wider OEM participations.	Volume 2	Technical Spec.	As per RFP
737	Volume 2	149	5.14 INDUSTRIAL GRADE SWITCH Should support SNMPv6, Telnetv6 and SSHv6, NTPv6, Openflow and have USB or equivalent interface for easy backup and restore.	Request to please change this as "Should support SNMPv6, Telnetv6 or and SSHv6, NTP, Openflow/REST API and have USB or equivalent interface for easy backup and restore.", for wider OEM participations.	Volume 2	Technical Spec.	As per RFP
738	Volume 2	149	5.14 INDUSTRIAL GRADE SWITCH Switch should support MAC Sec/FIPS 180-1 and IEEE 1588v2 PTP	Request to please remove this for wider OEM participations.	Volume 2	Technical Spec.	As per RFP
739	Volume 2	149	5.14 INDUSTRIAL GRADE SWITCH Operating Temperature of switch should be -40°C to 75°C	Request to please change this as "Operating Temperature of switch should be -40°C to 60°C", for wider OEM participations.	Volume 2	Technical Spec.	As per RFP
740	Volume 2	149	5.14 INDUSTRIAL GRADE SWITCH Should support UDLD or equivalent feature to prevent loops on detecting unidirectional links, Connectivity Fault Management, Monitoring Temperature, Supply voltage, Average transmit power, Average receive power and Laser bias current of the FO module, should have feature if any intrusion is detected on fiber link the particular port should be shutdown automatically	Request to please change this as "Should support UDLD or equivalent feature to prevent loops on detecting unidirectional links, Monitoring Temperature, Supply voltage, Average transmit power, Average receive power, should have feature if any intrusion is detected on fiber link the particular port should be shutdown automatically".	Volume 2	Technical Spec.	As per RFP
741	Volume 2	152	5.17 24 Port Distribution Switch MAC Table 8K, VLAN support 4096	Please modify as "MAC Table 8K, VLAN ID support 4094".	Volume 2	Technical Spec.	As per RFP
742	Volume 2	153	5.18 24 Port PoE Switch Shall support a minimum of 24 ports 10/100 RJ 45	Please modify as "Shall support a minimum of 24 ports 10/100/1000 RJ 45 and 4x1/10G".	Volume 2	Technical Spec.	As per RFP

743	Volume 2	153	5.18 24 Port PoE Switch Switch should support DHCP Relay, DHCP Server	Please modify as "Switch should Support DHCP Relay or DHCP Server".	Volume 2	Technical Spec.	As per RFP
744	Volume 2	155	5.20 SAN STORAGE Connectivity: Minimum 2 ports per controller to be provided for host connectivity	Please revise to "Minimum 8 ports per controller to be provided for host connectivity , 32Gbps FC ports." 2-ports is inadequate and not sufficient here.	Volume 2	Technical Spec.	Refer corrigendum
745	Volume 2	155	5.20 SAN STORAGE Snapshots: Should be able to take "snapshots" of the stored data. Offered Storage shall have support to make the snapshot in scheduled or auto snaps. Snapshot should support both block and file.	Request you to remove "File" wording as Block storage has been asked in this requirement.	Volume 2	Technical Spec.	Refer corrigendum
746	Volume 2	155	5.20 SAN STORAGE Software Licenses : All the necessary software and licenses to configure and manage the storage space, RAID configuration, logical drives allocation, snapshots, compression, de-dup, replication, auto-tiering for the configured capacity.	Please remove "Auto Tiering" as in this present case there is no tiering requirement. Single tier has been asked in the RFP.	Volume 2	Technical Spec.	Refer corrigendum
747	Volume 2	148	5.14 INDUSTRIAL GRADE SWITCH, 8 Port Switch 10. Switch should support MAC Sec/FIPS 180-1 and IEEE 1588v2 PTP	MAC Sec & FIPS 180-1 are the encryption protocol for the frame. We request to allow IEEE802.1x as well as an alternate to meet the end functionality.	Volume 2	Technical Spec.	As per RFP
748	Volume 2	79	5.6 VMD (Variable Messaging Display) Certifications: o ISO 9001:2015 o ISO14001:2015 o OHSAS18001:2007 o EN12966 o BIS	Kindly delete the clause to allow better OEM participation.	Volume 2	Technical Spec.	As per RFP
749	Volume 2	79	5.6 VMD (Variable Messaging Display) Cree /Nichia/Nationstar or Equivalent	Nichia, OSRAM and Cree are grade A manufacturers whereas Nationstar is grade C manufacturer. As LED is biggest contributor of overall cost, it doesn't provide level playing field for quality OEMs and firms importing sub-assemblies and integrating here in India. Therefore requesting to kindly delete the mentioned clause.	Volume 2	Technical Spec.	As per RFP
750	Volume 2	79	5.6 VMD (Variable Messaging Display) LED Pixel Pitch is 4mm or better.	Kindly revise the clause as below, for better OEM participation. "LED Pixel Pitch is 6mm or better"	Volume 2	Technical Spec.	As per RFP
751	Volume 2	81	5.6 VMD (Variable Messaging Display) It is provided with suitable walkway for maintenance access.	We understand that suitable walkway for maintenance in each location will be part of client scope, therefore kindly delete this clause from bidder scope.	Volume 2	Technical Spec.	As per RFP
752	Volume 2	132 of 236	Scope of Work, 5.12 VIDEOWALL Light Source LED/ LASER light source with a minimum life time of 1,00,000 hrs. in Normal Mode; Individual cube should be equipped with multiple LED/ LASER banks and each LED/ LASER bank should have an array of diodes. Single or multiple diode failure should not impact image display on the screen Individual cube should be equipped with multiple LED/ LASER diodes. Lifetime of Light source in Eco Mode: 1,00,000 Hrs. Lifetime of Light source in Normal Mode: 1,00,000 Hrs. Light source should be redundant for each of 3x LED Banks/ LASER Banks	As per RFP requirement we understand that " Individual cube should be equipped with multiple LED/ LASER banks and each LED/ LASER bank should have an array of diodes" is required. However Multiple Laser banks not acceptable due to possibility of convergence issues so kindly revise the Clause as "LED / LASER light source with a minimum life time of 1,00,000 hrs. in Normal Mode; Individual cube should be equipped with One or more laser banks, and the laser bank should have an array of diodes. Single or multiple diode failure should not impact image display on the screen.	Volume 2	Technical Spec.	As per RFP
753	Volume 2	133 of 236	Scope of Work, 5.12 VIDEOWALL Brightness on Screen Minimum 500 cd/m2 and should be adjustable for lower or even higher brightness requirements	As per RFP requirement we understand that " Brightness on Screen should be Minimum of 500 cd/m2 and should be adjustable for lower or even higher brightness requirements" is required. However it will be restricting more OEMs Participation. So Kindly revise the clause as "Minimum 350 cd/m2 and should be adjustable for lower or even higher brightness requirements".	Volume 2	Technical Spec.	As per RFP
754	Volume 2	133 of 236	Scope of Work, 5.12 VIDEOWALL Heat dissipation Less than 650 BTU I h, with noise < 20 dB(A) one module at 5m distance in front	As per RFP requirement we understand that " Heat dissipation Less than 650 BTU I h, with noise < 20 dB(A) one module at 5m distance in front" is required. However it will be restricting more OEMs Participation. So Kindly revise this clause as "Less than 1078 BTU/hr".	Volume 2	Technical Spec.	As per RFP
755	Volume 2	133 of 236	Scope of Work, 5.12 VIDEOWALL Terminal in each Cube 2x Input (DPI.2) 2x Input (HDMI2.0) 2x LAN 2x USB 1x Output (DP1.2)	As per RFP requirement we understand that " Terminal in each Cube 2x Input (DPI.2) 2x Input (HDMI2.0) 2x LAN 2x USB 1x Output (DP1.2) is required. However video wall will be controlling through video wall controller which has 2 LAN ports. So 1 LAN port in video wall is enough for the application. So Kindly revise the clause as " Inputs: 2 x HDMI, 1x DP1.2, 1x LAN Ethernet Outputs: 2x Output (DP1.2) / HDMI".	Volume 2	Technical Spec.	As per RFP
756	Volume 2	133 of 236	Scope of Work, 5.12 VIDEOWALL Power Consumption in Full Bright Power Consumption for each VDU/Rear Projection Modules should be less than 180 Watts	As per RFP requirement we understand that " Power Consumption in Full Bright Power Consumption for each VDU/Rear Projection Modules should be less than 180 Watts" is required. However it will be restricting more OEMs Participation. So Kindly revise the clause as " Power Consumption for each VDU/Rear Projection Modules should be less than 350 Watts".	Volume 2	Technical Spec.	As per RFP

757	Volume 2	134 of 236	<p>Scope of Work, 5.12 VIDEOWALL</p> <p>Cube control & Monitoring System should be AI (Artificial Intelligence) and non-AI based advance proactive with Advance Pro-active real-time Monitoring and Diagnosis of hardware over cloud for predictive failure to have maximum uptime.</p>	<p>As per RFP requirement we understand that " Cube control & Monitoring System should be AI (Artificial Intelligence) and non-AI based advance proactive with Advance Pro-active real-time Monitoring and Diagnosis of hardware over cloud for predictive failure to have maximum uptime" is required. However it will be restricting more OEMs Participation. So Kindly revise the clause as "Advance Pro-active real-time Monitoring and Diagnosis of hardware should be provided".</p>	Volume 2	Technical Spec.	As per RFP
758	Volume 2	33 of 236	<p>Scope of Work,, 4.8 Civil and Electrical works</p> <p>The SI will be required to provide electricity to the cameras through the aggregation point. Since this component has dependency on approval from local authorities, it is recommended that Bidder plans this requirement well in advance & submits the application to the concerned electricity distribution agency with requisite fees if</p>	<p>As per our understanding Customer will be providing the Stabilized Source Power for all Field Location Equipment. Kindly clarify.</p>	Volume 2	Technical Spec.	As per RFP
759	Volume 2	36 of 236	<p>Scope of Work, 4.17 Design, Supply, Installation, Testing and Commissioning of Network and Backbone Connectivity</p> <p>Network and Backbone Connectivity is an important component of the Intelligent City Surveillance System and needs attention in assessment, planning and implementation. It is important not only to ensure that the required connectivity is provisioned within the required timelines but also ensure that it is reliable, secure and supports the required SLA parameters of Latency, Jitter, Packet Loss and Performance.</p>	<p>As per our understanding in the RFP BoQ we don't find any scope for OFC. Kindly add OFC Scope requirement and OFC Line item in the RFP and Bill of Materials.</p>	Volume 2	Technical Spec.	As per RFP
760	Volume 2	37 of 236	<p>Scope of Work, 4.18 Design, Supply, Installation, Testing and Commissioning of CCC</p> <p>4.18.8 Furniture & Fixtures as specified in subsequent sections of this RFP document 4.18.9 Physical and electronic Security systems for authorized entry (Biometric access control) 4.18.10 Safety System for protection against Fire, Theft and any other</p>	<p>Kindly share the specification requirement for 4.18.8 Furniture & Fixtures as specified in subsequent sections of this RFP document 4.18.9 Physical and electronic Security systems for authorized entry (Biometric access control) 4.18.10 Safety System for protection against Fire, Theft and any other possible damage.</p>	Volume 2	Technical Spec.	As per RFP
761	Volume 2	80 of 236	<p>Scope of Work, 5.6 VMD (Variable Messaging Display)</p> <p>o LED Display Brightness is 6000 cd/m2 o System Luminance Class/Ratio: L3 as per IRC/EN 12966 standards.</p>	<p>As per our understanding LED Display Brightness is 6000 cd/m2 is the requirement. Kindly remove the Clause " System Luminance Class/Ratio: L3 as per IRC/EN 12966 standards."</p>	Volume 2	Technical Spec.	As per RFP
762	Volume 2	80 of 236	<p>Scope of Work, 5.6 VMD (Variable Messaging Display)</p> <p>Beam Width of LED Display is B6 as per IRC/EN12966 standards.</p>	<p>Kindly remove the clause " Beam Width of LED Display is B6 as per IRC/EN12966 standards."</p>	Volume 2	Technical Spec.	As per RFP
763	Volume 2	80 of 236	<p>Scope of Work, 5.6 VMD (Variable Messaging Display)</p> <p>o System Viewing Angle: 140° / 140° o System's Standard- viewing angle both horizontal and vertical is 160 degrees</p>	<p>Both the Points are conflicting Kindly clarify the Same.</p>	Volume 2	Technical Spec.	As per RFP
764	Volume 2	83 of 236	<p>Scope of Work, 5.6 VMD (Variable Messaging Display)</p> <p>o System's Viewing Distance is Suitable for readability from 150 Mtrs. or more at the character size of 240mm, from moving vehicles</p>	<p>As per RFP requirement we understand that " System's Viewing Distance is Suitable for readability from 150 Mtrs. or more at the character size of 240mm, from moving vehicles" is required. However Suitable for readability from 100mtrs with 240mm character height. Kindly revise the clause as " System's Viewing Distance is Suitable for readability from 100 Mtrs. or more at the character size of 240mm, from moving vehicles".</p>	Volume 2	Technical Spec.	As per RFP
765	Volume 2	83 of 236	<p>Scope of Work, 5.6 VMD (Variable Messaging Display)</p> <p>System use open standards and protocols to the extent possible</p>	<p>Normally VMS Communicates in NTCIP protocol will be provided.</p>	Volume 2	Technical Spec.	As per RFP
766	Volume 2	163 of 236	<p>Scope of Work, 5.29 Specifications for Passive Components</p> <p>All passive network passive components should be from the same OEM and OEM to provide 30 years performance warranty against this.</p>	<p>As per RFP Requirement we understand that OEM to provide 30 years performance warranty. However as per Industrial Standards 25 years performance warranty will be given so kindly revise the clause as " All passive network passive components should be from the same OEM and OEM to provide 25 years performance warranty".</p>	Volume 2	Technical Spec.	As per RFP
767	Volume 2	168 of 236	<p>Scope of Work, 5.30 Rack with Fire Suppression System</p> <p>With inbuilt Fire Suppression System , Optical smoke detector, Clean agent</p>	<p>As per RFP requirement we understanding that " With inbuilt Fire Suppression System , Optical smoke detector, Clean agent" is required. However Specification mentioned for 42U x 800 x 1000 Skeleton with Castor Mounting Provision only not the Smart Rack Specification. Kindly clarify the requirement whether Smart Rack is required or 42U x 800 x 1000 Skeleton with Castor Mounting Provision is required.</p>	Volume 2	Technical Spec.	As per RFP
768	Volume 2	208 of 236	<p>Scope of Work, 5.41 INTEGRATED COMMAND AND CONTROL(ICCC) ROOM INTERIOR</p> <p>1.4 The critical components of the control room i.e., designer metal ceiling, carpet/laminated flooring, modular metal wall paneling/partitions shall not emit formaldehydes, TVOC beyond permissible limits i.e. 9 µg/m³, 0.22 mg/m³ respectively. This is to ensure healthier air quality for the operators. Therefore, the control room interior shall be greenguard gold certified (Modular metal ceiling, Flooring & Modular metal wall paneling) from UL / Intertek. Valid certificate/report to be submitted along with the technical bid.</p>	<p>Kindly remove the certification "Green-guard Gold compliant" as it is restricting multiple OEM Participation.</p>	Volume 2	Technical Spec.	As per RFP

769	Volume 2	208 of 236	<p>Scope of Work, 5.41 INTEGRATED COMMAND AND CONTROL(ICCC) ROOM INTERIOR</p> <p>1.5 The metal wall Paneling and Partitions surface finish shall be made up of EN ISO 11925-2, EN 13823 certified material.</p> <p>1.7 The tile shall have 5000 holes per square feet on front side of the tile. Valid audit certificate (from UL / Intertek) to be submitted along with the technical bid.</p> <p>1.8 To provide acoustically superior environment and ensure proper attenuation of airborne sound, it is necessary that the sound transmission class (STC) value of wall paneling and partition shall be minimum 35 (According to IS: 9901 (Part III) – 1981, DIN 52210 Part IV- 1984, ISO: 16283 (Part 1) -2014, test report (from UL / Intertek) to be submitted along with the technical bid.</p> <p>1.9 Valid audit certificate (from UL / Intertek) to be submitted along with the technical bid.</p>	Kindly remove all the certification as it is restricting multiple OEM Participation.	Volume 2	Technical Spec.	As per RFP
770	Volume 2	210 of 236	<p>Scope of Work, 5.41 INTEGRATED COMMAND AND CONTROL(ICCC) ROOM INTERIOR</p> <p>1.10 Valid audit certificate (from UL / Intertek) to be submitted along with the technical bid.</p> <p>1.12 The proposed metal paneling & metal ceiling tiles shall be Class A certified/tested as per ASTM e84 (from UL / Intertek) for surface spread of flame and smoke generation. This is mandatory to ensure that the materials used in the interiors do not provoke fire. Valid certificate / report to be submitted along with the technical bid.</p> <p>1.13 The final product i.e., modular metal paneling & metal ceiling does not contain hazardous substances and we give a healthy life to our coming generations it is necessary that the modular metal paneling & metal ceiling system shall be RoHS certified/tested (from UL / Intertek). Valid certificate to be submitted along with the technical bid.</p> <p>1.14 Valid audit certificate (from UL / Intertek) to be submitted along with the technical bid.</p>	Kindly remove all the certification as it is restricting multiple OEM Participation.	Volume 2	Technical Spec.	As per RFP
771	Volume 2	210 of 236	<p>Scope of Work, 5.41 INTEGRATED COMMAND AND CONTROL(ICCC) ROOM INTERIOR</p> <p>1.15 Illumination: - Control Room illumination shall be designed as per ISO 11064 norms.</p> <p>1.16 Metal modular false ceiling shall have Noise absorption coefficient (NRC) value 0.60 according to IS:8225-1987, ISO: 354-1985 and ASTM 423-90. Test report to be submitted along with the technical bid.</p>	Kindly remove all the certification as it is restricting multiple OEM Participation.	Volume 2	Technical Spec.	As per RFP
772	Volume 2	212 of 236	<p>Scope of Work, 5.41 INTEGRATED COMMAND AND CONTROL(ICCC) ROOM INTERIOR</p> <p>1.22.1 To allow future extension and expansion, a weld-free system shall be proposed. Interconnecting joints shall not be visible. The structure shall be rigid enough to withstand BIFMA X5.5 tests. OEM shall have had BIFMA X5.5 certificate for at least seven years prior to April 1st, 2023. The structure shall allow easy assembly of hinged shutters, slat wall, gland plate, and monitor arms in extremely rigid manner. Valid certificate of BIFMA X5.5 from authorized agencies to be submitted along with technical Bid</p> <p>1.22.2 The EPD (Environmental product declaration) of Control Desk shall be verified in accordance with ISO 14025 (from UL/Intertek) for Impacts on Environment by Control Desk. Valid report/document from UL/Intertek to be submitted along with the technical bid.</p>	Kindly remove all the certification as it is restricting multiple OEM Participation.	Volume 2	Technical Spec.	As per RFP
773	Volume 2	212 of 236	<p>Scope of Work, 5.41 INTEGRATED COMMAND AND CONTROL(ICCC) ROOM INTERIOR</p> <p>1.22.3 Valid report/document from UL/Intertek to be submitted along with the technical bid.</p> <p>1.22.4 Slat Wall: - Slat wall shall be made of approximately 2mm thick extruded aluminium (aluminium alloy). The proposed Control Desk shall be UL Listed and valid certificate to be submitted along with the</p>	Kindly remove all the certification as it is restricting multiple OEM Participation.	Volume 2	Technical Spec.	As per RFP

774	Volume 2	213 of 236	Scope of Work, 5.41 INTEGRATED COMMAND AND CONTROL(ICCC) ROOM INTERIOR 1.22.6 Monitor Arm: - The Console shall feature ergonomic display mounting arms. It shall enable quick & easy replacement of VESA mounts & arm extensions as per the ergonomic. UL audit certified design feature of monitor arm assembly shall have auto lock, push & remove feature for quick release of VESA mounts and modular arm extensions for ease in maintenance and fixing of monitor by one technician within 30 seconds without using any tools. Valid UL audit certificates to be submitted along with the technical bid. 1.22.7 The proposed control desk shall be ANSI/BIFMA e3-2019 certified/tested at least for level 3 from UL/Intertek as per Furniture Sustainability Standard to identify the sustainability level of the furniture with respect to the environmental, health & wellness, and social impacts applicable to product(s). Valid certificate to be submitted along with the technical bid.	Kindly remove all the certification as it is restricting multiple OEM Participation.	Volume 2	Technical Spec.	As per RFP
775	Volume 2	213 of 236	Scope of Work, 5.41 INTEGRATED COMMAND AND CONTROL(ICCC) ROOM INTERIOR Shutters & Side Legs: - Front, and back shutters shall be of 18 mm Laminated MDF Board with premium finish. Side leg shall be of 25mm of the same finish. The proposed console shall be Greenguard Gold certified. OEM shall have had this certificate for at-least five years prior to April 1st, 2023. Valid certificate from UL/Intertek to be submitted along with the technical bid.	Kindly remove the certification "Green-guard Gold compliant" as it is restricting multiple OEM Participation.	Volume 2	Technical Spec.	As per RFP
776	Volume 2	214 of 236	Scope of Work, 5.41 INTEGRATED COMMAND AND CONTROL(ICCC) ROOM INTERIOR Cable Trays and Wiring: - The Console shall be designed with vertical and horizontal cable trays to allow for continuous cable management between the cabinets. Wire shall be routed into the cabinet through gland plate. The proposed console shall be RoHS Certified/tested from UL/Intertek and the valid certificate/ test report shall be submitted along with the technical bid.	Kindly remove all the certification as it is restricting multiple OEM Participation.	Volume 2	Technical Spec.	As per RFP
777	Volume 2	Page no 17,point no 2.	The bid document must be accompanied by the Earnest Money Deposit of Rs. 61,070,522/- (INR. Six Crore, 10 Lakhs Seventy Thousand Five Hundred Twenty Two only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in or NEFT/RTGS in case of offline payment from any Bank.	In the present market scenario submitting more than 6 Cr. Rupees towards EMD may be challenge for most of the organizations. Therefore request you Please allow BG also so that more bidders can participate in the Tender.	Volume 2	Technical Spec.	As per RFP
778	Volume 2, 5.6 VMD (Variable Messaging Display)	80 of 236	Material for VMS frame: at least 2mm aluminum or Non-corrosive, water resistant or better. Frame of the VMS is Matte black & Powder coated.	Material for VMS frame - 1.2mm is normally preferred. Please allow 1.2mm MS Frame considering the same is standard practise.. Please confirm.	Volume 2	Technical Spec.	1.2 mm is accepted.
779	Volume 2, Section 5, Point no 5.6 VMD	79	OHSAS18001:2007	OHSAS18001:2007 is not applicable now. It is replaced by ISO 45001:2018 which we will provide. Kindly make the requirement of Certification as OHSAS18001:2007 / ISO 45001:2018	Volume 2	Technical Spec.	ISO 45001:2018 is acceptable
780	Volume 2 , 5.35 Zero Day Network Threat Protection System	182 of 236	Point No 12. Solution should have inline inspection throughput of 1 Gbps for all kinds of real world traffic, scalable to 5 Gbps in a single device, optionally if required must support Active-Active in HA or Active Passive mode. Point No 43. Number of throughput should be consider: 4Gbps	It has been asked in point no 12 that solution should have inspection throughput of 1 Gbps & Point No 43 asks to consider throughput of 4 Gbps. Both the points are contradicting each other. Therefore request to provide clarity on what throughput to consider. "	Volume 2	Technical Spec.	Solution should have inspection throughput of 1 Gbps
781	Volume2_CCTV	160	5.26 Rapid Deployable System -	Evaluation should be as per Optical lens and IR Range based,	Volume 2	Technical Spec.	As per RFP
782	Volume2_CCTV	160	17. Lens Type 5.9-135.7mm, 20x motorised, Autofocus, Auto-iris, Varifocal	Every OEM use different Lens size. Please allow ±10% variation in lens dimension.	Volume 2	Technical Spec.	As per RFP
783	Volume-2 : 5.16 : 24 Port L3 Switch (fully loaded)	151	Management : Switch needs to have console port for management via a console terminal or PC Must have support SNMP v1,v2 and v3 Should support 4 groups of RMON Should have accessibility using Telnet, SSH, Console access, easier software upgrade through network using TFTP etc. Configuration management through CLI/GUI based software utility and	Change to : Should support telemetry and streaming data Configuration management through CLI/GUI	Volume 2	Technical Spec.	Refer corrigendum
784	Volume-2 : 5.20 SAN STORAGE	155	Controllers: Minimum dual controllers with symmetric active-active architecture. Each controller shall be configured with minimum 6 core or higher CPU	Change To: Controllers: Minimum dual controllers with active-active architecture. Each controller shall be configured with minimum 32 x 2Ghz CPU core or higher	Volume 2	Technical Spec.	Refer corrigendum
785	Volume-2 : 5.20 SAN STORAGE	155	Cache Memory: Should be provided with minimum 768GB Global cache or more.	Cache Memory: Should be provided with minimum 768GB cache or more.	Volume 2	Technical Spec.	Refer corrigendum

786	5.20 SAN STORAGE	155	Connectivity: Minimum 2 ports per controller to be provided for host connectivity	Connectivity: Minimum 4 x 32 Gbps FC ports per controller and 4 x 10/25 Gbps ports for SMB, NFS to be provided for host connectivity	Volume 2	Technical Spec.	Refer corrigendum
787	Volume-2 : 5.20 SAN STORAGE	155	Storage subsystem should support 10TB/14TB/18TB or higher NLSAS/SATA/equivalent 7.2K drives in the same device array.	Storage subsystem should support 10TB/12TB/14TB/18TB or higher NLSAS/SATA/equivalent 7.2K drives in the same device array.	Volume 2	Technical Spec.	Refer corrigendum
788	Volume-2 : 5.20 SAN STORAGE	155	Tiering: Should support inbuilt automated tiering feature that migrates the most frequently accessed data to the SSD/RAM. Necessary licenses for configured capacity if required without additional cost	Change To: Tiering: Should support inbuilt automated tiering feature that migrates the most frequently accessed data to the SSD, SAS Drives. Necessary licenses for configured capacity if required without additional cost	Volume 2	Technical Spec.	Refer corrigendum
789	VOL II - clause no 2.15	23	Prices quoted by the Bidder shall remain firm during the entire contract period and not subject to variation on any account.	We could not find any of the clauses with respect to variation in taxes and duties .In view of this request you to add below mentioned clause by way of corrigendum " contract price would be amended if there is any amendment of existing taxes /duties/levies or there is introduction of any new taxes /duties/ levies by any state Government or central Government or local authority "	Volume 2	Technical Spec.	As per RFP
790	General		Clarification	We understand the PRI lines shall be provided by client. Please confirm.	Volume 2	Technical Spec.	In the scope of Bidder
791	General		Clarification	Please advise if VAPT needs to be carried out only at on Prim Data center applications and same shall not be carried on DR applications.Please advise and confirm ?	Volume 2	Technical Spec.	VAPT to be carried out for all applications in the scope of this Project as per RFP.
792	General		Clarification	As per price bid BOQ only 1 nos. of Server load balancer is required. From this we understand bidder has to offer only one no. of Load balancer. Please confirm if our understanding is correct.	Volume 2	Technical Spec.	As per RFP
793	General		Clarification	Please advise what is the storage capacity required at the DR ?	Volume 2	Technical Spec.	As per RFP
794	General		Clarification	In the price bid BOQ there is a line item "Firewall with HA " 1 : 1Nos." from the description we understand bidder has to offer only 1 nos. of firewall	Volume 2	Technical Spec.	Firewall to be deployed in HA configuration
795	General		Clarification	In the price bid BOQ there is a line item "Perimeter Next Generation firewall in HA mode : 1Nos." from the description we understand bidder has to offer only 1 nos. of next gen. firewall . Please confirm if our understanding is correct.	Volume 2	Technical Spec.	Firewall to be deployed in HA configuration
796	General		Clarification	Please confirm the threat intelligence management shall be installed at the DC only. And shall not be installed at DR. Please confirm if our understanding is correct?	Volume 2	Technical Spec.	Threat intelligence to be available at DC only.
797	Volume-II, Clause No. 43. Penalties	29	43.3. Maximum Penalty applicable for any quarter shall not exceed 30% of the 'applicable fees' for the respective quarter. 43.4. Three consecutive quarterly deductions of 30 % of the applicable fee on account of any reasons shall be deemed to be an event of default and termination as per Clause 35 of this Section of RFP respectively and the consequences as provided in Clause 36 of this section of RFP shall follow.	We request you to modify this clause as follow: "43.3. Maximum Penalty applicable for any quarter shall not exceed 10% of the 'applicable fees' for the respective quarter. 43.4. Three consecutive quarterly deductions of 10% of the applicable fee on account of any reasons shall be deemed to be an event of default and termination as per Clause 35 of this Section of RFP respectively and the consequences as provided in Clause 36 of this section of RFP shall follow."	Volume 3	Penalties	Refer corrigendum
798	Volume-II, Clause No. 43. Penalties	29	43.3. Maximum Penalty applicable for any quarter shall not exceed 30% of the 'applicable fees' for the respective quarter. 43.4. Three consecutive quarterly deductions of 30 % of the applicable fee on account of any reasons shall be deemed to be an event of default and termination as per Clause 35 of this Section of RFP respectively and the consequences as provided in Clause 36 of this section of RFP shall follow.	Said Penalty clause of upto 30% is way too high than std clause of 10% capping as per previous issued RFP's of similar stature like Bareilly, Saharanpur, Delhi Safe City, Moradabad, Ahmedabad etc hence in interest of wider participation from reputed bidders, we request honourable tender committee to modify said clause as follow: Suggested Modified Clause "43.3. Maximum Penalty applicable for any quarter shall not exceed 10% of the 'applicable fees' for the respective quarter. 43.4. Three consecutive quarterly deductions of 10% of the applicable fee on account of any reasons shall be deemed to be an event of default and termination as per Clause 35 of this Section of RFP respectively and the consequences as provided in Clause 36 of this section of RFP shall follow."	Volume 3	Penalties	Refer corrigendum
799	Volume-III, 43.6.2. Network Related Performance Levels, 5	236	Mean Time To Repair (MTTR) for Fibre : Mean Time To Repair (MTTR) shall be monitored on the time taken between logging of complain against the network and its closure Measurement Tool: Reports from EMS. SI shall submit monthly reports on the performance and adherence to the SLA while the penalties shall be charged on quarterly basis. <= 8 hrs per reported fibre failure	Since Fiber cut may happen in case of accident or natural calamity. In such case, reinstallation of fiber may take time. Further, there is also uptime for network defined under Volume-III, 43.6.2., S. No. 2 and 43.6.6. Therefore, we request you delete this clause.	Volume 3	SLA criteria	As per RFP
800	Volume 3 10. Bidder's Obligations	9	10.12 All the software licenses that SI proposes should be perpetual software licenses. The software licenses shall not be restricted based on location and the Authority should have the flexibility to use the software licenses for other requirements if required. Details of submitted In case any subscription based software valid for the contract period is supplied in cyber security domain, then the details of same to be submitted	The Authority shall have the licence for this project only and the same shall be for specific location. In view of that we request the authority to amend the clause as: "10.12 All the software licenses that SI proposes should be perpetual software licenses. The software licenses shall not be restricted based on location and the Authority should have the flexibility to use the software licenses for other requirements if required. Details of submitted In case any subscription based software valid for the contract period is supplied in cyber security domain, then the details of same to be submitted "	Volume 3	Bidders Obligation	As per RFP

801	Volume 3 13. Intellectual Property Rights	15	13.4 Authority shall own and have a right in perpetuity to use all newly created Intellectual Property Rights which have been developed solely during execution of this Contract, including but not limited to all processes, products, specifications, reports and other documents which have been newly created and developed by SI solely during the performance of Services and for the purposes of inter-alia use or sub-license of such Services under this Contract. SI undertakes to disclose all such Intellectual Property Rights arising in performance of the Services to the Authority, execute all such agreements/documents and obtain all permits and approvals that may be necessary in regard to the Intellectual Property Rights of the Authority.	The Authority shall have the right in perpetuity to use newly created IPR which is developed during execution of this project for its internal use however the authority shall not sublicense the same to any other party. In view of that we request the authority to amend the clause as: "13.4 Authority shall own and have a right in perpetuity to use all newly created Intellectual Property Rights which have been developed solely during execution of this Contract, including but not limited to all processes, products, specifications, reports and other documents which have been newly created and developed by SI solely during the performance of Services for and for the purposes of inter-alia use or sub-license of such Services under this Contract. SI undertakes to disclose all such Intellectual Property Rights arising in performance of the Services to the Authority, execute all such agreements/documents and obtain all permits and approvals that may be necessary in regard to the Intellectual Property Rights of the Authority.	Volume 3	IPR	As per RFP
802	Volume 3 15 Indemnity	17	15.1. SI shall indemnify the Authority from and against any costs, loss, damages, expense, claims including those from third parties or liabilities of any kind howsoever suffered, arising or incurred inter alia during and after the Contract period out of: a. any negligence or wrongful act or omission by SI or any third party associated with SI in connection with or incidental to this Contract; or b. any infringement of patent, trademark/copyright or industrial design rights arising from the use of the supplied goods and related services or any part thereof	SI is liable for only direct losses in view of that we request the authority to amend the clause as : "15.1. SI shall indemnify the Authority from and against any direct costs, loss, damages, expense, claims including those from third parties or liabilities of any kind howsoever suffered, arising or incurred inter alia during and after the Contract period out of: a. any negligence or wrongful act or omission by SI or any third party associated with SI in connection with or incidental to this Contract; or b. any infringement of patent, trademark/copyright or industrial design rights arising from the use of the supplied goods and related services or any part thereof	Volume 3	Indemnity	Please read the clause as follows: 15.1. SI shall indemnify the Authority from and against any direct costs, loss, damages, expense, claims including those from third parties or liabilities of any kind howsoever suffered, arising or incurred inter alia during and after the Contract period out of: a. any negligence or wrongful act or omission by SI or any third party associated with SI in connection with or incidental to this Contract; or b. any infringement of patent, trademark/copyright or industrial design rights arising from the use of the supplied goods and related services or any part thereof
803	Volume 3 25. Transfer o Ownership	21	25.1 SI must transfer all titles to the assets and goods procured for the purpose of the project to the Authority at the time of Acceptance of System. This includes all licenses, titles, source code, certificates, hardware, devices, equipment's etc. related to the system designed, developed, installed and maintained by SI. SI is expected to provide source code, transfer IPR and ownership right of only those solutions which would be customized by bidder for the use of Guwahati Smart City Limited. For any pre-existing work, SI and Guwahati Smart City Limited shall be held jointly responsible and its use in any other project by SI shall be decided on mutual consent.	SI shall transfer the ownership rights of customised product and for preexisting product SI shall grant a perpetual licence to use the said product for the project. In view of that we request the authority to amend the clause as: "25.1 SI must transfer all titles to the assets and goods procured for the purpose of the project to the Authority at the time of Acceptance of System. This includes all licenses, titles, source code of customised product/software, certificates, hardware, devices, equipment's etc. related to the system designed, developed, installed and maintained by SI. SI is expected to provide source code, transfer IPR and ownership right of only those solutions which would be customized by bidder for the use of Guwahati Smart City Limited. For any pre-existing work, SI shall provide a perpetual licence to use the Preexisting work specific for the Project to and Guwahati Smart City Limited shall be held jointly responsible and its use in any other project by SI shall be decided on mutual consent."	Volume 3	Transfer of Ownership	Please read the clause as follows: 25.1 SI must transfer all titles to the assets and goods procured for the purpose of the project to the Authority at the time of Acceptance of System. This includes all licenses, titles, source code (of customised product/software), certificates, hardware, devices, equipment's etc. related to the system designed, developed, installed and maintained by SI. SI is expected to provide source code, transfer IPR and ownership right of only those solutions which would be customized by bidder for the use of Guwahati Smart City Limited. For any pre-existing work, SI and Guwahati Smart City Limited shall be held jointly responsible and its use in any other project by SI shall be decided on mutual consent.
804	Volume 3 26. Exit Management Plan	22	26.2. Exit Management plan at the minimum adhere to the following: i. Three (3) months of the support to Replacement Service Provider post termination of the Contract ii. Complete handover of the Planning documents, bill of materials, functional requirements specification, technical specifications of all equipment's, change requests if any, sources codes, wherever applicable, reports, documents and other relevant items to the Replacement Service Provider/ Authority iii. Certificate of Acceptance from authorized representative of Replacement Service Provider issued to SI on successful completion of handover and knowledge transfer	The SI shall transfer the source code of customisation only during exit management process. In view of that we request the authority to amend the clause as: "26.2. Exit Management plan at the minimum adhere to the following: i. Three (3) months of the support to Replacement Service Provider post termination of the Contract ii. Complete handover of the Planning documents, bill of materials, functional requirements specification, technical specifications of all equipment's, change requests if any, sources codes of customisation , wherever applicable, reports, documents and other relevant items to the Replacement Service Provider/ Authority iii. Certificate of Acceptance from authorized representative of Replacement Service Provider issued to SI on successful completion of handover and knowledge transfer"	Volume 3	Exit Management Plan	Please read the clause as follows: 26.2. Exit Management plan at the minimum adhere to the following: i. Three (3) months of the support to Replacement Service Provider post termination of the Contract ii. Complete handover of the Planning documents, bill of materials, functional requirements specification, technical specifications of all equipment's, change requests if any, sources codes (of customised product/software), wherever applicable, reports, documents and other relevant items to the Replacement Service Provider/ Authority iii. Certificate of Acceptance from authorized representative of Replacement Service Provider issued to SI on successful completion of handover and knowledge transfer
805	Volume 3 34. Confidentiality	25	34.5 SI shall be liable to fully recompense the Authority for any loss of revenue arising from breach of confidentiality.	Clause 35.5 contradicts the provisions of clause 29 of GCC and as per the said clause SI is not liable for any consequential losses and damages in view of that we request the authority to delete clause 34. 5 entirely.	Volume 3	Confidentiality	As per RFP
806	RFP Volume 3 MSA	Page No 16	14. Taxes	taxes should be paid on actual by the authority to the successful bidders at the time of invoicing /payment in accordance with the Indian authorities .Any increase in the taxes should be borne by the authority against the evidentiary documents /circulars submitted by the successful bidders during the contractual period as and when applicable .	Volume 3	Tax	As per RFP

807	RFP Volume 3 MSA		<p>15. Indemnity</p> <p>15.1. SI shall indemnify the Authority from and against any costs, loss, damages, expense, claims including those from third parties or liabilities of any kind howsoever suffered, arising or incurred inter alia during and after the Contract period out of:</p> <p>a. any negligence or wrongful act or omission by SI or any third party associated with SI in connection with or incidental to this Contract; or</p> <p>b. any infringement of patent, trademark/copyright or industrial design rights arising from the use of the supplied goods and related services or any part thereof</p> <p>15.2. SI shall also indemnify the Authority against any privilege, claim or assertion made by a third party with respect to right or interest in, ownership, mortgage or disposal of any asset, property etc.</p> <p>15.3. Regardless of anything contained (except for SI's liability for bodily injury and/or damage to tangible and real property for which it is legally liable and its liability for patent and copyright infringement in accordance with the terms of this Agreement) the total liability of SI, is restricted to the total value of the contract and SI is not</p>	<p>Please delete point no b) as SI does not have any IPR trademark protection authority of OEMs as SI are service providers and not a OEM . This should be made applicable for OEM only and should be included in MAF format .Secondly reference of " third party or liability of any kind " must be deleted as this is not attributable to SI/bidders as per Indian Contract Act and even your own Clause 15.3 also goes on to say the same thing that Bidders wont be liable for third party liability . More over under Clause 15.3 we request to remove/delete "damage to tangible and real property as well as patent and copyright infringement" since it is not relevant for SI as SIs are not a manufacturer hence cant indemnify the authority on behalf of OEMs/Manufacturer for these indirect liabilities which should be excused as per Indian Contract Act . We humbly request to redraft this clause to as follows : ""Neither Party, nor its subsidiaries or its affiliates will be liable to the other Party, whether in contract, tort (including negligence), strict liability or otherwise, for loss of business, revenue, profits, loss of goodwill or reputation; or indirect, consequential, or special loss, arising in connection with any order, product, service, related documentation, information and/or the intended use thereof, even if a Party has been advised, knew or should have known of the possibility of such damages. Subject to the above and not withstanding anything to the contractor elsewhere contained herein, the maximum aggregate liability of the bidder for all claims under or in relation to this agreement shall be regardless of the form of claims shall be limited to charges payable by GSCL to the successful bidder/bidders within the remaining duration of the contract term from the day the claim is received or 10% of the Total Contract Value ""</p>	Volume 3	Indemnity	As per RFP
808	RFP Volume 3 MSA	Page No 18	17. Term and Extension of the Contract	<p>Please include global supply chain issue also as force majeure events and allow terms and extension of the contract on the basis of any delays due to the delayed delivery of materials from OEMs /Partners</p>	Volume 3	Term and Extension of the Contract	As per RFP
809	RFP Volume 3 MSA	Page No 21	23.3. SI shall only procure the hardware and software after approvals from a designated Committee/Authority.	<p>Kindly delete this as the finalization of BoM should take place within 1st Milestone during the site survey which should be fixed at the very first milestone and then only Ordering takes place on OEMs . Ordering should happen basis the BoM provided in this BID or quoted by the bidders . Once the same is fixed then the ordering should happen on OEMs . OEM later on post bidding may not agree to the Pricing as quoted during the Bid Submission which becomes the huge obstacles during the implementation period .</p>	Volume 3	Delivery	As per RFP
810	RFP Volume 3 MSA	Page No 22	26.2. Exit Management plan at the minimum adhere to the following: i. Three (3) months of the support to Replacement Service Provider post termination of the Contract iii. Certificate of Acceptance from authorized representative of Replacement Service Provider issued to SI on successful completion of handover and knowledge transfer	<p>Firstly please clarify that the authority shall pay to the successful bidder at the time of Exit for these extra 3 months services . Also the acceptance of handover from the proposed new vendor should be avoided and instead the sign off should asked to be taken from GSCL .</p>	Volume 3	Exit Management Plan	As per RFP
811	RFP Volume 3 MSA	Page No 22-23	<p>28. Liquidated Damages:</p> <p>28.1. If SI fails to supply, install or maintain any or all of the goods as per the contract, within the time period(s) specified in the RFP Vol II, the Authority without prejudice to its other rights and remedies under the Contract, deduct from the Contract price, as liquidated damages, a sum equivalent to 0.1 % per week or part thereof of contract value for a milestone/quarter. (It should be of the undelivered value.)</p> <p>28.2. The deduction shall not in any case exceed 10 % of the contract value.</p>	<p>Please amend to as follows : 28.1. If SI fails to supply, install or maintain any or all of the goods as per the contract, within the time period(s) specified in the RFP Vol II, the Authority without prejudice to its other rights and remedies under the Contract, deduct from the Contract price, as liquidated damages, a sum equivalent to 0.01 % per week or part thereof of contract value for a milestone. (It should be of the undelivered value.)</p> <p>28.2. The deduction shall not in any case exceed 10 % of the Total CAPEX Value of the contract.</p>	Volume 3	Liquidated Damages	As per RFP
812	RFP Volume 3 MSA	Page No 23	<p>29. Limitation of Liability:</p> <p>Limitation of Bidder's Liability towards the Authority:</p> <p>29.1. Neither Party shall be liable to the other Party for any indirect or consequential loss or damage (including loss of revenue and profits) arising out of or relating to the Contract.</p> <p>29.2. Except in case of gross negligence or wilful misconduct on the part of SI or on the part of any person or company acting on behalf of SI in carrying out the Services, SI, with respect to damage caused by SI to Authority's property, shall not be liable to Authority:</p> <p>(i) for any indirect or consequential loss or damage; and</p> <p>(ii) for any direct loss or damage that exceeds (A) the total payments payable under the Contract to SI hereunder, or (B) the proceeds SI may be entitled to receive from any insurance maintained by SI to cover such a liability, whichever of (A) or (B) is higher.</p> <p>29.3. This limitation of liability shall not affect SI liability, if any, for damage to Third Parties</p>	<p>Please rephrase/redraft the whole clause as follows ""Neither Party, nor its subsidiaries or its affiliates will be liable to the other Party, whether in contract, tort (including negligence), strict liability or otherwise, for loss of business, revenue, profits, loss of goodwill or reputation; or indirect, consequential, or special loss, arising in connection with any order, product, service, related documentation, information and/or the intended use thereof, even if a Party has been advised, knew or should have known of the possibility of such damages. Subject to the above and not withstanding anything to the contractor elsewhere contained herein, the maximum aggregate liability of the bidder for all claims under or in relation to this agreement shall be regardless of the form of claims shall be limited to charges payable by GSCL to the successful bidder/bidders within the remaining duration of the contract term from the day the claim is received or 10% of the Total Contract Value ""</p>	Volume 3	Limitation of Liability	As per RFP

813	RFP Volume 3 MSA	Page No 26	36. Termination	Termination rights should be extended to both parties as per Indian Contract Act /Model RFP of Meity /Smart City Mission Model RFP .Please add 2 more critical sub clauses for the successful execution of the project in line with Model RFP /Contract Agreement Draft available on MIETY website/Smr City Mission portal : or may be taken as reference from other smart city agreements which are as follows : 36.6 SI may suspend the services if it is not paid within 60 days from the date of invoice submission along with Sign Off of the client . SI may resume the services when it is paid fully.	Volume 3	Termination	As per RFP
814	RFP Volume 3 MSA	Page No 27	37. Consequence of Termination 37.2. Where the termination of the Contract is prior to its stipulated term on account of a Default on the part of SI or due to the fact that the survival of SI as an independent corporate entity is threatened/has ceased, or for any other reason, whatsoever, the Authority, through unilateral re-determination of the consideration payable to SI, shall pay SI for that part of the Services which have been authorized by the Authority and satisfactorily performed by SI up to the date of termination.	Please replace "unilateral" with "mutual" and amend to as follows " 37.2. Where the termination of the Contract is prior to its stipulated term on account of a Default on the part of SI or due to the fact that the survival of SI as an independent corporate entity is threatened/has ceased, or for any other reason, whatsoever including Force Majeure events , the Authority,through mutual re-determination of the consideration payable to SI, shall pay SI for that part of the Services which have been authorized by the Authority and satisfactorily performed by SI up to the date of termination.	Volume 3	Termination	As per RFP
815	RFP Volume 3 MSA	Page No 30	43.6. Measurements & Targets 43.6.1. Implementation Phase Related Performance Levels Team mobilization and commencement of work SI is expected to mobilize project team for commencement of work. Commencement of work would mean reporting and availability of SI's resources (90% Key Personnel as per the RFP requirement) at the Authority's office for the project within defined period of 15 days and remaining 10% in next 15 days) Within 15 days of Issuance of LOI or Contract Agreement, whichever is earliest Delay beyond 7 calendar days = 0.2% of the contract value Delay beyond 8-15 calendar days = 0.5% of the contract value Delay beyond 15 days = 1% of the contract value	Please calculate the Penalty basis CAPEX VALUE OF THE CONTRACT . Also request to incorporate that any site delay from the authority's side shall very well be taken into account to arrive upon actual penalty or PENALTY shall be excluded in accordance with Clause 43.4 of Liquidity Damage for any delay not attributable to MSI/SI .Also calculate the delay from the date of Contract Signing /Site Hand Over which ever is later	Volume 3	Penalties	As per RFP
816	Volume 3: Master Service Agreement, B. SERVICE LEVELS	2.1. General, Point f, Page 29	43.3. Maximum Penalty applicable for any quarter shall not exceed 30% of the 'applicable fees' for the respective quarter.	It is requested that the following changes as shown below in green highlighted be made: 43.3. Maximum Penalty applicable for any quarter shall not exceed 30 10 % of the 'applicable fees' for the respective quarter.	Volume 3	Penalties	Refer corrigendum
817	Volume 3	30 of 48	(Team mobilization and commencement of work) Delay beyond 15 days may lead to Termination of the Contract at the discretion of the Authority	SI shall be responsible for overall delivery of the project as per scope of work within the timeline specified in RFP. So we request you to remove this penalty and termination clause for deployment of resources and allow the MSI to deploy the Resources as per Project actual requirement.	Volume 3	Penalties	As per RFP
818	Volume 3	7 of 48	(8. Approvals and Required Consents) The Authority shall extend necessary support to SI to obtain, maintain and observe all relevant and customary regulatory and governmental licenses, clearances and applicable approvals (hereinafter the "Approvals") necessary for SI to provide the Services. The costs of such Approvals shall be borne by SI. Both parties shall give each other all cooperation and information reasonably.	Both the clauses in RFP are contradicting. We understand that the charges towards RoW permission and approvals shall be paid by the client directly and bidder need not keep any provision for same in the bid. However bidder shall be responsible to do the co-ordination work for RoW permissions and approvals of the same. Hence clause 4.13 of Volume 2 shall prevail.	Volume 3	Approval and required consents	RI/ROW Permission will be in GSCL scope. SI to provide Liaisoning as required.
819	Volume 3	22 of 48	(27. Performance Security) SI shall furnish Performance Security to the Authority at the time of signing the Contract which shall be equal to 10% of the value of the Contract	We request you to change the percentage of performance guarantee as amended below: SI shall furnish Performance Security to the Authority at the time of signing the Contract which shall be equal to 10% 3% of the value of the Contract. PBG shall be submitted in two installments, 1) PBG = 3% of CAPEX to be submitted at the time of signing the contract 2) PBG = 3% of OPEX to be submitted upon project Go-live	Volume 3	Performance Security	Refer corrigendum
820	Volume 3	29 of 48	(43. Penalties) Maximum Penalty applicable for any quarter shall not exceed 30% of the 'applicable fees' for the respective quarter.	We request you to change the penalty capping to 10% of the 'applicable fees' for the respective quarter.	Volume 3	Penalties	Refer corrigendum
821	Volume 3	14 of 48	(12. Payments) Authority shall make all efforts to make payments to SI within 45 days of receipt of invoice(s) and all necessary supporting documents.	We request you to change this clause as amended below: Authority shall make all efforts to make payments to SI within 15 days of receipt of invoice(s) and all necessary supporting documents.	Volume 3	Payments	As per RFP

822	Volume 3	9 of 48	(10 Bidder's Obligations) 10.6 SI shall ensure that none of the Key Personnel (refer Section 3.6.2 of the RFP Volume I proposed) and manpower exit from the project during first 6 months of the beginning of the project. In such cases of exit, a penalty of INR 2 lakhs per such replacement shall be imposed on SI.	In case unavoidable circumstance SI may require to replace Key personnel. The same shall be replaced as per the process specified in Section 2.24.3 of the RFP Volume I. Hence, this is contradictory to the process and we recommend to remove this clause entirely.	Volume 3	Bidders obligation	To be allowed in exceptional cases with proper justification.
823	Volume 3	9 of 48	(10 Bidder's Obligations) 10.12 All the software licenses that SI proposes should be perpetual software licenses. The software licenses shall not be restricted based on location and the Authority should have the flexibility to use the software licenses for other requirements if required. Details of submitted in case any subscription based software valid for the contract period is supplied in cyber security domain, then the details of same to be submitted.	Software licenses provided by SI will be for this Project/Service. In case Authority want to use the same software for any other Projects/Purpose then they need to take separate license for the same. Hence, we recommend to revise the clause as below: " 10.2 All the software licenses that SI proposes should be perpetual software licenses. The software licenses shall not be restricted based on location and the Authority should have the flexibility to use the software licenses pertaining to this contract. Details of submitted in case any subscription based software valid for the contract period is supplied in cyber security domain, then the details of same to be submitted."	Volume 3	Bidders obligation	As per RFP
824	Volume 3	12 of 48	(10 Bidder's Obligations) 10.29.8. At any time during the course of the Contract, the Authority shall also have the right to conduct, either itself or through another agency as it may deem fit, an audit to monitor the performance by SI of its obligations/ functions in accordance with the standards committed to or required by the Authority and SI undertakes to cooperate with and provide to the Authority/ any other agency appointed by the Authority, all Documents and other details as may be required by them for this purpose. Such audit shall not include Bidder's books of accounts.	SI may have personal and confidential information pertain to its employees which will not be shared with any third Party. Hence, we recommend to revise the clause as below: "10.29.8. At any time during the course of the Contract, the Authority shall also have the right to conduct, either itself or through another agency as it may deem fit, an audit to monitor the performance by SI of its obligations/ functions in accordance with the standards committed to or required by the Authority and SI undertakes to cooperate with and provide to the Authority/ any other agency appointed by the Authority, all Documents and other details as may be required by them for this purpose. Such audit shall not include Bidder's books of accounts, internal costing, payroll, profit margin and mark up"	Volume 3	Bidders obligation	As per RFP
825	Volume 3	15 of 48	(13 Intellectual Property Rights) 13.1. Retention of Ownership except for the rights expressly granted to the Licensee under this Agreement, the Licensor shall retain all right, title and interest in and to the Licensed Technology, including all worldwide Technology and intellectual property and proprietary rights. 13.2. Preservation of Notice Licensee shall not remove, efface or obscure any copyright notices or other proprietary notices or legends from any Licensed Technology or materials provided under this Agreement, and shall reproduce all such notices and legends when incorporating Licensed Technology or materials into any Integrated Products.	Licensor and Licensee's definition is not covered under this RFP. Hence, we recommend to revise clause 13.1 and 13.2 accordingly.	Volume 3	IPR	As per RFP
826	Volume 3	17 of 48	(15 Indemnity) 15.3 Regardless of anything contained (except for SI's liability for bodily injury and/ or damage to tangible and real property for which it is legally liable and its liability for patent and copyright infringement in accordance with the terms of this Agreement) the total liability of SI, is restricted to the total value of the contract and SI is not responsible for any third party claims.	Indemnity value is too high. SI will be investing huge amount. Hence, we recommend 10% of the Total Contract value and revise clause as below: " 15.3 Regardless of anything contained (except for SI's liability for bodily injury and/ or damage to tangible and real property for which it is legally liable and its liability for patent and copyright infringement in accordance with the terms of this Agreement) the total liability of SI, is restricted to 10% of the total value of the contract and SI is not responsible for any third party claims."	Volume 3	Indemnity	As per RFP
827	Volume 3	20 of 48	(22. Force Majeure) 22.4 Force Majeure shall not apply to any obligation of the Owner to make payments to the Contractor	Force Majeure is beyond the control of the Parties. Therefore, any delay in performance shall not be consider as default. Further, any services render/provided by SI during the said event, Authority shall be liable to such payment. Henceforth, we recommend to replace 22.4 clause as follows: "In such event, Authority is obliged to pay for actual Services rendered by SI and any other reasonable expenses subject to the terms of this contract."	Volume 3	Force Majeure	As per RFP
828	Volume 3	21 of 48	(25. Transfer of Ownership) 25.1 SI must transfer all titles to the assets and goods procured for the purpose of the project to the Authority at the time of Acceptance of System. This includes all licenses, titles, source code, certificates, hardware, devices, equipment's etc. related to the system designed, developed, installed and maintained by SI. SI is expected to provide source code, transfer IPR and ownership right of only those solutions which would be customized by bidder for the use of Guwahati Smart City Limited. For any pre-existing work, SI and Guwahati Smart City Limited shall be held jointly responsible and its use in any other project by SI shall be decided on mutual consent.	Pre-existing work is not define in RFP. Further, SI is owner of its Pre-existing. Hence, we recommend to revise clause as below: "25.1 Subject to SI' Pre-existing Work, SI may transfer all titles to the assets and goods procured for the purpose of the project to the Authority at the time of Acceptance of System. This includes all licenses, titles, source code, certificates, hardware, devices, equipment's etc. related to the system designed, developed, installed and maintained by SI. SI is expected to provide source code, transfer IPR and ownership right of only those solutions which would be customized by bidder for the use of Guwahati Smart City Limited. SI may use SI's proprietary materials including without limitation any software (or any part or component thereof), tools, methodology, processes, ideas, know-how and technology that are or were developed or owned by SI prior to and/or during the course of Services performed hereunder or any improvements, enhancements, modifications or customization made thereto as part of or in the course of performing the Services hereunder ("SI's Pre-existing Work.")"	Volume 3	Transfer of Ownership	As per RFP

829	Volume 3	23 of 48	(29. Limitation of Liability) 29.2. Except in case of gross negligence or willful misconduct on the part of SI or on the part of any person or company acting on behalf of SI in carrying out the Services, SI, with respect to damage caused by SI to Authority's property, shall not be liable to Authority: (i) for any indirect or consequential loss or damage; and (ii) for any direct loss or damage that exceeds (A) the total payments payable under the Contract to SI hereunder, or (B) the proceeds SI may be entitled to receive from any insurance maintained by SI to cover such a liability, whichever of (A) or (B) is higher.	This is very high. We recommend Liability cap of 10% of the Total contract value. Hence, we recommend to replace clause as below: " 29.2. Except in case of gross negligence or willful misconduct on the part of SI or on the part of any person or company acting on behalf of SI in carrying out the Services, SI, with respect to damage caused by SI to Authority's property, shall not be liable to Authority: (i) for any indirect or consequential loss or damage; and (ii) for any direct loss or damage that exceeds 10% of the total payments payable under the Contract to SI hereunder."	Volume 3	Limitation of Liability	As per RFP
830	Volume 3	24 of 48	(31. Information Security) Clause 31.8 to be added.	Authority is responsible to ensure its has taken all necessary security measures. Hence, we recommend to add clause 31.8 as below: " 31.8 Notwithstanding anything contrary stated under this Contract, Authority hereby agrees that it has taken all technical and organizational security measures necessary to protect the information technology systems and data used in connection with the operation of the its businesses and has reasonably established, maintained, implemented and complied with, adequate information technology protection, information security, and cyber security controls, including integrity and confidentiality practices and procedures to prevent any breach, destruction, loss, unauthorized distribution, or other compromise or misuse of any information technology system or data used in connection with the operation of the its businesses. The Authority confirms that SI does not have any obligation to assess or evaluate the effectiveness of the Authority's information security system and controls and hence, shall not be held responsible in the event of any loss, damage, destruction, misuse, alteration, modification, unauthorized access, or compromise arising out of Authority's negligence, failure, or inability to implement appropriate information security controls and measures or to protect its own network. Further, if Authority requires SI to access or use Authority's or third-party systems or devices, SI shall have no responsibility for the confidentiality, security or data protection controls of such systems or devices or for their performance or compliance with Authority's requirements or applicable law.	Volume 3	Information Security	As per RFP
831	Volume 3	24 of 48	(34. Confidentiality) 34.1 SI shall not, either during the term or after expiration of this Contract, disclose any proprietary or confidential information relating to the Services/Contract and/or Authority's business/ operations, information, Application/software, hardware, business data, architecture schematics, designs, storage media and other information / documents without the prior written consent of the Authority.	Confidentiality is one sided and obligation after expiration is perpetual. Authority may also have access to confidential information of SI. Hence we recommend mutual confidentiality and the confidentiality obligation of Authority and SI will survive for a period of two (2) years from the date of receipt of any Confidential Information.	Volume 3	Confidentiality	As per RFP
832	Volume 3	26 of 48	(36. Termination) The Authority may, terminate this Contract in whole or in part by giving SI a prior and written notice indicating its intention to terminate the Contract under the following circumstances:	We recommend 45 days of prior written notice and revise clause as below: " The Authority may, terminate this Contract in whole or in part by giving SI 30 days prior and written notice indicating its intention to terminate the Contract under the following circumstances:"	Volume 3	Termination	As per RFP
833	Vol - III, 43. Penalties	29 of 48	43.3. Maximum Penalty applicable for any quarter shall not exceed 30% of the 'applicable fees' for the respective quarter.	We request to please modify the clause like other similar smart city project successfully delivered across India as under: 43.3. Maximum Penalty applicable for any quarter shall not exceed 10% of the 'applicable fees' for the respective quarter.	Volume 3	Penalties	Refer corrigendum
834	Volume - III 43.3.	29	Maximum Penalty applicable for any quarter shall not exceed 30% of the 'applicable fees' for the respective quarter	Kindly request you to amend as hereunder: Maximum Penalty applicable for any quarter shall not exceed 10% of the 'applicable fees' for the respective quarter of O&M	Volume 3	Penalties	Refer corrigendum
835	Volume -3		Additional Clause - Kindly add	"Parties shall comply with applicable anti-bribery and anti-corruption laws in performance of this Purchase Order and in all matters relating thereto."	Volume 3	Additional clause	As per RFP
836	Vol- 3		Additional Clause - Kindly add	Addition:- SANCTION CLAUSE : Owner represents, warrants, agrees that: Owner is not a "Sanctioned Person," meaning any person or entity : (i) named on the U.S. Department of the Treasury's Office of Foreign Assets Control's ("OFAC") list of "Specially Designated Nationals and Blocked Persons," "Sectoral Sanctions Identifications List" or other economic sanctions lists issued pursuant to a United States governmental authority, the European Union Common Foreign & Security Policy or other governmental authority; (ii) organized under the laws of, ordinarily resident in, or physically located in a jurisdiction that is the subject of sanctions administered by OFAC or the U.S. Department of State (each a "Sanctioned Jurisdiction" and including, at the time of writing, Cuba, Iran, North Korea, Syria, and the Crimea region); or (iii) owned or controlled, directly or indirectly, 50% or more in the aggregate by one or more Sanctioned Persons. Owner is in compliance with and will continue to comply with all economic sanction laws administered by OFAC, the U.S. Department of State, the European Union, or the United Kingdom ("Sanctions Laws"). Owner will not involve any Sanctioned Persons or group of Sanctioned Persons in any capacity, directly or indirectly, in any part of this transaction and performance under this transaction. Owner will not take any action that would cause Contractor to be in violation of Sanctions Laws. Owner will not sell, export, re-export, divert, or otherwise transfer, any Contractor products, technology, or software: (i) to any Sanctioned Persons; or (ii) for purposes prohibited by any sanctions program enacted by the U.S Government. Owner's failure to comply with this provision will be deemed a material breach of the Agreement, and Owner will notify Contractor immediately if it violates, or reasonably believes that it will violate, any terms of this provision. Owner agrees that Contractor may take any and all actions required to ensure full compliance with all sanctions laws	Volume 3	Additional clause	As per RFP

837	Vol- 3		Additional Clause - Kindly add	<p>Addition:- ECONOMIC SURCHARGE: bidder may, from time to time and in its sole discretion, issue surcharges on this Agreement in order to mitigate and/or recover increased operating costs arising from or related to, without limitation: (a) foreign currency exchange variation; (b) increased cost of third-party content, labor and materials; (c) impact of duties, tariffs, and other government actions; and (d) any other circumstances that increase bidder's costs, including, without limitation, increases in freight, labor, material or component costs, and increased costs due to inflation (collectively, "Economic Surcharges"). bidder will invoice Buyer, through a revised or separate invoice, and Buyer agrees to pay for the Economic Surcharges pursuant to the standard payment terms in this Agreement. If a dispute arises with respect to Economic Surcharges, and that dispute remains open for more than fifteen (15) days, bidder may, in its sole discretion, withhold performance and future shipments or combine any other rights and remedies as may be provided under this Agreement or permitted by law until the dispute is resolved. The terms of this section shall prevail in the event of inconsistency with any other terms in this Agreement. Any Economic Surcharges, as well as the timing, effectiveness, and method of determination thereof, will be separate from and in addition to any changes to pricing that are affected by any other provisions in this Agreement.</p>	Volume 3	Additional clause	As per RFP
838	Vol- 3	20	22.4. Force Majeure shall not apply to any obligation of the Owner to make payments to the Contractor	Contractor must be paid for the work performed/delivered irrespective of an FM event.	Volume 3	Force Majeure	As per RFP
839	Vol- 3		<p>Addition:-CONTRACTOR'S RIGHT TO TERMINATE: Contractor may terminate this Agreement by giving written notice to the Owner on the following events: failure of Owner to make payment within 30 days of invoice or the Contractor has reasonable grounds to believe that the Owner is unable to make payment, and failure to remedy the breach within 3 calendar days after receipt of written notice of non-payment from Contractor; or c. insolvency or suspension of other Party's operations or any petition filed or proceeding made by or against other Party under any state, Central or other applicable law relating to bankruptcy, arrangement, reorganization, receivership or assignment for benefit of creditors or other similar proceedings.</p>	Contractor is entitled to stop work or charge interest or any remedies available at applicable law, in case there has been delay in payment release by Owner against the agreed payment term.	Volume 3	Additional clause	As per RFP
840	VOL III -clause no 12.1	14/15	Authority shall make all efforts to make payments to SI within 45 days of receipt of invoice(s) and all necessary supporting documents.	We understand that payments shall be made within 30 days as mentioned in VOL II /clause no 3.1 /page 29 . "Due payments shall be made promptly by the Authority, generally within Thirty (30) days after submission of an invoice or request for payment by SI. Kindly confirm if our understanding is correct.	Volume 3	Payments	As per RFP
841	VOL III - Clause no 12.5	15	All payments to SI shall be made after making necessary deductions as per terms of the Contract	Request you to confirm that labour cess would not be deducted from our payments	Volume 3	Payments	As per RFP
842	43.6.7. Helpdesk SLA Helpdesk Availability	41	<p>Help desk should be available and All incidents/ events raised with the IT helpdesk should be logged into the system and service ticket. 95%-99% calls are logged, and ticket is generated: penalty of 2% of monthly O&M Charges 90%-95% calls are logged, and ticket is generated: penalty of 5% of monthly O&M Charges <90% calls are logged, and ticket is generated: penalty of 10% of monthly O&M Charges</p>	<p>Kindly request you to amend as hereunder: 95%-99% calls are logged, and ticket is generated: penalty of 1% of monthly O&M Charges 90%-95% calls are logged, and ticket is generated: penalty of 1% of monthly O&M Charges <90% calls are logged, and ticket is generated: penalty of 5% of monthly O&M Charges</p>	Volume 3	SLA criteria	As per RFP
843	43.6.7. Helpdesk SLA Helpdesk	41	<p>Help desk should be available and All incidents/ events raised with the IT helpdesk should be logged into the system and service ticket. 95%-99% calls are logged, and ticket is generated: penalty of 2% of monthly O&M Charges 90%-95% calls are logged, and ticket is generated: penalty of 5% of monthly O&M Charges <90% calls are logged, and ticket is generated: penalty of 10% of monthly O&M Charges</p>	<p>Kindly request you to amend as hereunder: 95%-99% calls are logged, and ticket is generated: penalty of 1% of monthly O&M Charges 90%-95% calls are logged, and ticket is generated: penalty of 1% of monthly O&M Charges <90% calls are logged, and ticket is generated: penalty of 5% of monthly O&M Charges</p>	Volume 3	SLA criteria	As per RFP
844	43.6.8. Data Center and DR Components' SLA Storage Availability	42	<p><99.75% to >= 99.00% Severity 6 <99% to >= 98.00% Severity 7 < 98.00% Severity 8</p>	<p>Kindly request you to amend as hereunder: <99.75% to >= 99.00% Severity 4 <99% to >= 98.00% Severity 5 < 98.00% Severity 6</p>	Volume 3	SLA criteria	As per RFP
845	43.6.8. Data Center and DR Components' SLA Server Availability	42	<p><99.75% to >= 99.00% Severity 6 <99% to >= 98.00% Severity 7 < 98.00% Severity 8</p>	<p>Kindly request you to amend as hereunder: <99.75% to >= 99.00% Severity 4 <99% to >= 98.00% Severity 5 < 98.00% Severity 6</p>	Volume 3	SLA criteria	As per RFP

846	43.6.8. Data Center and DR Components' SLA Data Center/DR Network and Security Component Availability	42	<=99.75% to >= 99.00% Severity 6 <=99% to >= 98.00% Severity 7 < 98.00% Severity 8	Kindly request you to amend as hereunder: <=99.75% to >= 99.00% Severity 4 <=99% to >= 98.00% Severity 5 < 98.00% Severity 6	Volume 3	SLA criteria	As per RFP
847	43.6.2. Network Related Performance Levels 1. Equipment Availability in 1. Core Zone - (DC, DR, ICC & Viewing Stations) 2. Aggregate Zone - (PoP Sites to DC, ICC & Viewing Stations) 3. Access Zone - (All Sensor Points and Smart City, Field Switches, to Pop Sites))	30	<=99.00% to < 99.00% Severity 6 <=98.5% to <98.00% Severity 7 < 98.5% Severity 8	Kindly request you to amend as hereunder: <=99.00% to < 99.00% Severity 4 <=98.5% to <98.00% Severity 5 < 98.5% Severity 6	Volume 3	SLA criteria	As per RFP
848	Network Availability at Access Zone, Aggregate Zone and Core Zone.		<=98.5% to < 99.00% Severity 6 <=98% to <98.5% Severity 7 < 98% Severity 8	Kindly request you to amend as hereunder: <=98.5% to < 99.00% Severity 4 <=98% to <98.5% Severity 5 < 98% Severity 6	Volume 3	SLA criteria	As per RFP
849	43.6.3. Network Related Performance Levels Average bandwidth to the user	31	Severity level 2	Kindly request you to amend as hereunder: Severity level 1	Volume 3	SLA criteria	As per RFP
850	43.6.4. City surveillance & ICT Component related performance levels A availability of Applications including: 1. Video Management 2. Video Analytics 3. GIS Application 4. Rest all applications (VMD/ECB/PA/etc)	32	>= 96% to <98% uptime measured on monthly basis Severity level 5 <96% uptime measured on monthly basis Severity level 9	Kindly request you to amend as hereunder: >= 96% to <98% uptime measured on monthly basis Severity level 2 <96% uptime measured on monthly basis Severity level 6	Volume 3	SLA criteria	As per RFP

851	43.6.4. City surveillance & ICT Component related performance levelsAvailability of other software including 1. Enterprise management System / NMS.	32	>= 93.0% to <95.0 % uptime measured on monthly basis Severity Level 4 >= 90.0% to <95.0 % uptime measured on monthly basis Severity Level 6 <90.0 % uptime measured on monthly basis Severity Level 9	Kindly request you to amend as hereunder: >= 93.0% to <95.0 % uptime measured on monthly basis Severity Level 2 >= 90.0% to <95.0 % uptime measured on monthly basis Severity Level 4 90.0 % uptime measured on monthly basis Severity Level 5	Volume 3	SLA criteria	As per RFP
852	Availability of other software including: 1. Anti-Virus	34	≥96.0% to <97.0 % up time measured on a monthly basis. Severity Level 4 ≥95.0% to <96.0 % up time measured on a monthly Severity Level 6 basis. <95.0 % up time measured on a monthly	Kindly request you to amend as hereunder: ≥96.0% to <97.0 % up time measured on a monthly basis Severity Level 2 ≥95.0% to <96.0 % up time measured on a monthly basis Severity Level 4 <95.0 % up time measured on a monthly basis Severity Level 5	Volume 3	SLA criteria	As per RFP
853	Availability of City Operation Center infrastructure including: 1. Workstations 2. Video wall	34	≥96.0% to <97.0 % up time measured on a monthly basis. Severity Level 4 ≥95.0% to <96.0 % up time measured on a monthly Severity Level 6 basis. <95.0 % up time measured on a monthly	Kindly request you to amend as hereunder: ≥96.0% to <97.0 % up time measured on a monthly basis Severity Level 2 ≥95.0% to <96.0 % up time measured on a monthly basis Severity Level 3 <95.0 % up time measured on a monthly basis. Severity Level 5	Volume 3	SLA criteria	As per RFP
854	Availability of Fixed CCC infrastructure including: 1. Dome cameras 2. Phones 3. Access control system	35	≥95.0% to <97.0 % up time measured on a monthly Severity Level 5 basis. <95.0 % up time measured on a monthly basis. Severity Level 7	Kindly request you to amend as hereunder: ≥95.0% to <97.0 % up time measured on a monthly Severity Level 2 basis. <95.0 % up time measured on a monthly basis. Severity Level 4	Volume 3	SLA criteria	As per RFP
855	Network Availability between a. Cameras installed at each pole, other smart city components and network switch b. Network switch and optical fibre c. Optical fibre to Switch at CCC ,DC and DR d. Service uptime	40	≤98.5% to >97.0% up time measured on a monthly basis Severity Level 4 ≤97.0% to >95.0% up time measured on a monthly basis Severity Level 5 ≤95.0% to >93.0% up time measured on a monthly basis Severity Level 6 <93.0% up time measured on a monthly basis Severity Level 7	Kindly request you to amend as hereunder: ≤98.5% to >97.0% uptime measured on a monthly basis Severity Level 2 >95.0% up time measured on a monthly basis Severity Level 3 ≤97.0% to >93.0% up time measured on a monthly basis Severity Level 4 ≤95.0% to >93.0% up time measured on a monthly basis Severity Level 5	Volume 3	SLA criteria	As per RFP

856	Network Quality of Service	40	≥97% and <99% throughput of minimum stipulated bandwidth during 24*7 hours Severity Level 5 <97% throughput of minimum stipulated bandwidth during 24*7 hours Severity Level 6 Average Packet loss exceeding 0.5% over a month (at Data Centre and WAN level) Severity Level 4 Latency Delay > 150 ms (every instance) (at Data	Kindly request you to amend as hereunder: ≥97% and <99% throughput of minimum stipulated bandwidth during 24*7 hours Severity Level 3 <97% throughput of minimum stipulated bandwidth during 24*7 hours Severity Level 4 Average Packet loss exceeding 0.5% over a month (at Data Centre and WAN level) Severity Level 2 Latency Delay > 150 ms (every instance) (at Data Centre and WAN level) Severity Level 2	Volume 3	SLA criteria	As per RFP
857	Volume 4, BOQ Point no 3. Variable Message Display		Material for VMS frame: at least 2mm aluminum or Non-corrosive, water resistant or better. Frame of the VMS is Matte black & Powder coated.	Material for VMS frame - 1.2mm is normally preferred. So can we consider 1.2 mm or 2mm is mandatory?	Volume 4(BOQ)		1.2 mm is accepted.
858	Volume-IV, OPEX, S, No. 13		Network Bandwidth with 5 years AMC	Please provide line item in CAPEX to quote One time Installation cost for Network Bandwidth.	Volume 4(BOQ)		As per RFP
859	Volume-4 : (BOQ) : 8.02 Command and control Infrastructure	Capex sheet	Operator Workstations Type - 1 (Processor - Intel® Xeon® W-1350 (12 MB cache, 6 cores, 12 threads, 3.30 GHz to 5.00 GHz Turbo, 32 GB Memory, 1 TB SATA HDD, NVIDIA Graphics)	Change to : Processor : Intel core i5/i7/i9 as per your requirement. Primary Storage : 1 TB SATA HDD to 1 TB SSD . Intel has discontinued W 1300 processor in entry level workstation and instead launched Intel core i Processors and presently the offered processor are Intel core i 13th Generation Processor so please change the processor to either Intel core i5/i7/i9 as per your requirement. Windows 11 requires SSD as primary storage so we request you to change the same to 1 TB SSD, Graphics card please elaborate the dedicated Memory required in graphics card.Also let us know whether Windows OS or Ubuntu OS required for wider participation from all the OEMs.	Volume 4(BOQ)		As per RFP
860	Volume-4 : (BOQ) : 8.03 Command and control Infrastructure	Capex sheet	Operator Workstations Type - 2 (Processor -Intel Core i7, 3 GHz, RAM - 16GB, Hard Disk - 1 TB)with 21" TFT LED monitor including OS, Next-Generation Anti-virus, Endpoint Security)	Change to : Processor : Intel Core i7-13700 vPro, 30 MB cache, 16 cores (8P + 8E), 2.1GHz to 5.2GHz, 65W . Primary Storage : HDD to SSD The recent launched Intel Core i7 13th gen processors has a base clock speed of 2.1 GHz and turbo 5.2 GHz so please change the description of i7 processor as 13th Generation Intel Core i7-13700 vPro, 30 MB cache, 16 cores (8P + 8E), 2.1GHz to 5.2GHz, 65W. Please change HDD to SSD as with windows 11 primary drive should be SSD and it cannot be configured with SATA HDD. Also let us know whether Windows OS or Ubuntu OS required for wider participation from all the OEMs.	Volume 4(BOQ)		As per RFP
861	Volume-4 : (BOQ) : 8.04 Command and control Infrastructure	Capex sheet	Operator Workstation dedicated for Public Address and ECB System (Processor -Intel Core i7, 3 GHz, RAM - 16GB, Hard Disk - 1 TB)with 21" TFT LED monitor including OS, Next-Generation Anti-virus, Endpoint Security)	Change to : Processor : Intel Core i7-13700 vPro, 30 MB cache, 16 cores (8P + 8E), 2.1GHz to 5.2GHz, 65W . Primary Storage : HDD to SSD The recent launched Intel Core i7 13th gen processors has a base clock speed of 2.1 GHz and turbo 5.2 GHz so please change the description of i7 processor as 13th Generation Intel Core i7-13700 vPro, 30 MB cache, 16 cores (8P + 8E), 2.1GHz to 5.2GHz, 65W. Please change HDD to SSD as with windows 11 primary drive should be SSD and it cannot be configured with SATA HDD. Also let us know whether Windows OS or Ubuntu OS required for wider participation from all the OEMs.	Volume 4(BOQ)		As per RFP
862	Volume-4 : (BOQ) : 9.02 Viewing Center Command and control Infrastructure	Capex sheet	Operator Workstations Type - 2 (Processor -Intel Core i7, 3 GHz, RAM - 16GB, Hard Disk - 1 TB)with 21" TFT LED monitor including OS, Next-Generation Anti-virus, Endpoint Security)	Change to : Processor : Intel Core i7-13700 vPro, 30 MB cache, 16 cores (8P + 8E), 2.1GHz to 5.2GHz, 65W . Primary Storage : HDD to SSD The recent launched Intel Core i7 13th gen processors has a base clock speed of 2.1 GHz and turbo 5.2 GHz so please change the description of i7 processor as 13th Generation Intel Core i7-13700 vPro, 30 MB cache, 16 cores (8P + 8E), 2.1GHz to 5.2GHz, 65W. Please change HDD to SSD as with windows 11 primary drive should be SSD and it cannot be configured with SATA HDD. Also let us know whether Windows OS or Ubuntu OS required for wider participation from all the OEMs.	Volume 4(BOQ)		As per RFP
863	BOQ File; SI # 6.04		8 Port Switch at Rapid Deployable Viewing Center	Please confirm whether the Technical Specification, as published in Volume-II, Clause 5.14 for Industrial Grade Switch (Page 148 of 236) is to be referred for this BoQ Line Item	Volume 4(BOQ)		The Technical Specification, as published in Volume-II, Clause 5.14 for Industrial Grade Switch (Page 148 of 236) is to be referred for 8 Port Network Switches wherever applicable.
864	BOQ File; SI # 9.03		8 Port Switch at Viewing Center		Volume 4(BOQ)		The Technical Specification, as published in Volume-II, Clause 5.14 for Industrial Grade Switch (Page 148 of 236) is to be referred for 8 Port Network Switches wherever applicable.

865	Volume-4 : (BOQ) : 8.02 Command and control Infrastructure	Capex sheet	Operator Workstations Type - 1 (Processor - Intel® Xeon® W-1350 (12 MB cache, 6 cores, 12 threads, 3.30 GHz to 5.00 GHz Turbo, 32 GB Memory, 1 TB SATA HDD, NVIDIA Graphics)	Change to : Processor : Intel core i5/i7/i9 as per your requirement. Primary Storage : 1 TB SATA HDD to 1 TB SSD . Intel has discontinued W 1300 processor in entry level workstation and instead launched Intel core i Processors and presently the offered processor are Intel core i 13th Generation Processor so please change the processor to either Intel core i5/i7/i9 as per your requirement. Windows 11 requires SSD as primary storage so we request you to change the same to 1 TB SSD, Graphics card please elaborate the dedicated Memory required in graphics card,Also let us know whether Windows OS or Ubuntu OS required for wider participation from all the OEMs.	Volume 4(BOQ)	As per RFP
866	Volume-4 : (BOQ) : 8.03 Command and control Infrastructure	Capex sheet	Operator Workstations Type - 2 (Processor -Intel Core i7, 3 GHz, RAM - 16GB, Hard Disk - 1 TB)with 21" TFT LED monitor including OS, Next-Generation Anti-virus, Endpoint Security)	Change to : Processor : Intel Core i7-13700 vPro, 30 MB cache, 16 cores (8P + 8E), 2.1GHz to 5.2GHz, 65W . Primary Storage : HDD to SSD The recent launched Intel Core i7 13th gen processors has a base clock speed of 2.1 GHz and turbo 5.2 GHz so please change the description of i7 processor as 13th Generation Intel Core i7-13700 vPro, 30 MB cache, 16 cores (8P + 8E), 2.1GHz to 5.2GHz, 65W. Please change HDD to SSD as with windows 11 primary drive should be SSD and it cannot be configured with SATA HDD. Also let us know whether Windows OS or Ubuntu OS required for wider participation from all the OEMs.	Volume 4(BOQ)	As per RFP
867	Volume-4 : (BOQ) : 8.04 Command and control Infrastructure	Capex sheet	Operator Workstation dedicated for Public Address and ECB System (Processor -Intel Core i7, 3 GHz, RAM - 16GB, Hard Disk - 1 TB)with 21" TFT LED monitor including OS, Next-Generation Anti-virus, Endpoint Security)	Change to : Processor : Intel Core i7-13700 vPro, 30 MB cache, 16 cores (8P + 8E), 2.1GHz to 5.2GHz, 65W . Primary Storage : HDD to SSD The recent launched Intel Core i7 13th gen processors has a base clock speed of 2.1 GHz and turbo 5.2 GHz so please change the description of i7 processor as 13th Generation Intel Core i7-13700 vPro, 30 MB cache, 16 cores (8P + 8E), 2.1GHz to 5.2GHz, 65W. Please change HDD to SSD as with windows 11 primary drive should be SSD and it cannot be configured with SATA HDD. Also let us know whether Windows OS or Ubuntu OS required for wider participation from all the OEMs.	Volume 4(BOQ)	As per RFP
868	Volume-4 : (BOQ) : 9.02 Viewing Center Command and control Infrastructure	Capex sheet	Operator Workstations Type - 2 (Processor -Intel Core i7, 3 GHz, RAM - 16GB, Hard Disk - 1 TB)with 21" TFT LED monitor including OS, Next-Generation Anti-virus, Endpoint Security)	Change to : Processor : Intel Core i7-13700 vPro, 30 MB cache, 16 cores (8P + 8E), 2.1GHz to 5.2GHz, 65W . Primary Storage : HDD to SSD The recent launched Intel Core i7 13th gen processors has a base clock speed of 2.1 GHz and turbo 5.2 GHz so please change the description of i7 processor as 13th Generation Intel Core i7-13700 vPro, 30 MB cache, 16 cores (8P + 8E), 2.1GHz to 5.2GHz, 65W. Please change HDD to SSD as with windows 11 primary drive should be SSD and it cannot be configured with SATA HDD. Also let us know whether Windows OS or Ubuntu OS required for wider participation from all the OEMs.	Volume 4(BOQ)	As per RFP
869	Volume 4 (BOQ)	Capex sheet	(BOQ) : 9.01 Viewing Center Command and control Infrastructure LED Display 55 " with accessories (HDMI, power cable etc.) and wall/desk mounting arrangement	Technical Specifications for Resolution are Not mentioned in the RFP . Justification:Request you to Please help with the resolution required for 55" display.	Volume 4(BOQ)	As per RFP