

REQUEST FOR QUALIFICATION (RFQ) CUM REQUEST FOR PROPOSAL (RFP) FOR APPOINTMENT OF MASTER SYSTEM INTEGRATOR FOR DESIGN, SUPPLY, INSTALL, TEST, INTEGRATE, COMMISSIONING, OPERATION AND MAINTENANCE OF ICT COMPONENTS IN CLUSTER A1 OF ACTIVATION AREA

## **Response to Queries**

REQUEST FOR QUALIFICATION (RFQ) CUM REQUEST FOR PROPOSAL (RFP) FOR APPOINTMENT OF MASTER SYSTEM INTEGRATOR FOR DESIGN, SUPPLY, INSTALL, TEST, INTEGRATE, COMMISSIONING, OPERATION AND MAINTENANCE OF ICT COMPONENTS IN CLUSTER A1 OF ACTIVATION AREA

Sr. No.	(Volume No., Section No., Page No.)	Content of the RFP requiring clarification	Clarification Sought	Clarification
1	Vol. II - MSI - Scope of Work Part-5, UC-UCM-1.1, Pg. No. 535	System shall enable communication devices like IP Phones, UHF/VHF or GSM which will work independently in their group	<ul style="list-style-type: none"> <li>- Interfaces provided on UHF/VHF, GSM Gateways</li> <li>- How many Number of simultaneous calls expected</li> </ul>	The conditions given in the Response to queries shall remain unchanged
2	Vol. II - MSI - Scope of Work Part-5, UC-UCM1.2, Pg. No. 535	System should provide intercommunication between all different modes of communication devices i.e. Voice(GSM/PSTN/UHF/VHF/IP), Video, Instant Messaging (text / chat / email / voicemail), whenever required in case of emergencies like fire, natural disaster, riots, terrorist attacks, medical emergencies, etc. This will help authorizes to communicate between different teams like Police, Fire Brigade and Ambulance to take decision faster in quick time to tackle critical and demanding situations	<p>Propose to change this as</p> <p>"System should provide intercommunication between all different modes of communication devices i.e. Voice (GSM/PSTN/UHF/VHF/IP), Video, Instant Messaging (text / chat / email / voicemail), whenever required in case of emergencies like fire, natural disaster, riots, terrorist attacks, medical emergencies, etc. <u>by means of Manually and automatically triggered event with interface with various Alarm Monitoring systems.</u> This will help authorizes to communicate between different teams like Police, Fire Brigade and Ambulance to take decision faster in quick time to tackle critical and demanding situations"</p>	The conditions given in the Response to queries shall remain unchanged
3	Vol. II - MSI - Scope of Work Part-5, UC-UCM-1.3, Pg. No. 535	System should provide point to point or Multiparty Audio-Video Conferencing	Kindly mention number of simultaneous ports to be factored	MSI needs to factored adequate number of ports keeping in mind future scalability which should be attended without any additional infrastructure.

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4	Vol. II - MSI - Scope of Work Part-5, UC-UCM-1.6, Pg. No. 535	System should be able to consolidate Communications Infrastructure — Bring together voice, video, UHF, VHF and data into a single IP network to simplify	- Interfaces provided on UHF/VHF, GSM Gateways - How many Number of simultaneous calls expected	MSI needs to factored adequate number of ports keeping in mind future scalability which should be attended without any additional infrastructure.
5	Vol. II - MSI - Scope of Work Part-5, UC-UCM- 1.12, Pg. No. 535	System shall enable interoperability with third-party systems	Please clarify use case. Third Party is very generic term	The conditions given in the Response to queries shall remain unchanged
6	Vol. II - MSI - Scope of Work Part-5, UC-UCM-1.14, Pg. No. 536	System should have provision to Unified Communications applications to allows authorized users to perform tasks such as migration of older software versions of clusters to new virtual machines, fresh installs, and upgrades on existing clusters	"Cluster" terminology is specific to single OEM	Please refer <b>Sr. No. 1</b> of Addendum 6
7	Vol. II - MSI - Scope of Work Part-5, UC-SP-1.36, Pg. No. 537	Should Provide Alert When Available: User should be able to Set the client to notify him/her when a contact becomes available. User should be notified the first time the user next becomes available. A message notification should be given to alert the user that the user is available	This feature is specific to Single OEM	Please refer <b>Sr. No. 2</b> of Addendum 6

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8	Vol. II - MSI - Scope of Work Part-5, UC-SP-1.38, Pg. No. 537	Print Chat: The user should have the ability to print a conversation with a right-click from a chat window with another user or by pressing CTRL + P. the user can also highlight a portion of the text to print it	This feature is specific to Single OEM	Please refer <b>Sr. No. 3</b> of Addendum 6
9	Vol. II - MSI - Scope of Work Part-5, UC-ACD-1.78, Pg. No. 538	Should be highly available with hot standby and seamless failover in case of main server failure. There should not be any downtime of Contact Center in case of single server failure	We propose this to be revised with DR feature which is very crucial in case of Emergency Situations such as Natural Disasters etc.  "Should be highly available with hot standby and Disaster Recovery feature. At Main Data Center Primary Server pair shall work in active-active or active-passive mode. Replica of these Servers must run at DR Data Center. If Primary Server Pair fails at Main DC or Entire Main DC goes down, ACD at DR DC should take over the operations and continue handling Citizen calls.	The conditions given in the Response to queries shall remain unchanged

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10	Vol. II - MSI - Scope of Work Part-5, UC-ACD-1.86, Pg. No. 539	In future if required, the ACD should support active and standby server mode, where the server can be put in DC and DR. In case of Main server in the Data center fail the standby server in DR should take over seamlessly. ACD solution should support placing of Main and Stand by server in DC and DR respectively	<p>We propose this to be revised with DR feature which is very crucial in case of Emergency Situations such as Natural Disasters etc.</p> <p>"From day one there should be highly available with hot standby and Disaster Recovery feature. At Main Data Center Primary Server pair shall work in active-active or active-passive mode. Replica of these Servers must run at DR Data Center. If Primary Server Pair fails at Main DC or Entire Main DC goes down, ACD at DR DC should take over the operations and continue handling Citizen calls.</p>	Please refer <b>Sr. No. 4</b> of Addendum 6
11	Vol. II - MSI - Scope of Work Part-5, UC-IPPBX-1.7, Pg. No. 540	The call control system should be fully redundant solution with NO single point of failures & should provide 1:1 redundancy. Both the server should do call processing all the time and act as backup in case of the failure of one server	<p>Simultaneous processing by both the servers is specific to Cisco. Redundancy can also be achieved with active-standby servers, Every OEM has different Architecture hence We suggest this clause to be relaxed with option of active-standby processing as well as we achieve similar result by Active-Standby processing Architecture.</p>	Please refer <b>Sr. No. 5</b> of Addendum 6
12	Vol. II - MSI - Scope of Work Part-5, UC-IPPBX-1.8, Pg. No. 540	The call control should support clustering over WAN	Cluster Architecture is specific to Single OEM	Please refer <b>Sr. No. 6</b> of Addendum 6

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13	Vol. II - MSI - _Scope_of_Work_Part- 5,UC-IPPBX-1.61, Pg. No. 542	"Clusters" of Call-Servers for scalability, redundancy, and load balancing	Cluster architect is specific to Single OEM	Please refer <b>Sr. No. 7</b> of Addendum 6
14	Vol. II - MSI - _Scope_of_Work_Part- 5,UC-IPPBX-1.62, Pg. No. 542	Interclassed scalability to 100+ sites or clusters through H.323 gatekeeper	Cluster architect is specific to Single OEM	Please refer <b>Sr. No. 8</b> of Addendum 6
15	Vol. II - MSI - _Scope_of_Work_Part- 5,UC-IPPBX-1.78, Pg. No. 543	Cluster wide trace setting tool	Specific to Single OEM	Please refer <b>Sr. No. 9</b> of Addendum 6
16	Vol. II - MSI - _Scope_of_Work_Part- 5,UC-VCD-1.118, Pg. No. 545	Should be an integrated system with at least 22 to 24 inches LCD/TFT screen, 1080P resolution (16:9), HD camera and with speakers for wide band audio output. The Codec should be a part of the unit. No separate Codec's are preferred. The LCD/TFT screen should be a touch screen to provide a touch interface to the user	Specific to model of a Single OEM	Please refer <b>Sr. No. 10</b> of Addendum 6
17	Vol. II - MSI - _Scope_of_Work_Part- 5,UC-MCU-1.171, Pg. No. 547	The MCU should support 40 ports or more at HD 1080p (transmit and receive) up to 4Mbps on IP in continuous presence mode with 30fps, 500 audio ports for conferencing IP Phone users, 100 WebRTC connections and H.264	Architecture is favoring a Single OEM	Please refer <b>Sr. No. 11</b> of Addendum 6

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		resolution and AES encryption on the same MCU		
18	Vol. II - MSI - _Scope_of_Work_Part- 5,UC- VCP55-1.194, Pg. No. 549	The system should be an integrated system with Codec, HD 1080p camera with automatic speaker tracking camera, Mic, 7" or higher touch panel, cables and power supply, 55" LCD/LED and a floor mount kit. The 55" screen, codec, camera, microphones, floor cum wall mounted kit should be from same Cisco with a single Cisco part code. The system should not be a locally fabricated unit. The unit should have integrated speakers of minimum 60 watts or more	Specific to a Single OEM	Please refer <b>Sr. No. 12</b> of Addendum 6
19	Vol. II - MSI - _Scope_of_Work_Part- 5,UC-VCST-1.230, Pg. No. 551	The unit should be supplied with 2 x automatic voice tracking 1080p 60fps camera, 3 x Microphones, codec automatic voice tracking cameras, and a touch panel	Specific to a Single OEM	Please refer <b>Sr. No. 13</b> of Addendum 6

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20	Vol. II - MSI - Scope of Work Part-5, UC- VC70D-1.258, Pg. No. 553	The video endpoint should be an OEM integrated solution with a dual 70" LCD or above with edge lit LED, integrated 1080p codec within the dual 70" display, dual 1080p60fps automatic voice tracking cameras, Integrated full-range multichannel and bass speakers with 400W amplifier system, 10" touch panel, 8 Microphones, with free standing pedestal kit. The part number and product information for the solution should be available on the OEM's website	Specific to a Single OEM	Please refer <b>Sr. No. 14</b> of Addendum 6
21	Vol. II - MSI - Scope of Work Part-5, UC-UCM-1.7, Pg. No. 560	The call control should support clustering over WAN	Clustering is specific to a Single OEM	The conditions given in the Response to queries shall remain unchanged
22	Vol. II - MSI - Scope of Work Part-5, UC-UCM-1.11, Pg. No. 560	The proposed call control server should provide support for standards based SIP IP Phones (Wired & Wireless), Analog Phones, Video Phones, Video Conferencing endpoints and soft clients to provide centralized management and unified dial plan.	Should be revised as "The proposed call control server should provide support for standards based SIP IP Phones (Wired & Wireless), Analog Phones, Video Phones, Video Conferencing endpoints from same OEM or 3rd Party and soft clients to provide centralized management and unified dial plan"	The conditions given in the Response to queries shall remain unchanged



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23	Vol. II - MSI - _Scope_of_Work_Part- 5,UC-UCM-1.56, Pg. No. 562	Call-Server should provide a common control agent for signaling, configuration, and serviceability for voice or video end points.	Specific to a Single OEM	Please refer <b>Sr. No. 15</b> of Addendum 6
24	Vol. II - MSI - _Scope_of_Work_Part- 5,UC-UCM-1.69, Pg. No. 563	Intercluster scalability to 100+ sites or clusters through H.323 gatekeeper	Specific to a Single OEM	Please refer <b>Sr. No. 16</b> of Addendum 6
25	Vol. II - MSI - _Scope_of_Work_Part- 5,UC-UCM-1.85, Pg. No. 564	Cluster wide trace setting tool.	Specific to a Single OEM as per their data sheet	Please refer <b>Sr. No. 17</b> of Addendum 6
26	Vol. II - MSI - _Scope_of_Work_Part- 5,UC-UCM-1.92, Pg. No. 564	Call-Server should have the infrastructure to handle codec and video capabilities of the endpoints, bandwidth negotiation to determine if video/audio call can take place, single point of administration, management of media devices such as gateways and MCUs.	Specific to a Single OEM	Please refer <b>Sr. No. 18</b> of Addendum 6
27	Vol. II - MSI - _Scope_of_Work_Part- 5,UC-UCM-1.112, Pg. No. 565	The MCU should be able to integrate with existing IP PBX to provide audio conferencing ports to phones.	What is existing PBX?	The conditions given in the Response to queries shall remain unchanged

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28	Vol. II - MSI - _Scope_of_Work_Part-5,UC-UCM-1.130, Pg. No. 566	Should be an integrated system with at least 22 to 24 inch LCD/TFT screen, 1080P resolution (16:9), HD camera and with speakers for wide band audio output. The Codec should be a part of the unit. No separate Codec's are preferred. The LCD/TFT screen should be a touch screen to provide a touch interface to the user.	Specific to Single OEM- Integrated Screen and CODEC	Please refer <b>Sr. No. 19</b> of Addendum 6
29	Vol. II - MSI - _Scope_of_Work_Part-5,UC-UCM-1.145, Pg. No. 566	Audio System: The system should have two stereo front speakers with inbuilt microphones, wideband speakers.	Specific to Single OEM - Integrated Screen and CODEC	Please refer <b>Sr. No. 20</b> of Addendum 6
30	Vol. II - MSI - _Scope_of_Work_Part-5,UC-UCM-1.171, Pg. No. 568	The system should be an integrated system with Codec, HD 1080p camera with automatic speaker tracking cameras total zoom or higher, Mic, remote control, cables and power supply, 55" LCD/LED and a floor mount kit. The 55" screen, codec, camera, microphones, floor cum wall mounted kit should be from same OEM with a single OEM part code. The system should not be a locally fabricated unit.	Specific to Single OEM - Integrated Screen and CODEC	Please refer <b>Sr. No. 21</b> of Addendum 6

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31	Vol. II - MSI - Scope of Work Part-5, UC-UCM-1.179, Pg. No. 568	The system should have integrated 55" Monitor. Additionally, the unit must have a HDMI/DVI output to connect and additional display to function as a dual monitor.	Specific to a Single OEM - Integrated Screen and CODEC	Please refer <b>Sr. No. 22</b> of Addendum 6
32	Vol. II - MSI - Scope of Work Part-5, UC-UCM-1.199, Pg. No. 569	1080p60 with automatic speaker tracking cameras	Specific to a Single OEM	Please refer <b>Sr. No. 23</b> of Addendum 6
33	Vol. II - MSI - Scope of Work Part-5, UC-UCM-1.201, Pg. No. 569	Total management via embedded SNMP, Telnet, SSH, XML, SOAP. The system should be operated using a 7" touch panel for call connection, disconnection, mute/unmute, presentation sharing	Specific to a Single OEM	The conditions given in the Response to queries shall remain unchanged
34	Vol. II - MSI - Scope of Work Part-5, UC-UCM-1.242, Pg. No. 571	Print Chat: The user should have the ability to print a conversation with a right-click from a chat window with another user or by pressing CTRL + P. the user can also highlight a portion of the text to print it.	Specific to a Single OEM	Please refer <b>Sr. No. 24</b> of Addendum 6

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35	Vol. II - MSI - _Scope_of_Work_Part-5,UC-UCM-1.243, Pg. No. 571	AutoSave Chat: From the Options menu, the user should be able to automatically save chats to the user computer, when the user closes a chat window. Once the chats are saved to the user computer, search the chat files or use the windows file search capability to search the chat files. The user can save peer-to-peer and group chat conversations	Specific to a Single OEM	The conditions given in the Response to queries shall remain unchanged
36	Vol. II - MSI - _Scope_of_Work_Part-5,UC-UCM-1.250, Pg. No. 572	Screen Capture: UC Client must support screen capture allows a user to capture an area of their screen into an image and then send the image as part of an IM conversation. The image is automatically shown at the far end.	Specific to a Single OEM	Please refer <b>Sr. No. 25</b> of Addendum 6
37	Vol. II - MSI - _Scope_of_Work_Part-5,UC-UCM-1.251, Pg. No. 572	Screen share and Remote Desktop Sharing in Group Chat (1: Many): Users must have the capability to share screen with up to 5 people in group chat session using the IM-Only-desktop-sharing feature.	Specific to a Single OEM as per their data sheet	Please refer <b>Sr. No. 26</b> of Addendum 6

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38	2.2.1 Prequalification criteria-ERP & Technical Qualification cum Evaluation Criteria, Pg. No. 21 & 23. Addendum 2, Sr. No. 31 & 35, Pg. No. 2 & 7	The Bidder (any member in case of consortium) shall have successfully implemented and commissioned at least two (2) projects related to implementation/ integration and support of Proposed COTS ERP system including finance, utility billing, asset management modules (with at least 2 of these modules) having a minimum value of INR 5 crores per project during last 10 years. At least one implementation should be in India	The clause should be kept as is only as clause is already relaxed stating that only two projects are required and out of which one project is only from India and it should not be relaxed further as if SI/OEM who gives X COTS ERP OEM Product with Implementing ERP product of Y OEM then purpose of having getting deploying world class ERP solutions with latest innovation technology solutions on ERP, CRM, Utility Billing and Block chain and IOT integrated solutions gets defeated. We would request to keep the clause 2.2.1 of Pre-Qualification criteria as is in reference to Addendum 2, Sr. No.13 and 35.	The conditions given in the Response to queries/Addendum-4 shall remain unchanged.  Please refer <b>Sr. No. 2</b> of Addendum 4
39	Throughout the RFP	Proposed solution/component/system should be in Leaders / Challengers quadrant of Gartner magic quadrant	We would request DICDL to allow submission of IDC reports in case Gartner and Forrester reports are not available as Gartner has stop reproducing reports on ERP ranking as Gartner currently shares reports on BI, DB, CRM solutions .	The conditions given in the Response to queries/Addendum-4 shall remain unchanged.  Please refer <b>Sr. No. 4</b> of Addendum 4
40	Addendum - 2, Pg. No. 34 of 261	IPv6 Ready logo awarded (IPv6 Logo Committee certified)	Please change to IPv6 Ready / logo awarded , to have better competition	Please refer <b>Sr. No. 27</b> of Addendum 6
41	Addendum - 2, Pg. No. 34 of 261	8 IEEE 802.3af and IEEE 802.3at PoE+ standard ports • 36-watt output per PoE+ port in high-power mode (PoE power management functions	please remove please remove 36-watt output per POE+ port in high power mode	Please refer <b>Sr. No. 28</b> of Addendum 6

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42	Addendum - 2, Pg. No. 34 of 261	Ethernet/IP, PROFINET, and Modbus/TCP protocols for device management and monitoring	PROFINET is not required for network switches, please remove	Please refer <b>Sr. No. 29</b> of Addendum 6
43	Addendum - 2, Pg. No. 34 of 261	Should have Ring support with 200 switches in One Single Ring and have recovery time of <30ms.	This is specific to an OEM, please remove this clause, ERP rings are suggested for around 20 switches in a ring for latency less than 50ms	Please refer <b>Sr. No. 30</b> of Addendum 6
44	Addendum - 2, Pg. No. 35 of 261	Line-swap fast recovery	This is specific to OEM, please change consider industry standard for fast recovery. So please change to 'Line-swap fast recovery / RSTP/ERP'	Please refer <b>Sr. No. 31</b> of Addendum 6
45	Addendum - 2, Pg. No. 35 of 261	Configurable by web browser, USB-serial console	Concle can be given by RJ45 as well. Please add RJ45 option for more OEM to participate. Please change to 'Configurable by web browser, USB-serial console, RJ45	Please refer <b>Sr. No. 32</b> of Addendum 6
46	Addendum - 2, Pg. No. 35 of 261	Server/Client, DHCP Option 66/67/82, BootP, TFTP, SNTP, SMTP,	Please remove SMTP as it is mailing protocol and not required.	Please refer <b>Sr. No. 33</b> of Addendum 6
47	Addendum - 2, Pg. No. 35 of 261	PROFINET, Modbus/TCP, SNMP Inform, LLDP, IEEE 1588, IPv6, NTP	PROFINET is not required for network switches, please remove	Please refer <b>Sr. No. 34</b> of Addendum 6
48	Addendum - 2, Pg. No. 36 of 261	MIB-II, Ethernet-Like MIB, P-BRIDGE MIB, Q-BRIDGE MIB, , RSTP MIB, RMON MIB Group 1, 2, 3, 9	Please amend this line as 'MIB-II, Ethernet-Like MIB, Bridge MIB, RMON MIB Group 1, 2, 3'	The conditions given in the Response to queries/Addendum-2 shall remain unchanged.
49	Addendum - 2, Pg. No. 36 of 261	Jumbo Frame Size: 9.6 KB	Please mention 9KB or more as it is standard value	Please refer <b>Sr. No. 35</b> of Addendum 6
50	Addendum - 2, Pg. No. 36 of 261	VLAN ID Range VID 1 to 4094	Please mention range 1 to 4000, which is standard value supported by most of OEMs	Please refer <b>Sr. No. 36</b> of Addendum 6

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51	Addendum - 2, Pg. No. 36 of 261	LED Indicators: PWR1, PWR2, FAULT, STATE, 10/100/1000M, MSTR/ HEAD, CPLR/TAIL	Please remove this clause as it is specific to OEM. Just mentioned ' LED indicators should be available on switches	Please refer <b>Sr. No. 37</b> of Addendum 6
52	Addendum - 2, Pg. No. 36 of 261	Digital Inputs: Digital Inputs: 1 input with the same ground, but electrically isolated from the electronics. • +13 to +30 V for state "1" • -30 to +3 V for state "0" • Max. input current: 8 mA	This is specific to OEM , please make it standard line ' Digital inputs to be supported'	Please refer <b>Sr. No. 38</b> of Addendum 6
53	Addendum - 2, Pg. No. 36 of 261	Button: Reset button	Please remove as it is specific to OEM and it is not required in this type of switches. Reset can be done by using console or remote access	Please refer <b>Sr. No. 39</b> of Addendum 6
54	Addendum - 2, Pg. No. 37 of 261	Shock: IEC 60068-2-27	Please change to 60255-21-2 which is latest or mention IEC 60068-2-27 / equivalent	Please refer <b>Sr. No. 40</b> of Addendum 6
55	Addendum - 2, Pg. No. 37 of 261	Freefall: IEC 60068-2-32	Please remove as it is not relevant as switch will be mountable	Please refer <b>Sr. No. 41</b> of Addendum 6
56	Addendum - 2, Pg. No. 37 of 261	Vibration: IEC 60068-2-6	Please change to IEC 60255-21-1 which is latest or mention IEC 60068-2-6/ equivalent	Please refer <b>Sr. No. 42</b> of Addendum 6
57	Addendum - 2, Pg. No. 34 of 261	Advanced PoE management function like (PoE port setting, PD failure check, and PoE scheduling)	Please change to support PoE management functions as it is specific to OEM	Please refer <b>Sr. No. 43</b> of Addendum 6
58	Addendum - 2, Pg. No. 35 of 261	Automatic warning by exception through email, relay output	Please change as this seems to be functionality of NMS system	Please refer <b>Sr. No. 44</b> of Addendum 6

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Sr. No.	(Volume No., Section No., Page No.)	Content of the RFP requiring clarification	Clarification Sought	Clarification
59	Addendum - 2, Pg. No. 35 of 261	System backup and restoration tool to enhance maintenance efficiency and reduce system downtime	Please remove this clause as this seems to be functionality of NMS	Please refer <b>Sr. No. 45</b> of Addendum 6
60	Addendum - 2, Pg. No. 35 of 261	Command Line Interface (CLI) for quickly configuring major managed functions: More than 200 command lines	This is specific to OEM , please change the same to include others	Please refer <b>Sr. No. 46</b> of Addendum 6
61	Addendum - 2, Pg. No. 34 of 261	Bandwidth management prevents unpredictable network status	This is specific to OEM , please change the same to include others	Please refer <b>Sr. No. 47</b> of Addendum 6
62	Vol.I-MSI-Bidder Instruction, 2.2. Eligibility and Qualifications, Pg. No. 22, Point-13	MSI in its bid for this project will be evaluated on the basis of manufacturer of the products as per latest Gartner magic quadrant report for respective domain. MSI/Lead bidder should propose and supply the application, database and related software, integration tools and describe the process to be followed for installing Various platforms, COTS product/solution, ERP suite, RDBMS, Surveillance solution, and any other IT/ICT components as well as solutions proposed by MSI as part of the project should be from OEMs who are amongst the <b>top 5 for World-wide Market share</b> as	Kindly remove the condition of <b>top 5 for World-wide Market as per the respective/relevant latest Gartner/Forrester report.</b> Gartner reports are global reports with no or little consideration of Indian OEMS. Moreover this condition is against <b>PMA policy of Make in India.</b> Please find attached letter where such conditions are not required for Smart City projects.	Please refer <b>Sr. No. 4</b> of Addendum 4



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Sr. No.	(Volume No., Section No., Page No.)	Content of the RFP requiring clarification	Clarification Sought	Clarification
		per the respective/relevant latest Gartner/Forrester report.		
63	Vol. II, CIO-AV 1.17, Pg. No. 528	There will be a rack mounted video-conferencing codec 1080p with H265 support	There will be a rack mounted video-conferencing codec 1080p with H265 / H.264 HP support	The conditions given in the RFQ cum RFP shall remain unchanged
64	Vol. II, CIO-AV 1.18, Pg. No. 528	A video conferencing camera system will be 4K resolution with auto tracking	A video conferencing camera system will be 2K or 4K resolution with auto tracking	The conditions given in the RFQ cum RFP shall remain unchanged
65	Vol. II, CIO-AV 1.27, Pg. No. 529	User transition a desktop conference to the meeting room and vice versa	User transition a desktop or Mobile conference to the meeting room and vice versa	The conditions given in the RFQ cum RFP shall remain unchanged
66	Vol. II, UC-IPP-1.90, Pg. No. 544	Should have 4 MB flash memory and 30 MB or more SDRAM	Should have flash memory or SDRAM	The conditions given in the RFQ cum RFP shall remain unchanged
67	Vol. II, UC-IPP-1.105, Pg. No. 544	IP Phone and IP PBX should be from same OEM	IP Phone and IP PBX should be from same or different OEM	The conditions given in the RFQ cum RFP shall remain unchanged
68	Vol. II, UC-VIPP-1.106, Pg. No. 544	Have high-resolution 800 x 480 pixel backlit display with a minimum 5" or higher LCD Screen with HD 720p video Camera	Have high-resolution min. 480 x 272 or higher pixel backlit display with a minimum 4.3" or higher LCD Screen with HD 720p video Camera	The conditions given in the RFQ cum RFP shall remain unchanged
69	Vol. II, UC-VIPP-1.108, Pg. No. 544	Have a integrated 2-port 10/100/1000 Ethernet switch and support IEEE 802.11 a/b/g Wi-Fi connectivity	Have a integrated 2-port 10/100/1000 Ethernet switch and support IEEE 802.11 a/b/g Wi-Fi connectivity optionally	The conditions given in the RFQ cum RFP shall remain unchanged
70	Vol. II, UC-VIPP-1.114, Pg. No. 545	It support XML based applications for productivity enhancement	It support applications for productivity enhancement	The conditions given in the RFQ cum RFP shall remain unchanged
71	Vol. II, UC-VIPP-1.117, Pg. No. 545	The Video IP phone and IP PBX should be from same OEM	The Video IP phone and IP PBX should be from same or different OEM	The conditions given in the RFQ cum RFP shall remain unchanged

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Sr. No.	(Volume No., Section No., Page No.)	Content of the RFP requiring clarification	Clarification Sought	Clarification
72	Vol. II, UC-VCD-1.118, Pg. No. 545	Should be an integrated system with at least 22 to 24 inches LCD/TFT screen, 1080P resolution (16:9), HD camera and with speakers for wide band audio output. The Codec should be a part of the unit. No separate Codec's are preferred. The LCD/TFT screen should be a touch screen to provide a touch interface to the user	Should be an integrated system with at least 22 to 24 inches LCD / TFT / <b>LED screen or third party Display</b> , 1080P resolution (16:9), HD camera and with speakers for wide band audio output. The Codec should be a part of the unit <b>or seperate device</b> . The LCD / TFT / <b>LED</b> screen should be a touch screen to provide a touch interface to the user	Please refer <b>Sr. No. 10</b> of Addendum 6
73	Vol. II, UC-VCD-1.126, Pg. No. 545	The unit must support layout control for video and presentation on a single LCD screen	The unit must support layout control for video and presentation on a single LCD / <b>LED</b> screen	Please refer <b>Sr. No. 48</b> of Addendum 6
74	Vol. II, UC-VCD-1.130, Pg. No. 545	CIF (352 x 288 pixels), VGA, 240p, 360p, 480p, 720p (1280 x 720 pixels), 1080p (1920x1080 pixels)	CIF (352 x 288 pixels), VGA / 240p / 360p / 480p / 720p (1280 x 720 pixels), 1080p (1920 x 1080 pixels)	The conditions given in the RFQ cum RFP shall remain unchanged
75	Vol. II, UC-VCD-1.133, Pg. No. 545	Audio System : The system should have two stereo front speakers with inbuilt microphones, wideband speakers	Audio System : The system should have two stereo front speakers with inbuilt <b>or external microphones</b> , wideband speakers	Please refer <b>Sr. No. 20</b> of Addendum 6
76	Vol. II, UC-VCD-1.137, Pg. No. 546	1 x LAN /Ethernet--10/100/1000 to connect a PC (i.e. built in switch)	1 x LAN /Ethernet--10/100/1000 to connect a PC (i.e. built in switch <b>or external switch</b> )	The conditions given in the RFQ cum RFP shall remain unchanged
77	Vol. II, UC-VCD-1.138, Pg. No. 546	Must support 802.11a/b/g/n	<b>Optional</b> support 802.11a/b/g/n	The conditions given in the RFQ cum RFP shall remain unchanged

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Sr. No.	(Volume No., Section No., Page No.)	Content of the RFP requiring clarification	Clarification Sought	Clarification
78	Vol. II, UC-VCD-1.139, Pg. No. 546	Must support Bluetooth 3.0 for connecting Bluetooth headsets	Must support <b>Bluetooth</b> for connecting Bluetooth headsets <b>internally or externally</b>	The conditions given in the RFQ cum RFP shall remain unchanged
79	Vol. II, UC-VCD-1.145, Pg. No. 546	<p>The system must have the ability to pair mobile devices such as Tablets and Smartphones based on iOS or Android platforms so that these devices can be used for:</p> <ol style="list-style-type: none"> <li>1) View the Presentation that is being shown in the VC call.</li> <li>2) Add and disconnect call, move the call from mobile device to/ from video unit</li> <li>3) The system must have the ability to pair with laptop for sending content without any wires to the video unit.</li> <li>4) In case the above feature is not available natively, then additional components can be provided to achieve this functionality</li> </ol>	<p>The system must have the ability to pair mobile / Tablet devices such as Tablets / Smartphones based on iOS or Android platforms so that these devices can be used for:</p> <ol style="list-style-type: none"> <li>1) <b>Share</b> / View the Presentation in the VC call.</li> <li>2) Add and disconnect call, move the call from Tablet / mobile device to / from video unit</li> <li>3) The system must have the ability to pair with laptop for sending content without any wires to the video unit.</li> <li>4) In case the above feature is not available natively, then additional components can be provided to achieve this functionality</li> </ol>	The conditions given in the RFQ cum RFP shall remain unchanged
80	Vol. II, UC-VCD-1.147, Pg. No. 546	Meetings both point and point and multipoint, should be password protected and the same should be possible for SIP networks	Meetings both point and point and multipoint, should be password protected and the same should be possible for SIP / <b>H.323</b> networks	The conditions given in the RFQ cum RFP shall remain unchanged

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Sr. No.	(Volume No., Section No., Page No.)	Content of the RFP requiring clarification	Clarification Sought	Clarification
81	Vol. II, UC-MCU-1.159, Pg. No. 547	The MCU should be running on standard intel servers on standard Virtualized platforms. The hardware, software and virtualization software should be supplied and supported by a single MSI	The MCU should be running on standard intel servers on standard Virtualized platforms <b>or dedicated Appliance</b> . The hardware / software and virtualization software should be supplied and supported by a single MSI	The conditions given in the RFQ cum RFP shall remain unchanged
82	Vol. II, UC-MCU-1.169, Pg. No. 547	The MCU must support the concept of virtual meeting rooms to users who Hosts meeting frequently. Such meeting rooms should support dialing in from standard based video end points, internal and external users and browser based clients. The system should allow one Virtual meeting room per employee, however it should not consume resources when not in use	The MCU must support the concept of virtual meeting rooms to users who Hosts meeting frequently. Such meeting rooms should support dialing in from standard based video end points, internal and external users and browser based clients / <b>soft clients</b> . The system should allow one Virtual meeting room per employee, however it should not consume resources when not in use	The conditions given in the RFQ cum RFP shall remain unchanged
83	Vol. II, UC-MCU-1.171, Pg. No. 547	The MCU should support 40 ports or more at HD 1080p (transmit and receive) up to 4Mbps on IP in continuous presence mode with 30fps, 500 audio ports for conferencing IP Phone users, 100 WebRTC connections and H.264 resolution and AES encryption on the same MCU	The MCU should support 40 ports or more at HD 1080p (transmit and receive) up to 4Mbps on IP in continuous presence mode with 30fps <b>or</b> 200 audio ports for conferencing IP Phone users <b>or</b> 100 WebRTC <b>or soft client connections</b> and H.264 resolution and AES encryption on the same MCU	The conditions given in the RFQ cum RFP shall remain unchanged

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Sr. No.	(Volume No., Section No., Page No.)	Content of the RFP requiring clarification	Clarification Sought	Clarification
84	Vol. II, UC-MCU-1.176, Pg. No. 548	The MCU should support on-screen text messaging on video endpoints, so that if there's a delay in starting a meeting, participants can be informed.	The MCU / <b>Endpoint</b> should support on-screen text messaging on video endpoints, so that if there's a delay in starting a meeting, participants can be informed.	The conditions given in the RFQ cum RFP shall remain unchanged
85	Vol. II, UC-MCU-1.179, Pg. No. 548	Should support H.263, H.263+, H.263++, H.264, H.264 SVC/H.264 High Profile video algorithms	Should support H.263 / H.263+ / H.263++, H.264, H.264 SVC/H.264 High Profile video algorithms	The conditions given in the RFQ cum RFP shall remain unchanged
86	Vol. II, UC-MCU-1.182, Pg. No. 548	Along with the support for basic algorithms like G.711 and G.722.1 the MCU should also support wideband Audio protocols like MPEG 4 AAC - LC and MPEG 4 AAC - LD	Along with the support for basic algorithms like G.711 and G.722.1 the MCU should also support wideband Audio protocols like MPEG 4 AAC - LC / MPEG 4 AAC - LD	The conditions given in the RFQ cum RFP shall remain unchanged
87	Vol. II, UCVCP55-1.194, Pg. No. 549	The system should be an integrated system with Codec, HD 1080p camera with automatic speaker tracking camera, Mic, 7" or higher touch panel, cables and power supply, 55" LCD/LED and a floor mount kit. The 55" screen, codec, camera, microphones, floor cum wall mounted kit should be from same OEM with a single OEM part code. The system should not be a locally fabricated unit. The unit should have integrated speakers of minimum 60 watts or more	The system should be an integrated system with Codec, HD 1080p camera with automatic speaker tracking camera, Mic, 7" or higher touch panel, cables and power supply, 55" LCD/LED and a floor mount kit. The 55" screen, codec, camera, microphones, floor / wall mounted kit should be from same OEM with a single OEM part code. The system should not be a locally fabricated unit. The unit should have integrated speakers of minimum 60 watts or more	Please refer <b>Sr. No. 12</b> of Addendum 6

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Sr. No.	(Volume No., Section No., Page No.)	Content of the RFP requiring clarification	Clarification Sought	Clarification
88	Vol. II, UCVCP55-1.196, Pg. No. 549	The system should deliver 1080p@60fps in motion and in sharpness video mode day one.	The system should deliver 1080p@60fps in motion / sharpness video mode day one.	The conditions given in the RFQ cum RFP shall remain unchanged
89	Vol. II, UCVCP55-1.199, Pg. No. 549	H.263/H.264, H.265	H.263/H.264, <b>H.264 HP/</b> H.265	The conditions given in the RFQ cum RFP shall remain unchanged
90	Vol. II, UCVCP55-1.205, Pg. No. 549	The system should supports Video resolutions from CIF, QCIF, 4CIF, 448p, 576p,w448p, w576p, VGA, SVGA, HD 720p@30fps, 720p@60fps ,1080p@30fps and HD 1080p@60fps, XGA and SXGA. The PC resolution should be WXGA or 720p	The system should supports Video resolutions from <b>CIF to HD</b> , 720p@30fps, 720p@60fps, 1080p@30fps and HD 1080p@60fps. The PC resolution should be <b>XGA , SXGA</b> , WXGA or 720p	The conditions given in the RFQ cum RFP shall remain unchanged
91	Vol. II, UCVCP55-1.212, Pg. No. 550	Should have a built in microphone so that there is no need to connect any additional microphone for audio capture	Should have a built in <b>or external microphone</b> for audio capture	The conditions given in the RFQ cum RFP shall remain unchanged
92	Vol. II, UCVCP55-1.217, Pg. No. 550	The system must have the ability to pair mobile devices such as Tablets and Smartphones based on iOS or Android platforms so that these devices can be used for: 1) View the Presentation that is being shown in the VC call. 2) Add and disconnect call. 3) Take snapshot of the presentation being shown	The system must have the ability to pair mobile / Tablet devices such as Tablets / Smartphones based on iOS or Android platforms so that these devices can be used for: 1) <b>Share /</b> View the Presentation in the VC call. 2) Add and disconnect call, <b>move the call from Tablet / mobile device to/ from video unit</b>	The conditions given in the RFQ cum RFP shall remain unchanged

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Sr. No.	(Volume No., Section No., Page No.)	Content of the RFP requiring clarification	Clarification Sought	Clarification
93	Vol. II, UCVCP55-1.225, Pg. No. 550	It should be possible to view the presentation in a separate quadrant as well as each of the far end sites in individual quadrants. The far end sites must not appear in only one quadrant together	It should be possible to view the presentation in a separate quadrant as well as far end sites in individual quadrants.	The conditions given in the RFQ cum RFP shall remain unchanged
94	Vol. II, UCVCP55-1.226, Pg. No. 551	Total management via embedded SNMP, Telnet, SSH, XML, SOAP. The system should be operated using a 7" touch panel for call connection, disconnection, mute/unmute, presentation sharing	Total management via embedded SNMP, Telnet, SSH / XML / SOAP. The system should be operated using a 7" touch panel for call connection, disconnection, mute/unmute, presentation sharing	The conditions given in the RFQ cum RFP shall remain unchanged
95	Vol. II, UCVCP55-1.227, Pg. No. 551	Remote software upload: via web server, SCP, HTTP, HTTPS, Remote control and on-screen menu system	Remote software upload: via web server: HTTP, HTTPS or Remote Control or On-Screen Menu System	The conditions given in the RFQ cum RFP shall remain unchanged
96	Vol. II, UCVCP55-1.231, Pg. No. 551	H.261, H.263, H.264 and latest ITU-T standard H.265, SIP and H.323	H.261, H.263, H.264 and latest ITU-T standard H.264 HP/ H.265, SIP and H.323	The conditions given in the RFQ cum RFP shall remain unchanged
97	Vol. II, UCVCP55-1.240, Pg. No. 551	It should be possible to send feed from 2 cameras and 1 presentation source simultaneously during the call	It should be possible to send feed from 2 cameras source simultaneously during the call	The conditions given in the RFQ cum RFP shall remain unchanged
98	Vol. II, UC-VCST-1.243, Pg. No. 552	Should support up to 4 OEM Microphone inputs from day one, with 3 microphones supplied day one. The microphone and microphone cables should be from same the OEM as that of the video	Should support up to 4 OEM Microphone from day one, with 3 microphones supplied day one. The microphone and microphone cables should be from same the OEM as that of the video endpoint. 1 x OEM cables of min. length 9mts and 2 x	The conditions given in the RFQ cum RFP shall remain unchanged



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Sr. No.	(Volume No., Section No., Page No.)	Content of the RFP requiring clarification	Clarification Sought	Clarification
		endpoint. 1 x OEM cables of length 9mts and 2x OEM cables of 18mts should be supplied	OEM cables of <b>min. 15</b> mts should be supplied	
99	Vol. II, UC-VCST-1.244, Pg. No. 552	The system should have 3 x HDMI digital audio inputs	The system should have <b>3 digital audio inputs/ outputs</b>	The conditions given in the RFQ cum RFP shall remain unchanged
100	Vol. II, UC-VCST-1.245, Pg. No. 552	The system should have at least 4 balanced line level outputs to connect to the external public addressing system	The system should have <b>line level outputs</b> to connect to the external public addressing system	The conditions given in the RFQ cum RFP shall remain unchanged
101	Vol. II, UCVC70D-1.258, Pg. No. 553	The video endpoint should be an OEM integrated solution with a dual 70" LCD or above with edge lit LED, integrated 1080p codec within the dual 70" display, dual 1080p60fps automatic voice tracking cameras, Integrated full-range multichannel and bass speakers with 400W amplifier system, 10" touch panel, 8 Microphones, with free standing pedestal kit. The part number and product information for the solution should be available on the OEM's website	The video endpoint should be an OEM integrated solution with a dual <b>65"</b> LCD or above with edge lit LED, integrated 1080p codec within the dual <b>65"</b> display, dual 1080p60fps automatic voice tracking cameras, Integrated full-range multichannel and bass speakers with <b>min. 200W Audio system</b> , 10" touch panel, 8 Microphones <b>either directly or via Audio DSP from the same OEM</b> , with free standing pedestal kit.	The conditions given in the RFQ cum RFP shall remain unchanged
102	Vol. II, UCVC70D-1.259, Pg. No. 553	H.263, H.264 and latest ITU-T standard H.265	H.263, H.264 and latest ITU-T standard H.265/ <b>H.264 HP</b>	The conditions given in the RFQ cum RFP shall remain unchanged



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Sr. No.	(Volume No., Section No., Page No.)	Content of the RFP requiring clarification	Clarification Sought	Clarification
103	Vol. II, UCVC70D-1.272, Pg. No. 553	Should support 8 Microphone inputs from day one, with 8 microphones supplied day one. The microphone cables should be OEM make and minimum 5 Mtr and 15 mts respectively	Should support 4 Microphone from day one, with 4 microphones supplied day one. <b>Alternately Audio DSP from the same OEM can be proposed to fulfil the requirement.</b>	The conditions given in the RFQ cum RFP shall remain unchanged
104	Vol. II, UCVC70D-1.279, Pg. No. 554	IP--up to 10Mbps	IP--up to 6 Mbps	The conditions given in the RFQ cum RFP shall remain unchanged
105	Vol. II, UCVC70D-1.301, Pg. No. 555	The system must have the ability to pair mobile devices such as Tablets and Smartphones based on iOS or Android platforms so that these devices can be used for: 1) View the Presentation that is being shown in the VC call 2) Add and disconnect call 3) Take snapshot of the presentation being shown	The system must have the ability to pair <b>mobile / Tablet</b> devices such as Tablets / Smartphones based on iOS or Android platforms so that these devices can be used for: 1)Share / View the Presentation in the VC call. 2) Add and disconnect call, <b>move the call from Tablet/ mobile device to/ from video unit</b>	The conditions given in the RFQ cum RFP shall remain unchanged
106	Vol. II, UCVC70D-1.305, Pg. No. 555	The dual cameras should also have the ability to act independently as main & auxiliary camera if required. This feature should be activated with configuration changes without additional hardware	<b>This feature is proprietary; please make this optional</b>	The conditions given in the RFQ cum RFP shall remain unchanged
107	Vol. II, UC-VCST-1.255, Pg. No. 552	The dual cameras should also have the ability to act independently as main & auxiliary camera if required. This feature should be activated	<b>This feature is proprietary; please make this optional</b>	The conditions given in the RFQ cum RFP shall remain unchanged

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Sr. No.	(Volume No., Section No., Page No.)	Content of the RFP requiring clarification	Clarification Sought	Clarification
		with configuration changes without additional hardware		