

**RFP for Selection of Implementing Agency for Integrated Command Control Centre (ICCC) in Surat**  
**[RFP No.: SSCDL-ICCC-RFP-01-2020]**



## Pre-Bid Clarifications

#	RFP Section	RFP Page No.	Category	Sub-Category	Content in the RFP Requiring Clarification	Clarification Sought	Clarification by SSCDL
1.	2	9	Notice Inviting Bid	Timeline	Online price bid end date - 25th September 2020	Request you to extend the bid submission by at least 3 weeks till 16th October 2020. This will allow players to participate and submit technologically thorough and financially competitive bid.	Please refer to the Addendum & Corrigendum 2
2.	2	9	Notice Inviting Bid	EMD	EMD Amount: The bidder should pay EMD of Rs. 25, 00,000 (Rupees Twenty five lakhs only) whereby 50% amount shall be in the form of Demand Draft / Banker's Cheque in favour of "Surat Smart City Development Limited", from Nationalized or Scheduled bank and 50 % amount shall be in the form of Bank guarantee (BG) of any nationalized / scheduled banks with validity of 180 days from the date of Bid opening	Request you to accept 100% amount in the form of BG.	No Change. RFP term prevails
3.	2	9	Notice Inviting Bid	EMD	EMD Amount : 25,00,000/-	Government of India has come with lot many relief plans to support MSME. Request you to kindly give exemption for MSME /NSIC registered bidderto support them.	No Change. RFP term prevails
4.	2	9	Notice Inviting Bid	EMD	EMD Amount • The bidder should pay EMD of Rs. 25, 00,000 (Rupees Twenty five lakhs only) whereby 50% amount shall be in the form of Demand Draft / Banker's Cheque in favour of "Surat Smart City Development Limited", from Nationalized or Scheduled bank and 50 % amount shall be in the form of Bank guarantee (BG) of any nationalized / scheduled banks with validity of 180 days from the date of Bid opening	Requesting SSCDL to allow EMD exemption to MSME companies, which will encourage MSME participation.	No Change. RFP term prevails
5.	2	9	Notice Inviting Bid	EMD	EMD Amount • The bidder should pay EMD of Rs. 25, 00,000	As 100% of the EMD submission through Bank Guarantee is normally accepted by the	No Change. RFP term prevails

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					(Rupees Twenty five lakhs only) whereby 50% amount shall be in the form of Demand Draft / Banker's Cheque in favour of "Surat Smart City Development Limited", from Nationalized or Scheduled bank and 50 % amount shall be in the form of Bank guarantee (BG) of any nationalized / scheduled banks with validity of 180 days from the date of Bid opening	smart city authorities across India, we request SSCDL to accept complete EMD in the form of Bank Guarantee.	
6.	4.3	19	Scope of Services for the Project	Surat Network Schematic Diagram	Surat Network Schematic Diagram The below diagram illustrate the network diagram for ICCC. All items including interconnects in orange colour are under scope of selected bidder under this RFP, the selected bidder will have to co-ordinate and integrate with all item in black colour. Selected bidder will be solely responsible for successful integration of all components.	ICCC is in same premises. How many floor bldg & Total Area? Please let us know the Approx. distance for interconnects components which marks in Orange color .	Please refer to the Building drawings which has been uploaded with the RFP for required information
7.	4.4	20	Scope of Services for the Project	Responsibility Matrix	Development of test cases (Unit, System Integration and User Acceptance) Successful Bidder - R/A, SMC/ SSCDL-C, Existing ICT Vendors at SMC/ SSCDL - I	Please amend SMC/SSCDL/existing vendors as "Responsible" for providing the data/access to subsystem else clarify how to address incase the system does not share data.We request support for SSCDL support in ensuring all relevant data and systems are available for faster delivery	No Change. RFP term prevails
8.	5.1	20	Bidder's Eligibility Criteria	Company Registration	The Prime Bidder / Sole Bidder should be registered under the Companies Act 1956 and should be in operation in India for a period of at least 5 years as on publication of bid. In case of Consortium, the Consortium Partner should be registered under the Companies Act 1956 Or a partnership firm registered under LLP Act, 2008 or partnership firm registered under Indian Partnership Act 1932	We request authority to relook on this criteria which is allowing partnership firm registered under Indian Partnership Act 1932.	No Change. RFP term prevails

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9.	5.1	21	Bidder's Eligibility Criteria	Consortium	In the case of Consortium, only 2 partners are allowed including Prime Bidder. For more details on Consortium please refer to section 6.6	We request authority to allow 3 Consortium partners including Prime bidder.  The reason to increase the consortium partner is to involve the organization specific to their expertise.	No Change. RFP term prevails
10.	5.1	22	Bidder's Eligibility Criteria	Data Center Experience	Point-5 Sole Bidder / Bidder (Any member in case of Consortium as per R&R defined in Consortium Agreement) should have completed at least one project pertaining to setting up of Datacenter / Data Center Infrastructure in last 7 years as on Bid Submission date of value not less than INR 3 Crore in India.	<b>Request you to kindly accept alternate experience as follow, so that maximum bidders can participate and SSCDL get Best competitive Bids</b>  Sole Bidder / Bidder (Any member in case of Consortium as per R&R defined in Consortium Agreement) should have completed at least one project pertaining to setting up of CCTV server storage solution with network infrastructure / Datacenter / Data Center Infrastructure in last 7 years as on Bid Submission date of value not less than INR 3 Crore in India.	No Change. RFP term prevails
11.	5.1	22	Bidder's Eligibility Criteria	Data Center Experience	Sole Bidder / Bidder (Any member in case of Consortium as per R&R defined in Consortium Agreement) should have completed at least one project pertaining to setting up of Datacenter / Data Center Infrastructure in last 7 years as on Bid Submission date of value not less than INR 3 Crore in India.  <b>Proof Document Required :</b> 1. Copy of completion certificate issued by client 2. Copy of Work order / Contract	Kindly amend the clause as : Sole Bidder / Bidder (Any member in case of Consortium as per R&R defined in Consortium Agreement) should have completed at least one project pertaining to setting up of Datacenter / Data Center Infrastructure in last 8 years as on Bid Submission date of value not less than INR 3 Crore in India.  Proof Document Required : 1. Copy of completion certificate / Work order / Contract	No Change. RFP term prevails

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12.	5.1	22	Bidder's Eligibility Criteria	Data Center Experience	<p>Sole Bidder / Bidder (Any member in case of Consortium as per R&amp;R defined in Consortium Agreement) should have completed at least one project pertaining to setting up of Datacenter / Data Center Infrastructure in last 7 years as on Bid Submission date of value not less than INR 3 Crore in India.</p> <p><b>Note:</b> In-house projects for own or group companies shall not be considered for above criteria. Data Center Infrastructure cost should be excluding software license cost.</p>	<p>Kindly relax the criteria as below for wide participation:</p> <p>Sole Bidder / Bidder (Any member in case of Consortium as per R&amp;R defined in Consortium Agreement) should have completed at least one project pertaining to setting up of Datacenter / Data Center Infrastructure in last 7 years as on Bid Submission date of value not less than INR 1 Crore in India/Global.</p> <p><b>Note:</b> In-house projects for own or group companies shall not be considered for above criteria. <del>Data Center Infrastructure cost should be excluding software license cost.</del></p>	No Change. RFP term prevails
13.	5.1	22	Bidder's Eligibility Criteria	Data Center Experience	<p>Sole Bidder / Bidder (Any member in case of Consortium as per R&amp;R defined in Consortium Agreement) should have completed at least one project pertaining to setting up of Datacenter / Data Center Infrastructure in last 7 years as on Bid Submission date of value not less than INR 3 Crore in India.</p> <p><b>Note:</b> In-house projects for own or group companies shall not be considered for above criteria. Data Center Infrastructure cost should be excluding software license cost.</p>	<p>We request to kindly revise the clause as below to remove the conditions " as per R&amp;R defined in Consortium Agreement".</p> <p>Sole Bidder / Bidder (Any member in case of Consortium <del>as per R&amp;R defined in Consortium Agreement</del>) should have completed at least one project pertaining to setting up of Datacenter / Data Center Infrastructure in last 7 years as on Bid Submission date of value not less than INR 3 Crore in India.</p> <p><b>Note:</b> In-house projects for own or group companies shall not be considered for above criteria. Data Center Infrastructure cost should be excluding software license cost.</p>	No Change. RFP term prevails

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14.	5.1	22	Bidder's Eligibility Criteria	Data Center Experience	<p>Sole Bidder / Bidder (Any member in case of Consortium as per R&amp;R defined in Consortium Agreement) should have completed at least one project pertaining to setting up of Datacenter / Data Center Infrastructure in last 7 years as on Bid Submission date of value not less than INR 3 Crore in India.</p> <p>Note: In-house projects for own or group companies shall not be considered for above criteria. Data Center Infrastructure cost should be excluding software license cost.</p>	<p>In case of consortium, Request you to kindly allow cumulative work experience of either lead bidder or consortium partner for asked criteria. As limiting it to only one partner as per R&amp;R of the consortium restrict to marks for experience claimed by other member of the consortium. Hence request you to kindly revise the criteria as following :</p> <p>" Sole Bidder / Bidder (Any member in case of Consortium) should have completed at least one project pertaining to setting up of Datacenter / Data Center Infrastructure in last 7 years as on Bid Submission date of value not less than INR 3 Crore in India. Note: In-house projects for own or group companies shall not be considered for above criteria. Data Center Infrastructure cost should be excluding software license cost."</p>	No Change. RFP term prevails
15.	5.1	22	Bidder's Eligibility Criteria	ICCC Experience	<p>Sole Bidder / Bidder (Any member in case of Consortium as per R&amp;R defined in Consortium Agreement) should have an experience in implementation of Integrated Command &amp; Control Centre (ICCC) / Command Control Center (CCC) in India in last 7 years from the date of publishing this RFP</p> <p>One project costing not less than the amount equal to INR 20 Cr. with ICCC application solution component worth minimum INR 2.5 Cr.</p> <p>OR</p> <p>Two projects costing not less than the amount equal to INR 12 Cr. each with ICCC application solution component worth minimum INR 1.5 Cr.</p>	<p>We request to kindly revise the clause as below to remove the conditions " as per R&amp;R defined in Consortium Agreement".</p> <p>Sole Bidder / Bidder (Any member in case of Consortium <del>as per R&amp;R defined in Consortium Agreement</del>) should have an experience in implementation of Integrated Command &amp; Control Centre (ICCC) / Command Control Center (CCC) in India in last 7 years from the date of publishing this RFP</p> <p>One project costing not less than the amount equal to INR 20 Cr. with ICCC application solution component worth</p>	No Change. RFP term prevails

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					<p>OR</p> <p>Three projects costing not less than the amount equal to INR 10 Cr. each with ICCC application solution component worth minimum INR 1.25 Cr.</p> <p>Note: ICCC Application cost component shall include:</p> <ol style="list-style-type: none"> <li>1. Licenses cost for ICCC Applications</li> <li>2. SITC cost</li> <li>3. Integration cost</li> <li>4. Operation &amp; Maintenance cost</li> </ol>	<p>minimum INR 2.5 Cr.</p> <p>OR</p> <p>Two projects costing not less than the amount equal to INR 12 Cr. each with ICCC application solution component worth minimum INR 1.5 Cr.</p> <p>OR</p> <p>Three projects costing not less than the amount equal to INR 10 Cr. each with ICCC application solution component worth minimum INR 1.25 Cr.</p> <p>Note: ICCC Application cost component shall include:</p> <ol style="list-style-type: none"> <li>1. Licenses cost for ICCC Applications</li> <li>2. SITC cost</li> <li>3. Integration cost</li> <li>4. Operation &amp; Maintenance cost</li> </ol>	
16.	5.1	22	Bidder's Eligibility Criteria	ICCC Experience	<p>Point -4</p> <p>Sole Bidder / Bidder (Any member in case of Consortium as per R&amp;R defined in Consortium Agreement) should have an experience in implementation of Integrated Command &amp; Control Centre (ICCC) / Command Control Center (CCC) in India in last 7 years from the date of publishing this RFP</p>	<p><b>Request you to kindly accept alternate experience as follow, so that maximum bidders can participate and SSCDL get Best competitive Bids</b></p> <p>The Bidder (Sole / Lead Bidder / Consortium Partners) should have Prior Project Experience in implementing at least one solution for any Government / Public Sector in the last 7 years in India.</p> <ul style="list-style-type: none"> <li>● Command &amp; Control Centre (ICCC) / Command Control Center (CCC)</li> <li>● Centralised monitoring of IoT devices (Cameras, Sensors) across City / State</li> <li>● Surveillance Camera Solution</li> <li>● Cloud based Solution</li> <li>● E-Governance Solution</li> </ul>	No Change. RFP term prevails

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17.	5.1	22	Bidder's Eligibility Criteria	ICCC Experience	<p>Sole Bidder / Bidder (Any member in case of Consortium as per R&amp;R defined in Consortium Agreement) should have an experience in implementation of Integrated Command &amp; Control Centre (ICCC) / Command Control Center (CCC) in India in last 7 years from the date of publishing this RFP One project costing not less than the amount equal to INR 20 Cr. with ICCC application solution component worth minimum INR 2.5 Cr.</p> <p>OR</p> <p>Two projects costing not less than the amount equal to INR 12 Cr. each with ICCC application solution component worth minimum INR 1.5 Cr.</p> <p>OR</p> <p>Three projects costing not less than the amount equal to INR 10 Cr. each with ICCC application solution component worth minimum INR 1.25 Cr.</p> <p>Note: ICCC Application cost component shall include:</p> <ol style="list-style-type: none"> <li>1. Licenses cost for ICCC Applications</li> <li>2. SITC cost</li> <li>3. Integration cost</li> <li>4. Operation &amp; Maintenance cost</li> </ol>	<p>In case of consortium, Request you to kindly allow cumulative work experience of either lead bidder or consortium partner for asked criteria. As limiting it to only one partner as per R&amp;R of the consortium restrict to marks for experience claimed by other member of the consortium. Hence request you to kindly revise the criteria as following :</p> <p>" Sole Bidder / Bidder (Any member in case of Consortium) should have an experience in implementation of Integrated Command &amp; Control Centre (ICCC) / Command Control Center (CCC) in India in last 7 years from the date of publishing this RFP One project costing not less than the amount equal to INR 20 Cr. with ICCC application solution component worth minimum INR 2.5 Cr.</p> <p>OR</p> <p>Two projects costing not less than the amount equal to INR 12 Cr. each with ICCC application solution component worth minimum INR 1.5 Cr.</p> <p>OR</p> <p>Three projects costing not less than the amount equal to INR 10 Cr. each with ICCC application solution component worth minimum INR 1.25 Cr.</p> <p>Note: ICCC Application cost component shall include:</p> <ol style="list-style-type: none"> <li>1. Licenses cost for ICCC Applications</li> <li>2. SITC cost</li> <li>3. Integration cost</li> <li>4. Operation &amp; Maintenance cost</li> </ol>	No Change. RFP term prevails

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18.	5.1	22	Bidder's Eligibility Criteria	ICCC Experience	<p>Sole Bidder / Bidder (Any member in case of Consortium as per R&amp;R defined in Consortium Agreement) should have an experience in implementation of Integrated Command &amp; Control Centre (ICCC) / Command Control Center (CCC) in India in last 7 years from the date of publishing this RFP</p> <p>One project costing not less than the amount equal to INR 20 Cr. with ICCC application solution component worth minimum INR 2.5 Cr.</p> <p>Note: ICCC Application cost component shall include:</p> <ol style="list-style-type: none"> <li>1. Licenses cost for ICCC Applications</li> <li>2. SITC cost</li> <li>3. Integration cost</li> <li>4. Operation &amp; Maintenance cost</li> </ol> <p><b>Proof Document Required :</b></p> <ul style="list-style-type: none"> <li>• Copy of completion certificate issued by client</li> <li>• In case of an ongoing project, the project must have achieved the respective value in terms of entire project cost and ICCC application &amp; Video Wall Solution component respectively from financial perspective. The Certificate to this effect from the client on client's letter head to be provided.</li> <li>• Copy of Work order /Contract</li> <li>• PQ_12: Format for Use Case Submission from OEM</li> </ul>	<p>Kindly amend the clause as :</p> <p>Sole Bidder / Bidder (Any member in case of Consortium as per R&amp;R defined in Consortium Agreement) should have an experience in implementation of Integrated Command &amp; Control Centre (ICCC) / Command Control Center (CCC) in India in last 7 years from the date of publishing this RFP</p> <p>One project costing not less than the amount equal to INR 5 Cr.</p> <p><b>Proof Document Required :</b> Copy of Work order /Contract /completion certificate</p>	No Change. RFP term prevails
19.	5.1	22	Bidder's Eligibility Criteria	ICCC Experience	<p>Sole Bidder / Bidder (Any member in case of Consortium as per R&amp;R defined in Consortium Agreement) should have an experience in implementation of Integrated Command &amp; Control Centre (ICCC) / Command Control Center (CCC) in India in last 7 years from the date of publishing this RFP</p> <p>One project costing not less than the amount equal</p>	<p>Since ICCC application software may not be always a part of Command Control Centre project, kindly remove the specific requirement of "ICCC application solution component" from this clause.</p> <p>Majority of the smart city tenders for ICCC doesn't mandate the ICCC application component cost as a bidder eligibility criteria, instead the bidder's overall</p>	No Change. RFP term prevails



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					<p>to INR 20 Cr. with ICCC application solution component worth minimum INR 2.5 Cr. OR Two projects costing not less than the amount equal to INR 12 Cr. each with ICCC application solution component worth minimum INR 1.5 Cr. OR Three projects costing not less than the amount equal to INR 10 Cr. each with ICCC application solution component worth minimum INR 1.25 Cr.</p> <p>Note: ICCC Application cost component shall include: 1. Licenses cost for ICCC Applications 2. SITC cost 3. Integration cost 4. Operation &amp; Maintenance cost</p>	<p>experience in ICCC/CCC is considered as evaluation parameter.</p> <p><b><u>Kindly amend the criteria as below and remove the notes in the clause:</u></b></p> <p>Sole Bidder / Bidder (Any member in case of Consortium as per R&amp;R defined in Consortium Agreement) should have an experience in implementation of Integrated Command &amp; Control Centre (ICCC) / Command Control Center (CCC) in India/Global in last 7 years from the date of publishing this RFP.</p> <p>One project costing not less than the amount equal to INR 20 Cr. with ICCC/CCC component worth minimum INR 2.5 Cr. OR Two projects costing not less than the amount equal to INR 12 Cr. each with ICCC/CCC component worth minimum INR 1.5 Cr. OR Three projects costing not less than the amount equal to INR 10 Cr. each with ICCC/CCC component worth minimum INR 1.25 Cr.</p> <p><del>Note: ICCC Application cost component shall include: 1. Licenses cost for ICCC Applications 2. SITC cost 3. Integration cost 4. Operation &amp; Maintenance cost</del></p>	

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20.	5.1	22	Bidder's Eligibility Criteria	ICCC Experience	<p>"Sole Bidder / Bidder (Any member in case of Consortium as per R&amp;R defined in Consortium Agreement) should have an experience in implementation of Integrated Command &amp; Control Centre (ICCC) / Command Control Center (CCC) in India in last 7 years from the date of publishing this RFP One project costing not less than the amount equal to INR 20 Cr. with ICCC application solution component worth minimum INR 2.5 Cr.</p> <p>"OR</p> <p>Two projects costing not less than the amount equal to INR 12 Cr. each with ICCC application solution component worth minimum INR 1.5 Cr.</p> <p>OR</p> <p>Three projects costing not less than the amount equal to INR 10 Cr. each with ICCC application solution component worth minimum INR 1.25 Cr.</p> <p>Note: ICCC Application cost component shall include:</p> <ol style="list-style-type: none"> <li>1. Licenses cost for ICCC Applications</li> <li>2. SITC cost</li> <li>3. Integration cost</li> <li>4. Operation &amp; Maintenance cost" </li></ol>	<p>We understand that the department is considering the Ongoing projects experience for the project executed with ICCC application. The project shall contain CAPEX and OPEX separately. If the project value is of 25 Crore, bidder shall receive only 15 – 17 Crore as initially when the project is Go-Live. Balance payment shall be billed on quarterly only for the period of 5-7 years. As per the clause, the project shall be considered only if the project is executed in last 7 years.</p> <p>Hence, we request the department to consider the project which shall be Go-Live and the project value of more than 20 Crore. Please consider the documentary evidence as,</p> <p><b>. Copy of completion certificate/ Go-Live issued by client</b></p> <p><b>. In case of an ongoing project of project value more than 20 crore, ICCC application &amp; Video Wall Solution component shall be executed</b></p> <p><b>The Certificate to this effect from the client on client's letter head to be provided.</b></p> <p>. Copy of Work order / Contract.</p> <p><b>Please clarify will the project be considered if the project is Go-Live with the project value of more than 20 Crore and executed in last seven years.</b></p>	<p>Please refer to the section 5.1, point no 4 under "Proof Documents Required". It clarifies as below:</p> <p>"In case of an ongoing project, the project must have achieved the respective value in terms of entire project cost and ICCC application &amp; Video Wall Solution component respectively from financial perspective. The Certificate to this effect from the client on client's letter head to be provided"</p> <p>If Go-Live certificate is to be submitted, the same must clearly specify the information that help ascertain the compliance to the respective evaluation criteria in terms of domains integrated / value in terms of entire project cost and ICCC application Solution component respectively from financial perspective.</p>
21.	5.1	22	Bidder's Eligibility Criteria	ICCC Experience	<p>"Sole Bidder / Bidder (Any member in case of Consortium as per R&amp;R defined in Consortium Agreement) should have an experience in implementation of Integrated Command &amp; Control Centre (ICCC) / Command Control Center (CCC) in India in last 7 years from the date of publishing this RFP One project costing not less than the amount equal to INR 20 Cr. with</p>	<p>Please clarify will the project be considered if the project is Go-Live with the project value of more than 20 Crore and executed in last seven years and also please confirm whether the department will evaluate based on the Project value or billing amount</p>	<p>Please refer to the section 5.1, point no 4 under "Proof Documents Required". It clarifies as below:</p> <p>"In case of an ongoing project, the project must have achieved the respective value in terms of entire project cost and ICCC application &amp; Video Wall Solution component respectively from financial perspective. The Certificate to this</p>

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					<p>ICCC application solution component worth minimum INR 2.5 Cr.</p> <p>"OR</p> <p>Two projects costing not less than the amount equal to INR 12 Cr. each with ICCC application solution component worth minimum INR 1.5 Cr.</p> <p>OR</p> <p>Three projects costing not less than the amount equal to INR 10 Cr. each with ICCC application solution component worth minimum INR 1.25 Cr.</p> <p>Note: ICCC Application cost component shall include:</p> <ol style="list-style-type: none"> <li>1. Licenses cost for ICCC Applications</li> <li>2. SITC cost</li> <li>3. Integration cost</li> <li>4. Operation &amp; Maintenance cost"</li> </ol>		<p>effect from the client on client's letter head to be provided"</p> <p>If Go-Live certificate is to be submitted, the same must clearly specify the information that help ascertain the compliance to the respective evaluation criteria in terms of domains integrated / value in terms of entire project cost and ICCC application Solution component respectively from financial perspective.</p>
22.	5.1	22	Bidder's Eligibility Criteria	Networth	<p>Bidder/ Consortium should have a positive net worth as on 31st March 2020</p> <p>If 2019-20 Financial Statements of any bidder is unaudited then Bidder should have a positive net worth as on 31st March 2019. Moreover, an undertaking letter from the bidder that the 2019-20 Statements are not audited is to be submitted.</p> <p><b>Applicable to Consortium: Yes (All Members of Consortium)</b></p>	<p>We understand that the combined net worth of the consortium members is considered here for evaluation. Please confirm this.</p>	<p>Each Member of Consortium should have a positive net worth as on 31st March 2020. The combined network will not be considered</p>
23.	5.1	22	Bidder's Eligibility Criteria	Supporting Documents	<p>The copies of Audited Annual Accounts for last three years to be submitted along with the bid [FY 2019-20, FY 2018-19, 2017-18]. If 2019-20 Financial Statements of any bidder is unaudited then the Audited Financial Statements of 2016- 17 along with an undertaking letter from the bidder that the 2019-20 Statements are not audited is to be submitted.</p>	<p>We understand that SSCDL has given relaxation to bidders for FY 2019-20. The auditing of many bidder's FY 2018-19 also has been delayed due to the pandemic outbreak.</p> <p>Requesting SSCDL to allow submission of Provisional Financial Statement of FY 2018-19 certified by a Chartered Accountant along with undertaking letter to submit the audited financial statements of FY 2018-19</p>	<p>No Change. RFP term prevails</p>

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						to SSCDL, if Bidder's FY 2018-19 is still under auditing.	
24.	5.1	22	Bidder's Eligibility Criteria	Supporting Documents	1. Copy of completion certificate issued by client 2. Copy of Work order / Contract	We request you to ask for the completion/on going certificate in proof document required.	No Change. RFP term prevails
25.	5.1	22	Bidder's Eligibility Criteria	Supporting Documents	PQ5 1. Copy of completion certificate issued by client 2. Copy of Work order / Contract	Request to amend as follows: PQ5 1. Copy of completion certificate issued by client 2. Copy of Work order / Contract 3. In case of ongoing project, CA/ client certificate to be provided mentioning 80% CAPEX achieved.	No Change. RFP term prevails
26.	5.1	22	Bidder's Eligibility Criteria	Supporting Documents	PQ4 Copy of completion certificate issued by client • In case of an ongoing project, the project must have achieved the respective value in terms of entire project cost and ICCC application & Video Wall Solution component respectively from financial perspective. The Certificate to this effect from the client on client's letter head to be provided. • Copy of Work order / Contract • PQ_12: Format for Use Case Submission from OEM	Request to amend as follows: Copy of completion certificate issued by client • In case of an ongoing project, the project must have achieved 80% CAPEX of the respective value in terms of entire project cost and ICCC application & Video Wall Solution component respectively from financial perspective. The Certificate to this effect from the client on client's letter head/ CA to be provided. • Copy of Work order / Contract • PQ_12: Format for Use Case Submission from OEM	No Change. RFP term prevails
27.	5.1	22	Bidder's Eligibility Criteria	Turnover	Bidder (consortium)/ Sole Bidder jointly should have a minimum average annual turnover of Rs. 100 crore from ICT based business for last three financial years i.e. FY 2019-20, FY 2018-19, 2017-18. In case of consortium, each partner should have minimum average turnover of Rs. 25 Cr.	<b>Request for Ammendment</b> Bidder (consortium)/ Sole Bidder jointly should have a minimum average annual <b>turnover of Rs. 100 crore and atleast 20Cr from ICT based business</b> for last three financial years i.e. FY 2019-20, FY 2018-19, 2017-18. In case of consortium, each partner should have minimum average	No Change. RFP term prevails

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#	RFP Section	RFP Page No.	Category	Sub-Category	Content in the RFP Requiring Clarification	Clarification Sought	Clarification by SSCDL
						turnover of <b>Rs. 25 Cr and atleast Rs:-10Cr from ICT based business</b>	
28.	5.1	22	Bidder's Eligibility Criteria	Turnover	Point 2 Bidder (consortium)/ Sole Bidder jointly should have a minimum average annual turnover of Rs. 100 crore from ICT based business for last three financial years i.e. FY 2019-20, FY 2018-19, 2017-18. In case of consortium, each partner should have minimum average turnover of Rs. 25 Cr.	As per EMD approx. Tender budget is 25 Cr, also minimum ask single order value is 20 Cr. Accordingly request you to change avg turnover criteria to 25 Cr instead of 100 Cr which is very high compare to project value	No Change. RFP term prevails
29.	5.1	22	Bidder's Eligibility Criteria	Turnover	Bidder (consortium)/ Sole Bidder jointly should have a minimum average annual turnover of Rs. 100 crore from ICT based business for last three financial years i.e. FY 2019-20, FY 2018-19, 2017-18. In case of consortium, each partner should have minimum average turnover of Rs. 25 Cr. The copies of Audited Annual Accounts for last three years to be submitted along with the bid [FY 2019-20, FY 2018-19, 2017- 18]. If 2019-20 Financial Statements of any bidder is unaudited then the Audited Financial Statements of 2016- 17 along with an undertaking letter from the bidder that the 2019-20 Statements are not audited is to be submitted	Our request is to amend the following:  Bidder (consortium)/ Sole Bidder jointly should have a minimum average annual turnover of Rs. 100 crore average annual turnover of Rs. 100 from ICT/IT/ITeS/Telecom business for the last three financial years. In case of consortium, each partner should have minimum average turnover of Rs. 25 Cr from ICT/IT/ITeS/Telecom business	No Change. RFP term prevails
30.	5.1	22	Bidder's Eligibility Criteria	Turnover	Bidder (consortium)/ Sole Bidder jointly should have a minimum average annual turnover of Rs. 100 crore from ICT based business for last three financial years i.e. FY 2019-20, FY 2018-19, 2017-18. In case of consortium, each partner should have minimum average turnover of Rs. 25 Cr.	<b>Request to Amend as :</b> Bidder (consortium)/ Sole Bidder jointly should have a minimum <b>cumulative</b> turnover of Rs. 100 crore from <b>ICT/IT services</b> based business for last three financial years i.e. FY 2019-20, FY 2018-19, 2017-18. In case of consortium, each partner should have minimum turnover of Rs. 25 Cr.	No Change. RFP term prevails
31.	5.1	22	Bidder's Eligibility Criteria	Turnover	Bidder (consortium)/ Sole Bidder jointly should have a minimum average annual turnover of Rs. 100 crore from ICT based business for last three financial years i.e. FY 2019-20, FY 2018-19, 2017-18.	<b>Since the turnover requirement is higher compared to the project value, requesting to amend the clause as below for a wide participation:</b>	No Change. RFP term prevails

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#	RFP Section	RFP Page No.	Category	Sub-Category	Content in the RFP Requiring Clarification	Clarification Sought	Clarification by SSCDL
					In case of consortium, each partner should have minimum average turnover of Rs. 25 Cr.	Bidder (consortium)/ Sole Bidder jointly should have a minimum average annual turnover of Rs. 50 crore <del>from ICT based business</del> for last three financial years i.e. FY 2019-20, FY 2018-19, 2017-18. In case of consortium, each partner should have minimum average turnover of Rs. 10 Cr. The turnover of lead partner of consortium must be from ICT business.	
32.	5.1	22	Bidder's Eligibility Criteria	Turnover	PQ2 Bidder (consortium)/ Sole Bidder jointly should have a minimum average annual turnover of Rs. 100 crore from ICT based business for last three financial years i.e. FY 2019-20, FY 2018-19, 2017-18. In case of consortium, each partner should have minimum average turnover of Rs. 25 Cr. The copies of Audited Annual Accounts for last three years to be submitted along with the bid [FY 2019-20, FY 2018-19, 2017-18]. If 2019-20 Financial Statements of any bidder is unaudited then the Audited Financial Statements of 2016-17 along with an undertaking letter from the bidder that the 2019-20 Statements are not audited is to be submitted.	We understand that Bidder's turnover to include ICT based business, please confirm  Also please allow for FY details for 3 years as. FY 2016-17, FY 2018-19, 2017-18 instead of FY 2019-20, FY 2018-19, 2017-18.	Please refer to the clause again, which is self-explanatory. The turnover mentioned should be from ICT business. Further please refer to the statement in the same clause as below -  " If 2019-20 Financial Statements of any bidder is unaudited then the Audited Financial Statements of 2016-17 along with an undertaking letter from the bidder that the 2019-20 Statements are not audited is to be submitted"
33.	5.2	24	OEM's Eligibility Criteria	Wired and Wireless LAN Access Infrastructure. - Gartner	OEM must be listed in Leader's Quadrant of the latest Gartner Magic Quadrant for Wired and Wireless LAN Access Infrastructure.	Request to please remove <b>Leader</b> to participate Please revise clause as : "OEM must be listed in the latest Gartner Magic Quadrant for Wired and Wireless LAN Access Infrastructure"	Please refer to the Addendum & Corrigendum 2
34.	5.2	25	OEM's Eligibility Criteria	ICCC OEM	1. ICCC OEM Solution should be implemented for at least 2 distinct projects covering at least 3 domains (with minimum 1 use case per domain) from below mentioned list out of which minimum 1 deployment should be within India. 1. Adaptive/Intelligent Traffic Control System (ATCS	We hereby request you to kindly amend this clause as:  "ICCC OEM Solution should be implemented for at least 2 distinct projects covering at least 2 domains (with minimum 1 use case	No Change. RFP term prevails

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#	RFP Section	RFP Page No.	Category	Sub-Category	Content in the RFP Requiring Clarification	Clarification Sought	Clarification by SSCDL
					Signals with or without ANPR, RLVD, Wrong side, Speed detection, etc.) 2. Intelligent Transit Management System 3. SCADA System for drinking Water Treatment Plant / Water Distribution Plant 4. SCADA System for Sewage Treatment Plant / Sewage Pumping Station 5. Solid Waste Management 6. Grievance Redressal System 7. CCTV/ Surveillance Network with minimum 50 cameras (Excluding Camera considered under Point 1) 8. Smart Street Lighting System to monitor and control on/off and timer controller, etc. 9. Revenue Collection Systems (Property Tax, Water Meter Billing, Other Utility Meter Reading, AFCS etc.) 10. Electricity SCADA for utility or power generation company 11. Network monitoring for large scale WiFi service / dedicated OFC network 12. Sensor based Smart Parking	per domain) from below mentioned list out of which minimum 1 deployment should be within India. "	
35.	5.2	25	OEM's Eligibility Criteria	ICCC OEM	1. ICCC OEM Solution should be implemented for at least 2 distinct projects covering at least 3 domains (with minimum 1 use case per domain) from below mentioned list out of which minimum 1 deployment should be within India. 1. Adaptive/Intelligent Traffic Control System (ATCS Signals with or without ANPR, RLVD, Wrong side, Speed detection, etc.) 2. Intelligent Transit Management System 3. SCADA System for drinking Water Treatment Plant / Water Distribution Plant 4. SCADA System for Sewage Treatment Plant / Sewage Pumping Station 5. Solid Waste Management 6. Grievance Redressal System	We Hereby request you to Kindly please Add in the Following Domain in the List:  1. Video Analytics 2. Perimeter Intrusion Detection Systems (PIDS) 3. Integration with Radars 4. Emergency Call Box System (ECB) 5. IP PA System 6. Environmental Sensors 7. Variable Messaging Displays 8. GIS	No Change. RFP term prevails

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#	RFP Section	RFP Page No.	Category	Sub-Category	Content in the RFP Requiring Clarification	Clarification Sought	Clarification by SSCDL
					7. CCTV/ Surveillance Network with minimum 50 cameras (Excluding Camera considered under Point 1) 8. Smart Street Lighting System to monitor and control on/off and timer controller, etc. 9. Revenue Collection Systems (Property Tax, Water Meter Billing, Other Utility Meter Reading, AFCS etc.) 10. Electricity SCADA for utility or power generation company 11. Network monitoring for large scale WiFi service / dedicated OFC network 12. Sensor based Smart Parking		
36.	5.2	25	OEM's Eligibility Criteria	ICCC OEM	OEM Criteria	The OEM of the proposed command and control center platform should have CMMI Level 5 Certification  <b>(Justification: This will ensure that the product offered follows highest process optimisation and documentation.)</b>	No Change. RFP term prevails
37.	5.2	25	OEM's Eligibility Criteria	ICCC OEM	ICCC OEM Solution should be implemented for at least 2 distinct projects covering at least 3 domains (with minimum 1 use case per domain) from below mentioned list out of which minimum 1 deployment should be within India.	Request to amend the clause as "ICCC OEM Solution should be implemented for at least a project covering at least 5 domains (with minimum 1 use case per domain) from below mentioned list and deployment should be within India. The Usecases must clearly demonstrate integration with Water SCADA and Electrical SCADA, Transportation system and IT systems. Its important to assess that the tool is used as platform for various integration types. "  <b>(Justification: This will ensure the city chosen platform can integrate across various domains and technologies)</b>	No Change. RFP term prevails



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#	RFP Section	RFP Page No.	Category	Sub-Category	Content in the RFP Requiring Clarification	Clarification Sought	Clarification by SSCDL
38.	5.2	25	OEM's Eligibility Criteria	ICCC OEM	Any client document that clearly specifies the domains implemented & integrated as part of solution.	<p>ICCC OEM's are usually not in direct contact with the Clients, hence request you to accept the certificate/document issued by the System Integrators.</p> <p>Hence, request you to modify the clause as mentioned below:                      OEMs should provide supporting document from Master System Integrator (MSI) that clearly specifies the domains implemented &amp; integrated as a part of solution</p>	No Change. RFP term prevails
39.	5.2	25	OEM's Eligibility Criteria	ICCC OEM	<p>ICCC OEM Solution should be implemented for at least 2 distinct projects covering at least 3 domains (with minimum 1 use case per domain) from below mentioned list out of which minimum 1 deployment should be within India.</p> <ol style="list-style-type: none"> <li>1. Adaptive/Intelligent Traffic Control System (ATCS Signals with or without ANPR, RLVD, Wrong side, Speed detection, etc.)</li> <li>2. Intelligent Transit Management System</li> <li>3. SCADA System for drinking Water Treatment Plant / Water Distribution Plant</li> <li>4. SCADA System for Sewage Treatment Plant / Sewage Pumping Station</li> <li>5. Solid Waste Management</li> <li>6. Grievance Redressal System</li> <li>7. CCTV/ Surveillance Network with minimum 50 cameras (Excluding Camera considered under Point 1)</li> <li>8. Smart Street Lighting System to monitor and control on/off and timer controller, etc.</li> <li>9. Revenue Collection Systems (Property Tax, Water Meter Billing, Other Utility Meter Reading, AFCS etc.)</li> <li>10. Electricity SCADA for utility or power generation company</li> <li>11. Network monitoring for large scale WiFi service</li> </ol>	<p>It is requested to change this clause to the following so as to allow us to participate in the bidding process through our MSI partners: <i>"ICCC OEM Solution should be implemented for at least 2 distinct projects out of which 1 project should be covering at least 3 domains (with minimum 1 use case per domain) from below mentioned list out of which minimum 1 deployment should be within India.:</i></p> <ol style="list-style-type: none"> <li>1. Adaptive/Intelligent Traffic Control System (ATCS Signals with or without ANPR, RLVD, Wrong side, Speed detection, etc.)</li> <li>2. Intelligent Transit Management System</li> <li>3. SCADA System for drinking Water Treatment Plant / Water Distribution Plant</li> <li>4. SCADA System for Sewage Treatment Plant / Sewage Pumping Station</li> <li>5. Solid Waste Management</li> <li>6. Grievance Redressal System</li> <li>7. CCTV/ Surveillance Network with minimum 50 cameras (Excluding Camera considered under Point 1)</li> <li>8. Smart Street Lighting System to monitor and control on/off and timer controller, etc.</li> <li>9. Revenue Collection Systems (Property Tax,</li> </ol>	No Change. RFP term prevails

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#	RFP Section	RFP Page No.	Category	Sub-Category	Content in the RFP Requiring Clarification	Clarification Sought	Clarification by SSCDL
					/ dedicated OFC network 12. Sensor based Smart Parking	<i>Water Meter Billing, Other Utility Meter Reading, AFCS etc.)</i> 10. Electricity SCADA for utility or power generation company 11. Network monitoring for large scale WiFi service / dedicated OFC network 12. Sensor based Smart Parking *** Ongoing projects under Smart Cities in India would be considered for Eligibility.	
40.	5.2	25	OEM's Eligibility Criteria	ICCC OEM	Suggestion	Software Roadmap Vendor shall provide a detailed roadmap for their software offering at-least till calendar year 2020. This would be a very important for selection criteria. Surat City needs to know the future direction of the software platform both in terms of functionality and technical components.	No Change. RFP term prevails
41.	5.2	25	OEM's Eligibility Criteria	ICCC OEM	Suggestion	The OEM of the proposed command and control center platform should have CMMI Level 5 Certification This will ensure that the product offered follows highest process optimisation and documentation.	No Change. RFP term prevails
42.	5.2	25	OEM's Eligibility Criteria	ICCC OEM	Suggestion	The proposed OEM CCC platform should have native support for below mentioned protocols. The integration to the external legacy sub-system current or futuristic should be on real-time basis and not on offline basis. OPC, IEC 60870-104, MQTTBACnet/IPModbusWeb services/ REST API's	No Change. RFP term prevails

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#	RFP Section	RFP Page No.	Category	Sub-Category	Content in the RFP Requiring Clarification	Clarification Sought	Clarification by SSCDL
						These are various standard protocols for integrations	
43.	5.2	25	OEM's Eligibility Criteria	ICCC OEM	ICCC OEM Solution should be implemented for at least 2 distinct projects covering at least 3 domains (with minimum 1 use case per domain) from below mentioned list out of which minimum 1 deployment should be within India.	Request to amend the clause as " ICCO OEM Solution should be implemented for at least a project covering at least 5 domains (with minimum 1 use case per domain) from below mentioned list and deployment should be within India. The Usecases must clearly demonstrate integration with Water SCADA and Electrical SCADA, Transportation system and IT systems. Its important to asses that the tool is used as platform for various integration types. "  This will ensure the city chosen platform can integrate across various domains and technologies	No Change. RFP term prevails
44.	5.2	25	OEM's Eligibility Criteria	ICCC OEM	ICCC OEM Solution should be implemented for at least 2 distinct projects covering at least 3 domains (with minimum 1 use case per domain) from below mentioned list out of which minimum 1 deployment should be within India.	ICCC OEM solution provider to ensure a world class solution to be provided. It is pertinent that any global experience will be good to bring in global best practices. We request to change the RFP line as "ICCC OEM Solution should be implemented for at least 2 distinct projects covering at least 3 domains (with minimum 1 use case per domain) from below mentioned list out of which minimum 1 deployment should be within India/world"	No Change. RFP term prevails
45.	5.2	25	OEM's Eligibility Criteria	ICCC OEM	ICCC OEM Solution should be implemented for at least 2 distinct projects covering at least 3 domains (with minimum 1 use case per domain) from below mentioned list out of which minimum 1 deployment should be within India.	We request you to modify the clause as below The Global organisation who has partners with Indian Companies In order to provide best technologies the PQ criteria should consider India/Global experience. Also due to contractual constraints the OEM's self declaration with contact details	No Change. RFP term prevails

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						of the customer with name, designation etc should be considered for this PQ	
46.	5.2	25	OEM's Eligibility Criteria	ICCC OEM	ICCC OEM	GIS is a core component of the RfP as stated in the RfP document. It comes prominently within the Envisaged Solution Architecture (Section 4.2 of the RfP). We request GIS to be added clearly as a component of the envisaged system.	No Change. RFP term prevails
47.	5.2	25	OEM's Eligibility Criteria	ICCC OEM	<p>ICCC OEM Solution should be implemented for at least 2 distinct projects covering at least 3 domains (with minimum 1 use case per domain) from below mentioned list out of which minimum 1 deployment should be within India.</p> <ol style="list-style-type: none"> <li>1. Adaptive/Intelligent Traffic Control System (ATCS Signals with or without ANPR, RLVD, Wrong side, Speed detection, etc.)</li> <li>2. Intelligent Transit Management System</li> <li>3. SCADA System for drinking Water Treatment Plant / Water Distribution Plant</li> <li>4. SCADA System for Sewage Treatment Plant / Sewage Pumping Station</li> <li>5. Solid Waste Management</li> <li>6. Grievance Redressal System</li> <li>7. CCTV/ Surveillance Network with minimum 50 cameras (Excluding Camera considered under Point 1)</li> <li>8. Smart Street Lighting System to monitor and control on/off and timer controller, etc.</li> <li>9. Revenue Collection Systems (Property Tax, Water Meter Billing, Other Utility Meter Reading, AFCS etc.)</li> <li>10. Electricity SCADA for utility or power generation company</li> <li>11. Network monitoring for large scale WiFi service / dedicated OFC network</li> <li>12. Sensor based Smart Parking</li> </ol>	<p>It is requested to change this clause to the following so as to allow us to participate in the bidding process through our MSI partners: <i>"ICCC OEM Solution should be implemented for at least 2 distinct projects out of which 1 project should be covering at least 3 domains (with minimum 1 use case per domain) from below mentioned list out of which minimum 1 deployment should be within India.:</i></p> <ol style="list-style-type: none"> <li>1. Adaptive/Intelligent Traffic Control System (ATCS Signals with or without ANPR, RLVD, Wrong side, Speed detection, etc.)</li> <li>2. Intelligent Transit Management System</li> <li>3. SCADA System for drinking Water Treatment Plant / Water Distribution Plant</li> <li>4. SCADA System for Sewage Treatment Plant / Sewage Pumping Station</li> <li>5. Solid Waste Management</li> <li>6. Grievance Redressal System</li> <li>7. CCTV/ Surveillance Network with minimum 50 cameras (Excluding Camera considered under Point 1)</li> <li>8. Smart Street Lighting System to monitor and control on/off and timer controller, etc.</li> <li>9. Revenue Collection Systems (Property Tax, Water Meter Billing, Other Utility Meter Reading, AFCS etc.)</li> <li>10. Electricity SCADA for utility or power</li> </ol>	Please refer to the Addendum & Corrigendum 2

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						<p><i>generation company</i></p> <p><i>11. Network monitoring for large scale WiFi service / dedicated OFC network</i></p> <p><i>12. Sensor based Smart Parking</i></p> <p><i>*** Ongoing projects under Smart Cities in India would be considered for Eligibility.</i></p>	
48.	5.2	25	OEM's Eligibility Criteria	ICCC OEM	<p>ICCC OEM Solution should be implemented for at least 2 distinct projects covering at least 3 domains (with minimum 1 use case per domain) from below mentioned list out of which minimum 1 deployment should be within India.</p> <ol style="list-style-type: none"> <li>1. Adaptive/Intelligent Traffic Control System (ATCS Signals with or without ANPR, RLVD, Wrong side, Speed detection, etc.)</li> <li>2. Intelligent Transit Management System</li> <li>3. SCADA System for drinking Water Treatment Plant / Water Distribution Plant</li> <li>4. SCADA System for Sewage Treatment Plant / Sewage Pumping Station</li> <li>5. Solid Waste Management</li> <li>6. Grievance Redressal System</li> <li>7. CCTV/ Surveillance Network with minimum 50 cameras (Excluding Camera considered under Point 1)</li> <li>8. Smart Street Lighting System to monitor and control on/off and timer controller, etc.</li> <li>9. Revenue Collection Systems (Property Tax, Water Meter Billing, Other Utility Meter Reading, AFCS etc.)</li> <li>10. Electricity SCADA for utility or power generation company</li> <li>11. Network monitoring for large scale WiFi service / dedicated OFC network</li> <li>12. Sensor based Smart Parking</li> </ol>	<p>GIS &amp; Video Analytics are also one of the critical components/domains of Smart Cities which have not been listed in the domains specified. It is requested to add these domains as well. Also SCADA Domain integrations requirements have been specified for Water Treatment Plant/Water distribution Plant, STP/SPS &amp; for Electricity utility /power generation company. However, SCADA Domain Integration for gas utility has not been specified. it is requested to add that as well as method of Integration &amp; Capability of ICCC to integrate with any SCADA based system does not depend on the domain. Therefore, It is requested to change this clause to the following so as to allow us to participate in the bidding process through our MSI partners: "<i>ICCC OEM Solution should be implemented for at least 2 distinct projects covering at least 3 domains (with minimum 1 use case per domain) from below mentioned list out of which minimum 1 deployment should be within India.:</i></p> <ol style="list-style-type: none"> <li><i>1. Adaptive/Intelligent Traffic Control System (ATCS Signals with or without ANPR, RLVD, Wrong side, Speed detection, etc.)</i></li> <li><i>2. Intelligent Transit Management System</i></li> <li><i>3. SCADA System for drinking Water Treatment Plant / Water Distribution Plant / Sewage Treatment Plant / Sewage Pumping</i></li> </ol>	Please refer to the Addendum & Corrigendum 2

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						<p><i>Station /Electrical utility or power generation company/Gas utility or company</i></p> <p><i>4. Solid Waste Management</i></p> <p><i>5. Grievance Redressal System</i></p> <p><i>6. CCTV/ Surveillance Network with minimum 50 cameras (Excluding Camera considered under Point 1)</i></p> <p><i>7. Smart Street Lighting System to monitor and control on/off and timer controller, etc.</i></p> <p><i>8. Revenue Collection Systems (Property Tax, Water Meter Billing, Other Utility Meter Reading, AFCS etc.)</i></p> <p><i>9. Network monitoring for large scale WiFi service / dedicated OFC network</i></p> <p><i>10. Sensor based Smart Parking</i></p> <p><i>11. Video Analytics</i></p> <p><i>12. Geographical Information System (GIS) Maps</i></p> <p><i>*** Ongoing projects under Smart Cities in India would be considered for Eligibility.</i></p>	
49.	5.2	25	OEM's Eligibility Criteria	Supporting Documents- ICCO OEM	<p>1. Work order of projects for supply of ICCO Solution</p> <p>2. Any client document that clearly specifies the domains implemented &amp; integrated as part of solution.</p> <p>3. Self-certificate on OEM's letterhead from authorised signatory clearly defining the use cases implemented under each domain as part of the project as per format prescribed in PQ_12.</p>	<p>We understand on-going cases can be submitted for compliance of this clause, please confirm</p> <p>Request to amend as follows:</p> <p>1. Work order of projects for supply of ICCO Solution</p> <p>2. Any client/ OEM self-declaration document that clearly specifies the domains implemented &amp; integrated as part of solution.</p> <p>3. Self-certificate on OEM's letterhead from authorised signatory clearly defining the use cases implemented under each domain as part of the project as per format prescribed in PQ_12.</p>	<p>If any project is on-going then atleast 3 domains from the list must have been implemented and certificate from the end client should be submitted for the evaluation</p>

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50.	6.1	32	Instructions to Bidder	EMD	The bidder should also pay EMD of Rs. 25, 00,000 (Rupees Twenty five lakhs only) whereby 50% amount shall be in the form of Demand Draft / Banker's Cheque in favour of "Surat Smart City Development Limited", from Nationalized or Scheduled bank and 50 % amount shall be in the form of Bank guarantee (BG) of any nationalized / scheduled banks with validity of 180 days from the date of Bid opening. The format for BG is enclosed in Section 10.9, The details of the	We request you to allow us to submit the BG from scheduled commercial bank for total amount of 25 ,00,000	No Change. RFP term prevails
51.	6.11	33	Instructions to Bidder	Bid Submission	The Bid must be sent strictly by Postal Speed Post or Registered Post AD only so as to reach on or before 01.10.2020 up to 18.00 hrs. Bids received in any other manner or mode (like courier, in person, etc.) will not be considered. SSCDL won't be responsible for postal delays.	Kindly removed this clause	No Change. RFP term prevails
52.	6.15	35	Instructions to Bidder	Taxes	If imposition of any other new Taxes/Duties/Levies/Cess or any other incidentals etc. or any increase in the existing Taxes/ Duties/ Levies/Cess or any other incidentals etc. (excluding GST) are imposed during the course of the contract, the same shall be borne by the Contractor/Successful Bidder Only, in no case SSCDL shall be liable for the same	Statutory variation within and beyond contractual period including any extension received for the project shall be paid by the Employer.	No Change. RFP term prevails
53.	6.15	36	Instructions to Bidder	Taxes	If imposition of any other new Taxes/Duties/Levies/Cess or any other incidentals etc. or any increase in the existing Taxes/Duties/Levies/Cess or any other incidentals etc. (excluding GST) are imposed during the course of the contract, the same shall be borne by the Contractor/Successful Bidder Only, in no case SSCDL shall be liable for the same.	We hereby request you to add the clause as mentioned below " our contract price would be amended if there is any amendment of existing taxes /duties/levies/cess or there is introduction of any new taxes /duties/ levies/cess by any state Government or central Government "	No Change. RFP term prevails

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#	RFP Section	RFP Page No.	Category	Sub-Category	Content in the RFP Requiring Clarification	Clarification Sought	Clarification by SSCDL																
54.	6.15	36	Instructions to Bidder	Taxes	SSCDL shall be entitled to deduct tax at source or any other taxes/ cess as may be applicable.	To have more clarity , request you to confirm that Labour cess /BOCW would not be deducted from our payments	SSCDL will deduct tax at source or any other taxes/ cess as may be applicable or mandated by government/statutory authority.																
55.	6.19	36	Instructions to Bidder	Evaluation Process	A two-stage selection procedure will be adopted: Stage-1: Technical Bid (Basic Eligibility Criteria + Technical Compliance) and Stage-2: Commercial bid.	Kindly request you to adopt QCBS Evaluation Criteria as prevailant in most of the Smart City Projects.	Please refer to the Addendum & Corrigendum 2																
56.	6.19	37	Instructions to Bidder	Evaluation Process	3. Only those Bids which have a minimum score of 60% of total marks in technical evaluation will be considered for opening of their Commercial Bid.	Kindly request you to increase the minimum score to 80 % so as to improvise the quality of Bids.	Please refer to the Addendum & Corrigendum 2																
57.	6.22	38	Technical Evaluation Criteria	Full Time Employee	<p>-The prime bidder having at least 250 FTE (full time employees) on the payroll of organization working on ICT projects will get 3 marks</p> <p>-For every additional FTEs as below the bidder will get additional marks subject to maximum of 5 marks.</p> <table border="0"> <tr> <td>Number of FTE</td> <td>Marks</td> </tr> <tr> <td>&gt;500</td> <td>5 Marks</td> </tr> <tr> <td>&gt; 250 FTE to =&lt;500 FTE</td> <td>4 marks</td> </tr> <tr> <td>=250 FTE</td> <td>3 Marks</td> </tr> </table> <p><b>Maximum marks: 5</b></p> <p>Note: Full time Employees defined as employees on the Payroll of organization. Moreover, the employees of the Group companies will not be considered. The employees count of bidding entity will only be considered for evaluation.</p> <p>Bidder to submit the Certificate from the HR or Company Secretary clearly specifying the total no of employees within the organization. Original or Notarized copy of the certificate should be submitted.</p>	Number of FTE	Marks	>500	5 Marks	> 250 FTE to =<500 FTE	4 marks	=250 FTE	3 Marks	<p>Request you to kindly revise the criteria as following:</p> <p>-The sole bidder or in case of Consortium - cummulatively with all the members of consortium shall meet requirement of at least 250 FTE (full time employees) on the payroll of organization working on ICT projects will get 3 marks</p> <p>-For every additional FTEs as below the bidder will get additional marks subject to maximum of 5 marks.</p> <table border="0"> <tr> <td>Number of FTE</td> <td>Marks</td> </tr> <tr> <td>&gt;500</td> <td>5</td> </tr> <tr> <td>&gt; 250 FTE to =&lt;500 FTE</td> <td>4</td> </tr> <tr> <td>=250 FTE</td> <td>3</td> </tr> </table> <p><b>Maximum marks: 5</b></p> <p>Note: Full time Employees defined as employees on the Payroll of organization.</p>	Number of FTE	Marks	>500	5	> 250 FTE to =<500 FTE	4	=250 FTE	3	No Change. RFP term prevails
Number of FTE	Marks																						
>500	5 Marks																						
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#	RFP Section	RFP Page No.	Category	Sub-Category	Content in the RFP Requiring Clarification	Clarification Sought	Clarification by SSCDL																		
						Moreover, the employees of the Group companies will not be considered. The employees count of bidding entity will only be considered for evaluation. Bidder to submit the Certificate from the HR or Company Secretary clearly specifying the total no of employees within the organization. Original or Notarized copy of the certificate should be submitted.																			
58.	6.22	38	Technical Evaluation Criteria	Full Time Employee	The prime bidder having at least 250 FTE (full time employees) on the payroll of organization working on ICT projects will get 3 marks  <table border="0"> <tr> <td><b>Number of FTE</b></td> <td><b>Marks</b></td> </tr> <tr> <td>&gt; 500</td> <td>5</td> </tr> <tr> <td>&gt; 250 FTE to =&lt;500 FTE</td> <td>4</td> </tr> <tr> <td>= 250 FTE</td> <td>3</td> </tr> </table>	<b>Number of FTE</b>	<b>Marks</b>	> 500	5	> 250 FTE to =<500 FTE	4	= 250 FTE	3	Requesting SSCDL to relax the requirement of FTE and amend the criteria as below:  <table border="0"> <tr> <td colspan="2">The sole bidder or consortium combined having at least 100 FTE (full time employees) on the payroll of organization working on ICT projects will get 3 marks</td> </tr> <tr> <td><b>Number of FTE</b></td> <td><b>Marks</b></td> </tr> <tr> <td>&gt; 125</td> <td>5</td> </tr> <tr> <td>&gt; 100 FTE to =&lt;125 FTE</td> <td>4</td> </tr> <tr> <td>= 100 FTE</td> <td>3</td> </tr> </table>	The sole bidder or consortium combined having at least 100 FTE (full time employees) on the payroll of organization working on ICT projects will get 3 marks		<b>Number of FTE</b>	<b>Marks</b>	> 125	5	> 100 FTE to =<125 FTE	4	= 100 FTE	3	No Change. RFP term prevails
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59.	6.22	38	Technical Evaluation Criteria	Full Time Employee	TQ2 The prime bidder having at least 250 FTE (full time employees) on the payroll of organization working on ICT projects will get 3 marks <ul style="list-style-type: none"> <li>For every additional FTEs as below the bidder will get additional marks subject to maximum of 5 marks.</li> </ul> Maximum marks: 5 Note: Full time Employees defined as employees on the Payroll of organization. Moreover, the employees of the Group companies will not be considered. The employees count of bidding entity will only be considered for evaluation. Bidder to submit the Certificate from the HR or Company Secretary clearly specifying the total no of employees within the organization. Original or	Request to amend as follows: TQ2 The prime bidder having at least 250 FTE (full time employees) on the payroll of organization working on ICT projects will get 3 marks <ul style="list-style-type: none"> <li>For every additional FTEs as below the bidder will get additional marks subject to maximum of 5 marks.</li> </ul> Maximum marks: 5 Note: Full time Employees defined as employees on the Payroll of organization. Moreover, the employees of the Group companies will not be considered. The employees count of bidding entity will only be considered for evaluation. Bidder to submit the Certificate from the HR	No Change. RFP term prevails																		

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					Notarized copy of the certificate should be submitted	or Company Secretary/ Bidder's letterhead signed by authorized signatory clearly specifying the total no of employees within the organization. Original or Notarized copy of the certificate should be submitted													
60.	6.22	38	Technical Evaluation Criteria	Supporting Documents	<ul style="list-style-type: none"> <li>• Bidder to submit the Certificate from the statutory auditor / CA clearly specifying the annual turnover from ICT for the specified years. Original or Notarized copy of the certificate should be submitted</li> <li>• The copies of Audited Annual Accounts for last three years to be submitted along with the bid [FY 2019-20, FY 2018-19, 2017-18]. If 2019-20 Financial Statements of any bidder is unaudited then the Audited Financial Statements of 2016-17 along with an undertaking letter from the bidder that the 2019-20 Statements are not audited is to be submitted</li> </ul>	Requesting SSCDL to allow submission of Provisional Financial Statement of FY 2018-19 certified by a Chartered Accountant along with undertaking letter to submit the audited financial statements of FY 2018-19 to SSCDL, if Bidder's FY 2018-19 is still under auditing.	No Change. RFP term prevails												
61.	6.22	38	Technical Evaluation Criteria	Turnover	<p>Bidder (consortium)/ Sole Bidder jointly should have a minimum average annual turnover of Rs. 100 crore from ICT based business for last three financial years i.e. FY 2019-20, FY 2018-19, 2017-18. In case of consortium, each partner should have minimum average turnover 25 Cr.</p> <table border="0"> <tr> <td>Average Turnover (in crores)</td> <td>Marks</td> </tr> <tr> <td>&gt;= INR 200 Cr</td> <td>10</td> </tr> <tr> <td>&gt;= INR 150 Cr. and &lt; INR200 Cr</td> <td>9</td> </tr> <tr> <td>&gt;= INR 100 Cr. and &lt; INR 150 Cr.</td> <td>8</td> </tr> </table>	Average Turnover (in crores)	Marks	>= INR 200 Cr	10	>= INR 150 Cr. and < INR200 Cr	9	>= INR 100 Cr. and < INR 150 Cr.	8	<p><b>Kindly relax the criteria as below, as requested for pre-qualification criteria:</b></p> <p>Bidder (consortium)/ Sole Bidder jointly should have a minimum average annual turnover of Rs. 50 crore <del>from ICT based business</del> for last three financial years i.e. FY 2019-20, FY 2018-19, 2017-18. In case of consortium, each partner should have minimum average turnover 10 Cr. The turnover of lead partner of consortium must be from ICT business.</p> <table border="0"> <tr> <td>Average Turnover (in crores)</td> <td>Marks</td> </tr> <tr> <td>&gt;= INR 100 Cr</td> <td>10</td> </tr> </table>	Average Turnover (in crores)	Marks	>= INR 100 Cr	10	No Change. RFP term prevails
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						>= INR 75 Cr. and < INR 100 Cr      9 >= INR 50 Cr. and < INR 75 Cr.      8	
62.	6.22	38	Technical Evaluation Criteria	Turnover		We understand that Bidder's turnover to include ICT based business, please confirm	Please refer to the clause again, which is self explanatory. The turnover mentioned should be from ICT business. Further please refer to the statement in the same clause as below -  " Bidder (consortium)/ Sole Bidder jointly should have a minimum average annual turnover of Rs. 100 crore from ICT based business for last three financial years i.e. FY 2019-20, FY 2018-19, 2017-18. In case of consortium, each partner should have minimum average turnover 25 Cr."
63.	6.22	39	Technical Evaluation Criteria	Certificates	TQ 3 Certification with the Sole Bidder or any member of consortium (valid as on date of issuance of the bid): <ul style="list-style-type: none"> <li>• ISO 9001:2008</li> <li>• ISO 20000:2011 for IT Service Management</li> <li>• ISO 27001:2013 for Information Security Management System</li> <li>• CMMi Level 3</li> <li>• CMMi Level 5</li> </ul> Certification Marks <ul style="list-style-type: none"> <li>• Any one ISO certificate-2</li> <li>• Any two ISO certification or CMMi Level 3-3</li> <li>• All ISO certification or</li> <li>• CMMi Level 5 Certification or</li> <li>• Any two ISO certification &amp; CMMi Level 3 Certification-4</li> <li>• Any two ISO certification &amp; CMMi Level 5 Certification or All ISO Certification &amp; CMMi Level 3 Certification-5</li> </ul>	Please confirm whether group company/ parent company/ sistern concern credentials can be used for this clause. Request to amend as follows: TQ 3 Certification with the Sole Bidder or any member of consortium (valid as on date of issuance of the bid): <ul style="list-style-type: none"> <li>• ISO 9001:2008</li> <li>• ISO 20000:2011 for IT Service Management</li> <li>• ISO 27001:2013 for Information Security Management System</li> <li>• CMMi Level 3</li> <li>• CMMi Level 5</li> </ul> Certification Marks <ul style="list-style-type: none"> <li>• Any one ISO certificate-2</li> <li>• Any two ISO certification or CMMi Level 3-3</li> <li>• All ISO certification or</li> <li>• CMMi Level 5 Certification or</li> <li>• Any two ISO certification &amp; CMMi Level 3 Certification-4</li> <li>• Any one ISO certification &amp; CMMi Level 5</li> </ul>	The certificate of bidding entity only will be considered

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						Certification or All ISO Certification & CMMi Level 3 Certification-5	
64.	6.22	39	Technical Evaluation Criteria	Executing Command Control Center Project	Experience of Sole Bidder / Bidder (Any member in case of Consortium as per R&R defined in Consortium Agreement) in implementation of Integrated Command & Control Centre (ICCC) /Command Control Center (CCC) in India in last 7 years from the date of publishing this RFP (maximum 2 projects).....	We request to kindly revise the clause as below to remove the conditions " as per R&R defined in Consortium Agreement".  Experience of Sole Bidder / Bidder (Any member in case of Consortium <del>as per R&amp;R defined in Consortium Agreement</del> ) in implementation of Integrated Command & Control Centre (ICCC) /Command Control Center (CCC) in India in last 7 years from the date of publishing this RFP (maximum 2 projects).....	No Change. RFP term prevails
65.	6.22	39	Technical Evaluation Criteria	Executing Command Control Center Project	Experience of Sole Bidder / Bidder (Any member in case of Consortium as per R&R defined in Consortium Agreement) in implementation of Integrated Command & Control Centre (ICCC) /Command Control Center (CCC) in India in last 7 years from the date of publishing this RFP (maximum 2 projects)	In case of consoritum, Request you to kindly allow cumulative work experience of either lead bidder or consoritum partner for asked criteria. As limiting it to only one partner as per R&R of the consortium restrict to marks for expereince claimed by other member of the consortium. Hence request you to kindly revise the criteria as following :  " Experience of Sole Bidder / Bidder (Any member in case of Consortium) in implementation of Integrated Command & Control Centre (ICCC) /Command Control Center (CCC) in India in last 7 years from the date of publishing this RFP (maximum 2 projects) "	No Change. RFP term prevails
66.	6.22	40	Technical Evaluation Criteria	Data Center Experience	Relevant experience of Sole bidder / Bidder (Any member in case of Consortium as per R&R defined in Consortium Agreement) in creation of Datacenter/ Data Center Infrastructure in State Govt./Central Govt./ULB/ Public Sector Units(PSU)	Kindly relax the criteria as below:  Relevant experience of Sole bidder / Bidder (Any member in case of Consortium as per R&R defined in Consortium Agreement) in	No Change. RFP term prevails

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#	RFP Section	RFP Page No.	Category	Sub-Category	Content in the RFP Requiring Clarification	Clarification Sought	Clarification by SSCDL
					<p>in India in past 7 years having minimum project value of Rs. 3 Crore.                      Each Project: 2.5 marks   Maximum Projects: 2</p> <p>Bidder is required to submit :</p> <ul style="list-style-type: none"> <li>• Copy of Work Order/ Contract</li> <li>• Copy of completion certificate issued by client</li> </ul> <p>Note:                      1. In-house projects for own or group companies shall not be considered for above criteria. Data Center Infrastructure cost should be excluding software license cost</p>	<p>creation of Datacenter/ Data Center Infrastructure in State Govt./Central Govt./ULB/ Public Sector Units(PSU) in India/Global in past 7 years having minimum project value of Rs. 1 Crore.                      Each Project: 2.5 marks   Maximum Projects: 2</p> <p>Bidder is required to submit :</p> <ul style="list-style-type: none"> <li>• Copy of Work Order/ Contract</li> <li>• Copy of completion certificate issued by client</li> </ul> <p>Note:                      1. In-house projects for own or group companies shall not be considered for above criteria. <del>Data Center Infrastructure cost should be excluding software license cost</del></p>	
67.	6.22	40	Technical Evaluation Criteria	Executing Command Control Center Application	Experience of Sole Bidder / Bidder (Any member in case of Consortium as per R&R defined in Consortium Agreement) in implementation of ICCC Solution integrating domains/systems in the last seven (7) years (maximum 2 projects) in India....	<p>We request to kindly revise the clause as below to remove the conditions " as per R&amp;R defined in Consortium Agreement".</p> <p>Experience of Sole Bidder / Bidder (Any member in case of Consortium <del>as per R&amp;R defined in Consortium Agreement</del>) in implementation of ICCC Solution integrating domains/systems in the last seven (7) years (maximum 2 projects) in India....</p>	No Change. RFP term prevails
68.	6.22	40	Technical Evaluation Criteria	Executing Command Control Center Application	Experience of Sole Bidder / Bidder (Any member in case of Consortium as per R&R defined in Consortium Agreement) in implementation of ICCC Solution integrating domains/systems in the last seven (7) years (maximum 2 projects) in India.	In case of consortium, Request you to kindly allow cumulative work experience of either lead bidder or consortium partner for asked criteria. As limiting it to only one partner as per R&R of the consortium restrict to marks for experience claimed by other member of the consortium. Hence request you to kindly revise the criteria as following :	No Change. RFP term prevails

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						" Experience of Sole Bidder / Bidder (Any member in case of Consortium) in implementation of ICCC Solution integrating domains/systems in the last seven (7) years (maximum 2 projects) in India. "	
69.	6.22	40	Technical Evaluation Criteria	Executing Command Control Center Application	<p>Experience of Sole Bidder / Bidder (Any member in case of Consortium as per R&amp;R defined in Consortium Agreement) in implementation of ICCC Solution integrating domains/systems in the last seven (7) years (maximum 2 projects) in India.</p> <ol style="list-style-type: none"> <li>1. Adaptive/Intelligent Traffic Control System (ATCS Signals with or without ANPR, RLVD, Wrong side, Speed detection, etc.)</li> <li>2. Intelligent Transit Management System</li> <li>3. SCADA System for drinking Water Treatment Plant / Water Distribution Plant</li> <li>4. SCADA System for Sewage Treatment Plant / Sewage Pumping Station</li> <li>5. Solid Waste Management</li> <li>6. Grievance Redressal System</li> <li>7. CCTV/ Surveillance Network with minimum 50 cameras (Excluding Camera considered under Point 1)</li> <li>8. Smart Street Lighting System to monitor and control on/off and timer controller, etc.</li> <li>9. Revenue Collection Systems (Property Tax, Water Meter Billing, Other Utility Meter Reading, AFCS etc.)</li> <li>10. Electricity SCADA for utility or power generation company</li> <li>11. Network monitoring for large scale WiFi service / dedicated OFC network</li> <li>12. Sensor based Smart Parking</li> </ol>	<p><b>Request to Amend as :</b></p> <p>Experience of Sole Bidder / Bidder (Any member in case of Consortium as per R&amp;R defined in Consortium Agreement) in implementation of ICCC Solution integrating domains/systems in the last seven (7) years (maximum 2 projects) in India.</p> <ol style="list-style-type: none"> <li>1. Adaptive/Intelligent Traffic Control System (ATCS Signals with or without ANPR, RLVD, Wrong side, Speed detection, etc.)</li> <li>2. Intelligent Transit Management System</li> <li>3. SCADA System for drinking Water Treatment Plant / Water Distribution Plant</li> <li>4. SCADA System for Sewage Treatment Plant / Sewage Pumping Station</li> <li>5. Solid Waste Management</li> <li>6. Grievance Redressal System</li> <li>7. CCTV/ Surveillance Network with minimum 50 cameras (Excluding Camera considered under Point 1)</li> <li>8. Smart Street Lighting System to monitor and control on/off and timer controller, etc.</li> <li>9. Revenue Collection Systems (Property Tax, Water Meter Billing, Other Utility Meter Reading, AFCS etc.)</li> <li>10. Electricity SCADA for utility or power generation company</li> <li>11. Network monitoring for large scale WiFi service / dedicated OFC network</li> <li>12. Sensor based Smart Parking</li> <li>13. Public Address system</li> </ol>	No Change. RFP term prevails

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						14. Emergency Call Box system 15. Environmental sensor	
70.	6.22	40	Technical Evaluation Criteria	Executing Command Control Center Application	<p>Experience of Sole Bidder / Bidder (Any member in case of Consortium as per R&amp;R defined in Consortium Agreement) in implementation of ICCC Solution integrating domains/systems in the last seven (7) years (maximum 2 projects) in India.</p> <ol style="list-style-type: none"> <li>1. Adaptive/Intelligent Traffic Control System (ATCS Signals with or without ANPR, RLVD, Wrong side, Speed detection, etc.)</li> <li>2. Intelligent Transit Management System</li> <li>3. SCADA System for drinking Water Treatment Plant / Water Distribution Plant</li> <li>4. SCADA System for Sewage Treatment Plant / Sewage Pumping Station</li> <li>5. Solid Waste Management</li> <li>6. Grievance Redressal System</li> <li>7. CCTV/ Surveillance Network with minimum 50 cameras (Excluding Camera considered under Point 1)</li> <li>8. Smart Street Lighting System to monitor and control on/off and timer controller, etc.</li> <li>9. Revenue Collection Systems (Property Tax, Water Meter Billing, Other Utility Meter Reading, AFCS etc.)</li> <li>10. Electricity SCADA for utility or power generation company</li> <li>11. Network monitoring for large scale WiFi service / dedicated OFC network</li> <li>12. Sensor based Smart Parking</li> </ol>	<p>The criteria has listed SCADA as three different system. Also the traffic enforcement system is included in the Traffic control system. We request SSCDL to kindly amend the clause as below for an increased participation:</p> <p>Experience of Sole Bidder / Bidder (Any member in case of Consortium as per R&amp;R defined in Consortium Agreement) in implementation of ICCC/CCC integrating domains/systems in the last seven (7) years (maximum 2 projects) in India/Global..</p> <ol style="list-style-type: none"> <li>1. Adaptive/Intelligent Traffic Control System (ATCS Signals)</li> <li>2. Intelligent Traffic Enforcement system (ANPR, RLVD, Wrong side, Speed detection, etc.)</li> <li>3. Intelligent Transit Management System</li> <li>4. SCADA System for drinking Water Treatment Plant / Water Distribution Plant/Sewage Treatment Plant / Sewage Pumping Station/Electricity SCADA for utility or power generation company</li> <li>5. Solid Waste Management</li> <li>6. Grievance Redressal System/Call Centre with IPPBAX</li> <li>7. CCTV/ Surveillance Network with minimum 50 cameras (Excluding Camera considered under Point 2)</li> <li>8. Smart Street Lighting System to monitor and control on/off and timer controller, etc.</li> <li>9. Revenue Collection Systems (Property Tax, Water Meter Billing, Other Utility</li> </ol>	No Change. RFP term prevails

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						Meter Reading, AFCS etc.) 10. Variable Messaging Signboards/Passenger Information Display boards 11. Network monitoring for large scale WiFi service/dedicated OFC network/WAN/LAN/GPRS 12. Sensor based Smart Parking	
71.	6.22	40	Technical Evaluation Criteria	Executing Command Control Center Application	TQ B2 Bidder Experience – Executing Command Control Center Application Experience of Sole Bidder / Bidder (Any member in case of Consortium as per R&R defined in Consortium Agreement) in implementation of ICCC Solution integrating domains/systems in the last seven (7) years (maximum 2 projects) in India. 1. Adaptive/Intelligent Traffic Control System (ATCS Signals with or without ANPR, RLVD, Wrong side, Speed detection, etc.) 2. Intelligent Transit Management System 3. SCADA System for drinking Water Treatment Plant / Water Distribution Plant 4. SCADA System for 5. Solid Waste Management 6. Grievance Redressal System 7. CCTV/ Surveillance Network with minimum 50 cameras (Excluding Camera considered under Point 1) 8. Smart Street Lighting System to monitor and control on/off and timer controller, etc. 9. Revenue Collection Systems (Property Tax, Water Meter Billing, Other Utility Meter Reading, AFCS etc.) 10. Electricity SCADA for utility or power generation company 11. Network monitoring for large scale WiFi service / dedicated OFC network	Request to amend as follows: TQ B2 Bidder Experience – Executing Command Control Center Application Experience of Sole Bidder / Bidder (Any member in case of Consortium as per R&R defined in Consortium Agreement) in implementation of ICCC Solution integrating domains/systems in the last seven (7) years (maximum 2 projects) in India. 1. Adaptive/Intelligent Traffic Control System (ATCS Signals with or without ANPR, RLVD, Wrong side, Speed detection, etc.) 2. Intelligent Transit Management System 3. SCADA System for drinking Water Treatment Plant / Water Distribution Plant 4. SCADA System for 5. Solid Waste Management 6. Grievance Redressal System 7. CCTV/ Surveillance Network with minimum 50 cameras (Excluding Camera considered under Point 1) 8. Smart Street Lighting System to monitor and control on/off and timer controller, etc. 9. Revenue Collection Systems (Property Tax, Water Meter Billing, Other Utility Meter Reading, AFCS etc.) 10. Electricity SCADA for utility or power generation company	No Change. RFP term prevails



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					<p>12. Sensor based Smart Parking</p> <p>Bidder is required to submit :</p> <p>13. Copy of Work order / Contract</p> <p>14. Copy of completion certificate issued by client</p> <p>15. In case of an ongoing project, the claimed domains/systems must have been integrated. The Certificate to this effect from the client on client's letter head to be provided.</p> <p>16. Self-certificate on bidder's letterhead from authorized signatory clearly defining the use cases implemented under each domain as part of the project.</p>	<p>11. Network monitoring for large scale WiFi service / dedicated OFC network</p> <p>12. Sensor based Smart Parking</p> <p>13. GIS</p> <p>14. Emergency Response ( DIAL 100, Women &amp; children helpline, etc)</p> <p>Bidder is required to submit :</p> <p>13. Copy of Work order / Contract</p> <p>14. Copy of completion certificate issued by client</p> <p>15. In case of an ongoing project, the claimed domains/systems must have been integrated. The Certificate to this effect from the client on client's letter head to be provided.</p> <p>16. Self-certificate on bidder's letterhead from authorized signatory clearly defining the use cases implemented under each domain as part of the project.</p> <p>Request to amend as follows:</p> <ul style="list-style-type: none"> <li>• Copy of Work order / Contract</li> <li>• Copy of completion certificate issued by client</li> <li>• In case of an ongoing project, the claimed domains/systems must have been integrated or the project must have achieved 80% CAPEX of the respective value in terms of entire project cost. The Certificate to this effect from the client on client's letter head/ CA to be provided.</li> <li>• Self-certificate on bidder's letterhead from authorized signatory clearly defining the use cases implemented under each domain as part of the project.</li> </ul>	

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72.	6.22	40	Technical Evaluation Criteria	Executing Command Control Center Project	<p>Experience of Sole Bidder / Bidder (Any member in case of Consortium as per R&amp;R defined in Consortium Agreement) in implementation of Integrated Command &amp; Control Centre (ICCC) /Command Control Center (CCC) in India in last 7 years from the date of publishing this RFP (maximum 2 projects)</p> <p>For satisfying PQ criteria = 20 Marks Additional project over and above the projects submitted under PQ criteria</p> <p>Every additional project costing not less than the amount equal to INR 20 Cr. with ICCC application with or without video wall solution component worth minimum INR 2.5 Cr. = 15 marks</p> <p>Every additional costing not less than the amount equal to INR 12 Cr. each with ICCC application with or without video wall solution component worth minimum INR 1.5 Cr. = 9 marks</p> <p>Every additional project costing not less than the amount equal to INR 10 Cr. each with ICCC application with or without video wall solution component worth minimum INR 1.25 Cr. = 7.5 marks</p>	<p>Since ICCC application software may not be always a part of Command Control Centre project, kindly remove the specific requirement of "ICCC application" from this clause and amend as below:</p> <p>Experience of Sole Bidder / Bidder (Any member in case of Consortium as per R&amp;R defined in Consortium Agreement) in implementation of Integrated Command &amp; Control Centre (ICCC) /Command Control Center (CCC) in India/Global in last 7 years from the date of publishing this RFP (maximum 2 projects)</p> <p>For satisfying PQ criteria = 20 Marks Additional project over and above the projects submitted under PQ criteria</p> <p>Every additional project costing not less than the amount equal to INR 20 Cr. having ICCC/CCC with or without video wall solution component worth minimum INR 2.5 Cr. = 15 marks</p> <p>Every additional costing not less than the amount equal to INR 12 Cr. each having ICCC/CCC with or without video wall solution component worth minimum INR 1.5 Cr. = 9 marks</p> <p>Every additional project costing not less than the amount equal to INR 10 Cr. each having ICCC/CCC with or without video wall solution component worth minimum INR 1.25 Cr. = 7.5 marks</p>	<p>No Change. RFP term prevails. Please refer to the definition of ICCC on page no 21 as per below-</p> <p>"Integrated Command &amp; Control Centre (ICCC)/ Command Control Centre (CCC): ICCC/CCC Project is defined as those project where Command Centre Application is implemented. ICCC Application at such installation should not only be a viewing platform but should be used for SOP creation and triggering for specific event/incident. Project only pertaining to NOC and/or Data Center Monitoring will not be considered"</p>

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73.	6.22	40	Technical Evaluation Criteria	Executing Command Control Center Project	<p>TQ B 1  Bidder is required to submit :</p> <ul style="list-style-type: none"> <li>• Copy of completion certificate issued by client</li> <li>• In case of an ongoing project, the project must have achieved the respective value in terms of entire project cost and ICCC application Solution component respectively from financial perspective. The Certificate to this effect from the client on client's letter head to be provided.</li> <li>• Copy of Work order / Contract</li> </ul>	<p>Request to amend as follows:  TQB 1:  Copy of completion certificate issued by client</p> <ul style="list-style-type: none"> <li>• In case of an ongoing project, the project must have achieved 80% CAPEX of the respective value in terms of entire project cost and ICCC application &amp; Video Wall Solution component respectively from financial perspective. The Certificate to this effect from the client on client's letter head/ CA to be provided.</li> <li>• Copy of Work order / Contract</li> <li>• PQ_12: Format for Use Case Submission from OEM</li> </ul>	No Change. RFP term prevails
74.	6.22	40	Technical Evaluation Criteria	Turnover	<ul style="list-style-type: none"> <li>• Bidder (consortium)/ Sole Bidder jointly should have a minimum average annual turnover of Rs. 100 crore from ICT based business for last three financial years i.e. FY 2019-20, FY 2018-19, 2017-18. In case of consortium, each partner should have minimum average turnover 25 Cr.</li> </ul>	<p><b>Request to Amend as :</b></p> <ul style="list-style-type: none"> <li>• Bidder (consortium)/ Sole Bidder jointly should have a minimum <b>cumulative</b> turnover of Rs. 100 crore from <b>ICT/IT services</b> based business for last three financial years i.e. FY 2019-20, FY 2018-19, 2017-18. In case of consortium, each partner should have minimum turnover 25 Cr.</li> </ul>	No Change. RFP term prevails
75.	6.22	41	Technical Evaluation Criteria	Data Center Experience	<p>Relevant experience of Sole bidder / Bidder (Any member in case of Consortium as per R&amp;R defined in Consortium Agreement) in creation of Datacenter/ Data Center Infrastructure in State Govt./Central Govt./ULB/ Public Sector Units(PSU) in India in past 7 years having minimum project value of Rs. 3 Crore.</p>	<p>In case of consortium, Request you to kindly allow cumulative work experience of either lead bidder or consortium partner for asked criteria. As limiting it to only one partner as per R&amp;R of the consortium restrict to marks for experience claimed by other member of the consortium. Hence request you to kindly revise the criteria as following :</p> <p>"Relevant experience of Sole bidder / Bidder (Any member in case of Consortium) in creation of Datacenter/ Data Center</p>	No Change. RFP term prevails

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#	RFP Section	RFP Page No.	Category	Sub-Category	Content in the RFP Requiring Clarification	Clarification Sought	Clarification by SSCDL
						Infrastructure in State Govt./Central Govt./ULB/ Public Sector Units(PSU) in India in past 7 years having minimum project value of Rs. 3 Crore."	
76.	6.22	41	Technical Evaluation Criteria	Data Center Experience	<p>TQ B3 Bidder Experience – Executing Data Center Project</p> <p>Relevant experience of Sole bidder / Bidder (Any member in case of Consortium as per R&amp;R defined in Consortium Agreement) in creation of Datacenter/ Data Center Infrastructure in State Govt./Central Govt./ULB/ Public Sector Units(PSU) in India in past 7 years having minimum project value of Rs. 3 Crore.</p> <p>Each Project: 2.5 marks   Maximum Projects: 2</p> <p>Bidder is required to submit :</p> <ul style="list-style-type: none"> <li>• Copy of Work Order/ Contract</li> <li>• Copy of completion certificate issued by client</li> </ul> <p>Note:</p> <p>1. In-house projects for own or group companies shall not be considered for above criteria. Data Center Infrastructure cost should be excluding software license cost</p>	<p>Request to amend as follows:</p> <p>TQ B3 Bidder Experience – Executing Data Center Project</p> <p>Relevant experience of Sole bidder / Bidder (Any member in case of Consortium as per R&amp;R defined in Consortium Agreement) in creation of Datacenter/ Data Center Infrastructure in State Govt./Central Govt./ULB/ Public Sector Units(PSU) in India in past 7 years having minimum project value of Rs. 3 Crore.</p> <p>Each Project: 2.5 marks   Maximum Projects: 2</p> <p>Bidder is required to submit :</p> <ul style="list-style-type: none"> <li>• Copy of Work Order/ Contract</li> <li>• Copy of completion certificate issued by client</li> </ul> <p>OR</p> <p>In case of an ongoing project, the claimed domains/systems must have been integrated or the project must have achieved 80% CAPEX of the respective value in terms of entire project cost. The Certificate to this effect from the client on client's letter head/ CA to be provided.</p> <p>Note:</p> <p>1. In-house projects for own or group companies shall not be considered for above criteria. Data Center Infrastructure cost should be excluding software license cost</p>	No Change. RFP term prevails

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77.	6.22	41	Technical Evaluation Criteria	Executing Data Center Project	Relevant experience of Sole bidder / Bidder (Any member in case of Consortium as per R&R defined in Consortium Agreement) in creation of Datacenter/ Data Center Infrastructure in State Govt./Central Govt./ULB/ Public Sector Units(PSU) in India in past 7 years having minimum project value of Rs. 3 Crore.....	We request to kindly revise the clause as below to remove the conditions " as per R&R defined in Consortium Agreement".  Relevant experience of Sole bidder / Bidder (Any member in case of Consortium <del>as per R&amp;R defined in Consortium Agreement</del> ) in creation of Datacenter/ Data Center Infrastructure in State Govt./Central Govt./ULB/ Public Sector Units(PSU) in India in past 7 years having minimum project value of Rs. 3 Crore.....	No Change. RFP term prevails
78.	6.22	37,38	Technical Evaluation Criteria	Turnover	<b>A. Bidders Financial Competence &amp; Organizational Strength</b>  <b>1. Bidder's Competence – Turnover</b>  Bidder (consortium)/ Sole Bidder jointly should have a minimum average annual turnover of Rs. 100 crore from ICT based business for last three financial years i.e. FY 2019-20,FY 2018-19, 2017-18. In case of consortium, each partner should have minimum average turnover 25 Cr.	<b>Change Request &amp; Justification:</b> Hitachi Vantara India Pvt Ltd, was formed through global restructuring and name change exercise from Hitachi Data Systems, in the Year 2018. Hence the Annual Report for the Financial Year 2017-18 is available for Hitachi Data Systems, while for the FY 2018-19 ans FY 2019-20 is for Hitachi Vantara India Pvt Ltd.  Request you to allow the same for Hitachi Vantara India Pvt Ltd to participate as a Lead Bidder  We have deployed many such safe and smart city projects globally, and this allowance will help us participate in this project and bring in our global experience and expertise towards the benefit of the city.	This may be considered if valid supporting documents are submitted including the name change certificate from ROC.
79.	6.22	39,40	Technical Evaluation Criteria	Executing Command Control Center Project	Experience of Sole Bidder / Bidder (Any member in case of Consortium as per R&R defined in Consortium Agreement) in implementation of Integrated Command & Control Centre (ICCC) /Command Control Center (CCC) in India in last 7	We understand that the department is considering the Ongoing projects experience for the project executed with ICCC application. ICCC application shall be executed only after the completion of ICCC	Please refer to the clause again. It clarifies as below: "In case of an ongoing project, the project must have achieved the respective value in terms of entire project cost and ICCC application Solution

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					years from the date of publishing this RFP (maximum 2 projects)	<p>infrastructure and field devices implementation of the entire project. Anyway as per the criteria, department is considering the projects where it is billed for more than 20 Crore for full marks where it clearly proves that the project is in progress and IT infrastructure and field devices works are initiated and partially completed. So, our requested criteria shall be, "Experience of Sole Bidder / Bidder (Any member in case of Consortium as per R&amp;R defined in Consortium Agreement) in <b>executed/ executing</b> of Integrated Command &amp; Control Centre (ICCC) /Command Control Center (CCC) in India in last 7 years from the date of publishing this RFP (maximum 2 projects). Bidder is required to submit: Bidder is required to submit:</p> <ul style="list-style-type: none"> <li>• Copy of completion certificate/<b>Go-Live</b> issued by client</li> <li>• <b>In case of an ongoing project, the project must have achieved the respective value in terms of entire project cost.</b> The Certificate to this effect from the client on client's letter head/ <b>CA certificate mentioning the value received to be provided.</b></li> <li>• Copy of Work order / Contract/ Work in progress certificate from client for ongoing project</li> </ul> <p><b>Out of two project submitted, one project should be Go-Live</b></p>	<p>component respectively from financial perspective. The Certificate to this effect from the client on client's letter head to be provided"</p> <p>If Go-Live certificate is to be submitted, the same must clearly specify the information that help ascertain the compliance to the respective evaluation criteria in terms of domains integrated / value in terms of entire project cost and ICCC application Solution component respectively from financial perspective.</p>
80.	6.22	40,41	Technical Evaluation Criteria	Executing Command Control Center Application	<p>1. Adaptive/Intelligent Traffic Control System (ATCS Signals with or without ANPR, RLVD, Wrong side, Speed detection, etc.)                  2. Intelligent Transit Management System                  3. SCADA System for drinking Water Treatment</p>	<p>We understand that the department is considering the Ongoing projects experience for the project executed with ICCC application. ICCC application shall be executed only after the completion of ICCC</p>	<p>Please refer to the clause again. It clarifies as below:</p> <p>"In case of an ongoing project, the claimed domains/systems must have been integrated.</p>

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					Plant / Water Distribution Plant 4. SCADA System for Sewage Treatment Plant / Sewage Pumping Station 5. Solid Waste Management 6. Grievance Redressal System 7. CCTV/ Surveillance Network with minimum 50 cameras (Excluding Camera considered under Point 1) 8. Smart Street Lighting System to monitor and control on/off and timer controller, etc. 9. Revenue Collection Systems (Property Tax, Water Meter Billing, Other Utility Meter Reading, AFCS etc.) 10. Electricity SCADA for utility or power generation company 11. Network monitoring for large scale WiFi service / dedicated OFC network 12. Sensor based Smart Parking	infrastructure and field devices implementation of the entire project. Anyway as per the criteria, department is considering the projects where it is billed for more than 20 Crore for full marks where it clearly proves that the project is in progress and IT infrastructure and field devices works are initiated and partially completed. So, our requested criteria shall be, " Experience of Sole Bidder / Bidder (Any member in case of Consortium as per R&R defined in Consortium Agreement) in <b>executed/ executing</b> of ICCC Solution integrating domains/systems in the last seven (7) years (maximum 2 projects) in India. Bidder is required to submit: <b>Bidder is required to submit:</b> <ul style="list-style-type: none"> <li>• <b>Copy of completion certificate/Go-Live issued by client</b></li> <li>• <b>In case of an ongoing project, the project must have achieved the respective value in terms of entire project cost. The Certificate to this effect from the client on client's letter head/ CA certificate mentioning the value received to be provided.</b></li> <li>• <b>Copy of Work order / Contract/ Work in progress certificate from client for ongoing project</b></li> </ul> <b>Out of two project submitted, one project should be Go-Live"</b>	The Certificate to this effect from the client on client's letter head to be provided."  If Go-Live certificate is to be submitted, the same must clearly specify the information that help ascertain the compliance to the respective evaluation criteria in terms of domains integrated / value in terms of entire project cost and ICCC application Solution component respectively from financial perspective.
81.	6.25	43	Instructions to Bidder	Notifications of Award and Signing of Contract	It is to be noted that the date of commencement of the project and all contractual obligations shall commence from the date of issuance of Purchase Order/Letter of Intent (LoI), whichever is earlier. All reference timelines as regards the execution of the project and the payments to the System Integrator	1) Effective date should start after fulfilling following conditions, (i) Signing of Contract Agreement between Employer and Contractor  2) In case the effective date is not	No Change. RFP term prevails

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					shall be considered as beginning from the date of issuance of the Purchase Order/Letter of Acceptance, whichever is earlier	commenced within 2 months from the Employer LOA date due to reasons not attributable to the Contractor, the parties shall discuss and agree on an equitable adjustment to the contract price & the time for completion and/or other relevant conditions of the order.	
82.	6.27	43	Instructions to Bidder	Quantity Variation	The quantity defined in the RFP are estimated and the actual quantity will be executed based on the actual site survey by the selected bidder at the time of project implementation. The quoted rate will remain firm and same for such variation in quantity. The successful bidder shall not object to the upward or downward variation in quantities (including locations).	Variation of +/-10% of individual items limited to +/-5% of contract value shall be acceptable. Any variation beyond this shall call for re-negotiation & mutual agreement on the item price	No Change. RFP term prevails
83.	6.28	44	Instructions to Bidder	PBG	PBG extension charges if any if project gets extended due reasons not attributable to contractor shall be paid by Employer The successful bidder shall maintain a valid and binding Performance Guarantee for a period of six months after the expiry of the Contract Period ("Validity Period").	We request you to please reimburse PBG extension charges (if any), if project gets extended due reasons not attributable to SI.	No Change. RFP term prevails
84.	6.28	44	Instructions to Bidder	PBG	This Performance Bank Guarantee will be for an amount equivalent to 10% of contract value. All charges whatsoever such as premium, commission, etc. with respect to the Performance Bank Guarantee shall be borne by the bidder.	The Performance Bank Guarantee shall be separate for Capex and Opex Value. Capex bank guarantee shall be considered from Go Live date + 3 Months and Opex Bank Guarantee shall start from Go live date till Contract completion date + 3 Months	No Change. RFP term prevails
85.	6.28	44	Instructions to Bidder	PBG	The successful bidder shall maintain a valid and binding Performance Guarantee for a period of six months after the expiry of the Contract Period ("Validity Period").	Request you to confirm whether initially we can provide Performance security up to period of 3.5 years along with the letter mentioning that New PBG will be issued for future required period before expiring this BG	No Change. RFP term prevails



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86.	6.6	28	Instructions to Bidder	Consortium Conditions	In case of consortium, the responsibility of implementation of ICCC Solution and use cases will lie with the consortium partner whose project experience is considered for evaluation and mentioned in R&R (Roles & Responsibilities) defined in Consortium Agreement.	Requesting SSCDL to remove this clause, as this is not a general practise found in Indian smart city tenders, and will discourage the participation of bidders. Kindly remove the application of this clause to the below criterias in RFP to increase the participation.  Pre-Qualification Criteria - S. No 4 & 5 Technical Evaluation Criteria - S. No. B1, B2 and B3	No Change. RFP term prevails
87.	7.2	48	Service Level Agreements (SLA)	SLA	Total liquidated damages to be levied on the SI shall be capped at 10% of the total contract value. However, SSCDL would have right to invoke termination of the contract in case the overall liquidated damages equals 10% of total contract value.	Request to amend as follows: Total liquidated damages to be levied on the SI shall be capped at 10% of the total Opex value for O&M. However, SSCDL would have right to invoke termination of the contract in case the overall liquidated damages equals 10% of total contract value more than 3 times.	No Change. RFP term prevails
88.	7.3	48	Service Level Agreements (SLA)	SLA	Measurement of SLA	1. Request to please clarify on the Liquidated damages and Penalty. 2. We request you to consider for delay in delivery due to reasons not attributable to the contractor shall lead to extension of time without levy of liquidated damages and additional cost incurred to be reimbursed to the contractor. 3. We request you to consider the following: (i) LD shall be applicable only if the Contractor fails to deliver/perform due to reasons solely attributable to the Contractor (ii) LD should be levied only if delay analysis is signed off between Employer and Contractor (iii) Any GST liability on LD deducted by	No Change. RFP term prevails

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						Customer after mutual agreement with Supplier, shall be to the Employer's account	
89.	7.4	51	Service Level Agreements (SLA)	SLA	For every security breach reported and proved, there shall be a penalty of INR 2,00,000/- or lead to termination of contract	Request to amend as follows: For every security breach reported and proved, there shall be a penalty of INR 1,00,000/- <del>or lead to termination of contract</del>	No Change. RFP term prevails
90.	7.4	52	Service Level Agreements (SLA)	SLA	25% of deduction amount as penalty for delay upto one month	Request to amend as follows: 25% of deduction amount as penalty for delay upto one month. Please specify 25 % of daily deduction amount or monthly.	25% of deduction amount (deduction per resource/day as specified in Clause No. 7.5, Point No. 10) as penalty will be made applicable for the no. of days for which the resource in respective role is not available.
91.	7.5	51	Service Level Agreements (SLA)	SLA	7.5 Breach in supply of Onsite Manpower 1. All persons deputed shall be on the payroll of the Bidder's organization.	Request to allow as follows: 7.5 Breach in supply of Onsite Manpower 1. All persons deputed shall be on the payroll of the Bidder's/ consortium partner's/ OEM's organization.	Please refer to the Addendum & Corrigendum 2
92.	8.1	54	Project Milestone and Payment Schedules	Project Milestone	Video wall solution for 1st Floor Video wall solution for 3rd Floor	Request you to provide the layouts of both floors for clearer work understanding	Please refer to the Building drawings which has been uploaded with the RFP for required information
93.	8.1	54	Project Milestone and Payment Schedules	Project Milestone	Timeline of deliverable	The Go Live and operational phase shall be considered on pro-rated basis.	Query not clear
94.	8.1	54	Project Milestone and Payment Schedules	Project Milestone	SITC of ICCC Application for 25 use cases	We request to please provide the list of use cases, OEM's of application / devices implemented for each of use case. We understand authority will provide API / SDK from respective OEM's for such integration. Please s	Necessary details will be shared with the successful bidder.

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95.	8.1	54	Project Milestone and Payment Schedules	Project Milestone	SITC of ICCC Application for 25 use cases	Please provide data rate and size from each of use case and data retention plan on ICCC server. This is important factor to calculate the server sizing ( Compute and storage)	The storage sizing is already defined and the tentative use cases pertaining to ULB are also defined in 14.5. The exact integration requirement will be finalised at the time of implementation.
96.	8.2	54	Project Milestone and Payment Schedules	Payment Schedule	Payment Schedule	We request authorities to please consider following payment terms: 1. We request the authority to kindly pay the advance of 10% of project capex against project agreement signing. 2. Please confirm that the payments shall be released within 30 days of Invoice submission to Authority. (3)Payment Milestone: Advance: 10% of total contract value. Supply: 50% of total contract value. I&C: 15% of total contract value. Go Live: 10% of total contract value.	No Change. RFP term prevails
97.	8.2	55	Project Milestone and Payment Schedules	Payment Schedule	Supply 40.0% - Inst 20.0% - Go live 25.0% - 1st year 5.0% - 2nd year 2.5% - 3rd year 2.5%, - 4th year 2.5% , - 5th year 2.5% Support Cost will be paid by Quarterly till next 5 years (additional warranty etc) 4th and 5th year quarterly basis	Go-Live can get impacted due to reasons external to the bidder/SI and hence we request you to de-link or minimize the component towards bid-desk. Support cost (we assume, this is a warranty cost), is supposed to be paid by SI/Bidder to the OEM upfront and hence we request you to club this with supply.  Proposed Payment: Supply: 60% Installation:25% Go-Live:15%	No Change. RFP term prevails
98.	8.2	55	Project Milestone and Payment Schedules	Payment Schedule	1. Satisfactory delivery and acceptance of materials (as per the 40% of total CAPEX of Request Order) and after submission of the invoice. Request order 2. Satisfactory competition of Installation of	As per current paymen term 85% of capex paymen is receivable on go live, rest 15% of capex payment is being released during operation phase. We request to relook the payment term and 15% of Capex payment	No Change. RFP term prevails

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					respective items/ 20% of total CAPEX of equipment and after, submission of the invoice. Request order 3. UAT and Go Live of entire RO (Testing and Commissioning) 25% of total CAPEX of Request order 4. Successful completion of 1st year after Project "Go Live" 5% of total CAPEX of Request order 5. Successful completion of 2nd year after Project "Go Live" 2.5% of total CAPEX of Request order 6. Successful completion of 3rd year after Project "Go Live" 2.5% of total CAPEX of Request order 7. Successful completion of 4th year after Project "Go Live" 2.5% of total CAPEX of Request order 8. Successful completion of 5th year after Project "Go Live" 2.5% of total CAPEX of Request order	shall be released on Go live of respective request order.	
99.	8.2	55	Project Milestone and Payment Schedules	Payment Schedule	Satisfactory delivery and acceptance of materials (as per the Request Order) and after submission of the invoice - 40% of total CAPEX of Request order Satisfactory completion of Installation of respective items/ equipment and after, submission of the invoice. - 20% of total CAPEX of Request order UAT and Go Live of entire RO (Testing and Commissioning) - 25% of total CAPEX of Request order Successful completion of 1st year after Project "Go Live" - 5% of total CAPEX of Request order Successful completion of 2nd year after Project "Go Live" - 2.5% of total CAPEX of Request order Successful completion of 3rd year after Project "Go Live" - 2.5% of total CAPEX of Request order Successful completion of 4th year after Project "Go Live" - 2.5% of total CAPEX of Request order Successful completion of 5th year after Project "Go Live" - 2.5% of total CAPEX of Request order	Request you to provide the capex payment during the capex cycle to make the project cash flow viable for the system integrator as per below -  Satisfactory delivery and acceptance of materials (as per the Request Order) and after submission of the invoice - 40% of total CAPEX of Request order Satisfactory completion of Installation of respective items/ equipment and after, submission of the invoice. - 30% of total CAPEX of Request order UAT and Go Live of entire RO (Testing and Commissioning) - 30% of total CAPEX of Request order	No Change. RFP term prevails

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100.	8.2	55	Project Milestone and Payment Schedules	Payment Schedule	<p># Milestone Payment</p> <p>1. Satisfactory delivery and acceptance of materials (as per the Request Order) and after submission of the invoice. 40% of total CAPEX of Request order</p> <p>2. Satisfactory completion of Installation of respective items/ equipment and after, submission of the invoice. 20% of total CAPEX of Request order</p> <p>3. UAT and Go Live of entire RO (Testing and Commissioning)-25% of total CAPEX of Request order</p> <p>4. Successful completion of 1st year after Project "Go Live"-5% of total CAPEX of Request order</p> <p>5. Successful completion of 2nd year after Project "Go Live"-2.5% of total CAPEX of Request order</p> <p>6. Successful completion of 3rd year after Project "Go Live"-2.5% of total CAPEX of Request order</p> <p>7. Successful completion of 4th year after Project "Go Live"-2.5% of total CAPEX of Request order</p> <p>8. Successful completion of 5th year after Project "Go Live"-2.5% of total CAPEX of Request order</p> <p>9. i. The contract period of 5 years are considered from the Go-Live date of 1st Request Order. The payment of subsequent Request Orders will be made from the Go-Live date of that request order till the completion of warranty period i.e. 3 years or 5 years as mentioned in PQ_11. ii. The Support cost for ICCC application projected by SI in their commercial bid will be made equally on quarterly basis (20 quarters) at completion of each quarter after Project "Go Live". However, other OPEX projected by SI in their commercial bid will be made equally on quarterly basis for 4th and 5th Year (8 quarters) at completion of each quarter. iii. The payments are subject to meeting of SLA's failing which the appropriate deductions as mentioned in the SLA section of this RFP will be made applicable.</p>	<p>Request you to please update payment terms as follow which will help bidder for proper cash flow.</p> <p># Milestone Payment</p> <p>1. Satisfactory delivery and acceptance of materials (as per the Request Order) and after submission of the invoice.-80 % of total CAPEX of Request order</p> <p>2. Satisfactory completion of Installation of respective items/ equipment and after, submission of the invoice.-5% of total CAPEX of Request order</p> <p>3. UAT and Go Live of entire RO (Testing and Commissioning)-5% of total CAPEX of Request order</p> <p>4. Successful completion of 1st year after Project "Go Live"-2% of total CAPEX of Request order-</p> <p>5. Successful completion of 2nd year after Project "Go Live"-2% of total CAPEX of Request order</p> <p>6. Successful completion of 3rd year after Project "Go Live"-2% of total CAPEX of Request order</p> <p>7. Successful completion of 4th year after Project "Go Live"-2% of total CAPEX of Request order</p> <p>8. Successful completion of 5th year after Project "Go Live"-2% of total CAPEX of Request order</p> <p>9. i. The contract period of 5 years are considered from the Go-Live date of 1st Request Order. The payment of subsequent Request Orders will be made from the Go-Live date of that request order till the completion of warranty period i.e. 3 years or 5 years as mentioned in PQ_11.</p> <p>ii. The Support cost for ICCC application</p>	No Change. RFP term prevails

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						<p>projected by SI in their commercial bid will be made equally on quarterly basis (20 quarters) at completion of each quarter after Project "Go Live". However, other OPEX projected by SI in their commercial bid will be made equally on quarterly basis for 4th and 5th Year (8 quarters) at completion of each quarter.</p> <p>iii. The payments are subject to meeting of SLA's failing which the appropriate deductions as mentioned in the SLA section of this RFP will be made applicable.</p>	
101.	8.2	55	Project Milestone and Payment Schedules	Payment Schedule	8.2 Payment Schedule	<p>Please provide capex-opex ratio</p> <p>Please release all CAPEX related payment after Go-Live &amp; OPEX can paid in quarterly installment over the period of 5 years.</p>	No Change. RFP term prevails
102.	8.2	55	Project Milestone and Payment Schedules	Payment Schedule	8.2 Payment Schedule	<p>Request to amend payment terms as follows:</p> <p>8.2 Payment Schedule</p> <p># Milestone</p> <p>Payment</p> <p>1 Submission of Engineering Docs, Design and Drawings 10% of Total CAPEX of Request Order</p> <p>2 Satisfactory delivery and acceptance of materials (as per the Request Order) and after submission of the invoice. 60% of total CAPEX of Request order</p> <p>3 Satisfactory competition of Installation of respective items/ equipment and after, submission of the invoice. 15% of total CAPEX of Request order</p> <p>4 UAT and Go Live of entire RO (Testing and Commissioning) 15% of total CAPEX of Request order</p>	No Change. RFP term prevails

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						<p>CAP for UAT - In case UAT delayed by customer and reason is not attributable to Honeywell customer will release payment within 30 days from the date of invoice ( bill related to UAT)</p> <p>CAP for Go live - In case Go Live delayed by customer and reason is not attributable to Honeywell customer will release payment within 30 days from the date of invoice.( Bill related to Go Live )</p>	
103.	9	56	General Instructions on Preparation of Technical Proposal	Supporting Documents	General Instructions on Preparation of Technical Proposal	We understand compliances to be submitted on Bidder's letterhead signed by authorized signatory/ OEM's letterhead & MAF from OEM on OEM's letterhead instead of notarized, please confirm	The documents are required to be submitted in original ( duly signed and stamped from authorized signatory ) if not submitted in original, the notarized copy of the same is to be submitted.
104.	10.12	83	Format for Specifying the Make & Model	S1. ICCC Software	S1. ICCC SOFTWARE WITH PERPETUAL LICENSES AND UNLIMITED SENSORS ( WITH 5 YEARS OF ATS FROM THE DATE OF GOLIVE)	In RFP , Unlimited sensors mentioned in terms of software license platform, However for bandwidth, server and storage sizing as well as for effort estimation it is essential to have definite number and type of sensors. Please provide exact list with numbers. Also, please define third party system if any needs to be integrated. With clear scope of integration. The current RFP does not talk about Integration scope, methodology, systems.	Please refer to Addendum & Corrigendum 2 for no of cocurrent users for sizing requirements
105.	13.17	131	Annexure I: Detailed Scope of Work and Considerations	Guiding Architecture Principle	7.Security <ul style="list-style-type: none"> <li>• Authentication, Authorization &amp; Access Control:</li> </ul>	Request you to confirm how many SSL VPN users are going to connect. How many Total VPN users:? How many Concurrent VPN users:? How many Max access sessions?	Query not clear

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106.	13.17	133	Annexure I: Detailed Scope of Work and Considerations	Guiding Architecture Principle	<p>• <b>Mobile Application Platform</b></p> <ul style="list-style-type: none"> <li>- Application platform should support the following smart phone mobile OS (Android 4.0 and above, iOS 4, 5 and above, Windows Phone OS 8.0 and above, Mobile Web App)</li> <li>- Support the target packaging components like (Mobile Website, Hybrid App, Native App, Web App and Application Development, Eclipse tooling platforms)</li> <li>- Support the ability to write code once and deploy on multiple mobile operating systems</li> <li>- Support integration with native device API</li> <li>- Support utilization of all native device features</li> <li>- Support development of applications in a common programming language</li> <li>- Support integration with mobile vendor SDKs for app development and testing</li> <li>- Support HTML5, CSS3, JS features for smartphone devices</li> <li>- Support common protocol adapters for connection to back office systems (i.e. HTTP, HTTPS, SOAP, XML for format)</li> <li>- Support JSON to XML or provide XHTML message transformations</li> <li>- Support multi-lingual and language internalization</li> <li>- Support encrypted messaging between server and client components</li> </ul>	<p>Looking toward your architecture you have extensive use of the IOT devices in this project which requires mobile apps to install on IOT devices to communicate with application servers. In addition Anit-BOT management is also a big challenge.</p> <p><b>Since there is no technical specification mentioned for Mobile SDK and found missing in the RFP. Request you to consider the same in the RFP .</b></p> <p>Mobile software development kits (mobile SDK) provide a set of software development tools that allow for a wide range of varied mobile apps for smartphones and tablets.</p> <p>App creators are able to tap into the robust features of the SDK without needing coding expertise and extensive software development skills.</p> <p>There are millions of apps populating the Google Play and App Store markets, making it essential that developers find an SDK equipped with the features needed to make a robust mobile app.</p> <p><b>I would request customer to include more advance protection feature which will protect from advance attack trends.</b></p> <p><b>Minimum specification / changes required are as below:</b></p> <p>1. The proposed solution must provide protection against attacks designed to abuse the application functionality. the solution must offer visibility into synthetic</p>	No Change. RFP term prevails



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						traffic ornated by bots and legit human traffic. SI must design and size the solution for both web and mobile based application using mobile SDK.	
107.	13.17	136	Annexure I: Detailed Scope of Work and Considerations	Guiding Architecture Principle	Social Media Apps and NoSQL data stores to exchange photos, videos and message feeds, based on interactions with Citizens and Business as well as comments/posts to inform stakeholders	Does the ICCC have to integrate to any social media channel? If yes, Please define how many social media channels (Eg: FB, Whatapp, Twitter) to be integrated. Each of the social media channels have their own business API. We need to factor the cost and design based on integration to each social media channel.	Bidder to consider popular social media channels like Facebook, Twitter, YouTube, WhatsApp and Instagram.
108.	13.17	137	Annexure I: Detailed Scope of Work and Considerations	Guiding Architecture Principle	An enterprise service bus (ESB) is a software architecture model used for designing and implementing the interaction and communication between mutually interacting software applications in Service Oriented Architecture.	Section describes application of ESB with ICCC platform. There is no specific lineitem of ESB provided. Kindly confirm either ESB is to be used as interface for all integration with ICCC OR point-to-point integration with subsystems is acceptable. We would seek to explictly seek the MAF and component for ESB . This is to avoid deviation in the proposed architetcure. Else the solution with inbuilt partial featured solutions can not be avoided.	No Change. RFP term prevails
109.	13.17	139	Annexure I: Detailed Scope of Work and Considerations	Guiding Architecture Principle	In case of cloud deployment, cloud services can be disrupted by DDoS attacks or misconfiguration errors which have the potential to cascade across the cloud and disrupt the network, systems and storage hosting the cloud application.	Kindly confirm can bidder porpose the Cloud based hosting service for Surat ICCC requirement on the MeitY Empanled cloud ?	No. The hosting should be in SMC/SSCDL datacenter
110.	13.17	139	Annexure I: Detailed Scope of Work and Considerations	Guiding Architecture Principle	15. Infrastructure Security	Please confirm that bidder will supply as per BOQ only	SI is responsible for sizing and procuring the necessary hardware and software licenses as per the performance/scope requirements provided in the RFP. During the contract period SI shall replace or augment or procure higher-level new equipment or additional licenses/hardware at no additional cost to the SSCDL/SMC in case the

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							procured hardware or software is not enough or is undersized to meet the service levels and the project requirements without any additional cost to SSCDL/SMC
111.	13.17	140	Annexure I: Detailed Scope of Work and Considerations	Guiding Architecture Principle	15. Infrastructure Security <ul style="list-style-type: none"> <li>In case of cloud deployment, <b>cloud services</b> can be disrupted by DDoS attacks or misconfiguration errors which have the potential to cascade across the cloud and disrupt the network, systems and storage hosting the cloud application.</li> </ul>	In the RFP, we found the keyword of the cloud looks like optional/secondary. <b>Assuming you are considering the DR as Cloud for ICCC architecture. Please confirm.</b>  We have seen major federal government are moving fully/partially to cloud i.e.: DC on prem and DR on Cloud or DC and DR both on cloud. Government organizations are redefining their businesses to deliver improved citizen services. Many agencies support their mission-critical operations with agile and innovative cloud deployment that incorporate mobile, social and analytics technologies.	No Change. RFP term prevails. DR is not in the scope of this RFP
112.	13.6	112	Site Preparation for Data Center	Civil Work	Procurement, Supply, Installation and Commissioning of IT and non IT infrastructure at ICCC	In the Referred RFP document, one of the important aspects has been overlooked i.e control room design & supply as per International ergonomic, safety norms. It is requested to refer the below information to ensure that the project/city get world class control room in line to International norms. <b>Control Room is considered to be heart of any Operation, So any kind of "BASIC CONTROL ROOM NORMS" shall not suffice the quality, safety, functionality &amp; durability requirement. hence it is recommended to use the below certificates and details so that the project get world class control Room in line to international norms.</b>  1. Scope of Work: The scope of the project	No Change. RFP term prevails

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						<p>includes designing; engineering, supply &amp; installation of 24X7 mission critical Control Centre Interiors. Being a project of National repute this state-of-the-art facility &amp; all its components like ceiling, flooring, panelling, Glass partitions, Control desks, ceiling light &amp; luminaire's electrical etc. must look integrated and therefore it shall be treated as a part of one single solution i.e. Control Room Interior Solution. To ensure an integrated solution, to qualify as per the international control room design &amp; safety norms; main bidder shall bring one single professional Control Room Interior Solution Provider on board with an experience of designing, manufacturing and installing at least twenty control rooms interiors (ceiling, flooring, wall cladding, illumination) along with control desks. These twenty control room packages must include control rooms for at least three Smart City Projects. Corresponding purchase orders/work orders and their appreciation/completion letters to be submitted along with the bid. It is mandatory for the main bidder that the control room interior solution provider supplies &amp; executes all the activities like ceiling, flooring, control desks, panelling, partitions &amp; illumination to avoid interface &amp; quality related issues.</p> <p>2. The critical components of the control room i.e. designer metal ceiling, carpet/laminated flooring, modular metal wall panelling/partitions must not emit formaldehydes, TVOC, Aldehydes beyond permissible limits i.e. 9 µg/m<sup>3</sup>, 0.22 mg/m<sup>3</sup>, 0.043 ppm respectively. This is to ensure healthier air quality for the operators.</p>	

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						<p>Therefore, the control room interior shall be Greenguard Gold Certified (Modular Metal Ceiling, Flooring &amp; Modular Metal wall panelling) from UL/Intertek. Valid certificate needs to be submitted within seven days from the date of purchase order.</p> <p>3. The Console (open plan) must not emit TVOC(A), Formaldehyde, Total Aldehydes(B), 4-Phenylcyclohexene, 1-Methyl-2-pyrrolidinone(C) i.e. 152 µg/m<sup>2</sup>*hr, 6.2 µg/m<sup>2</sup>*hr, 1.2 µmol/m<sup>2</sup>*hr, 4.5 µg/m<sup>2</sup>*hr, 110 µg/m<sup>2</sup>*hr respectively. This is to ensure healthier air quality for the operators. Therefore, the Proposed console must be Greenguard Gold certified. Control Room Interior Solution Provider must have had this certificate for at-least two years prior to April 1st, 2020. Valid certificate needs to be submitted within seven days from the date of purchase order.</p> <p>4. Wood, Gypsum, Aluminum Composite Panels, Laminates, Fabric and Paint are prone to damages &amp; ageing. These components shall not be used to ensure maintenance free working environment. Control Room Interior Solution Provider to submit an undertaking on letterhead to comply the same.</p>	
113.	13.6	112	Site Preparation for Data Center	Civil Work	Suggestion	<p><b><u>Partitions &amp; Panelling</u></b></p> <p>The <b><u>work environment plays a vital role</u></b> in the operations of a control room as <b><u>aesthetically superior environment enhances the performance. An aesthetically superior environment</u></b> not only adds substance to the surroundings <b><u>but also to the <u>conduct and the body language</u></u></b></p>	No Change. RFP term prevails

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						<p>of the individuals working into it.</p> <p><b>To Ensure quality in the final product i.e Wall Partition/Wall Paneling it is recommended to mentioned below information:-</b></p> <p>1. <b>Modular Panelling</b> - Factory made removable type self inter lockable metal panels with front sheet of Preformed Textured Hot dip galvanized sheet with rigid polyvinylchloride (PVC) film on one side and on the other side a coating to avoid rust (sheet thickness 0.6mm &amp; PVC Coating atleast 0.11mm). The metal wall Panelling and Partitions surface finish shall be made up of EN ISO 11925-2, EN 13823 certified material.</p> <p>2. <b>Safety</b> - Seismic safety of user &amp; control room equipment is a prime concern area. The metal panelling must sustain the seismic vibrations as per design spectrum IS 1893 for zone 4 vibrations. The test must be carried out by authorized government agency. Test Report to be submitted along with the technical bid.</p> <p>3. <b>Load Bearing Capacity</b> - The wall panelling should be robust &amp; strong enough to sustain the routine loads/minor impacts of typical control room environment. The wall panelling/partition structure shall have UL Audit Certified feature of Load bearing capacity of 300 Kgs to hold any display unit on clamp having minimum length of 750mm. Valid UL audit Certificate to be submitted along with the technical bid.</p> <p>4. <b>Easy Replacement</b> - UL Audit Certified feature of Modular wall Paneling tile having secure locking arrangement for equidistant</p>	

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						<p>mounting. Locking arrangement enables easy replacement without using any tool within 20 seconds. The feature shall provide easy flexibility of locking all tiles in one column through gravity. Valid UL audit Certificate to be submitted along with the technical bid.</p> <p><b>5. Sound transmission class (STC)</b> To provide acoustically superior environment and ensure proper attenuation of airborne sound, it is necessary that the sound transmission class (STC) value of wall panelling and partition should be 35 (According to IS: 9901 (Part III) – 1981, DIN 52210 Part IV- 1984, ISO: 140(Part III) -1995, test report to be submitted along with the technical bid.</p> <p><b>6. Environmental Concern</b> - To ensure restriction of hazardous substances; so that the final product does not contaminate the environment and we give a healthy life to our coming generations it is necessary that the modular metal panelling and modular metal ceiling shall be RoHS certified (from UL / Intertek). Valid Certificate to be submitted along with the technical bid.</p> <p><b>7. Fire Safety</b> - It is well known that metal is resistant to fire as compared to wood &amp; fabric. However, from fire and safety point of view, to ensure that the used material is not subjected to any kind of surface treatment which provokes fire. The proposed wall panelling tiles should be Class A certified 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</p>	

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						interiors do not provoke fire. Certificate to be submitted along with the technical bid.	
114.	13.6	112	Site Preparation for Data Center	Civil Work	Suggestion	<p><b><u>Control Desk is one of the most important aspect of control room because from these stations any kind of operation &amp; monitoring shall be done. The console furniture must be designed to ensure fatigue free operations even if the operators work for more than 10-12 hours. To ensure quality in the final product i.e Control Desk it is recommended to use below mentioned information and necessary documents, test certificates shall be submitted along with the bid.</u></b></p> <p><b>1. Table-top:</b> - The material of the working surface should be minimum 25 mm thick MDF with High Pressure ANSI/NEMA LD3 certified scratch-resistant Laminate. The proposed console's life cycle should be assessed (from approved LCA consultant) for environmental impacts associated with all the stages of a product's life for cradle to grave analysis. Valid documents to be submitted along with the bid.</p> <p><b>2. Structure Stability :-</b> Made of heavy duty extruded vertical and horizontal aluminium profiles of HE9WP grade. The Extrusions shall be duly powder coated with 40+ micron over all surfaces. All sheet metal parts must be finished with a durable, black, electrostatic powder coating. Control Room Interior Solution Provider must be FSC certified. Control Room Interior Solution Provider must have had this certificate for at-least four years prior to April 1st, 2020. The structure shall allow easy assembly of shutters, slat wall, gland plate, and monitor</p>	No Change. RFP term prevails

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						<p>arms in extremely rigid manner.</p> <p><b>3. Maintainability Feature-</b> UL Certified design feature of High-density Poly Urethane Foam moulded on industrial grade aluminium core to form 50mm deep tapered edge to be installed on worktop. The Edge shall be mechanically replaceable within 30 minutes in case of damage or wear without opening or removing the worktop. Valid Certificate to be enclosed along with the bid.</p> <p><b>4. Quality &amp; Durability</b> - The proposed console must be UL Listed product. Valid certificate to be enclosed with the bid. The Control Room Turnkey Solution Provider should have Valid trademark registration certificate issued by the Government of India for the console offered in the Tender. This is to ensure that the offered product is an engineered solution.</p> <p><b>5. Environmental Concern :-</b> The Control Room Turnkey Solution Provider must be FSC Certified company for past Four years. Valid certificate to be enclosed with the bid.</p> <p><b>6. Operator's Health</b> - The entire console must be Greenguard gold certified from last two years prior to April 1st 2020. Valid certificate to be enclosed with the bid.</p> <p><b>7. Up gradation</b> - For quick &amp; easy installation , maintenance and retrofitting it is recommended to define the Monitor Arm Assembly as mentioned below:-                      UL certified design feature of Monitor Arm Assembly shall have auto-lock, push &amp; add/remove die-cast aluminium extendible arms of 150mm each with tool less addition/deletion feature to cater future requirements. Tool less addition / deletion</p>	



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						<p>in less than a minute. Valid UL audit certificate to be enclosed along with the bid.</p> <p><b>8. Quick &amp; Easy Maintenance</b> - UL certified design feature of monitor arm assembly shall have auto lock, push &amp; 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.</p> <p>9) The interior supplier designs the illumination in a way that the touch screen on supervisor's control desk shall control the integrated illumination strip (RGB colors). The Illumination color shall be controlled for different scenario like blue for VIP visit, green for Normal Operations and red for emergency, further customizations etc</p> <p>10) Dynamic Touch Screen: - The supervisor/Central Operator desk shall feature a touch screen with inbuilt software to view/control below parameters:</p> <p>a. Every desktop shall have inbuilt illuminated indication on the work-surface which shall be connected with phone calls, messaging etc. This indication will turn to red if the operator is busy on a call, turn to blue if the call is disconnected.</p> <p>b. Provide live data of Humidity &amp; temperature of the control room.</p> <p>c. Provide cabinet temperature of all CPU Cabinets to ensure safe &amp; continuous operations</p>	
115.	13.6	113	Site Preparation	Civil Work	1. False Ceiling The SI shall install the top..	<b>The control room should be aesthetically appealing, functionally superior, acoustically sound, ergonomically</b>	No Change. RFP term prevails

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			for Data Center			<p><b>designed, safe in operations and low in maintenance. So the ceiling specs are designed for providing a state-of-art control room to the customer.</b></p> <p>1. Factory made acoustic modular metal false ceiling of powder coated panels.                  2. Fire Safety: It is well known that metal is resistant to fire as compared to wood &amp; fabric. However, from fire and safety point of view, to ensure that the used material is not subjected to any kind of surface treatment which provokes fire. The proposed ceiling tiles should be Class A certified 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. Certificate to be submitted along with the technical bid.                  3. RoHS Certified: To ensure restriction of hazardous substances; so that the final product does not contaminate the environment and we give a healthy life to our coming generations it is necessary that the modular metal panelling and modular metal ceiling shall be RoHS certified (from UL / Intertek). Valid Certificate to be submitted along with the technical bid.                  4. Earthquake Safety: Seismic safety of user &amp; control room equipment is a prime concern area. The metal ceiling must sustain the seismic vibrations as per design spectrum IS 1893 for zone 4 vibrations. The test must be carried out by authorized government agency. Test Report to be submitted along with the technical bid.                  5. To avoid dark spots/areas in the control</p>	

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						<p>room it is necessary that continuous linear lights are used across the width/length of the control room. UL audit certified design feature of integrated channel in ceiling for quick installation &amp; replaceability of continuous linear light: The ceiling system having integrated inbuilt channel for installation of cove lights and shall permit quick and easy replacement of cove light without using any tools. Replacement to be carried out within 120 Seconds per meter. Valid UL audit Certificate to be submitted along with the technical bid.</p> <p>6. The Control Room Ceiling shall feature illuminated strip on the periphery. The integrated illumination strip shall have RGB colors. The Illumination color shall be controlled by the supervisor/main control desk to indicate different control room scenarios like blue for VIP visit, green for Normal Operations and red for emergency etc.</p>	
116.	13.6	113	Site Preparation for Data Center	Civil Work	2. Raised Flooring The SI shall be responsible for....	<p><b>False flooring specifications</b> are not defined as per the Control Room Ergonomic &amp; Aesthetic Norms. It is therefore requested to mention the following details:-</p> <p><b>1. False flooring</b> systems shall be provided with calcium silicate floor tiles with acoustic laminate finish on the top. Calcium silicate floors are resistant to fire and acoustic laminate offers wide range of colours and has acoustic property to add ergonomic value to ambience of the control room.</p> <p><b>2. Top finish</b> material shall be bio-degradable, acoustical in nature and must not emit any harmful VOCs, should be durable in nature and resistant to scratches.</p>	No Change. RFP term prevails

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						<p><b>3. Top finish</b> of acoustic Laminate shall reduce impact sound by 14dB (ISO 717-2)). It shall be twinlayer linoleum built up from 2 mm acoustic laminate.</p> <p><b>For Normal Floor following information to be used :-</b> Acoustic flooring :- The decorative flooring shall reduce impact sound by 14dB (ISO 717-2)). It shall be twin-layer linoleum built up from 2 mm acoustic laminate and 2 mm Corkment backing.</p>	
117.	14.1	140	Annexure II-Functional requirements of ICCC Application	License for ICCC Application	The licenses to be procured for ICCC Application should be perpetual and enterprise level with no limit in terms of number of uses cases, domains, IOT devices, integration interfaces etc.	1) Any domains, Use case or integration beyond RFP scope shall be considered as Change Request. Kindly confirm.	<p>Please refer to 13.15.3, Provision for Onsite Support, page no 124 which states as below</p> <p><b>" Minimum Required onsite support:</b> The bidder is required to provide the dedicated onsite team as per the below mentioned table during the support. Necessary backend support must be extended to the onsite team so as to achieve the SLAs and KPIs defined in RFP. Project Manager will be the SPOC for SMC/SSCDL, who intern will coordinate with onsite and offsite team members. The onsite team will also be engaged in development and integration of new use cases upto the extent of 6 user cases per quarter. Necessary backend support must be imparted by SI to the onsite team so that apart from maintaining and managing existing setup the team is able to deliver new development/integration activities. Requirement for additional use case integration over and above will be considered as change request"</p>
118.	14.1	140	Functional and Technical	Objective	The licenses to be procured for ICCC Application should be perpetual and enterprise level with no	Kindly provide maximum number of users/sessions that will access the	Please refer to the Addendum & Corrigendum 2

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			Specification for CCC Software		limit in terms of number of uses cases, domains, IOT devices, integration interfaces etc.	application simultaneously. This will be required to size the Hardware requirement.	
119.	14.1	140	Functional and Technical Specification for CCC Software	Objective	The licenses to be procured for ICCC Application should be perpetual and enterprise level with no limit in terms of number of uses cases, domains, IOT devices, integration interfaces etc.	Please confirm if there should be no limitations in terms of users that can be configured for accessing ICCC application. Licensing should support concurrent user model. Please suggest if other options of licenses like concurrent/Subscription can be provided	Please refer to the Addendum & Corrigendum 2
120.	14.2	141	Annexure II- Functional requirements of ICCC Application	ICCC Software	The solution should be network and protocol agonistic and provide option to connect various domain systems / devices through API's, DB Connectors, Message broker etc. with either read, write or both options. It should connect diverse on premise and/or cloud platform's and makes it easy to exchange data and services between them.	Please confirm, if below understanding is correct and acceptable:  "The data store function shall acquire data both automatically and manually. Automatic data acquisition shall be met through industry-standard data transports. Data Acquisition via Dynamic Data Exchange (DDE) and for Process Control (OPC) along with other proprietary transports shall also be supported.  It should have ability to integrate with subsystems natively, driving unified user interface providing ease of operations and facilitating central control across multiple operations. IT, OT and IoT conversion in Single Platform. This enables integration server to integrate seamlessly with Operational Technology, Information Technology (IT)/ IoT based subsystems. Operational Technology Integration should include inbuilt support for protocols like: OPC (SCADA), BACNET (BMS), MODBUS (Metering & field controller-PLCs/DCS), IEC-60870-5-104, DNP3 etc. Bidder to give undertaking for inbuilt support for above	No Change. RFP term prevails

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#	RFP Section	RFP Page No.	Category	Sub-Category	Content in the RFP Requiring Clarification	Clarification Sought	Clarification by SSCDL
						mentioned OT protocols. IT Application should integrate via ESB (Enterprise Service Bus) Or point to point integration with IT protocols like: Web-services/APIs/MQTT/REST/SOAP (City Surveillance, ITMS, BRTS, GIS), ERP (e-Gov, payment gateway) etc."  <b>(Justification: Request to please consider the support of native protocols in the platform for seamless integrations.)</b>	
121.	14.2	141	Annexure II-Functional requirements of ICCC Application	ICCC Software	CCC Solution (consisting of Application, Database and any other component) must not be restricted by the license terms of the OEM from scaling out on sensors or number of cores or processors or servers or no. of domain systems or use cases, etc. during future expansion.	Kindly removed this clause. Most of OEM will be provide license base software related to sensors. So kindly make it license based software. SMC can provide the number of existing systems QTY to work out this cost.	No Change. RFP term prevails
122.	14.2	141	Annexure II-Functional requirements of ICCC Application	ICCC Software, point no 4	Proposed solution shall be available with complete transparency including operation manuals, help documents and source code for customization.	The Proposed CCC Software is a COTS Product, which will be available with complete transparency including manuals & help documents but providing / sharing the source code is not possible.  We will share the Product Release Note covering the version details and an End User License Agreement as part of the software license delivery. Kindly confirm	No Change. RFP term prevails
123.	14.2	141	Annexure II-Functional requirements of ICCC Application	ICCC Software, point no 5	CCC Solution (consisting of Application, Database and any other component) must not be restricted by the license terms of the OEM from scaling out on sensors or number of cores or processors or servers or no. of domain systems or use cases, etc. during future expansion.	The Overall Solution Design is based on compute, process, storage and additional user licenses to address the scalability factor. Hence, the clause may be modified to:  The proposed CCC Solution by the OEM must support scalability which may include sensors or number of cores or processors or	No Change. RFP term prevails

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#	RFP Section	RFP Page No.	Category	Sub-Category	Content in the RFP Requiring Clarification	Clarification Sought	Clarification by SSCDL
						servers or no. of domain systems or use cases, etc. during future expansion.	
124.	14.2	141	Functional and Technical Specification for CCC Software	Point no 14	Solution should provide web-based, one-stop portals to event information, overall status, and details. The user interface (UI) to present customized information in various preconfigured views in common formats. All information to be displayed through easy-to-use dashboards.	<p>Request to please consider as " Solution should provide Human Machine Interface (HMI) system with support for supervisory and process control, real-time data acquisition, alarm and event management etc. Web based terminal application which includes technologies like RDP over HTML (No software installations are required, application can be accessible from web browser). HMi client should should support Read only OR Read/Write communication for monitoring and control operations.</p> <p>A dashboard application with out control capability will defeat the purpose of such a large investment and request to consider the control capabilities of the platform built in the visualisation layer.</p>	No Change. RFP term prevails
125.	14.2	141	Functional and Technical Specification for CCC Software	Point no 5	CCC Solution (consisting of Application, Database and any other component) must not be restricted by the license terms of the OEM from scaling out on sensors or number of cores or processors or servers or no. of domain systems or use cases, etc. during future expansion.	<p>Please confirm if below is acceptable and in-line with requirement:</p> <p>CCC solution should be fully scalable and does not have limitation for number of application, cores or processor or use cases or no limitations on sensor connectivity via APIs/SDKs to address the future requirement.</p> <p>License terms limits the number of server node, which could be scalable further as per future requirement with some additional cost.</p>	No Change. RFP term prevails

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126.	14.2	142	Functional and Technical Specification for CCC Software	Point no 21	Should support plotting of area of impact using polynomial lines to divide the area into multiple zones on the GIS maps.	Please elaborate the usecase with more details.	The requirement is self explanatory
127.	14.2	142	Functional and Technical Specification for CCC Software	Point no 32	Should provide dashboard filtering capabilities that enable end-users to dynamically filter the data in their dashboard based upon criteria, such as region, dates, product, brands, etc. and capability to drill down to the details	<ul style="list-style-type: none"> <li>• ICCC platform should provide filterable reports and dashboards about critical information pertaining to incidents and KPIs collated in a single view which can be drilled down further for more detailed information. Platform should have inbuilt supervisory capability and should be seamlessly &amp; natively able to monitor, command &amp; control all types of SCADA (Water, Sewage, Energy, BMS)</li> <li>ICCC platform should be able to perform multi-dimensional analysis on incidents data. This should provide capability to do Trends Analysis and provide near real time Stream Analytics , time-shifted or offline analytics on the archived data</li> <li>Reporting: delivers reports based on events triggered by device engine data and external notifications.</li> <li>ICCC platform should have inbuilt historian with advance data retrieval. Platform should have following advance data retrieval modes like: Time-in-stateBest fitCounterMinimum, maximum, averageSlopeTime weighted averageCycle and deltaValue stateInterpolatedIntegralFullRound trip</li> <li>System should be able to handle data coming in from system with mismatched</li> </ul>	No Change. RFP term prevails



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						<p>system clocks, preserving the correct data sequence automatically.</p> <p>ICCC Platform should have inbuilt Historian to capture and store high-fidelity industrial and enterprise data. Historian should high-performance process database capable of storing the huge volumes of data generated. Historian should capable of unite high-speed data acquisition and storage with traditional relational database management.</p> <p>Historian shall have capability to support up to 3M I/O.</p>	
128.	14.2	143	Functional and Technical Specification for CCC Software	29. Inte grated User Specific & Customizable Dashboard	Use of, GIS tool which allows easy map editing for wide area monitoring (Google map, Bing map, ESRI Arc GIS map, etc.).	Kindly clarify whether GIS tool will be provided by the customer/MSI saperately and ICCC needs to integrate with the same? OR ICCC OEM has to provide the GIS plaform along with the solution?	This should be provided by the bidder.  Please refer to the Addendum & Corrigendum 2
129.	14.2	144	Functional and Technical Specification for CCC Software	37. Standard Operations Procedures (SOP)	Command & Control Centre should provide for authoring and invoking un-limited number of configurable and customizable standard operating procedures through graphical, easy to use tooling interface.	Any solution is designed on the basis of finite number of requirement. Hence un-limited number is not practical. Kindly change the clause to "Command & Control Centre should meet the requirement for authoring and invoking of configurable and customizable standard operating procedures through graphical, easy to use tooling interface as per actual."	No Change. RFP term prevails
130.	14.2	145	Functional and Technical Specification for CCC Software	Point no 52	The solution should generate Customized reports based on the area, sensor type or periodic or any other customer reports as per choice of the administrators	The solution should have following reporting facilities : <ul style="list-style-type: none"> <li>• It should publish reports easily to intranet or Internet servers;</li> <li>• It must be possible to customize data queries as per users' inputs;</li> <li>• Integration with and support for Microsoft</li> </ul>	No Change. RFP term prevails

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						Office® via Excel® and Word® add-ins. • Report template version management;	
131.	14.2	148	Annexure II-Functional requirements of ICCC Application	ICCC Software, point no 79	<ul style="list-style-type: none"> <li>• The CCA should be able to combine data from various sources and present it as different views tailored to different operator’s needs.</li> <li>• The CCA should automatically update the information based on alarms and incidents that are presented to it via the business rules engine. The polling and CCA database refresh cycle shall be configurable to match the status of the situation (whether there is an emergency or crisis or just monitoring only).</li> <li>• Common Operational Picture should comprise of a comprehensive view of the incident or a group of related incidents as on a specific date and time which should include but not be limited to the following: <ul style="list-style-type: none"> <li>- Tasks assignment and their status</li> <li>- Agencies involved</li> <li>- Resources deployed</li> <li>- Incident status across relevant parameters of the incident e.g. household affected by a transformer shut down</li> <li>- Timeline view of the situation</li> </ul> </li> </ul> <p>Suggested actions from the system with their status</p>	Please clarify what does "CCA" mean or refer to in this context mentioned in the RFP	CCA - Command Control Center Application
132.	14.2	150	Functional and Technical Specification for CCC Software	Point no 82	GIS Display: Shall view the environment through geospatial or fixed composite computer-generated (JPEG, BMP, AutoCAD, etc.) map	Please elaborate more on environment to be viewed with example.	Please refer to the Addendum & Corrigendum 2
133.	14.2	150	Functional and Technical Specification for CCC Software	Point no 82	GIS Display	Many core GIS capabilities are not asked in the RFP like spatial analysis, prediction analysis, Asset view and info, spatial alerting, geofencing, tracking etc.	Please refer to the Addendum & Corrigendum 2

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134.	14.2	150	Functional and Technical Specification for CCC Software	Point no 82	Should allow user to choose camera and other sensors from map to view live video and the data	The live feed of the camera or sensor would be provided with open standard data \ API for integration to get consumed in to GIS map?	This is standard functionality expected from ICCC solution.
135.	14.2	150	Functional and Technical Specification for CCC Software	Point no 82	Should allow user to choose camera from map to move PTZ cameras	This feature has dependency on Device \Camera capabilities, device\camera should support remote operation and integration.	This is standard functionality expected from ICCC solution.
136.	14.2	151	Functional and Technical Specification for CCC Software	83. Video Display	Video Display	All the pointers mentioned in section 83 pertains to Video management system (VMS) and is a primary job of VMS.  Request you to kindly descope point 83 from ICCC platform's and add it to VMS platform's scope.	No Change. RFP term prevails
137.	14.3	154	Annexure II- Functional requirements of ICCC Application	Mobile App for Field Staff	The ICCC Solution shall have a field level Mobile App with following features for both Android and iOS platform: <ul style="list-style-type: none"> <li>• Assignment of tasks/issues to field staff based on the category, location, department, zone</li> <li>• Field staff should be able to manage and close any task/issues using the App.</li> <li>• The app should have facility to upload a geo-tagged &amp; time-stamped photograph and remarks text, from mobile device.</li> <li>• The Mobile App shall have the facility to view the various dashboard based on user access rights.</li> <li>• Mobile App shall provide push notifications to field staff in parallel to SMS and email.</li> </ul>	Total no. of Workforce License required ?	Please refer to the Addendum & Corrigendum 2
138.	14.5	1,57,158	Functional and Technical Specification	Use Cases	Street light: View on and off street lights on the city map	How the integration is expected due to dependancy, sensor input would be provided through API.	This is standard functionality expected from ICCC solution.

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			for CCC Software				
139.	14.5	1,57,158	Functional and Technical Specification for CCC Software	Use Cases	Map establishments on city map w.r.t. different parameters like employees registered, type of establishment, etc. information asked in use case of 5. Property tax, 6. Shops & Est. Registration, 7. Birth/Death Registration 14. Connectivity etc.	We understand that the parameter information is available and would be provided by authorities /department. Kindly confirm. Or implementing agency to carry out survey for the information?	Necessary details will be shared with the successful bidder and survey activity in this regard is not part of the RFP.
140.	15.1	160	Annexure III- Technical requirements for ICT Components	Video Wall Screen	The Video Wall for CCC shall be configured with 14 x 4 matrix formation of the following Professional Display (TV) Screens of DELTA /BARCO/CHRISTIE/PLANNER/NEC/MITSUBISHI make.	Request to add Samsung in Approve make list	No Change. RFP term prevails
141.	15.1	160	Annexure III- Technical requirements for ICT Components	Video Wall Screen	70" or Higher (14x4 Matrix) Approx Size of the Wall is 71.16 feet width by 11.43 feet Height with Bezel to Bezel gap of less than 1mm. Onscreen brightness Required is 230cd/m2	Request you to considered 55" Videowall panel (18x5 matrix). Approx Size: 72 feet width by 11 feet height with Bezel to bezel gap of 0.88mm and Onscreen brightness of 700 cd/m2. Viewing Angle of 178 Degree Horizonla & Vertical.	No Change. RFP term prevails
142.	15.1	160	Annexure III- Technical requirements for ICT Components	Video Wall Screen , point-1	<b>Technology:</b> DLP Display suitable for use in video wall	Since light source is not mentioned in specifications of video wall. <b>Please change this to:</b> Laser/ LED based DLP Display suitable for use in video wall	Please refer to the Addendum & Corrigendum 2
143.	15.1	160	Annexure III- Technical requirements for ICT Components	Video Wall Screen , point-12	<b>Input:</b> HDMI and other inputs as per Video Wall solution offered	<b>Please change this to Inputs:</b> 1 x HDMI 2.0, 1 x Display port 1.2, and 2x HDMI out <b>Justification:</b> HDMI, DP are latest ports which are being used in the industry now & most OWS also have these as their output ports	No Change. RFP term prevails
144.	15.1	160	Annexure III- Technical requirements	Video Wall Screen , point-13	<b>Control:</b> On Screen Display (OSD) IR remote control (Desirable)	<b>Please change this to :</b> On Screen Display (OSD) IR remote control (Mandatory)	No Change. RFP term prevails

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			for ICT Components			<b>Justification:</b> IR remote is preferred as it is user friendly & easy to operate manually by the operators	
145.	15.1	160	Annexure III- Technical requirements for ICT Components	Video Wall Screen , point-4	<b>Access:</b> Rear Access	<b>Please change this to : Rear access with less than 750mm depth.</b> ( screen to back of cube ) <b>Justification:</b> Space is of utmost importance in control room applications. Making the depth as 750mm will result in a compact solution for customer & help save a lot of space.	No Change. RFP term prevails
146.	15.1	160	Annexure III- Technical requirements for ICT Components	Video Wall Screen , point-6	1920 x 1080 Full high definition (1080p) 16:9 Widescreen or 16:10	Minimum <b>Resolution</b> of complete video wall should be <b>50000 x 8000 pixels</b> and should have laser as its light source with ultra thin configuration <b>Justification :</b> Since large volumes of data needs to be put on the video wall it is suggested total resolution should be minimum 50000 x 8000	No Change. RFP term prevails
147.	15.1	160	Annexure III- Technical requirements for ICT Components	Video Wall Screen , point-8	<b>Brightness Uniformity:</b> ≥ 95 %	<b>Please change this to:</b> Brightness uniformity : ≥ 95 %, projection unit design should be based on IEC 60529 standard to ensure anti dust design and help to achieve ≥ 95 % brightness uniformity over the lifetime. <b>IP 6X certification</b> from 3rd party required to submit along with bid as proof . <b>Justification:</b> To ensure the brightness uniformity of 95%, project engine need to be dust protected. Accumulation of dust over a period of time in projection unit cause deterioration of brightness uniformity of display . anti-dust design based on IEC 60529 ensure the user will have uniform display over a lifetime.	No Change. RFP term prevails

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148.	15.1	160	Video Wall Screen	Suggestion	Cube depth	Since the DLP videowall occupies lot of space, we suggest to get slim cubes as that will save on your space. Depth of the cube should not be more than 650 mm	No Change. RFP term prevails
149.	15.1	160	Video Wall Screen	Suggestion	Power Supply	Dual Redundant Power Supply in the cube to be provided	Please refer to the Addendum & Corrigendum 2
150.	15.1	160	Video Wall Screen	Suggestion	Ingress protection	IP6X certification for the engine to be provided	No Change. RFP term prevails
151.	15.1	160	Video Wall Screen	Suggestion	Pixel Clock	Greater than 500 MHz	No Change. RFP term prevails
152.	15.1	160	Video Wall Screen	Suggestion	Experience for the Videowall OEM	Videowall OEM should have experience of installing atleast 2 videowall system of such large size with in India.	No Change. RFP term prevails
153.	15.1	160	Video Wall Screen	Suggestion	Experience for the Videowall OEM	OEM presence with own office & service support in India, preferably with support office in Gujarat.	No Change. RFP term prevails
154.	15.1	160	Video Wall Screen	Suggestion	Cube Engine Light Output	2300 lumens or more	No Change. RFP term prevails
155.	15.1	160	Annexure III- Technical requirements for ICT Components	Video Wall Screen , point-11	Screen to screen gap - ≤ 1 mm at all temperature/humidity conditions	Should be revised to - Gap 0.2mm or better	No Change. RFP term prevails
156.	15.1	160	Annexure III- Technical requirements for ICT Components	Video Wall Screen , point-5	Lifetime of Light Source - Minimum 60000 hours	Light source should be Laser, this is the latest and better than LED & all OEMs have it.	Please refer to the Addendum & Corrigendum 2
157.	15.1	160	Annexure III- Technical requirements	Video Wall Screen , point-7	Brightness - Minimum 1000 lumens	Brightness should be minimum 1800 lumens. With ambient light in control room,	No Change. RFP term prevails

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			for ICT Components			brightness of display should be 1800 lumens or higher	
158.	15.1	160	Annexure III- Technical requirements for ICT Components	Video Wall Screen , point-9	Viewing angle - Maximum $\pm 35^\circ$ Horizontal / $\pm 33^\circ$ Verticle	Should be defined as: SCREEN HALF GAIN VIEWING ANGLE – HORIZONTAL +/- 36 Degrees and VERTICAL +/- 34 Degrees	No Change. RFP term prevails
159.	15.17	176	Annexure III- Technical requirements for ICT Components	Point no 3. Indoor Wifi Access Points (AP)	Frequency of Radio 2 shall be 5 GHz b/g/n/ac/ac Wave 2 20/40/80 MHz (2x2:2 stream)	Request you to change stream to 4X4:4 for scalability and better throughput. Through should be at least 2.1 Gbps.	No Change. RFP term prevails
160.	15.18	178	Annexure III- Technical requirements for ICT Components	8 ports Unmanaged PoE+ Switch	8 ports Unmanaged PoE+ Switch	Please change to "8 ports managed PoE+ Switch"  With Manage switch SMC will have the visibility through NMS tool and will be easier to find out the problem quickly through NMS tool.	No Change. RFP term prevails
161.	15.18	178	Annexure III- Technical requirements for ICT Components	8 ports Unmanaged PoE+ Switch, point no 1	1G 802.3at compatible PoE+ ports to power up the Wi-Fi Access Points.	what will be the PoE power of the switch? is it complied with 802.3at only?	Query not clear
162.	15.19	178	Annexure III- Technical requirements for ICT Components	24 ports (1G/1G) Web Managed Switch, point no 2	Either Minimum 2 x 1G SFP ports and 2 x 1G BASE-T RJ-45 ports Or Minimum 4 x 1G SFP ports with 2 x 1G BASE-T RJ-45 SFP Transceivers Modules Supplied with Product from Day one in addition to above fixed 24 ports.	Please change to 1/10G port.  Minimum 2 x 1G/10G SFP+ ports and 2 x 1G/10G BASE-T RJ-45 ports Or Minimum 4 x 1G/10G SFP+ ports with 2 x 1G BASE-T RJ-45 SFP Transceivers Modules Supplied with Product from Day one in addition to above fixed 24 ports.	No Change. RFP term prevails

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						<p>Currently switches are coming with 1/10G ports. So it is beneficial for SMC to have the switch with 10G ready from day one</p> <p><b>Or</b>  <b>Please change to 2 x 1G SFP port.</b></p>	
163.	15.2	163	Annexure III- Technical requirements for ICT Components	Video Wall Controller , point-22	<b>Features:</b> Each video wall cube to be connected to the decoder individually without looping. Maximum 4 video wall cubes can be connected with one decoder.	<p>Please change this to : Each video wall cube to be connected to the decoder individually without looping. Maximum 1 video wall cubes can be connected with one decoder. decoder should be hardware based without any Operating system ( PC based decoders not acceptable )</p> <p><b>Justification:</b> multiple connection ( 4 cubes ) with one decoder will increase the probability of higher downtime because 1 decoder failure will cause shutdown of 4 cubes. To have higher uptime and less no of failures points , we recommend to have one to one connection between Cube and their dedicate individual decoder. PC based decoder have higher chance for failures due to OS crashed and performance reliability is lower</p>	No Change. RFP term prevails
164.	15.2	163	Annexure III- Technical requirements for ICT Components	Videowall controller - Interface point-19	Interface HDMI Type A /DVI-I Type A/DVID/DP, RS 232 (DB 9), USB x 2, RJ-45 x 2	<b>Please change this to:</b> HDMI Type A /DVI-I Type A, RS 232 (DB 9), USB x 2, RJ-45 x 2	No Change. RFP term prevails
165.	15.2	163	Annexure III- Technical requirements for ICT Components	Videowall controller - server point-28	Make: OEM must be listed in Leader's Quadrant of the latest Gartner Magic Quadrant for Modular Servers	<p><b>Please change this to:</b> Videowall OEM should offer tested / certified server from reputed brands.</p> <p><b>Justification:</b> This will allow various OEMs to participate in project</p>	Please refer to the Addendum & Corrigendum 2



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166.	15.22	185	Annexure III- Technical requirements for ICT Components	DC Core Switch-Slots	Minimum 4 Interface Line Card or Module Slots (other than management module/slot)	Can we quote for Fixed Port Switches which has the same Switching Capacity, Forwarding Throughput, Functionality & Features and Port density as per the RFP requirement. This Fixed port switches will benefit as it takes less rackspace for Installation and Working.	No Change. RFP term prevails
167.	15.22	185	Annexure III- Technical requirements for ICT Components	DC Core Switch, point no 1	Minimum 5 Tbps or Higher Switching Capacity	Please change to minimum 28 Tbps or higher switching capacity.  For DC core switch, higher switching throuput would be required.	No Change. RFP term prevails
168.	15.22	185	Annexure III- Technical requirements for ICT Components	DC Core Switch, point no 3	Min. 24 x 10G Base-T RJ-45 ports • Min. 48 x 10G SFP+ ports with SR/LR/ZR ports • Min. 24 x 40G QSFP+ SR4/LR4 ports • Minimum 1 Slot must be empty after configuring above ports • HA Port	Please remove 24 x 10G BASE-T Copper ports  In datacenter, the uplink for Server farm switch to core switch should be on fiber for lossless communication and all the server should be connected on fiber transceiver for lossless communication	No Change. RFP term prevails
169.	15.22	188	Annexure III- Technical requirements for ICT Components	DC Core Switch, point no 8	Support for Asynchronous data flows upstream and downstream from the end station or on the uplink using ingress policing and egress shaping.	Please change to Asynchronous / ACL restricted data flows.  The Asynchronous data flows is not having any IEEE standard and is supported by specific OEM	No Change. RFP term prevails
170.	15.22	188	Annexure III- Technical requirements for ICT Components	DC Core Switch, point no 8	IEEE 802.1x to allow dynamic, port-based security, providing user authentication.	Please remove IEEE 802.1x  IEEE 802.1x authentication is not required at the core switch, it is required at access switch for end user	Please refer to the Addendum & Corrigendum 2
171.	15.22	189	Annexure III- Technical requirements	DC Core Switch- Management	Management - Web-based management interface through either GUI based software utility or using	Since, This is a Datacenter Switch, Web GUI is not available because of security reasons.	No Change. RFP term prevails

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			for ICT Components		standard web browser interface which Supports configuration	Request you to kindly remove this Technical Specifications from the RFP.	
172.	15.22	189	Annexure III- Technical requirements for ICT Components	DC Core Switch- Management	Management - Intuitive web interface to upload/download Configurations to and from the switch.	Since, This is a Datacenter Switch, Web Interface is not available because of security reasons. Request you to kindly remove this Technical Specifications from the RFP.	No Change. RFP term prevails
173.	15.22	189	Annexure III- Technical requirements for ICT Components	DC Core Switch, point no 8	Private VLAN to provide security and isolation between switch ports, helping ensure that users cannot snoop on other users' traffic.	Please change to Private VLAN or equivalent  Private VLAN is OEM specific term	Please refer to the Addendum & Corrigendum 2
174.	15.22	189	Annexure III- Technical requirements for ICT Components	DC Core Switch, point no 9	Easy-to-use, Web-based management interface through either GUI based software utility or using standard web browser interface which Supports configuration, system dashboard, system maintenance, and monitoring.	Please remove Web-based management interface through either GUI based software utility or using standard web browser interface and change to managment through external or inyternal software  All the higher end switches are manage through CLI or external Management software	No Change. RFP term prevails
175.	15.22	189	Annexure III- Technical requirements for ICT Components	DC Core Switch, point no 9	Intuitive web interface to upload/download Configurations to and from the switch.	Please remove this point and change to " Intuitive web interface to upload/download Configurations to and from the switch through external management software	No Change. RFP term prevails
176.	15.23	190	Annexure III- Technical requirements for ICT Components	1G SFP LX Transceiver Module for 24 Port Web Managed Switches, point no 1	1G BASE-LX port; Bi-Directional Duplex: full only	Please change to Bi-directional/ full duplex  Bi-direction will work on single core fiber. In the current fiber setup, dual core fiber is available	No Change. RFP term prevails

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177.	15.28	192	Annexure III- Technical requirements for ICT Components	DC TOR / DC Aggregation Switch Type-1	Suggestion	Switch platform should support MAC Sec (802.1AE) in hardware  Justification Being highly critical network, encryption should be supported for link to server for better security purpose.	No Change. RFP term prevails
178.	15.28	194	Annexure III- Technical requirements for ICT Components	DC TOR / DC Aggregation Switch Type-1, point no 7	Support for Asynchronous data flows upstream and downstream from the end station or on the uplink using ingress policing and egress shaping.	Please change to Asynchronous / ACL restricted data flows.  The Asynchronous data flows is not having any IEEE standard and is supported by specific OEM	No Change. RFP term prevails
179.	15.28	194	Annexure III- Technical requirements for ICT Components	DC TOR / DC Aggregation Switch Type-1, point no 7	IEEE 802.1x to allow dynamic, portbased security, providing user authentication.	Please remove IEEE 802.1x  IEEE 802.1x authentication is not required at the core switch, it is required at access switch for end user	Please refer to the Addendum & Corrigendum 2
180.	15.28	195	Annexure III- Technical requirements for ICT Components	DC TOR / DC Aggregation Switch Type-1 - Management	Management - Web-based management interface through either GUI based software utility or using standard web browser interface which Supports configuration	Since, This is a Datacenter Switch, Web GUI is not available because of security reasons. Request you to kindly remove this Technical Specifications from the RFP.	No Change. RFP term prevails
181.	15.28	195	Annexure III- Technical requirements for ICT Components	DC TOR / DC Aggregation Switch Type-1 - Management	Management - Intuitive web interface to upload/download Configurations to and from the switch.	Since, This is a Datacenter Switch, Web Interface is not available because of security reasons. Request you to kindly remove this Technical Specifications from the RFP.	No Change. RFP term prevails
182.	15.28	195	Annexure III- Technical requirements for ICT Components	DC TOR / DC Aggregation Switch Type-1, point no 7	Private VLAN to provide security and isolation between switch ports, helping ensure that users cannot snoop on other users' traffic.	Please change to Private VLAN or equivalent  Private VLAN is OEM specific term	Please refer to the Addendum & Corrigendum 2

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183.	15.28	195	Annexure III- Technical requirements for ICT Components	DC TOR / DC Aggregation Switch Type-1, point no 8	Easy-to-use, Web-based management interface through either GUI based software utility or using standard web browser interface which Supports configuration, system dashboard, system maintenance, and monitoring.	<p>Please remove Web-based management interface through either GUI based software utility or using standard web browser interface and change to managemngt through external or inyternal software</p> <p>All the higher end switches are manage through CLI or external Management software</p>	No Change. RFP term prevails
184.	15.28	195	Annexure III- Technical requirements for ICT Components	DC TOR / DC Aggregation Switch Type-1, point no 8	Intuitive web interface to upload/download Configurations to and from the switch	Please remove this point and change to " Intuitive web interface to upload/download Configurations to and from the switch through external management software	No Change. RFP term prevails
185.	15.29	196	Annexure III- Technical requirements for ICT Components	DC TOR / DC Aggregation Switch Type-2	Suggestion	<p>Switch platform should support MAC Sec (802.1AE) in hardware</p> <p>Justification Being highly critical network, encryption should be supported for link to server for better security purpose.</p>	No Change. RFP term prevails
186.	15.29	196	Annexure III- Technical requirements for ICT Components	DC TOR/ DC Aggregation Switch Type-2	<ul style="list-style-type: none"> <li>· Should have minimum 24 X 10G BASE-T RJ-45 ports and</li> <li>· Should have minimum 24 X 10G BASE- SFP+ SR/LR ports.</li> <li>· Should have minimum 4 X 40G BASE- QSFP+ LR4/SR4 ports</li> </ul>	<p>DC TOR switch Type 1 is already asked with 10G-Base T ports. Any devices that need to connect over 10G Base-T can connect to TOR switch Type 1.</p> <p>This particular port configurations is specific to certain OEMs. Request you to modify the clause as follows for wider participation of OEMs:</p> <ul style="list-style-type: none"> <li>· Should have minimum 48 X 10G BASE-SFP+ SR/LR ports.</li> <li>· Should have minimum 4 X 40G BASE-QSFP+ LR4/SR4 ports</li> </ul>	No Change. RFP term prevails

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187.	15.29	198	Annexure III- Technical requirements for ICT Components	DC TOR/ DC Aggregation Switch Type-2, point no 7	Support for Asynchronous data flows upstream and downstream from the end station or on the uplink using ingress policing and egress shaping.	Please change to Asynchronous / ACL restricted data flows.  The Asynchronous data flows is not having any IEEE standard and is supported by specific OEM	No Change. RFP term prevails
188.	15.29	198	Annexure III- Technical requirements for ICT Components	DC TOR/ DC Aggregation Switch Type-2, point no 7	IEEE 802.1x to allow dynamic, portbased security, providing user authentication.	Please remove IEEE 802.1x  IEEE 802.1x authentication is not required at the core switch, it is required at access switch for end user	Please refer to the Addendum & Corrigendum 2
189.	15.29	199	Annexure III- Technical requirements for ICT Components	DC TOR/ DC Aggregation Switch Type-2- Management	Management - Web-based management interface through either GUI based software utility or using standard web browser interface which Supports configuration	Since, This is a Datacenter Switch, Web GUI is not available because of security reasons. Request you to kindly remove this Technical Specifications from the RFP.	No Change. RFP term prevails
190.	15.29	199	Annexure III- Technical requirements for ICT Components	DC TOR/ DC Aggregation Switch Type-2- Management	Management - Intuitive web interface to upload/download Configurations to and from the switch.	Since, This is a Datacenter Switch, Web Interface is not available because of security reasons. Request you to kindly remove this Technical Specifications from the RFP.	No Change. RFP term prevails
191.	15.29	199	Annexure III- Technical requirements for ICT Components	DC TOR/ DC Aggregation Switch Type-2, point no 7	Private VLAN to provide security and isolation between switch ports, helping ensure that users cannot snoop on other users' traffic.	Please change to Private VLAN or equivalent  Private VLAN is OEM specific term	Please refer to the Addendum & Corrigendum 2
192.	15.29	199	Annexure III- Technical requirements for ICT Components	DC TOR/ DC Aggregation Switch Type-2, point no 8	Easy-to-use, Web-based management interface through either GUI based software utility or using standard web browser interface which Supports configuration, system dashboard, system maintenance, and monitoring.	Please remove Web-based management interface through either GUI based software utility or using standard web browser interface and change to managment through external or inyternal software  All the higher end switches are manage	No Change. RFP term prevails

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						through CLI or external Management software	
193.	15.29	199	Annexure III- Technical requirements for ICT Components	DC TOR/ DC Aggregation Switch Type-2, point no 8	Intuitive web interface to upload/download Configurations to and from the switch	Please remove this point and change to " Intuitive web interface to upload/download Configurations to and from the switch through external management software	No Change. RFP term prevails
194.	15.3	163	Annexure III- Technical requirements for ICT Components	Video Wall Management Software point-8	Ability to share the layouts over LAN/WAN Network with display in Meeting room or on Remote Workstations connected on LAN/WAN Network	<b>Please change this to:</b> Ability to display content of desktop/workstation connected with dedicated encoder over the network with meeting room displays/ display wall. <b>Justification:</b> This gives more flexibility to user to share their workstation over LAN with displays wall / displays	No Change. RFP term prevails
195.	15.3	164	Annexure III- Technical requirements for ICT Components	Video Wall Management Software point-12	Ability to schedule backup and restore the configuration parameters.	<b>Please change this to:</b> Ability to schedule the various layouts , configuration as per the requirements <b>Justification:</b> user can to schedule their layouts , inputs source etc through scheduler before actual launch and will be able to save time and increase productivity	No Change. RFP term prevails
196.	15.3	164	Annexure III- Technical requirements for ICT Components	Video Wall Management Software point-12	The wall management software should support open APIs to enable system integrators to integrate it with their Software.	Please change to : The wall management software should support open APIs/ Command list / RS232 command to enable other 3rd party devices to control the system <b>Justification:</b> Various Options of intergation will help System intergator to intergate the complete solution	Please refer to the Addendum & Corrigendum 2
197.	15.3	164	Annexure III- Technical requirements	Video Wall Management Software point-14	Event log of user access and client access with time stamp.	<b>Please change this to:</b> system should create log file for the user <b>Justification:</b> this feature specific to one	Please refer to the Addendum & Corrigendum 2

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			for ICT Components			OEM , we request to change as per above to allow other OEM to offer their solutions.	
198.	15.32	201	Annexure III- Technical requirements for ICT Components	DC Application & Delivery Controller with Global Server Load Balancing	DC Application & Delivery Controller with Global Server Load Balancing	<p>There is no OEM eligibility criteria for all the products.</p> <p>I would request customer to include more advance protection feature with Minimum specification / changes required are as below:</p> <ol style="list-style-type: none"> <li>1. The solution must be in Leader or Challenger in the last 10 years Gartner Magic Quadrant of ADC.</li> <li>2. The WAF solution hardware or operating system should be EAL or NDPP/NDcPP (Network Device Protection Profile) certified under Common Criteria Program for security related functions.</li> </ol>	No Change. RFP term prevails
199.	15.33	202	Annexure III- Technical requirements for ICT Components	Wireless LAN Controller for Indoor Wifi Access Point	Suggestion	Wireless controller should be Software controller and not dependent on specific hardware. It gives flexibility to choose hardware and scalability in near future.	No Change. RFP term prevails
200.	15.33	202	Annexure III- Technical requirements for ICT Components	Wireless LAN Controller for Indoor Wifi Access Point	Should Support minimum 50 x 802.11 ac Wave2 base Wifi Access Points	Request to change to 802.11ax standard, This is newer standard can support higher user density and throughput	No Change. RFP term prevails
201.	15.33	202	Annexure III- Technical requirements for ICT Components	Wireless LAN Controller for Indoor Wifi Access Point	5. Architecture Should have minimum 1x GE RJ45	Datarate requested are(800+300) which above 1Gbps but only 1 x GE interface requested. Kindly change interface to multigigabit or 2xGE RJ45 to achieve good throughput	No Change. RFP term prevails

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202.	15.34	204	Annexure III- Technical requirements for ICT Components	Servers for SMC Application Requirements	<b>15.34 Servers for SMC Application Requirements</b>  <b>1. Make:</b> OEM must be listed in Leader's Quadrant of the latest Gartner Magic Quadrant for Modular Servers	<b>Change Request Justification:</b> We would request your kind attention to the fact that as per MoUD guidelines for the Smart City Projects, foreign certification / 3rd party certification like Gartner or IDC report should not be a parameter for evaluation.  We thus request you to remove this clause so as to allow all industry standard OEMs to participate in this esteem project.  <b>Change Requested:</b> <b>Kindly remove this clause</b>	Please refer to the Addendum & Corrigendum 2
203.	15.34	204	Annexure III- Technical requirements for ICT Components	Servers for SMC Application Requirements	<b>15.34 Servers for SMC Application Requirements</b>  <b>3. Processor:</b> 2 No. of Intel® Xeon® Gold 6238 2.1G,22C/44T, 10.4GT/s, 30.25M Cache,Turbo,HT (140W) DDR4-2933	<b>Clarification Request Justification:</b> Each of the OEM carries different category of Intel Cascade Lake Processors, as per their server category available for designated workload and thus in case of Hitachi, we carry the below mentioned Processor category, and hence request the change to allow our Servers to qualify and e proposed.  <b>Change Requested:</b> Please allow higher model of Cascade Lake Processor as well, and the following change:  <b>2 No. of Intel® Xeon® Gold 6238 2.1G,22C/44T, 10.4GT/s, 30.25M Cache,Turbo,HT (140W) DDR4-2933 or Higher</b>	The specifications are minimum specification only.
204.	15.34	204	Annexure III- Technical requirements	Servers for SMC Application Requirements	Additional Point with respect to Security Feature in Server.	We request Server must support key features like Dual Silicon Root of Trust , System Lockdown, Rapid OS Recovery, Automatic BIOS Recovery, System Drift Detection,	No Change. RFP term prevails



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			for ICT Components			Power-on password, administrator's password, two Trusted Platform Modules (TPMs) 1.2 or 2.0, System Erase (instant secure erase) including NVMe drives.	
205.	15.34	204	Annexure III- Technical requirements for ICT Components	Servers for SMC Application Requirements, Point 4	<ul style="list-style-type: none"> <li>• DIMM Slots must be supporting 2400 MHz/2666MHz memory frequency</li> <li>• Memory DIMM Slots must be supporting 8GB / 16GB / 32GB /64GB/128GB memory modules.</li> <li>• Minimum 384 GB Memory per physical server</li> </ul>	Current clause allows SI's to quote sub-standard entry level servers. All OEM's in their Datacenter grade Server category today support min. 24 DIMM slots for memory kit population which is crucial for memory scalability in future. Hence, request authority to change the clause as below: <ul style="list-style-type: none"> <li>• <b>Min. 24 DIMM Slots</b> must be supporting 2400 MHz/2666MHz memory frequency</li> <li>• Memory DIMM Slots must be supporting 8GB / 16GB / 32GB /64GB/128GB memory modules.</li> <li>• Minimum 384 GB Memory per physical server</li> </ul>	No Change. RFP term prevails
206.	15.34	205	Annexure III- Technical requirements for ICT Components	Servers for SMC Application Requirements, Point 11	Sliding Rack mounting kit for 2U rack server	The server config asked can be provided in both 1U and 2U servers. Lower rack form factor should also be permissible. Hence request to change this clause as below: "Sliding Rack mounting kit for <b>1U/2U</b> rack server"	Please refer to the Addendum & Corrigendum 2
207.	15.34	205	Annexure III- Technical requirements for ICT Components	Servers for SMC Application Requirements	<p><b>15.34 Servers for SMC Application Requirements</b></p> <p><b>9. Storage Connectivity Interface</b>                  2 x Single-port 16Gbps FC HBA/FCOE for providing connectivity to SAN</p>	<p><b>Clarification Request Justification:</b>                  Each Port of any Dual Ported HBA is independent of each other and thus in case of failure of any of the port, the other port will remain available due to the built-in High Availability feature in the HBAs. Hence such HBAs don't have any functionality difference compared to 2 x Single Port HBAs.</p> <p>Further, this will ensure that the PCI slots (scarce resources) are not unnecessarily consumed and available for future</p>	No Change. RFP term prevails

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						expansion  <b>Change Requested: 1 x Dual-port 16Gbps FC HBA/FCOE for providing connectivity to SAN</b>	
208.	15.34	205	Annexure III- Technical requirements for ICT Components	Servers for SMC Application Requirements, Point 7	SAS RAID Controller supporting RAID 0,1 and 5 with minimum 512MB Cache memory with battery backup	RAID Controller Cache will ultimately decide the disk IOP's performance and this Cache is always recommended to be atleast 4GB or higher for running applications related to ICCC and Smart City. From our experience of implementing various Smart City and ICCC Projects both as System Integrator and OEM, we feel that 512MB Cache on RAID Controller card is very very low and insufficient. Kindly change this clause as below: "SAS RAID Controller supporting RAID 0, 1 and 5 with minimum <b>4GB Cache</b> memory with battery backup"	Please refer to the Addendum & Corrigendum 2
209.	15.35	205	Annexure III- Technical requirements for ICT Components	Servers for ICCC Requirements, Point 7	SAS RAID Controller supporting RAID 0,1 and 5 with minimum 512MB Cache memory with battery backup	RAID Controller Cache will ultimately decide the disk IOP's performance and this Cache is always recommended to be atleast 4GB or higher for running applications related to ICCC and Smart City. From our experience of implementing various Smart City and ICCC Projects both as System Integrator and OEM, we feel that 512MB Cache on RAID Controller card is very very low and insufficient. Kindly change this clause as below: "SAS RAID Controller supporting RAID 0, 1 and 5 with minimum <b>4GB Cache</b> memory with battery backup"	Please refer to the Addendum & Corrigendum 2
210.	15.35	206	Annexure III- Technical requirements	Servers for ICCC Requirements	Additional Point with respect to Security Feature in Server.	We request Server must support key features like Dual Silicon Root of Trust , System Lockdown, Rapid OS Recovery, Automatic	No Change. RFP term prevails

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			for ICT Components			BIOS Recovery, System Drift Detection, Power-on password, administrator's password, two Trusted Platform Modules (TPMs) 1.2 or 2.0, System Erase (instant secure erase) including NVMe drives.	
211.	15.35	206	Annexure III- Technical requirements for ICT Components	Servers for ICCC Requirements	2 X 10G-Base T RJ45 LAN port for providing Ethernet connectivity	Change requested 2 X 10G-Base T RJ45 or SFP+ LAN port for providing Ethernet connectivity  Justification Blade chassis asks for SFP+ ports, request you to change the clause at blade servers also.	Please refer minimum specification for blade chassis (15.36, point no. 6) for blade server connectivity requirement.
212.	15.35	206	Annexure III- Technical requirements for ICT Components	Servers for ICCC Requirements	<b>15.35 Servers for ICCC Requirements</b>  <b>1. Make:</b> OEM must be listed in Leader's Quadrant of the latest Gartner Magic Quadrant for Modular Servers	<b>Change Request Justification:</b> We would request your kind attention to the fact that as per MoUD guidelines for the Smart City Projects, foreign certification / 3rd party certification like Gartner or IDC report should not be a parameter for evaluation.  We thus request you to remove this clause so as to allow all industry standard OEMs to participate in this esteem project.  <b>Change Requested:</b> <b>Kindly remove this clause</b>	Please refer to the Addendum & Corrigendum 2
213.	15.35	206	Annexure III- Technical requirements for ICT Components	Servers for ICCC Requirements, Point 4	<ul style="list-style-type: none"> <li>• DIMM Slots must be supporting 2400 MHz/2666MHz memory frequency</li> <li>• Memory DIMM Slots must be supporting 8GB / 16GB / 32GB /64GB/128GB memory modules.</li> <li>• Minimum 64 GB</li> </ul>	Current clause allows SI's to quote sub-standard entry level servers. All OEM's in their Datacenter grade Server category today support min. 24 DIMM slots for memory kit population which is crucial for memory scalability in future. Hence, request authority to change the clause as below: <ul style="list-style-type: none"> <li>• <b>Min. 24 DIMM Slots</b> must be supporting 2400 MHz/2666MHz memory frequency</li> </ul>	No Change. RFP term prevails

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						<ul style="list-style-type: none"> <li>• Memory DIMM Slots must be supporting 8GB / 16GB / 32GB /64GB/128GB memory modules.</li> <li>• Minimum 384 GB Memory per physical server</li> </ul>	
214.	15.35	207	Annexure III- Technical requirements for ICT Components	Servers for ICCC Requirements	<p><b>15.35 Servers for ICCC Requirements</b></p> <p><b>9. Storage Connectivity Interface</b> 2 x Single-port 16Gbps FC HBA/FCOE for providing connectivity to SAN</p>	<p><b>Clarification Request Justification:</b> Each Port of any Dual Ported HBA is independent of each other and thus in case of failure of any of the port, the other port will remain available due to the built-in High Availability feature in the HBAs. Hence such HBAs don't have any functionality difference compared to 2 x Single Port HBAs.</p> <p>Further, this will ensure that the PCI slots (scarce resources) are not unnecessarily consumed and available for future expansion</p> <p><b>Change Requested:</b> <b>1 x Dual-port 16Gbps FC HBA/FCOE for providing connectivity to SAN</b></p>	No Change. RFP term prevails
215.	15.36	208	Annexure III- Technical requirements for ICT Components	Blade Chassis for Blade Servers, Point no. 5	Minimum 4 USB port	Every blade chassis vendor supports different no. of USB port interfaces. Hence, for wider OEM participation request to change this clause to " Minimum <b>2 USB port</b> "	No Change. RFP term prevails
216.	15.36	208	Annexure III- Technical requirements for ICT Components	Blade Chassis for Blade Servers, point no 4	DVD ROM shall be available in chassis, can be internal or external, which can be shared by all the blades allowing remote installation of software	<p>Change requested DVD ROM shall be available in chassis solution, can be internal or external, which can be shared by all the blades allowing remote installation of software</p> <p>Justification Every OEM architecture is different, a DVD ROM at chassis level is not required, we can</p>	No Change. RFP term prevails

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						achieve the functionality as part of the solution	
217.	15.36	208	Annexure III- Technical requirements for ICT Components	Blade Chassis for Blade Servers, point no 5	Minimum 4 USB port	<p>Change requested Minimum 4 USB port in solution</p> <p>Justification Every OEM architecture is different, USB ports at chassis level is not required, we can achieve the functionality as part of the solution</p>	No Change. RFP term prevails
218.	15.36	208	Annexure III- Technical requirements for ICT Components	Blade Chassis for Blade Servers, point no 7	Two hot-plugs/hot-swap redundant 16 GBPS Fiber Channel module with 16 number of internal and 8 external 16 GBPS ports for connectivity to the external Fiber channel Switch / Storage Controller (Ports must be active and populated with SFP+ from day one.)	<p>Change requested Two hot-plugs/hot-swap redundant 16 GBPS Fiber Channel module or merged with Ethernet module to provide FCoE connectivity, in both case 8 external 16 GBPS ports for connectivity to the external Fiber channel Switch / Storage Controller (Ports must be active and populated with SFP+ from day one.)</p> <p>Justification The Blade server allows for FCoE ports, request you to allow for FCoE at chassis level for wider participation</p>	No Change. RFP term prevails
219.	15.38	210	Annexure III- Technical requirements for ICT Components	Storage	<p><b>15.38 Storage</b></p> <p><b>4. Cache</b> Minimum 512 GB of useable cache across controllers, out of which minimum 384 GB Cache must be controller cache and rest can be flash based cache.</p> <p>Cache shall be used only for data and control operations and should not handle any overhead of operating system</p>	<p><b>Clarification Request Justification:</b> The current specification allowing flash based cache was used as a workaround in the older generation of storage architecture where Cache was limited. A mix of controller cache and flash based cache definitely have performance overheads compared to pure controller (DRAM) Cache.</p> <p><b>Change Requested:</b> <b>Minimum 512 GB of useable cache across controllers (256GB per controller) using</b></p>	No Change. RFP term prevails

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						<p><b>only controller (DRAM) Cache</b></p> <p><b>Cache shall be used only for data and control operations and should not handle any overhead of operating system</b></p>	
220.	15.38	210	Annexure III- Technical requirements for ICT Components	Storage, Point no 5	Minimum 4 nos. of 16 Gbps Fibre Channel Ports per Controller shall be available. Ports must be active and populated with SFP+ from day one.	<p>Considering the overall capacity of 1000TB, 4 number of 16Gbps per controller (Total 8 ports across two controllers) seems to be too less, which is almost equivalent to 125TB per 16G FC port.</p> <p>Request to change this clause as - "Proposed storage shall be supplied with <b>total of 16 x 16/32Gbps FC Ports</b>. Ports must be active and populated with SFP+ from day one."</p>	Please refer to the Addendum & Corrigendum 2
221.	15.38	210	Annexure III- Technical requirements for ICT Components	Storage, Point no. 1	OEM must be listed in Leader's Quadrant of the latest Gartner Magic Quadrant for General-Purpose Disk Arrays	Gartner Magic Quadrant for General-Purpose Disk Arrays has been replaced by Gartner Magic Quadrant for Primary Storage in 2019. Kindly change this clause as below: <b>"OEM must be listed in Leader's Quadrant of the latest Gartner Magic Quadrant for Primary storage"</b> .	Please refer to the Addendum & Corrigendum 2
222.	15.38	211	Annexure III- Technical requirements for ICT Components	Storage	<p><b>15.38 Storage</b></p> <p><b>11. Storage</b> The proposed storage should be supplied with 1000 TB usable capacity (with no compression and de-duplication) with at least 200 TB usable capacity using SSD drive, 400 TB usable capacity using SAS drives and 400 TB usable capacity using NL-SAS drives. Bidder is required to use RAID 5 / RAID 6 / RAID 10 as per best practises and to maximise the performance of entire software solution proposed. Each LUN created should not have more than 10 drives. 1 Global Hot Spare per 20 drives with</p>	<p><b>Clarification Request Justification:</b> By limiting the capacity of SSD to 2TB, the sizing can be carried only using 1.9TB SSD which will increase the hard disk count and certainly limiting the expansion in future. Also, since each of the SSD provides very high IOPS, reducing the number of hard disks wouldn't have any impact on the performance requirement of the project.</p> <p>By limiting the capacity of SAS to 2TB, the sizing can be carried only using 1.2TB SAS which will increase the hard disk count and</p>	Please refer to the Addendum & Corrigendum 2

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					<p>equivalent or higher capacity should be considered.</p> <ul style="list-style-type: none"> <li>• Capacity of SSD drive proposed should not be more than 2 TB.</li> <li>• Capacity of SAS drive proposed should not be more than 2 TB.</li> <li>• Capacity of NL-SAS drive proposed should not be more than 6 TB</li> </ul>	<p>certainly limiting the expansion in future. Also, this being an old generation Disk Type, is not supported any more on Hitachi Storages, and thus won't allow us to participate.</p> <p>By limiting the capacity of NLSAS to 6TB, the sizing can be carried only using 6TB NLSAS which will increase the hard disk count and certainly limiting the expansion in future. Also, this being an old generation Disk Type, is not supported any more on Hitachi Storages, and thus won't allow us to participate.</p> <p><b>Change Requested:</b></p> <ul style="list-style-type: none"> <li>• <b>Capacity of SSD drive proposed should not be more than 3.8 TB.</b></li> <li>• <b>Capacity of SAS drive proposed should not be more than 2.4 TB.</b></li> <li>• <b>Capacity of NL-SAS drive proposed should not be more than 10 TB</b></li> </ul>	
223.	15.38	211	Annexure III- Technical requirements for ICT Components	Storage, Point no. 11	<p>The proposed storage should be supplied with 1000 TB usable capacity (with no compression and de-duplication) with at least 200 TB usable capacity using SSD drive, 400 TB usable capacity using SAS drives and 400 TB usable capacity using NL-SAS drives. Bidder is required to use RAID 5 / RAID 6 / RAID 10 as per best practises and to maximise the performance of entire software solution proposed. Each LUN created should not have more than 10 drives. 1 Global Hot Spare per 20 drives with equivalent or higher capacity should be considered.</p> <ul style="list-style-type: none"> <li>• Capacity of SSD drive proposed should not be more than 2TB.</li> <li>• Capacity of SAS drive proposed should not be more than 2TB.</li> </ul>	<p>(1) SSD Drive not more than 2TB leaves only option of 1.92TB since 400GB SSD, 800GB SSD, 920GB SSD are only used for Adaptive Flash Cache and not for capacity tier.</p> <p>(2) SAS Drive not more than 2TB leaves only option of 1.2TB and 1.8TB.</p> <p>(3) NL-SAS Drive not more than 6TB leaves us with only option of 4TB since 6TB NL-SAS has been declared obsolete.</p> <p>1.92TB SSD, 1.2TB SAS, 1.8TB SAS and 4TB NL-SAS drives have been in sales cycle for over 5years now and getting the upgrades and spares on these mentioned capacity drives for next 7years has been ruled out by</p>	Please refer to the Addendum & Corrigendum 2

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					<ul style="list-style-type: none"> <li>Capacity of NL-SAS drive proposed should not be more than 6TB</li> </ul>	<p>supply chain personnel handling procurements across multiple sources across the globe.</p> <p>Furthermore, SSD drives are non-mechanical drives wherein there is negligible performance drop with linear capacity increase. NL-SAS drives are already low performance drives which are meant for capacity/volume and these drives do not contribute much in Drive IOPS from Storage.</p> <p>Hence, we request you to kindly allow the very next upper/higher capacity drives in each of the drive tier as below:</p> <p><b>1. Capacity of SSD drive proposed should not be more than 4TB.</b></p> <p><b>2. Capacity of SAS drive proposed should not be more than 2.5TB.</b></p> <p><b>3. Capacity of NL SAS drive propose should not be more than 8TB.</b></p>	
224.	15.38	211	Annexure III- Technical requirements for ICT Components	Storage,Point no. 9	Should support various RAID Levels (RAID 0 / 1 / 5 / 6 / 10 or any combination of RAID level on single Storage system)	<p>RAID types and RAID configuration across drives provides reliability and data availability to the storage architecture and storage system deployed. With utmost certainty it can be said that Storage with RAID 6 will have higher reliability and higher data availability than same Storage with RAID 5 irrespective of drive types.</p> <p>Furthermore, RAID 1 is not used in any of the capacity tier across any drive types because it doesn't justify the cost:benefit ratio.</p>	No Change. RFP term prevails



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						<p>With the above learnings from our vast storage client base across the globe, HPE has brought the concept of 100% data availability guarantee enterprise datacenter class SAN Storage with RAID 6 which provides with the benefit of the highest/maximum data availability i.e., 100% and that too with RAID 6 across any/all drive pool present in the storage with various combination of layout like 6D+2P, 8D+2P etc.</p> <p>These enterprise datacenter class SAN Storage come with RAID 6 as standard. Hence we request to modify the clause as:</p> <p><b>"Should support and configured with one of the RAID Levels (RAID 1 / 5 / 6 / 10 or any combination of RAID level on single Storage system to deliver highest data availability from the proposed Storage"</b></p>	
225.	15.38	214	Annexure III- Technical requirements for ICT Components	Storage	<p><b>15.38 Storage</b></p> <p><b>24. Cache</b>                      Minimum 512 GB of useable cache across controllers, out of which minimum 384 GB Cache must be controller cache and rest can be flash based cache.</p> <p>Cache shall be used only for data and control operations and should not handle any overhead of operating system</p>	<p><b>This point is a repeatation / duplication of the Point No. 4, and needs to be removed.</b></p>	Please refer to the Addendum & Corrigendum 2
226.	15.38	2,10,214	Annexure III- Technical requirements	Storage,Point no 4 & 24,	<p>Minimum 512 GB of useable cache across controllers, out of which minimum 384 GB Cache must be controller cache and rest can be flash based cache.</p>	<p>Kindly change this clause to " Minimum 512 GB of useable cache across controllers, out of which minimum 384 GB Cache must be <b>protected</b> controller cache and rest can be flash based cache."In the event of complete</p>	No Change. RFP term prevails

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			for ICT Components			power failure, battery backup in controller is essential to prevent cache data loss making it an essential feature in any enterprise array from resiliency perspective and maintaining high SLA level.	
227.	15.38	210-214	Annexure III- Technical requirements for ICT Components	Storage,Point no 11	The proposed storage should be supplied with 1000 TB usable capacity (with no compression and de-duplication) with at least 200 TB usable capacity using SSD drive, 400 TB usable capacity using SAS drives and 400 TB usable capacity using NL-SAS drives. Bidder is required to use RAID 5 / RAID 6 / RAID 10 as per best practises and to maximise the performance of entire software solution proposed. Each LUN created should not have more than 10 drives. 1 Global Hot Spare per 20 drives with equivalent or higher capacity should be considered. Capacity of SSD drive proposed should not be more than 2 TB. Capacity of SAS drive proposed should not be more than 2 TB. Capacity of NL-SAS drive proposed should not be more than 6 TB	Kindly increase the drive sizes/ capacities for latest technology offered by various OEMs.Also, various OEMs offer various latest and optimised technologies to produce the acheivable capacity . Hence request to kindly change and revise the clause.  Request to please change and read it as " <b>The proposed storage should be supplied with 1000 TB usable capacity (with no compression and de-duplication) with at least 200 TB usable capacity using SSD drive, 400 TB usable capacity using SAS drives and 400 TB usable capacity using NL-SAS drives. Bidder is required to use RAID 5 / RAID 6 / RAID 10 as per best practises and to maximise the performance of entire software solution proposed. Each LUN created should not have more than 10 drives. 1 Global Hot Spare per 20 drives with equivalent or higher capacity should be considered. Capacity of SSD drive proposed should not be more than 2 TB- 4TB Capacity of SAS drive proposed should not be more than 2 TB. Capacity of NL-SAS drive proposed should not be more than 6 TB 10TB."</b>	Please refer to the Addendum & Corrigendum 2

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228.	15.38	210-214	Annexure III- Technical requirements for ICT Components	Storage,Point no 24	<p>- Minimum 512 GB of useable cache across controllers, out of which minimum 384 GB Cache must be controller cache and rest can be flash based cache.</p> <p>- Cache shall be used only for data and control operations and should not handle any overhead of operating system</p>	<p>The initial requirement of the capacity can be easily met with 256GB of cache which can be scaled as per the future ask and requirement. Also, as per the best industry standards, cache should be in multiples of 32,64,128,256,512, 1024 etc. Hence we request you to kindly modify the clause as it also offers commercial benefit.</p> <p>Request you to kindly change and read the clause as "</p> <p><b>Minimum <del>512 GB</del> 1TB of useable cache across controllers, out of which minimum <del>384 GB</del> 256GB Cache must be controller cache and rest can be flash based cache as per the best optimised solution."</b></p> <p><del>Cache shall be used only for data and control operations and should not handle any overhead of operating system."</del></p>	Please refer to the Addendum & Corrigendum 2
229.	15.38	210-214	Annexure III- Technical requirements for ICT Components	Storage,Point no 4	<p>-Minimum 512 GB of useable cache across controllers, out of which minimum 384 GB Cache must be controller cache and rest can be flash based cache.</p> <p>-Cache shall be used only for data and control operations and should not handle any overhead of operating system.</p>	<p>The initial requirement of the capacity can be easily met with 256GB of cache which can be scaled as per the future ask and requirement. Also, as per the best industry standards, cache should be in multiples of 32,64,128,256,512, 1024 etc. Hence we request you to kindly modify the clause as it also offers commercial benefit.</p> <p>Request you to kindly change and read the clause as "</p> <p><b>Minimum <del>512 GB</del> 1TB of useable cache across controllers, out of which minimum <del>384 GB</del> 256GB Cache must be controller cache and rest can be flash based cache as per the best optimised solution."</b></p> <p><del>Cache shall be used only for data and</del></p>	Please refer to the Addendum & Corrigendum 2

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						<del>control operations and should not handle any overhead of operating system.</del>	
230.	15.38		Annexure III- Technical requirements for ICT Components	Suggestions	Classification and Categorization of Storage basis the Applications to be hosted on them and opting for (1) All Flash Storage for performance hungry applications and (2) Combination of Flash and SAS Storage for other SMC Applications.	<p>We understand that SMC intends to procure and deploy Storage solutions as part of (i) ICCC RFP and (ii) ERP RFP. ICCC Plaform typically include performance hungry layers/applications such as:</p> <p>(a) Data Acquisition Layer - real time data from sensors devices, data sources, static and real time data feeds from different applications, systems and databases etc.</p> <p>(b) Datacenter Layer - data analysis, machine learning, artificial intelligence</p> <p>(c) Data Aggregation and Analytics Layer - extraction and transformation of data from different systems, data sources and different data formats</p> <p>(d) Business Logic Application Layer</p> <p>(e) Command Control Center Layer &amp; Security Layer</p> <p>ERP Platform typically include performance hungry layers/applications such as:</p> <p>(a) ERP Core Modules</p> <p>(b) E-office applications using DMS and BPM</p> <p><b>For above ICCC &amp; ERP Platforms, having performance oriented &amp; higher throughput All-Flash Storage with 500TB usable capacity using SSD's not more than 4TB in RAID 6 will be technically more viable and very promising solution for SMC.</b></p>	No Change. RFP term prevails
231.	15.38		Annexure III- Technical requirements for ICT Components	Suggestions	Classification and Categorization of Storage basis the Applications to be hosted on them and opting for (1) All Flash Storage for performance hungry applications and (2) Combination of Flash and SAS Storage for other SMC Applications.	In addition to the above point # 14, a <b>second SAN storage for routine SMC Applications and other non business critical &amp; non mission critical application / data can be stored on 600TB usable capacity using SAS drives not more than 2.5TB in</b>	No Change. RFP term prevails

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						<p><b>RAID 6 and 400TB usable capacity using NL-SAS drives not more than 8TB in RAID 6 will be technically more viable and promising solution for SMC.</b></p> <p>We believe that by categorizing the storage according to Applications hosted on them will be very useful and it will also remove performance overheads arising out of archival capacity tier on high performance SSD Tier in a single storage system.</p>	
232.	15.39	215	Annexure III- Technical requirements for ICT Components	42U Rack for Servers	Rack Width: 600mm Rack Depth/Length: 1000 mm to 1070 mm, Rack Height : 42U	Kindly confirm the electrical consumption of all the racks ?	As per Bidder's solution
233.	15.39	215	Annexure III- Technical requirements for ICT Components	42 U Rack for Servers		Inclusion of WQ India Brand	No Change. RFP term prevails
234.	15.39	215	Annexure III- Technical requirements for ICT Components	42U Rack	General Query	Please allow Isurf Make for 42U Rack.	No Change. RFP term prevails
235.	15.42	219	Annexure III- Technical requirements for ICT Components	Point no 1. Enterprise Security & Antivirus Software License for Server	Enterprise Server Security Software shall provide server security, network security and application security covering Antivirus, Antimalware, IDS/IPS, Web Application Protection, etc. to ensure complete security	We can only provide complete Endpoint protection for Client Machines and server. Application security is part of WAF. Request to remove "Network Security and Application Security" from given clause.	No Change. RFP term prevails
236.	15.43	226	Annexure III- Technical	Point no 1.VM based Network	VM Hosted (VMWare/Hyper-V)	If possible, we would suggest to allow hardware based NAC appliance as well so	No Change. RFP term prevails

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			requirements for ICT Components	Access Control Solution		that customer can get price benefit also Hardware is a purpose built appliance which ensured better performance, reliability and accountability over VM based deployments.	
237.	15.43	226	Annexure III- Technical requirements for ICT Components	Point no 15.VM based Network Access Control Solution	It should provide integration for Inbound & Outbound Security Events.	Request you to modify this point as mentioned below for better clarity on the use case. <b>Solution should support integration with FW/SIEM and other security solutions for securing both Inbound &amp; Outbound Threat Events.</b>	No Change. RFP term prevails
238.	15.43	226	Annexure III- Technical requirements for ICT Components	Point no 22.VM based Network Access Control Solution	Product Solution offered must have capacity for support of minimum 15,000 Concurrent Ports/End Device/End Users.  Product/Solution/Modules offered must be with 5 years subscription base license( from the date of Go-live) provided with perpetual licence initially for minimum 5,000 Concurrent Ports/ Ports/End Device/End Users which also includes IoT, BYoD, guests devices and it should be upgradable up to at least 15,000 Concurrent Ports/End Device/End Users in future if required with additional licence.  Note: SI is required to provide atleast 1 major upgrade during the 5 years of Contract period, if any	The licensing model of each Vendor is different. For a virtual deployment, we support only subscription based licenses. Hence, re quest you to modify the following point as follows to allow greater participation. <b>Product Solution offered must have capacity for support of minimum 15,000 Concurrent Ports/End Device/End Users.</b>  <b>Product/Solution/Modules offered can be either subscription or perptual based with 5 years support/warranty (from the date of Go-live). Solution should be upgradable with additional licenses up to at least 15,000 Concurrent Ports/End Device/End Users in future if required providing all feature functionality whcih includes IoT, BYoD, guests, NAC, AAA and Profiling.</b>  <b>Note: SI is required to provide atleast 1 major upgrade during the 5 years of Contract period, if any</b>	No Change. RFP term prevails
239.	15.43	227	Annexure III- Technical	VM based Network Access	Product/Solution should be able to Enrol guest, BYOD, and IOT devices and provide protection	Please remove "protection against modern day threats/challenges"	No Change. RFP term prevails

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			requirements for ICT Components	Control Solution, point 9	against modern day threats/challenges from IoT, BYoD, guests etc.	This feature will be done through firewall or other security devices. NAC is used for access control not for threat detection tool. NAC will integrate with threat detection tool and applied the policy based on threat event.	
240.	15.43		Annexure III- Technical requirements for ICT Components	VM based Network Access Control Solution	Suggestion	Solution must support Multifactor Authentication capabilities from day one either out-of-the-box or through integration for enhanced security. If MFA is based on integration, Bidder should provide the required solution as part of NAC.	No Change. RFP term prevails
241.	15.43		Annexure III- Technical requirements for ICT Components	VM based Network Access Control Solution	Suggestion	Solution must support TACACS+ for securing network device administration and controlling unauthorized access to switches, routers, etc.	No Change. RFP term prevails
242.	15.43		Annexure III- Technical requirements for ICT Components	VM based Network Access Control Solution	Suggestion	Solution must have UEBA capabilities to mitigate spoofing and other attacks based on user and device anomalies.	No Change. RFP term prevails
243.	15.49	217	Annexure III- Technical requirements for ICT Components	42 U Rack for Network Devices		Inclusion of WQ India Brand	No Change. RFP term prevails
244.	16	233	Annexure IV	Scope & requirements for Data Center & other Components	Integration with existing UPS System	We understand that the UPS at site is already available. However request to kindly confirm the capacity & if required, new UPS can be suggested by SI depending on their load calculation at ICCC.	No Change. RFP term prevails. Necessary details will be shared with the successful bidder

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						If yes then detailed specifications can be added in the RFP	
245.	16	233	16 Annexure IV- Scope & requirements for Data Center & other Components	ICCC Building Drawing	ICCC building is comprising of the Data Center Room at the 2nd floor. The dimensions of the same are 17,300 mm x 7620 mm. The drawing of the building is attached for reference.	<ol style="list-style-type: none"> <li>Existing Site layout of buildings with the marking of existing Transformer, DG Sets with the routing of cables to the panel room?</li> <li>Existing Panel room layout with the marking of panels, cable duct sizes etc.</li> <li>Proposed DC architecture layout with the marking of new electrical room, UPS room etc.</li> </ol>	Please refer to the Building drawings which has been uploaded with the RFP for required information
246.	16	233	16 Annexure IV- Scope & requirements for Data Center & other Components	ICCC Building Drawing	The drawing of the building is attached for reference	The drawing of the building and the data centre area is not given. Request to kindly provide the same.	Please refer to the Building drawings which has been uploaded with the RFP for required information
247.	16	233	16 Annexure IV- Scope & requirements for Data Center & other Components	Integration	Integration with existing UPS System & DG Set.	<ol style="list-style-type: none"> <li>Ratings of existing transformer, DG Sets and UPS.</li> <li>Single Line Diagram of Existing Pnel.</li> </ol>	Necessary details will be shared with the successful bidder
248.	16	233	Annexure IV- Scope & requirements for Data Center & other Components	Rack space	SSCDL will provide the space of approximately 1400 sq.ft. The DC hosting space is designed to house 30 racks and the selected SI will be required to supply, install and commission 15 racks which will be used to host the server, storage and network equipments proposed as part of this project. This rack space will also host SSCDL/SMC's own IT infrastructure. Further existing racks pertaining to other operational systems like AFCS, ITMS, ITCS,	Kindly confirm the total number of racks by considering the future aspects.	The clause is self-explanatory



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					etc.will be shifted to DC on successful commissioning of the DC.		
249.	16.12	257	Annexure IV- Scope & requirements for Data Center & other Components	PAC		Inclusion of WQ India Brand	No Change. RFP term prevails
250.	19	260	Annexure VII- Master Service Agreement	Insurance	<p>7. Insurance</p> <p>The bidder will be required to undertake the insurance for all components of the ICCC Project which has been procured under this RFP.</p> <p>i. Insurance during the Contract Period</p> <p>The System Integrator shall, at its cost and expense, purchase and maintain during the Contract Period, such insurances as are necessary including but not limited to the following:</p> <ul style="list-style-type: none"> <li>• Hardware delivered and installed to the extent possible at the replacement value with Authority as beneficiary.</li> <li>• Fire and allied natural calamities for the Central Control Centre limited to the scope of supply at replacement value with the Authority as beneficiary;</li> <li>• System Integrator’s all risk insurance with the Authority as co-beneficiary;</li> <li>• Comprehensive third party liability insurance with the SMC/SSCDL as co-beneficiary;</li> <li>• Workmen’s compensation insurance with the SMC/SSCDL as co-beneficiary;</li> <li>• Any other insurance that may be necessary to protect the System Integrator, its employees and the Project against loss, damage or destruction at replacement value including all Force Majeure Events that are insurable and not otherwise</li> </ul>	<p>Request you to amend as follows:</p> <p>The bidder will be required to undertake the insurance for all components of the ICCC Project which has been procured under this RFP.</p> <p>i. Insurance during the Contract Period</p> <p>The System Integrator shall, at its cost and expense, purchase and maintain during the Contract Period, such insurances as are necessary including but not limited to the following:</p> <ul style="list-style-type: none"> <li>• Hardware delivered and installed to the extent possible at the replacement value with Authority as beneficiary.</li> <li>• Fire and allied natural calamities for the Central Control Centre limited to the scope of supply at replacement value with the Authority as beneficiary;</li> <li>• System Integrator’s all risk insurance <del>with the Authority as co-beneficiary;</del></li> <li>• Comprehensive third party liability insurance <del>with the SMC/SSCDL as co-beneficiary;</del></li> <li>• Workmen’s compensation insurance <del>with the SMC/SSCDL as co-beneficiary;</del></li> <li>• Any other insurance that may be necessary to protect the System Integrator, its employees and the Project against loss,</li> </ul>	No Change. RFP term prevails

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					covered in items (a) to (e) with the Authority as beneficiary/co-beneficiary;	damage or destruction at replacement value including all Force Majeure Events that are insurable and not otherwise covered in items (a) to (e) with the Authority as beneficiary/co-beneficiary;	
251.	19	271	Annexure VII- Master Service Agreement	Indemnity:	<p>Indemnity:</p> <p>ii) The failure by the System Integrator to fulfil any covenant or condition contained in this Agreement, including without limitation the breach of any terms and conditions of this Agreement, RFP and Addenda &amp; Corrigenda thereto by any employee or agent of the System Integrator. Against all losses or damages arising from claims by third Parties that any Deliverable (or the access, use or other rights thereto) created by System Integrator pursuant to this Agreement, or any equipment, software, information, methods of operation or other intellectual property created by System Integrator or sub-contractors pursuant to this Agreement, (I) infringes a copyright, trade mark, trade design enforceable in India, (II) infringes a patent issued in India, or (III) constitutes misappropriation or unlawful disclosure or use of another Party's trade secretes under the laws of India (collectively, "Infringement Claims"); provided, however, that this will not apply to any Deliverable (or the access, use or other rights thereto) created by (A) "Implementation of Project by itself or through other persons other than System Integrator or its sub-contractors; (B) Third Parties (i.e., other than System Integrator or sub-contractors) at the direction of SSCDL, or</p> <p>iii) any compensation / claim or proceeding by any third party against SSCDL arising out of any act, deed or omission by the System Integrator or</p>	<p>Request you to amend as follows:</p> <p>Indemnity:</p> <p>ii) The failure by the System Integrator to fulfil any covenant or condition contained in this Agreement, including without limitation the breach of any terms and conditions of this Agreement, RFP and Addenda &amp; Corrigenda thereto by any employee or agent of the System Integrator. Against all losses or damages arising from claims by <del>third Parties that any Deliverable (or the access, use or other rights thereto) created by System Integrator pursuant to this Agreement,</del> or any equipment, software, information, methods of operation or other intellectual property created by System Integrator or sub-contractors pursuant to this Agreement, (I) infringes a copyright, trade mark, trade design enforceable in India, (II) infringes a patent issued in India, or (III) constitutes misappropriation or unlawful disclosure or use of another Party's trade secretes under the laws of India (collectively, "Infringement Claims"); provided, however, that this will not apply to any Deliverable (or the access, use or other rights thereto) created by (A) "Implementation of Project by itself or through other persons other than System Integrator or its sub-contractors; <del>(B) Third Parties (i.e., other than System Integrator or sub-contractors) at the direction of SSCDL,</del></p>	No Change. RFP term prevails

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						or  iii) any compensation / claim or proceeding by any third party against SSCDL arising out of any act, deed or omission by the System Integrator or	
252.	19	272	Annexure VII- Master Service Agreement	Third Party Claims	11. Third Party Claims	Request you to delete this clause	No Change. RFP term prevails
253.	19	274	Annexure VII- Master Service Agreement	Force Majeure & Vandalism	14. Force Majeure & Vandalism	Request to include Terrorism as a Force Majeure Condition.	No Change. RFP term prevails
254.	19	275	Annexure VII- Master Service Agreement	15.Resolution of Disputes	The SSCDL and the SI shall make every effort to resolve amicably, by direct informal negotiation, any disagreement or dispute arising between them under or in connection with the Agreement. If after 30 days from the commencement of such informal negotiations, the SSCDL and the SI are unable to resolve amicably such dispute, the matter will be referred to the Chairman, SSCDL, and his / her decision shall be final and binding to both.	we recommend to have a neutral dispute resolution mechanism i.e. through Arbitration hence we recommend to modify the said clause as below: "The SSCDL and the SI shall make every effort to resolve amicably, by direct informal negotiation, any disagreement or dispute arising between them under or in connection with the Agreement. If after 30 days from the commencement of such informal negotiations, the SSCDL and the SI are unable to resolve amicably such dispute, the matter will be referred to the Sole Arbitrator appointed by both the Parties and his / her decision shall be final and binding to both."	No Change. RFP term prevails
255.	19	275	Annexure VII- Master Service Agreement	16.Limitation of Liability towards SSCDL	The SI shall be liable to the SSCDL for loss or damage occurred or caused or likely to occur on account of any act of omission on the part of the SI and its employees, including loss caused to SMC / SSCDL on account of defect in goods or deficiency in services on the part of SI or his agents or any person / persons claiming through or under said SI.	This amount is very high. We recommend the liability cap of 20% of the total contract value and recommend to modify the clause as under by replacing the below text in place of text marked in red: "The SI shall be liable to the SSCDL for loss or damage occurred or caused or likely to	No Change. RFP term prevails

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					However, such liability of SI shall not exceed the contract value.	occur on account of any act of omission on the part of the SI and its employees, including loss caused to SMC / SSCDL on account of defect in goods or deficiency in services on the part of SI or his agents or any person / persons claiming through or under said SI. However, such liability of SI shall not exceed 20% of the total contract value."	
256.	19	275	Annexure VII- Master Service Agreement	Limitation of Liability towards SSCDL	16. Limitation of Liability towards SSCDL This limitation of liability shall not limit the SI's liability, if any, for damage to Third Parties caused by the SI or any person or firm acting on behalf of the SI in carrying out the scope of work envisaged herein.	Request you to delete this clause: <del>This limitation of liability shall not limit the SI's liability, if any, for damage to Third Parties caused by the SI or any person or firm acting on behalf of the SI in carrying out the scope of work envisaged herein.</del>	No Change. RFP term prevails
257.	19	279	Annexure VII- Master Service Agreement	23. Termination of Contract	23. Termination of Contract	Request you to accommodate "Termination by Supplier" clause as well	No Change. RFP term prevails
258.	19	280	Annexure VII- Master Service Agreement	24. Miscellaneous	Except with the prior written permission of SSCDL, the Systems Integrator (including all consortiums or partners) and its Personnel shall not disclose such confidential information to any person or entity not expected to know such information by default of being associated with the project, nor shall the Systems Integrator and its Personnel make public the recommendations formulated in the course of, or as a result of the Project.	SSCDL may have the access to SI's confidential data as well however this clause is one sided. We should recommend to modify the said clause as under to make it neutral : "Except with the prior written permission of Disclosing Party, the Receiving Party (including all consortiums or partners) and its Personnel shall not disclose such confidential information to any person or entity not expected to know such information by default of being associated with the project, nor shall the Receiving Party and its Personnel make public the recommendations formulated in the course of, or as a result of the Project."	No Change. RFP term prevails

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259.	19	285	Annexure VII- Master Service Agreement	PBG	The SI shall submit performance guarantee which is unconditional & irrevocable equal to 10% of the order value of the contract in the format prescribed in RFP issued by any of the Nationalized Banks Only.	This is in contradiction with the clause 6.28 page 44 -We hereby request you to amend this caluse and allow us to submit Performance security from Scheduled commercial Bank	Please refer to the Addendum & Corrigendum 2
260.	13.15.1	121	Annexure I: Detailed Scope of Work and Considerations	Warranty, ATS and Annual Maintenance Services	SI shall provide comprehensive and on-site warranty (for 5 years or for 3 years followed by 2 years of comprehensive onsite AMC depending on the component) from the date of Go-Live for the infrastructure deployed on the project	We request you to consider warranty of 5 years from date of respective supply or 24 months from date of commissioning	No Change. RFP term prevails
261.	13.15.1	121	Annexure I: Detailed Scope of Work and Considerations	Warranty, ATS and Annual Maintenance Services	SI shall provide warranty, ATS and maintain the IT infrastructure and software infrastructure for the entire solution provided to SMC/SSCDL. System Integrator shall provide the comprehensive manufacturer's warranty in respect of proper design, quality and workmanship of all hardware, equipment, accessories etc. covered by this bidding document. System Integrator must warrant all hardware, equipment, accessories, spare parts, software etc. procured and implemented as per this bidding document against any manufacturing defects during the warranty period.	Supplier is not liable for failure to comply with the warranty in any of the following events: i) defects resulting from inadequacy, mistake or omissions in the drawings, specifications, data or technical requirements supplied by Engineer; ii) Engineer alters or repairs such works without the written consent of supplier in case of default / undue delays by Engineer, deemed consent applies; or the defect arises as a result of normal wear and tear, willful damage, negligence or abnormal storage or working conditions or any misuse of the works, including in particular damage resulting from rough handling or welding or the defect arises because the Engineer failed to follow the supplier's written instructions as to the storage, commissioning, installation, use and maintenance of the works or (if there are none) good trade practice regarding the same; iii) The deterioration of works or any part thereof due to negligence or faulty handling or supervision (in case the same is not done by supplier) or incorrect operation or use	No Change. RFP term prevails

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						which is not in conformity with the technical requirement set out by supplier; iv) defects resulting from modifications or repairs performed by Engineer or third Party providers.	
262.	4.2.4	17	Scope of Services for the Project	Business Logic Application Layer	Business Logic Application Layer will be the core application engine of the ICCC platform which help end user to design and configure standard operating procedure, manage external and internal trigger, policy implementation, and handling complex events.	The proposed ICCC solution must have workflow component which should be used for SOP Automation. The Minimum capabilities like forms builder/designer, process designer/builder with drag and drop functionalities and inbuilt process analytics. The SOP is sought but if done using bespoke application will be difficult to manage and hence seeking to consider a workflow solution	No Change. RFP term prevails
263.				EMD	Suggestion	Requesting you to kindly provide EMD exemption for MSME organization, as currently Govt. of India is supporting MSME to participate in tenders	No Change. RFP term prevails
264.				Scope	General Query	Please provide total no. of operator licenses required for ICCC Software ?	Please refer to the Addendum & Corrigendum 2
265.				Scope	General Query	We are assuming Disaster Recovery is not part of this project. Kindly confirm.	Yes, the understanding is correct
266.				Suggestions	Additional Clause Delay by Employer	Request you to please consider this clause. Any delay by the Buyer or its authorised agents for the reason not attributable to Supplier shall lead to following, 1) Compensation on account of additional engagement of Supplier manpower, tools, tackles and machineries 2) Compensation on account of additional expenses incurred by the Supplier to run the site 3) Compensation on account of additional	No Change. RFP term prevails

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						cost incurred by Supplier for extension of insurance, bank guarantees etc. 4) Compensation on account of additional delay in receiving payments by the Supplier. 5) Compensation on account of variation in commodity and labour prices. 6) Issuance of contractual delivery extension without imposition of LD within 15 days from the request by Supplier.	
267.				Suggestions	Additional Clause Extension of Time Limit for completion :	Request you to please consider this clause. 1) Contractor shall be entitled for extension of time for completion without imposition of liquidated damages under following conditions, i) Change in the Scope ii) Any occurrence of Force Majeure ii) Any suspension order given by the Purchaser iii) Any changes in laws and regulations iv) Any default or breach of the Contract by the Purchaser v) Any delay on the part of a Subcontractor, provided such delay is due to a cause for which the Contractor himself would have been entitled to an extension of time vi) Delays attributable to the Purchaser vii) Any other delay beyond the reasonable control of the Contractor 2) Contractor shall be compensated for all the additional cost on account of such delays.	No Change. RFP term prevails
268.					Suggestion	IoT systems are also susceptible to known network attacks such as DDoS and spoofing. In this project we have all IOT devices which are connecting to DC/DR setup. To protect all IOT devices from the DDoS attacks we need advance protection mechanism.	No Change. RFP term prevails

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						<p>Since there is no technical specification mentioned for Advance DDoS and found missing in the RFP. Request you to consider the same in the RFP .</p> <p>A DDoS attack takes a website down by flooding the targeted server with traffic, overloading it to the point of inoperability. Customers has experienced rapid rises with incidents increasing almost five-fold, so Advance DDoS will covers all type of Network DDoS and DNS attacks (DNSSEC, DNS RPZ, Threat intel-IP intelligence, DNS DDoS, DNS IPS, DNS protocol anomaly, DNS L7 policy enforcement, Protocol anomaly.</p> <p>Recent bridges are witness like phishing, ransomware, &amp; DoS attacks, we should consider Advance DDoS along with other network security components.</p> <p>I would request customer to include below functionality advance protection feature which will protect from advance attack trends.</p> <p>Minimum specification / changes required are as below:</p> <ol style="list-style-type: none"> <li>1. System should Protect against SSL/TLS-encrypted Attacks with a FIPS-2 compliant Internal/External through SSL offloader.</li> <li>2. The DDoS solution should support 20G SSL throughput &amp; SSL DDoS Inspection with 30K SSL TPS @2k bit Key RSA and 20K SSL TPS with ECC.</li> <li>3. System should have Behavioral DoS approach, challenge response, CAPTCHA based approach for immediate mitigation of flood attacks—protecting against zero-day</li> </ol>	



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						<p>DoS and DDoS attacks without manual intervention.</p> <p>4. Should have inbuilt advance and Hardware accelerated purpose-built TLS stack for Key exchange and bulk inspection; RC4, DES, 3DES, AES-CBC, AES-GCM, AES-GMAC, RSA, DSA, DH, ECDSA, ECDH, MD5, SHA, SHA2 ciphers with FIPS 140-2 Levels 3.</p> <p>5. All layer 3, 4, and 7 DoS/DDoS threats including flood/sweep with Src/Dst IP address awareness, UDP/DNS/HTTP/TCP/SIP/SYN/ ACK/RST/FIN using sub-second detection, network behavior analysis, 120+ DDoS vectors, application anomaly detection, dynamic filtering, protocol analysis, source tracking, control policies, and more.</p> <p>6. The DDoS solution hardware or operating system should be EAL or NDPP/NDcPP (Network Device Protection Profile)/FIPS certified under Common Criteria Program for security related functions.</p>	
269.					General Query	<p>How many users for ICCC application are required,</p> <ol style="list-style-type: none"> <li>1. Desktop Users (CCC operators)</li> <li>2. Web clients for mobiles and laptop access</li> </ol> <p>Please clarify users as approximate number can help in providing right size solution with out redundancies built in to the system that will be lying unused. Usually we see 25-100 users , Kindly confirm</p>	Please refer to the Addendum & Corrigendum 2
270.					Suggestion	<p><b>Request to add clause as :</b>                      ICCC OEM must not be same as any of the sub-systems involved in the project be it software or hardware. This is to make sure CCC OEM is absolutely agnostic to any third</p>	No Change. RFP term prevails

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						<p>party systems and is not biased towards its own company products.</p> <p>Justification: In a number of projects (in India and internationally) it has been observed that many CCC OEMs provide other sub-systems from their own company. Firstly, it shows they are not open to third party systems, Secondly, not open to integrations (which is key requirement of the solution) and third, in case if any of the sub-system needs changing in future (because of performance issues or other) then CCC dependency on that system would be a big concern. Based on a number of projects in past it is strongly suggested to not allow multiple systems from CCC OEM. This includes Network, CCTV, VMS, GIS or any other Smart City Sub-System.</p>	
271.					Suggestion	<p><b>Request to add clause as :</b></p> <p>ICCC OEM must have minimum 5+ existing Indian customers using its Integrated Command &amp; Control Software, as thick-client, in any vertical. And 10+ existing customers using it internationally. Customer reference letters may be requested on demand.</p> <p>Justification: CCC platform should have experience of deployment in different environment, vertical and region. Hence the references should be asked for multiple integrated projects deployments with different use cases, other verticals and its international presence. This is important because CCC is going to be the heart of the system and its robustness is the key to project success.</p>	No Change. RFP term prevails

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272.					Suggestion	<p><b>Request to add clause as :</b>                      ICCC Operator Terminal Application must a 'thick Client' based on Client - Server architecture. Completely Web based systems are not valid or suited for such an integrated and robust B2B application.                      Justification: This is a system which involves complex interfaces with video, GIS and other data related systems. A browser based client will not be acceptable - as that is vulnerable and very limited for the project requirements. To avoid complete dependency and load on CCC servers for video streaming, this is critical to have thick client based application which gets installed on operator terminals and communicate with VMS direct. Most industry standard platforms provide such architecture.</p>	No Change. RFP term prevails
273.					Suggestion	<p><b>Request to add clause as :</b>                      ICCC application must have inbuilt Video Drivers to play live and recorded video feeds from multiple video management systems.                      Justification: As explained above that deep interfacing with third party VMS (one or more) is absolutely critical in a CCC platform. It is vital that the CCC platform should be able to integrate with exiting and upcoming third party video management systems (and not only the cameras). Incident footages might need to be extracted within CCC for investigation purpose. So an extensive support of integration with multiple VMS (for live as well as recorded footage access) is critical in CCC application.</p>	No Change. RFP term prevails
274.					General Query	RFP not included the use of bidding entity's parent company technical and financial	No Change. RFP term prevails

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						<p>experience for tender evaluation.</p> <p>Requesting SSCDL to kindly allow the bidder, who is a 100% subsidiary of a Foreign/Indian parent company to use its parent company's financials and project experience for meeting the eligibility criteria and technical evaluation criteria sought in the RFP.</p>	
275.					General Query 1	Request you to confirm whether ,SSDCL is a Government organisation under GST Act definition .	Please refer to the information on <a href="https://www.suratsmartcity.com/">https://www.suratsmartcity.com/</a>
276.					General Query 2	Request you to provide supporting documents to substantiate if the answer to general query 1 is yes	Please refer to the information on <a href="https://www.suratsmartcity.com/">https://www.suratsmartcity.com/</a>
277.					General Query 3	Request you to confirm ,whether the original work/service taken under this contract is used by SSDCL for other than for commerce, industry, or any other business or profession. & work/service under this contract are in relation to work entrusted by Central/State Govt or union territory or local Authority	Query not clear
278.					General Query	Please provide details of make & model number of existing systems for which integration to be considered by Bidder	Necessary details will be shared with the successful bidder
279.					General	What is the total number of concurrent users expected on ICCC core application including field\mobile users?	Please refer to the Addendum & Corrigendum 2
280.					General	As GIS integration is the key requirement for SSCDL with other systems and technology . We request authority to add that GIS platform must be based on Open Standards and support OGC services such as WMS 2.0,	Please refer to the Addendum & Corrigendum 2

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						WFS 2.0 , i3s and WPS as this is the must requirement for integrations for geospatial service interoperability. Lacking of these standard would lead to integration and delivery challenges.	
281.					General	We suggest, that detailed BOM & BOQ for GIS Software platform should be mentioned in the RFP. Number of Mobile and Number of Web GIS software with the compliace to the features asked in RFP.	Please refer to the Addendum & Corrigendum 2
282.					General	The manufacturer of the GIS system/software shall be among market leaders as per respective/relevant Gartner/Forrester report.	No Change. RFP term prevails
283.					Suggestion	<p>Cyber attacks are happening and are constantly evolving which will impact the integration layer like ICCC &amp; TSCCC. WAF solution is required for all applications which will protect your integration layer like SOAP/JOSON REST API. Since from architecture perspective our understanding is WAF will protect you from all advance L7/application thread like SOAP/JOSON REST API.</p> <p>Since there is no technical specification mentioned for Web Application Security and found missing in the RFP. Request you to consider the same in the RFP.</p> <p>API security has traditionally been enforced at the edge through a gateway pattern, but modern applications have redefined the rules of the game. Applications often rely on multiple internal, public, or partner APIs. In addition, the adoption of microserv. I would request customer to include below functionality advance protection feature</p>	No Change. RFP term prevails

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						<p>which will protect from advance attack trends.</p> <p>Minimum specification / changes required are as below:</p> <ol style="list-style-type: none"> <li>1. The proposed WAF must have Application layer encryption to support the encryption of credentials on real time to ensure the protection from credential based attack.</li> <li>2. The proposed solution must provide protection against attacks designed to abuse the application functionality. the solution must offer visibility into synthetic traffic ornated by bots and legit human traffic. SI must design and size the solution for both web and mobile based application using mobile SDK.</li> <li>3. Application Layer Encryption service which allows Application security solution to protect credentials and sensitive fields from compromise at the client/browser level.</li> <li>4. Solution must use AI/ML based algorithms to detect the anomaly in the application behavior and must not reply on old generation signature-based technologies to detect and prevent the sophisticated attacks including gift card cracking, card enumeration, skimming, password spraying, scraping, spambots &amp; synthetic identities</li> <li>5. Solution must provide the comprehensive coverage for all the channels and provide coverage of all the attack vectors including web, mobile and API; s and prevent the automated traffic from reaching the origin server.</li> <li>6. The WAF solution should have Behavioral DoS support across all virtual servers using advanced analytics and machine learning to</li> </ol>	

**RFP for Selection of Implementing Agency for Integrated Command Control Centre (ICCC) in Surat**  
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						generate dynamic signatures and block malicious traffic without administrator intervention. 7. The solution must be a Leader or Challenger in the Gartner Magic Quadrant of Web Application Firewalls 2019. 8. The WAF solution hardware or operating system should be EAL or NDPP/NDcPP (Network Device Protection Profile) certified under Common Criteria Program for security related functions.	