



**Surat  
Municipal  
Corporation**

**ADDENDUM & CORRIGENDUM-2**

**REQUEST FOR PROPOSAL**

**FOR**

**SELECTION OF IMPLEMENTATION AGENCY FOR  
INTEGRATED COMMAND AND CONTROL CENTER  
(ICCC) IN SURAT CITY**

**RFP No.: SSCDL-ICCC-RFP-01-2019**

**Last date for Price Bid Submission: 06.05.2019**



Invited by

Surat Smart City Development Limited

115, Smart City Cell, Surat Municipal Corporation,  
Muglisara, Main Road, Surat - 395003, Gujarat.

**Surat Smart City Development Limited**

**ADDENDUM AND CORRIGENDUM-2**

**RFP Notification No.: SSCDL-ICCC-RFP-01-2019**

---

The Bidder are requested to take note of the following changes made in the RFP documents, which are to be taken in to account while submitting the RFP. They shall be presumed to have done so and submitted the RFP accordingly.

- This Addendum and Corrigendum shall be the part of the RFP documents.
- All items specified in this Addendum and Corrigendum supersede relevant items to that effect as provided in the original RFP documents. All other specifications, terms and conditions of the original RFP document shall remain unchanged.
- Bidder shall read and consider following points, which shall be a part of the RFP documents.
- All the changes mentioned in this document should be read across the RFP, Addendum & Corrigendum, wherever applicable.
- **The queries raised and given by bidders, but the clarifications are not made in this Addendum and Corrigendum shall be considered to remain unchanged as per the terms and conditions mentioned in the original RFP documents.**

**Changes with respect to RFP Schedule**

Please note that with respect to tendering schedules, the following changes have been effected. Bidders are requested to take note of the same and adhere to the dates specified hereunder with regards to Price Bid Submission and Technical Bid Submission:

<b>Particular</b>	<b>Current Dates</b>	<b>Proposed Dates</b>
<b>Online Price Bid Submission Date</b>	22.04.2019 up to 18:00 hrs.	<b>06.05.2019</b> up to 18:00 hrs.
<b>Technical Bid Submission (in Hard Copy)</b> Filled-in Technical Bid along with Bid Fee, EMD and other documents	In sealed envelope strictly by RPAD/Postal Speed Post On or before 26.04.2019 up to 18:00 hrs. To the Chief Accounts, Surat Municipal Corporation, Muglisara, Surat – 395003, Gujarat by RPAD or Speed Post Only.	In sealed envelope strictly by RPAD/Postal Speed Post On or before <b>10.05.2019</b> up to 18:00 hrs. To the Chief Accounts, Surat Municipal Corporation, Muglisara, Surat – 395003, Gujarat by RPAD or Speed Post Only.

**ADDENDUM & CORRIGENDUM-1: RFP for Selection of Implementing Agency for Integrated Command Control Centre (ICCC) in Surat [RFP No.: SSCDL-ICCC-RFP-01-2019]**



**Other Changes**

#	Section	Page No.	Tender Reference	Existing Clause	Amended/New Clause
1.	5.1	20	Bidder's Eligibility Criteria		Please refer to <b>Annexure I</b> for revised Bidder's Eligibility Criteria
2.	5.2	23	OEM's Eligibility Criteria		Please refer to <b>Annexure II</b> for revised OEM's Eligibility Criteria
3.	6.22	36	Technical Evaluation Criteria		Please refer to <b>Annexure III</b> for revised Technical Evaluation Criteria
4.	8.2	53	Payment Schedule		Please refer to <b>Annexure IV</b> for revised Technical Evaluation Criteria
5.	15.40	74	Addendum & Corrigendum, 1	Video Conference System	Please refer to <b>Annexure V</b> for revised Specifications

## ANNEXURE-I

### 5.1 Revised Bidder's Eligibility Criteria

**Note: For evaluation following definition is considered**

- The total Project value shall be considered as Capex Cost + Opex Cost
- OEM experience will not be considered for Pre-Qualification Criteria and Technical Evaluation.
- **Integrated Command & Control Centre (ICCC)/ Command Control Centre (CCC): ICCC/CCC Project is defined** as those project where Command Centre Application is implemented along with Video Wall component. 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.
- In case of Consortium only 2 partners are allowed including Prime Bidder. For more details on Consortium please refer to the section 6.6

#	Eligibility Criteria	Proof Document Required	Applicable to Sole Bidder	Applicable to Consortium
1.	<p>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.</p> <p>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</p>	<p>Copy of certification of incorporation issued by competent authority/ Registration Certificate</p>	Yes	Yes
2.	<p>Bidder/ Primer Bidder should have a minimum average annual turnover of <b>Rs. 100 crore</b> from ICT based business for last three financial years i.e. FY 2017-18, FY 2016-17, 2015-16</p> <p>In case of Consortium, Consortium Partner should have a minimum average annual turnover of <b>Rs. 25 crore</b> from ICT business for</p>	<p>Copy of the Audited Profit and Loss statement and statutory auditor / CA certificate from a regarding turnover.</p> <p>The certificate should be originally signed or notarized.</p>	Yes	Yes

#	Eligibility Criteria	Proof Document Required	Applicable to Sole Bidder	Applicable to Consortium
	<p>last three financial years i.e. FY 2017-18, FY 2016-17, 2015-16</p> <p>The copies of Audited Annual Accounts for last three years to be submitted along with the bid [Financial Years of 2015-16, 2016-17 and 2017-18].</p>			
3.	<p>Bidder/ Consortium should have a positive net worth as on 31<sup>st</sup> March 2018</p>	<p>Certificate from the statutory auditor / CA towards positive net worth of the company. The certificate should be originally signed or notarized</p>	Yes	Yes (All Members of Consortium)
4.	<p>Sole Bidder / Prime Bidder (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</p> <p>One project costing not less than the amount equal to INR 20 Cr. with ICCC application <b>with or without</b> video wall 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 <b>with or without</b> video wall 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 <b>with or without</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> </ul>	Yes	Yes (Prime Bidder in case of Consortium)

#	Eligibility Criteria	Proof Document Required	Applicable to Sole Bidder	Applicable to Consortium
	video wall solution component worth minimum INR 1.25 Cr.			
5.	<p>In case of consortium, the consortium partner 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>1. Copy of completion certificate issued by client</p> <p>2. Copy of Work order / Contract</p>	No	Yes (Consortium Partner)
6.	Bidder should be registered for GST number in India.	GST Registration Certificate PAN Card	Yes	Yes (All Members of Consortium)
7.	Bidder should not be blacklisted or debarred by any Government / PSU in India at the time of submission of the bid.	Declaration letter by bidder as per format given in the RFP document	Yes	Yes (All Members of Consortium)

## ANNEXURE-II

### 5.2. Revised OEM’s Eligibility Criteria

#	Selection criteria for the OEM	Proof Document Required
<b>A</b>	<b>Active Network Equipment (Network Switches)</b>	
<b>1.</b>	OEM must be listed in Leader’s Quadrant of the latest Gartner Magic Quadrant for Wired and Wireless LAN Access Infrastructure.	Latest and relevant report from Gartner to be submitted clearly showing presence of the OEM.
<b>2.</b>	<p><b>Commitment to Support</b> The OEM should commit to support the product proposed in the scope of this RFP for at least five (5) years. End of support date should not have been announced for the product proposed.</p>	OEM self-certification as per Section-TQ_8 indicating the commitment to support along with product roadmap
<b>B</b>	<b>Server</b>	
<b>1.</b>	OEM must be listed in Leader’s Quadrant of the latest Gartner Magic Quadrant for Modular Servers	Latest and relevant report from Gartner to be submitted clearly showing presence of the OEM.
<b>2.</b>	<p><b>Commitment to Support</b> The OEM should commit to support the product proposed in the scope of this RFP for at least five (5) years. End of support date should not have been announced for the product proposed.</p>	OEM self-certification as per Section-TQ_8 indicating the commitment to support along with product roadmap
<b>C</b>	<b>Storage</b>	
<b>1</b>	OEM must be listed in Leader’s Quadrant of the latest Gartner Magic Quadrant for General-Purpose Disk Arrays	Latest and relevant report from Gartner to be submitted clearly showing presence of the OEM.
<b>2</b>	<p><b>Commitment to Support</b> The OEM should commit to support the product proposed in the scope of this RFP for at least five (5) years. End of support date should not have been announced for the product proposed.</p>	
<b>D</b>	<b>ICCC OEM</b>	
<b>1</b>	<p style="background-color: #00ff00;">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, ANPR, RLVD, Wrong side, Speed detection, etc.)</li> <li>2. Intelligent Transit Management System</li> <li>3. Water Supply</li> <li>4. Drainage</li> <li>5. Solid Waste Management</li> </ol>	<ol style="list-style-type: none"> <li>1. Work order of projects for supply of ICCC Solution</li> <li>2. Any client document that clearly specifies the use cases implemented as part of solution.</li> </ol>

#	Selection criteria for the OEM	Proof Document Required
	6. Grievance Redressal System 7. CCTV/ Surveillance Network 8. Smart Street Lighting 9. Revenue Collection Systems (Property Tax, Water Meter Billing, AFCS etc.) 10. Project Management System 11. Network monitoring for large scale WiFi service / dedicated OFC network 12. Smart Parking	
<b>E</b>	<b>Enterprise Security Solution for Servers</b>	
<b>1</b>	OEM must be listed in Leader’s Quadrant of the latest Gartner Magic Quadrant for Endpoint Protection Platforms	Latest and relevant report from Gartner to be submitted clearly showing presence of the OEM



## ANNEXURE -III

### 6.22 Revised Technical Evaluation Criteria

#	Technical Evaluation Criteria	Technical Evaluation parameter	Marks								
<b>A</b>	<b>Bidders Financial Competence &amp; Organizational Strength</b>		<b>20</b>								
1	Bidder's Competence – Turnover	<ul style="list-style-type: none"> <li>The bidder (Prime bidder in case of consortium) having average annual turnover of 100 Cr from ICT based business in last three financial years (FY 2017-18, FY 2016-17, 2015-16) will get 7 of total allocated marks.</li> <li>For every additional <b>Rs.50 Cr</b> of average turnover from ICT business the bidder (Prime bidder in case of consortium) will get additional marks as below, subject to a maximum of 10 marks.</li> </ul> <table border="1" style="width: 100%; margin-top: 10px;"> <thead> <tr style="background-color: #ff0000; color: white;"> <th style="text-align: left;">Average Turnover (in crores)</th> <th style="text-align: center;">Marks</th> </tr> </thead> <tbody> <tr> <td>&gt;= INR 200 Cr</td> <td style="text-align: center;">10</td> </tr> <tr> <td>&gt;= INR 150 Cr. and &lt; INR200 Cr.</td> <td style="text-align: center;">9</td> </tr> <tr> <td>&gt;= INR 100 Cr. and &lt; INR 150 Cr.</td> <td style="text-align: center;">8</td> </tr> </tbody> </table> <p><b>Maximum Marks: 10</b></p> <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> </ul>	Average Turnover (in crores)	Marks	>= INR 200 Cr	10	>= INR 150 Cr. and < INR200 Cr.	9	>= INR 100 Cr. and < INR 150 Cr.	8	10
Average Turnover (in crores)	Marks										
>= INR 200 Cr	10										
>= INR 150 Cr. and < INR200 Cr.	9										
>= INR 100 Cr. and < INR 150 Cr.	8										
2	People in organization	<ul style="list-style-type: none"> <li>The prime bidder having at least 250 FTE (full time employees) on the payroll of organization working on ICT projects will get 7 marks</li> <li>For every additional FTEs as below the bidder will get additional marks subject to maximum of 5 marks.</li> </ul> <table border="1" style="width: 100%; margin-top: 10px;"> <thead> <tr style="background-color: #ff0000; color: white;"> <th style="text-align: left;">Number of FTE</th> <th style="text-align: center;">Marks</th> </tr> </thead> <tbody> <tr> <td>&gt; 500</td> <td style="text-align: center;">5</td> </tr> <tr> <td>&gt; 250 FTE to =&lt;500 FTE</td> <td style="text-align: center;">4</td> </tr> <tr> <td>= 250 FTE</td> <td style="text-align: center;">3</td> </tr> </tbody> </table> <p><b>Maximum marks: 5</b></p> <p>Note: Full time Employees defined as employees on the Payroll of organization.</p> <ul style="list-style-type: none"> <li>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</li> </ul>	Number of FTE	Marks	> 500	5	> 250 FTE to =<500 FTE	4	= 250 FTE	3	5
Number of FTE	Marks										
> 500	5										
> 250 FTE to =<500 FTE	4										
= 250 FTE	3										
	Bidder's Certification	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>									

#	Technical Evaluation Criteria	Technical Evaluation parameter	Marks												
		<table border="1"> <thead> <tr> <th>Certification</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>• Any one ISO certificate</td> <td>2</td> </tr> <tr> <td>• Any two ISO certification or CMMi Level 3</td> <td>3</td> </tr> <tr> <td>• All ISO certification or • CMMi Level 5 Certification or • Any two ISO certification &amp; CMMi Level 3 Certification</td> <td>4</td> </tr> <tr> <td>• Any two ISO certification &amp; CMMi Level 5 Certification or All ISO Certification &amp; CMMi Level 3 Certification</td> <td>5</td> </tr> </tbody> </table>	Certification	Marks	• Any one ISO certificate	2	• Any two ISO certification or CMMi Level 3	3	• All ISO certification or • CMMi Level 5 Certification or • Any two ISO certification & CMMi Level 3 Certification	4	• Any two ISO certification & CMMi Level 5 Certification or All ISO Certification & CMMi Level 3 Certification	5			
Certification	Marks														
• Any one ISO certificate	2														
• Any two ISO certification or CMMi Level 3	3														
• All ISO certification or • CMMi Level 5 Certification or • Any two ISO certification & CMMi Level 3 Certification	4														
• Any two ISO certification & CMMi Level 5 Certification or All ISO Certification & CMMi Level 3 Certification	5														
<b>B</b>	<b>Project Experience of Bidder</b>		<b>60</b>												
1	Bidder Experience – Executing Command Control Center Project	<p>Experience of Sole Bidder / Prime Bidder (in case of consortium) 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> <table border="1"> <thead> <tr> <th>Number of Projects</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>For satisfying PQ criteria</td> <td>20</td> </tr> <tr> <td colspan="2" style="text-align: center;">Additional project over and above the projects submitted under PQ criteria</td> </tr> <tr> <td>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.</td> <td>15</td> </tr> <tr> <td>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.</td> <td>9</td> </tr> <tr> <td>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.</td> <td>7.5</td> </tr> </tbody> </table> <p><b>Maximum Marks: 35</b></p> <p>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 &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> </ul>	Number of Projects	Marks	For satisfying PQ criteria	20	Additional project over and above the projects submitted under PQ criteria		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	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	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	35
Number of Projects	Marks														
For satisfying PQ criteria	20														
Additional project over and above the projects submitted under PQ criteria															
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														
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														
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														
	Bidder Experience – Executing Command	<p>Experience of Sole Bidder / Prime Bidder (in case of consortium) in implementation of ICCC Solution integrating domains/systems in the last seven (7) years (maximum 2 projects)</p> <ol style="list-style-type: none"> <li>1. Adaptive/Intelligent Traffic Control System (ATCS signals, ANPR, RLVD, Wrong side, Speed detection etc.)</li> </ol>	20												

#	Technical Evaluation Criteria	Technical Evaluation parameter	Marks								
	Control Center Application	<p>2. Intelligent Transit Management System                      3. Water Supply                      4. Drainage                      5. Solid Waste Management                      6. Grievance Redressal System                      7. CCTV/ Surveillance Network                      8. Smart Street Lighting                      9. Revenue Collection Systems (Property Tax, Water Meter Billing, AFCS etc.)                      10. Project Management System                      11. Network monitoring for large scale WiFi service / dedicated OFC network                      12. Smart Parking</p> <table border="1"> <thead> <tr> <th>Particular</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>One project integrating any 4 domains/systems mentioned above</td> <td>10</td> </tr> <tr> <td>One project integrating any 3 domains/systems mentioned above</td> <td>7.5</td> </tr> <tr> <td>One project integrating any 2 domains/systems mentioned above</td> <td>5</td> </tr> </tbody> </table> <p><b>Maximum Marks: 20   Maximum projects: 2</b></p> <p>Bidder is required to submit :</p> <ol style="list-style-type: none"> <li>Copy of completion certificate issued by client</li> <li>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.</li> <li>Copy of Work order / Contract</li> </ol>	Particular	Marks	One project integrating any 4 domains/systems mentioned above	10	One project integrating any 3 domains/systems mentioned above	7.5	One project integrating any 2 domains/systems mentioned above	5	
Particular	Marks										
One project integrating any 4 domains/systems mentioned above	10										
One project integrating any 3 domains/systems mentioned above	7.5										
One project integrating any 2 domains/systems mentioned above	5										
3	Bidder Experience – Executing Data Center Project	<p>Relevant experience of Sole bidder / Any member in the consortium 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.                      (Note: In-house projects for own or group companies shall not be considered for above criteria)</p> <p><b>Each Project: 2.5 marks   Maximum Projects: 2</b></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: 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>	5								
<b>C</b>	<b>Presentation and Demonstration</b>		<b>20</b>								
1	<p><b>Presentation and Demonstration</b>                      Following parameters will be evaluated:</p> <ul style="list-style-type: none"> <li>Understanding of the project</li> <li>Approach &amp; Methodology</li> <li>Ability to clearly explain the proposed Solution</li> <li>Uniqueness of proposed solution as per requirement of SSCDL/SMC</li> <li>Demonstration of proposed ICCC Software for Use cases provided by SSCDL/SMC</li> </ul>		<b>20</b>								

## ANNEXURE -IV

#	Milestone	Payment
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
2.	Satisfactory completion of Installation of respective items/ equipment and after, submission of the invoice.	20% of total CAPEX of Request order
3.	UAT and Go Live of entire RO (Testing and Commissioning)	25% of total CAPEX of Request order
4.	Successful completion of 1 <sup>st</sup> year after Project “Go Live”	5% of total CAPEX of Request order
5.	Successful completion of 2 <sup>nd</sup> year after Project “Go Live”	2.5% of total CAPEX of Request order
6.	Successful completion of 3 <sup>rd</sup> year after Project “Go Live”	2.5% of total CAPEX of Request order
7.	Successful completion of 4 <sup>th</sup> year after Project “Go Live”	2.5% of total CAPEX of Request order
8.	Successful completion of 5 <sup>th</sup> year after Project “Go Live”	2.5% of total CAPEX of Request order
9.	<p>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 TQ_2.</p> <p>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 4<sup>th</sup> and 5<sup>th</sup> 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>	

**Note:**

- All payments to the SI shall be made upon submission of invoices along with necessary approval certificates from concerned Authority like SSCDL, SMC, if applicable.
- The above payments are subject to meeting of SLA’s failing which the appropriate deductions as mentioned in the SLA document of this RFP

## Annexure V

[The specification below overrides the relevant specification specified under RFP or previous Addendum & Corrigendum]

### 15.40: Video Conference System

#		Minimum Specifications	Compliance (Yes, No)	Remarks, if any
1.	Camera	Should support Full HD 1080p resolution with 30 fps from day one.		
2.		Camera should have functionality of motorized pan, tilt and zoom, controlled from remote or console		
3.		Camera/Solution should support Autofocus and minimum 3 camera presets		
4.		Camera should have minimum 10X of Lossless Optical zoom.		
5.		Should have at least 65 degrees field of view (horizontal)		
6.		Should support at least 180 degrees of pan and 120 degrees of tilt		
7.		Should support H.264 (MPEG-4 AVC ), H.264 SVC video codec		
8.		Solution should have ability to send and receive two live simultaneous video sources in a single call, so that the image from the main camera and PC or document/Presentation camera can be seen simultaneously.		
9.		It should be possible to display the main video on one screen and the presentation / dual video on the other screen.		
10.	Video Input/output	Should have DVI (Digital Video Interface) or HDMI input to connect PC / Laptop directly to the Video conferencing system with Audio.		
11.		Video Output: Should have at least 2 HDMI / DVI (High Definition Multimedia Interface) with Full HD 1080p output to connect display devices such as LCD / LED and projectors for both Video and Content. (Dual Monitor Support)		
12.		Audio Inputs: Should support minimum 2 Microphone inputs. And it should be supplied from day one.		
13.	Network	Min. 1 x 1G LAN / Ethernet Port.		
14.		IPv4 and IPv6 support		
15.		Solution should be able initiate and receive Video conference Session/call via local (Intranet) static IP on Point to Multipoint Leased line/MPLS connectivity between HQ/ICCC and branches & also over the Internet (Live/Real) Static IP.		

#		Minimum Specifications	Compliance (Yes, No)	Remarks, if any
16.		System should support Password protected system menu for better security.		
17.		ITU-T standards based Encryption of the video call/session.		
18.	Speakerphone	Should have minimum 1 x Speakerphone or Speaker & MIC with Full Duplex Audio Supported functionality and have feature of echo cancellation, Noise reduction.		
19.		Solution should support integration with Leading business certifications like Skype for Business, Cisco Jabber, WebEx and <del>it should be Compatible with BlueJeans, BroadSoft, GoToMeeting, Vidyo, and</del> other video conferencing, recording, and broadcasting applications that support USB cameras		
20.	Accessories	Solution should be offered with Full HD Camera, Speakerphone-MIC System, Remote control, Power Supply with cables, all types of Video & Audio connectivity Cables in required quantity, all types of Video/Audio/Network converters required if any along with mounting kit for ideal wall placement or for elevating the camera on a table and placement of speakers/mic to utilize solution with full functionality from day one..		
21.		Minimum 3 Years of Comprehensive Warranty and support of Parts/Hardware/Software/License and 2 Years of AMC.		
22.		Specify the proposed Make		
23.		Specify the proposed Model No		