

Corrigendum 3

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S.no	Chapter no. of RFP	Page no of RFP	Point no.	Clause as per RFP	Amendments/Changes
1	CHAPTER- I Offline and Online Bid Submission Documents	9	1.2 "Online Submissions" Envelop-1 Point 15 (Additional point)	NA	The bidder should have "KHADC Trading License", whose certificate has to be enclosed. In case the Bidder does not have "KHADC trading license", bidder shall procure the same within 45 days from the date of award of contract, failing to produce KHADC trading license may lead to cancellation of the work order/Contract.
2	CHAPTER-V Scope of Work	22	5.10'	Delivery/ Commissioning of all the goods at new campus of IIM Shillong should be made within a maximum of 16 weeks/ 22 weeks from the date of placement of LOI/LOA.	This should be read as: Delivery/ Commissioning of all the goods at new campus of IIM Shillong should be made within a maximum of 16 weeks/ 26 weeks from the date of placement of LOI/LOA.
3	CHAPTER- VI Eligibility and Bid Evaluation	32	6.2 S.no. 1	The Bidder should be either a firm or company registered under Companies Act, 1956 or 2013 in India and should have been in operation in India for at least last 7 years as on the date of submission of the bid. Consortium of companies/ firms is not allowed. Copies of VAT/CST/ GST registration certificates of the Firm should be submitted to establish the date of start of business.	This should be read as: The Bidder should be either a firm or company registered under Companies Act, 1956 or 2013 in India and should have been in operation in India for at least last 7 years as on the date of submission of the bid. Consortium of companies/ firms is not allowed. Copies of VAT/CST/ GST registration certificates of the Firm should be submitted to establish the date of start of business. OR For MSME/Startup The Bidder should be either a firm or company registered under Companies Act, 1956 or 2013 in India and should have been in operation in India for at least last 3 years , as on the date of submission of the bid. Consortium of companies/ firms is not allowed. Copies of VAT/CST/ GST registration certificates of the Firm should be submitted to establish the date of start of business.

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4	CHAPTER-VI Eligibility and Bid Evaluation	32	6.2 S.no. 2	<p>The Bidder should have at least three work orders for similar type of work each costing not less than Rs. 6,00,00,000/- in any Govt. department/ institutes in the last seven years (executed as on date of submission of bid).</p> <p>OR</p> <p>The Bidder should have at least two work orders for similar type of work each costing not less than Rs. 7,50,00,000/- in any Govt. department/ institutes in the last seven years (executed as on date of submission of bid).</p> <p>OR</p> <p>The Bidder should have at least one work order for similar type of work costing not less than Rs. 12,00,00,000/- in any Govt. department/ institutes in the last seven years (executed as on date of submission of bid).</p>	<p>This should be read as: The Bidder should have at least three work orders for similar type of work each costing not less than Rs. 6,00,00,000/- in any Govt. department/ institutes in the last seven years (executed as on date of submission of bid).</p> <p>For MSME/Startup The Bidder should have at least three work orders for similar type of work each costing not less than Rs. 4,80,00,000/- in any Govt. department/ institutes in the last seven years (executed as on date of submission of bid).</p> <p>OR</p> <p>The Bidder should have at least two work orders for similar type of work each costing not less than Rs. 7,50,00,000/- in any Govt. department/ institutes in the last seven years (executed as on date of submission of bid).</p> <p>For MSME/Startup The Bidder should have at least two work orders for similar type of work each costing not less than Rs. 6,00,00,000/- in any Govt. department/ institutes in the last seven years (executed as on date of submission of bid).</p> <p>OR</p> <p>The Bidder should have at least one work order for similar type of work costing not less than Rs. 12,00,00,000/- in any Govt. department/ institutes in the last seven years (executed as on date of submission of bid).</p> <p>For MSME/Startup The Bidder should have at least one work order for similar type of work costing not less than Rs. 9,60,00,000/- in any Govt. department/ institutes in the last seven years (executed as on date of submission of bid).</p>

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5	CHAPTER-VI Eligibility and Bid Evaluation	34	6.2 S.no. 11	Solvency certificate issued from bank of bidder for minimum value of Rs. 6 Crores; not more than 6 months old	This should be read as: Solvency certificate issued from bank of bidder for minimum value of Rs. 6 Crores; not more than 6 months old. OR For MSME/Startup Solvency certificate issued from bank of bidder for minimum value of Rs. 4.8 Crores; not more than 6 months old.
6	Chapter-VII Timeline & terms	35	7.1, S.no.1	Payment % of the Contract Value, X=40	Payment % of the Contract Value, X=60
7	Chapter-VII Timeline & terms	35	7.1, S.no.2	Payment % of the Contract Value, Y=40	Payment % of the Contract Value, Y=20
8	ANNEXURE -IX	53	6	Earnest Money Deposit amounting to Rs. ----- in the form of DD/Pay Order No. ----- dated ----- issued by ----- Bank is submitted.	This should be reads as: Earnest Money Deposit amounting to Rs. ----- in the form of BG/DD/Pay Order No. ----- dated ---- ----- issued by ----- Bank is submitted.
9	IP Phone Type-I	75	2	It should be POE Class-1 device	It should be read as: It should be minimum POE Class-1 device or better.
10	IP Phone Type-I	75	5	It Should support Audio codecs like G.711, G.722, G.726, G.729 and Opus.	This should be read as: It Should support Audio codecs like G.711a, G.711μ, and G.729ab
11	IP Phone Type-I	75	6	The IP Phone should also support wireless module for wifi connectivity	This clause is deleted.
12	IP Phone Type-II	75	5	It should be POE Class-1 device	It should be read as: It should be minimum POE Class-1 device or better.
13	IP Phone Type-II	75	6	It should support audio codecs such as Codec support G.711 a/u, G.722, G.726A, G.729, G.729A, G.729AB, Opus	This should be read as: It Should support Audio codecs like G.711a, G.711μ, G.722, and G.729AB
14	IP Phone Operator Console	76	4	It Should have Dual Gigabit Ethernet Port (10/100/1000) with PoE Class - 1 Support.	This should be read as: It Should have Dual Gigabit Ethernet Port (10/100/1000) with minimum PoE Class - 1 Support.

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15	IP Phone Operator Console	76	5	It should support audio codecs such as Codec support G.711 a/u, G.722, G.726A, G.729, G.729A, G.729AB, Opus	This should be read as: It Should support Audio codecs like G.711a, G.711μ, G.722, and G.729ab
16	IP Phone Operator Console	76	8	It Should be configured with one (1) 24 Keys Expansion Module (should support three 24-Keys Expansion Module)	This should be read as: It Should be configured with minimum one (1) 24 Keys Expansion Module (should support expansion upto 72 Keys)
17	Fixed Cellular Terminal	76	2	Approved makes: Avaya, Alcatel, Cisco	This should be read as: Avaya, Alcatel, Cisco or any third party device, that should be compatible with the approved makes of server based IP-PBX.
18	Server Based-IP PBX	77	3	IP PBX should support the flexible connection of Analog, Digital & IP (H.323 and SIP) Desk Phone in any combination, Mobile WLAN and Soft Phones with in one system. It should support Redundancy with dual Servers such that the system should be able to switchover to other server in case of failure of one server.	This should be read as: IP PBX should support the flexible connection of Analog & IP (H.323 and SIP) Desk Phone in any combination, Mobile WLAN and Soft Phones with in one system. It should support Redundancy with dual Servers such that the system should be able to switchover to other server in case of failure of one server.
19	Call Reporting Functionality Software	78	8	Approved makes: Avaya, Alcatel, Cisco	This should be read as: Avaya, Alcatel, Cisco or any third party software, that should be compatible with the approved makes of server based IP-PBX.
20	Firewall	78	1	Next generation firewall should have minimum following Interfaces : 2 x 10GE SFP+ Slots, 8 x GE RJ45 Interfaces,8 x GE SFP Slots,2 x GE RJ45 Management Ports (High Availability) , 2 x USB Ports	This specification should be read as Next generation firewall should have minimum following Interfaces: 2 x 10GE SFP+ Slots, 4 x GE RJ45 Interfaces,8 x GE SFP Slots,1 x GE RJ45 Management Ports, 1 x USB Port. NGFW Should Support IPS, Application Control, Content Filtering, Advanced Threat Protection, Sandboxing & Botnet from day 1 and these should be included as a bundle of services in the NGFW for a minimum period of 03 years with 24X7 Support.

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21	Firewall	78	Additional Point	NA	NGFW should be loaded with 4 nos of 1GE SFP SX MM Module from day one.
22	Firewall	78	6	Should support minimum NGFW Throughput - 9 Gbps / Threat Protection Throughput - 5.5 Gbps / Firewall 1518B (UDP) - 19 Gbps / Concurrent Session - 8 Million / IPSEC VPN Throughput - 18 Gbps / New Sessions Per Second-160000.	This should be read as: Should support minimum NGFW Throughput - 9 Gbps , Threat Protection Throughput - 5.5 Gbps , Firewall 1518B (UDP)/ Firewall 1024B - 19 Gbps, Concurrent Session - 8 Million, IPSEC VPN Throughput - 18 Gbps ,New Sessions Per Second-160000.
23	Firewall	78	7	Approved makes: Fortinet, Palo Alto, Checkpoint	This should be read as: Fortinet, Palo Alto, Checkpoint, Cisco
24	Core Switch	79	2	The Core Switch should support Virtual Switching System (VSS) or Virtual Chassis (VC) or equivalent Switch Clustering feature, where the Switch Clustering feature should combine multiple switches into a single network element.	This specification should be read as The Core Switch should support Virtual Switching System (VSS) or Virtual Chassis (VC) or VPC or equivalent Switch Clustering feature, where the Switch Clustering feature should combine multiple switches into a single network element.
25	Core Switch	79	4	Forwarding Capacity: The Core Switch should provide wire-speed packet forwarding of 2 Bpps (2000 Mpps) or more.	This should be read as: Forwarding Capacity: The Core Switch should provide wire-speed packet forwarding of minimum 1.5 Bpps (1500 Mpps) or better.
26	Distribution Switch	80	3	The Distribution Switch should support Virtual Switching System (VSS) or Virtual Chassis (VC) or equivalent Switch Clustering feature, where the Switch Clustering feature should combine multiple switches into a single network element.	This specification should be read as The Core Switch should support Virtual Switching System (VSS) or Virtual Chassis (VC) or VPC or equivalent Switch Clustering feature, where the Switch Clustering feature should combine multiple switches into a single network element.

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27	Distribution Switch	80	4	Switching Bandwidth: Switch should provide Non-Blocking switch fabric capacity of 1.9 Tbps(1900 Gbps) or more.	This should be read as: Switch should provide Non-Blocking switch fabric capacity of 1.4 Tbps(1400 Gbps) or better
28	Distribution Switch	80	5	Forwarding Capacity: Switch should provide wire-speed packet forwarding of 1.4 Bpps (1400 Mpps) or more	This should be read as: Forwarding Capacity: Switch should provide wire-speed packet forwarding of 1 Bpps (1000 Mpps) or better
29	Network Switch : 48-Port PoE+	81	4	Should support Stacking up to 08 Switches in a stack and should be configured with stacking ports from day 1	This should be read as: Should support Stacking of minimum 05 Switches or more in a stack or equivalent and should be configured with stacking ports from day 1.
30	Network Switch : 48-Port PoE+	81	Additi onal point		Switch Should have field replaceable/hot swappable dual power supply with fan from day one
32	Network Switch : 24-Port PoE+	81	4	Should support Stacking up to 08 Switches in a stack and should be configured with stacking ports from day 1	This should be read as: Should support Stacking of minimum 05 Switches or more in a stack or equivalent and should be configured with stacking ports from day 1.
32	Network Switch : 24-Port PoE+	81	Additi onal point		Switch Should have field replaceable/hot swappable dual power supply with fan from day one
33	12 Port POE+ Switch (Multi Gig)	82	1	Switch should have minimum 4x 100/1000/2.5 802.3bt ready ports, 6x 100/1000/2.5G PoE+ ports, 2x 10G SFP+ uplink-ports,	This specification should be read as: Switch should have minimum 4x 100/1000/2.5G min 60W PoE supported ports, 6x 100/1000/2.5G PoE+ ports, 2x 10G SFP+ uplink-ports.

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34	Wireless LAN Controller	82	1	Hardware based WLAN Controller loaded with 500 AP Licenses from day one and should be scalable and support up to 1000 APs in a single 1 RU chassis with licenses upgrade.	<p>This should be read as: Hardware/COTS VM based WLAN Controller loaded with 500 AP Licenses from day one and should be scalable and support up to 1000 APs in a single 1 RU chassis with licenses upgrade.</p> <p>Note: COTS VM based WLAN controller should be accompanied with all the requisite hardware, licenses, software without incurring any extra cost/burden on IIM Shillong and the cost quoted for COTS VM based WLAN Controller should comprise the total incurred cost of the entire system (hardware, licence, software and all other requisite components).</p>
35	Wireless LAN Controller	82	2	Controller should have capacity to handle minimum 25000 or more Concurrent devices. And With cluster: 60,000 for future support	<p>This Should be read as: Controller should have capacity to handle minimum 10000 or more Concurrent devices and Minimum 60,000 for future support either through cluster or through a single hardware.</p>
36	Wireless LAN Controller	83	10	IPv6 Features : WLC should support L2 and L3 roaming of IPv6 clients, WLC should support IPv4/IPv6 access control lists, WLC should support Guest-access functionality for IPv6 clients	<p>This should be read as: WLC should support L2 and L3 roaming of IPv6 clients, WLC should support IPv4/IPv6 access control lists, WLC should support Guest-access functionality for IPv4/IPv6 clients</p>
37	Wireless LAN Controller	83	13	Controller should support Zero touch mesh configuration from day one and Option for mesh backhaul on both 2.4 and 5GHz from day one	<p>The specification to be read as: Controller should support mesh configuration from day one and Option for mesh backhaul on either 2.4 or 5GHz from day one</p>

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38	Wireless LAN Controller	83	14	The proposed Wireless LAN Controller should also be able to integrate, manage and control existing Wireless Controller available with IIM Shillong (Ruckus Zone Director 1200) and Wireless Access Points (R700, R600, T710s, T710 & T300) installed in the old campus which would be moved to the new campus.	This should be read as: The proposed Wireless LAN solution & existing Ruckus Wireless solution [Ruckus Zone Director 1200] installed in the old campus (which would be moved to the new campus) and Wireless Access Points (R700, R600, T710s, T710 & T300)]; should be interoperable from wireless standard point of view.
39	Wireless LAN Controller	83	15	Approved makes: Ruckus, Juniper, Cisco, HP (Aruba)	Approved makes: Ruckus, Cisco, Juniper, HP (Aruba), Dell, Arista Networks
40	Wireless access point Type-III	84	1	It Should be Dual-band 802.11abgn/ac/ax, Wi-Fi 6 AP that supports 8 spatial streams (4x4:4 in 5GHz, 4x4:4 in 2.4GHz)	This should be read as: It Should be Dual-band 802.11abgn/ac/ax, Wi-Fi 6 AP that supports 4 spatial streams in 5GHz & 4 spatial stream in 2.4GHz.
41	Wireless access point Type-III	84	2	It should provide minimum concurrent data rate of 2400 Mbps in the 5 GHz band and 1148 Mbps in the 2.4 GHz band	This should be read as: It should provide minimum concurrent data rate of 2400 Mbps in the 5 GHz band and 1147 Mbps in the 2.4 GHz band.
42	Wireless access point Type-III	84	3	Wireless Access Point should have Dual Ethernet Ports, One 2.5Gbps Ethernet port and one 1Gbps Ethernet port	This should be read as: Wireless Access Point should have minimum one Ethernet Ports of 2.5Gbps.
43	Wireless access point Type-III	84	6	It should support more than 1000 Clients per AP	This should be read as: It should support minimum 500 Clients per AP or more.
44	Wireless access point Type-III	84	7	It should support Smart Mesh & Self-healing Mesh	This should be read as: It should support Smart Mesh/Self-healing Mesh.
45	Wireless access point Type-III	84	8	Approved makes: Ruckus, Juniper, Cisco, HP (Aruba)	This should be read as: Approved makes: Ruckus, Cisco, Juniper, HP (Aruba), Dell, Arista Networks

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46	Wireless access point Type-II	84	6	Approved makes: Ruckus, Juniper, Cisco, HP (Aruba)	This should be read as: Approved makes: Ruckus, Cisco, Juniper, HP (Aruba), Dell, Arista Networks
47	Wireless access point Type-I	83	6	Approved makes: Ruckus, Juniper, Cisco, HP (Aruba)	This should be read as: Approved makes: Ruckus, Cisco, Juniper, HP (Aruba), Dell, Arista Networks
48	5 MP DOME IP CAMERA	84	2	Lens Type - 2.7 to 12 mm	This should be read as: Lens Type - 3.5 mm to 10 mm or better
49	5 MP DOME IP CAMERA	85	3	It should be F1.6 with Motorized Zoom/Focus	This should be read as: It should be F1.3 or better with Motorized/Remote Zoom/Focus
50	5 MP DOME IP CAMERA	85	8	It should support built-in Essential Video Analytics following features : Intrusion, Loiter, Line crossing, Idle/Removed Object, Motion Detection, Object Counting, Tempering, Two -way Audio and Audio Alarm	This should be read as: It should support built-in Essential Video Analytics following features : Intrusion, Linger/ Loiter/ region Entering/Exiting, line crossing/ perimeter, Idle/Removed Object, Motion Detection, Object Counting/ detection, Tempering, Two - way Audio and Audio Alarm
51	5 MP DOME IP CAMERA	85	9	Edge recording using SD card support upto 256 GB or more for in-camera Storage	This should be read as: Edge recording using SD card support upto 128 GB or better for in-camera Storage
52	5 MP DOME IP CAMERA	85	12	Interoperability Certifications: Must support ONVIF Profile S, ONVIF Profile G/T compliant, UL,FCC,EN,IEC, Complied.	This should be read as: Interoperability Certifications: Must support ONVIF Profile S, ONVIF Profile G/T compliant, UL,FCC,EN/IEC/CE/BIS Complied.
53	5 MP DOME IP CAMERA	85	13	Approved makes: Bosch, Axis, Pelco	This should be read as: Approved makes: Bosch, Axis, Pelco, Honeywell, Tyco
54	5 MP IR BULLET INDOOR/O UTDOOR IP CAMERA	85	2	2.7 mm - 12 mm Lens with image quality up to 30 fps	This should be read as: 2.8 mm - 8.5 mm Lens or better with image quality up to 30 fps
55	5 MP IR BULLET INDOOR/O UTDOOR IP CAMERA	85	3	Should have Auto Zoom/Focus	This should be read as: Should have Auto/Remote Zoom/Focus

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56	5 MP IR BULLET INDOOR/O UTDOOR IP CAMERA	85	4	Should fully configurable H.265 multi-streaming	This should be read as: Should support Multiple Configurable Video Streaming in H.264 or H.265 and M JPEG
57	5 MP IR BULLET INDOOR/O UTDOOR IP CAMERA	85	7	IR range of 50 meter (164 feet) or more	This should be read as: IR range of 30 meter or more
58	5 MP IR BULLET INDOOR/O UTDOOR IP CAMERA	85	8	Built-in Essential Video Analytics which supports - : Intrusion, Loiter, Line crossing, Idle/Removed Object, Motion Detection, Object Counting, Tempering, Two -way Audio and Audio Alarm	This should be read as: It should support built-in Essential Video Analytics following features : Intrusion, Linger/ Loiter/ region Entering/Exiting, line crossing/ perimeter, Idle/Removed Object, Motion Detection, Object Counting/ detection, Tempering, Two - way Audio and Audio Alarm
59	5 MP IR BULLET INDOOR/O UTDOOR IP CAMERA	85	9	Local Storage with internal RAM - 60 s pre-alarm recording and supports local Storage upto 256 GB or more using SDXC card	This should be read as: Local Storage with internal RAM - 60 s pre-alarm recording and supports local Storage upto 128 GB or better using SDXC card
60	5 MP IR BULLET INDOOR/O UTDOOR IP CAMERA	86	10	PoE+/PoE Power Support / Ingress Protection IP 67, Vandal Proof IK 10, including the front glass of the camera, Having Operating temp range : -40°C to +60° C	This should be read as: PoE+/PoE Power Support / Ingress Protection IP 67, Vandal Proof IK 10, including the front glass of the camera, Having Operating temp range : -30°C to +60° C
61	5 MP IR BULLET INDOOR/O UTDOOR IP CAMERA	86	11	Interoperability Certifications: Must support ONVIF Profile S, ONVIF Profile G/T compliant, UL,FCC,EN,IEC, Complied.	This should be read as: Interoperability Certifications: Must support ONVIF Profile S, ONVIF Profile G/T compliant, UL,FCC,EN/IEC/CE/BIS Complied.
62	5 MP IR BULLET INDOOR/O UTDOOR IP CAMERA	86	12	Approved makes: Bosch, Axis, Pelco	This should be read as: Approved makes: Bosch, Axis, Pelco, Honeywell, Tyco

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63	VIDEO MANAGEMENT SOFTWARE FOR SURVEILLANCE	87	14	Approved makes: Bosch, Axis, Pelco, Videonetics, Milestone	This should be read as: Approved makes: Bosch, Axis, Pelco, Honeywell, Tyco, Videonetics, Milestone
64	VMS & Analytics Server	88	5	RAID Controller : 12 Gbps PCIe 3.0 with 8GB cache RAID 1,5,10,6	This Should be read as: RAID Controller : 12 Gbps PCIe 3.0 with 2GB cache RAID 1,5,10,6
65	Networkable Door Access Controller	88	6	Each controller shall have a Minimum database of 100,000 card holder capacity and 100,000 Transaction events with memory on board per controller.	This should be read as: Each controller shall have a Minimum database of 100,000 card holder capacity and 80,000 Transaction events with memory on board per controller.
66	55" Video Wall	87	Additi onal point		Should have: Brightness (Typ.) : 500 cd/m ² or better, Contrast Ratio: 1100:1 or better Response time (G to G): 08 ms or better Bezel to bezel : Maximum 3.5mm
67	55" Video Wall	87	Additi onal point		Should have: Minimum 01 HDMI/02 Display port/ Audio/RS-232C In/Out/RJ-45/IR/DVI-D, Smart calibration
68	Web browser based Access Control & Time Attendance Software	91	5	Supports shifts, leaves, Holidays, shift allocation employee and department wise, weekly off and manual updation of attendance /leaves /Outdoor duty	It should be read as: Supports shifts, leaves, Holidays, shift allocation employee and department wise, weekly off and manual updation of attendance /leaves /Outdoor duty through own software or through third party module.
69	Integrated Software	91	5	Approved makes: Honeywell, Tyco, Kaba	This should be read as: Approved makes: Honeywell, Tyco, Kaba, Pelco, Milestone
70	Display 1 - Multi-Touch Display	92	3	Installation-Landscape / Portrait/ Backward tilt (0 to 20, 45), Resolution 3,840 × 2,160 pixels	This should be read as: Installation-Landscape / Portrait/ Backward tilt, Resolution 3,840 × 2,160 pixels
71	Display 1 - Multi-Touch Display	92	4	Touch Technology- InGlass, Multi Touch- 20 points	This should be read as: Touch Technology- InGlass/IR, Multi touch - 04 points or more

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72	Display 1 - Multi-Touch Display	92	6	Build In Controller-Hexa Core [Arm® Cortex®-A72 processor (dual core) + Arm Cortex-A53 processor (quad core)]	This should be read as: Should have quad core processor or better.
73	Display 1 - Multi-Touch Display	92	7	Memory -4GB, built-in Storage-32 GB	This should be read as: Minimum Memory - 2GB or better, Minimum built-in Storage-8 GB or better.
74	Display 1 - Multi-Touch Display	92	8	Display Colours - 1.07 billion colours, Brightness-350 cd/m2, Contrast Ratio-5,000 : 1	This should be read as: Display Colours - 1.07 billion colours, Brightness-350 cd/m2, Contrast Ratio- 1,200 : 1 or better
75	Display 1 - Multi-Touch Display	92	10	USB (2.0 compliant) (Type B) × 2, Wireless LAN, Bluetooth, USB Hub Function USB port (2.0-compliant) × 2, Input Mini D-sub 15-pin × 1, HDMI × 2, Display Port (HDCP compatible) × 1, Output-Display Port (HDCP compatible) × 1, External Interface-LAN port , microSD card slot × 1, USB port (3.0-compliant) × 2, USB port (2.0-compliant) × 1, Quad-Screen Display, 16/7 Operation, Speaker Output- 10 W + 10 W. External-10 W + 10 W	This should be read as: Display should have minimum: Wireless LAN, Bluetooth/miracast/screen mirroring, RS232, HDMI × 2, External Interface-LAN port × 1 , USB port × 3, Touch Out × 1, 16/7 Operation, Speaker Output- 10 W + 10 W.
76	Display 2- Non-Touch Display	92		Multi Touch display should have following features:	This should be read as: Non- Touch Display should have following features:
77	Display 2- Non-Touch Display	93	3	Brightness-350 cd/m2, Contrast Ratio-4,000 : 1, Viewing Angle-178°, Response Time- 8 ms	This should be read as: Brightness-350 cd/m2, Contrast Ratio: 1,100 : 1 or better, Viewing Angle- 178°, Response Time- 8 ms
78	Display 2- Non-Touch Display	93	4	Backlight-LED direct lit, Input Ports -Mini D-sub 15-pin × 1, HDMI × 3, USB (2.0-compliant) × 1,	This should be read as: Backlight-LED direct lit, HDMI × 2 or better, USB (2.0-compliant) × 1 or better,

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79	Display 2-Non-Touch Display	93	5	Audio Output -RCA pin (L/R) × 1, Audio Input- 3.5 mm-diameter mini stereo jack × 1, LAN-10Base-T/100Base-TX × 1, Signage with Built-in Media Player, 16/7 Operation, Speaker Output- 10 W + 10 W.	This should be read as: Audio Output -RCA pin (L/R)/ 3.5 mm mini stereo jack × 1, Audio Input- 3.5 mm-diameter mini stereo jack × 1, LAN-10Base-T/100Base-TX × 1, Signage with Built-in Media Player, 16/7 Operation, Speaker Output- 10 W + 10 W.
80	Video Conferencing Systems	93	1	Video Conferencing Systems which should include all components of the VC system like 1 x Codec to support upto 8 participants (1+7) in HD quality, 2 x 12X Camera with base to support 2 (two) Camera , 1 x Microphone Array, Remote Control, HDMI cables and all should be from the same OEM.	This should be read as: Video Conferencing Systems which should include all components of the VC system like 1 x Codec to support minimum 5 participants (1+4) in HD quality, 2 x 12X Camera with base to support 2 (two) Camera , 1 x Microphone, Remote Control/touch panel, HDMI cables and all should be from the same OEM.
81	Video Conferencing Systems "Codec to support following specifications"	93	1	License to support upto 8 participants from day 1.	This should be read as: License to support upto 5 participants from day 1.
82	Video Conferencing Systems "Codec to support following specifications"	93	2	Video Standards and Protocols : It should support H.261, H.263, H.264 AVC, H.264 High Profile, H.264 SVC, RTV, H.239(People + Content) , H.263 & H.264 Video error concealment	This should be read as: Video Standards and Protocols : It should support H.263, H.264 AVC/SVC, H.264 High Profile/H.265, H.239(People + Content) , H.263 & H.264 Video error concealment
83	Video Conferencing Systems "Codec to support following specifications"	93	6	Audio Input : 2x Microphone array input ports (supporting a total of 4 microphone arrays), USB headset support, 2 x HDCI (Camera), 3 x HDMI, 2 x RCA line-in	This should be read as: Audio Input : Minimum 2x Microphone input ports , USB headset support,1 x HDCI/HDMI (Camera), 2 x HDMI, 1 x line-in

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S.no	Chapter no. of RFP	Page no of RFP	Point no.	Clause as per RFP	Amendments/Changes
84	Video Conferencing Systems "Codec to support following specifications"	94	7	Audio Output : 1 x HDMI (to in-room audio system), 1 x HDMI (to conference recording device), USB headset support, 1 x RCA pair stereo line-out	This should be read as: Audio Output : 2 x HDMI , USB headset support, 1 x line-out
85	Video Conferencing Systems "Codec to support following specifications"	94	9	Other Interfaces : 2 x USB 3.0 (back), 1 x USB 2.0 (front), 1 x RS- 232 DB9	This should be read as: Other Interfaces : Minimum 2 x USB, 1 x RS- 232 DB9/equivalent control port
86	Video Conferencing Systems "Codec to support following specifications"	94	10	Audio Standards & protocols : 22 kHz bandwidth , AAC-LD (TIP Calls), G.719 (Live Music Mode), 14 kHz bandwidth (G.722.1 Annex C), 7 kHz bandwidth with G.722, G.722.1, 3.4 kHz bandwidth with G.711, G.728, G.729A	This should be read as: Audio Standards & protocols : 22 kHz bandwidth , AAC-LD (TIP Calls), G.719 (Live Music Mode), 14 kHz bandwidth (G.722.1 Annex C), 7 kHz bandwidth with G.722, G.722.1, 3.4 kHz bandwidth with G.711, G.728, G.729A or equivalent/latest
87	Video Conferencing Systems "Codec to support following specifications"	94	11	Supports Automatic gain Control, Automatic Noise suppression, Keyboard noise reduction, Acoustic fence Technology, Live music mode, Audio error concealment	This should be read as: Supports Echo cancellation, Automatic gain Control(AGC), Automatic Noise suppression, Active lip synchronization/Audio error concealment.
88	Video Conferencing Systems "Camera and its Base to support two Camera should have following minimum specifications :"	94	1	Camera Type - 1/2.33" CMOS, 12 x Zoom, Lens focal length of f=3.76–37.6 mm, Lens F# of 1.2, 65° field of view, Auto focus, Vertical field of view of 39°, Pan range of +/-100°, Tilt range of +20/-30°	This should be read as: Camera Type - 1/2.8" CMOS or better, 12 x Zoom, Lens focal length of f=3.76–37.6 mm, Lens F# of 1.2 or better, 65° field of view or better, Auto focus, Vertical field of view of 39° or better, Pan range of +/-90° or better, Tilt range of +20/-20° or better

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S.no	Chapter no. of RFP	Page no of RFP	Point no.	Clause as per RFP	Amendments/Changes
89	Video Conferencing Systems "Camera and its Base to support two Camera should have following minimum specifications :"	94	2	Camera base should support Two nos of 12X Camera with 1 x mini-HDCI out to video System port, 2 x USB 2.0 ports, 1 x 3.5 mm stereo line-in jack, 1 x HDMI in, 1 x HDMI out and it should be capable of enhancing video conferencing experience with advanced face-recognition technology such that it automatically scans the room and seamlessly commands the main camera to appropriately frame and zooms in on an active speaker during a call without any manual intervention.	This should be read as: Camera base should support Two nos of 12X Camera with 1 x mini-HDCI/HDMI out to video System port, 1 x USB 2.0 ports, 1 x 3.5 mm stereo line-in jack or any other compatible external device, 1 x HDMI out and it should be capable of enhancing video conferencing experience with advanced face-recognition technology such that it automatically scans the room and seamlessly commands the main camera to appropriately frame and zooms in on an active speaker during a call without any manual intervention.
90	Wireless Presentation System	95	7	Should support display device control via CEC, IR, or RS-232	This specification is deleted.
91	Wireless Presentation System	96	10	Should be possible to integrate with lighting keypad and occupancy sensor	This specification is deleted.
92	DMPS (Digital Multimedia Presentation System)	95	Heading	DMPS (Digital Multimedia Presentation System)	This should be read as: Digital Matrix Switcher

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S.no	Chapter no. of RFP	Page no of RFP	Point no.	Clause as per RFP	Amendments/Changes
93	DMPS (Digital Multimedia Presentation System)	96	5	Should Support: 10/100/1000 Mbps Ethernet, auto-switching, autonegotiating, auto-discovery, full/half duplex, industry-standard TCP/IP stack, UDP/IP, CIP, DHCP, SSL, TLS, SSH, SFTP (SSH File Transfer Protocol), FIPS 140-2 compliant encryption, IEEE 802.1X, SNMP, IPv4 or IPv6, Active Directory authentication, IIS v.6.0 Web Server, SMTP e-mail client	This should be read as: Should Support: 10/100/1000 Mbps Ethernet, autoswitching, autonegotiating, autodiscovery, full/half duplex, industry standard TCP/IP stack, UDP/IP, CIP, DHCP, SSL, TLS, SSH, SFTP (SSH File Transfer Protocol), IEEE 802.1X, SNMP, IPv4 or IPv6, Active Directory authentication, IIS v.6.0 Web Server, SMTP email client
94	DMPS (Digital Multimedia Presentation System)	96	6	Should Natively support BACnet or a suitable external interface to be provided	This should be read as: Should Natively support Building Management System protocols such BACnet/KNX/DALI or a suitable external interface to be provided
95	DMPS (Digital Multimedia Presentation System)	96	9	Should have provision to remotely power twisted pair Transmitter and Receiver	This should be read as: Should have provision to remotely power twisted pair Transmitter/ Receiver
96	DMPS (Digital Multimedia Presentation System)	97	15	Approved Makes: Creston, Kramer, QSC	This should be read as: Approved Makes: Creston, Kramer, QSC and Extron
97	Twisted Pair Receiver	97	5	Should Allow adjustable overscan or underscan up to 7.5%	This should be read: Should Allow adjustable overscan or underscan up to 7.5% or a suitable external device to be provided separately to match the minimum requirement.
98	Twisted Pair Receiver	97	8	Should provide a balanced stereo analog line-level audio output with soft volume control, built-in audio deembedder or provide a suitable external audio de-embedder,	This should be read as: Should provide a balanced stereo analog line-level audio output with volume control, built-in audio deembedder or provide a suitable external audio de-embedder.

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S.no	Chapter no. of RFP	Page no of RFP	Point no.	Clause as per RFP	Amendments/Changes
99	IR Emitter Probe	103	3	Should not flash light when in use.	This specification is deleted.
100	HDMI Cable-30 feet	105	6	Approved Makes: Creston, Schneider Electric, Philips	Approved Makes: Creston, Schneider Electric, Philips, Kramer and Extron
101	HDMI Cable-6 feet	105	6	Approved Makes: Creston, Schneider Electric, Philips	Approved Makes: Creston, Schneider Electric, Philips, Kramer and Extron
102	Electronic Cable Cubby	105	6	Should handle 3D video and Deep Colour, should Allow embedding of stereo 2-channel analog audio signals or an external stereo Audio embedder to be provided. HDCP 2.2 compliant	This should be read as: Should handle 3D video and Deep Colour, should Allow embedding of stereo 2-channel analog audio signals or an external stereo Audio embedder to be provided. HDCP 2.2/1.4 compliant
103	Electronic Cable Cubby	106	7	Built-in device control via CEC, IR, RS232, and Ethernet or an external control port expansion unit to be provided.	This should be read as: Built-in device control via CEC/IR/RS232, and Ethernet or an external control port expansion unit to be provided.
104	Electronic Cable Cubby	106	8	Supports cable lengths up to 330 ft (100 m) for all resolutions up to UHD and 4K using Digital Media Ultra cable,	This should be read as: Supports cable lengths up to 330 ft (100 m) for all resolutions up to UHD and 4K using twisted pair cable.
105	Electronic Cable Cubby	106	9	Supports cable lengths up to 330 ft (100 m) for 1080p, WUXGA, and 2K using Digital Media 8G cable or CAT5e,	This specification is deleted.
106	Electronic Cable Cubby	106	10	Supports cable lengths up to 230 ft (70 m) for UHD and 4K using Digital Media 8G cable, or 165 ft (50 m) using CAT5e. Should have 1 x USB Charger and 1 x Universal AC Power Socket.	This should be read as: Should have 1 x USB Charger and 1 x Universal AC Power Socket.
107	Electronic Cable Cubby	106	11	Approved Makes: Creston, Schneider Electric, Philips	This should be read as: Approved Makes: Creston, Schneider Electric, Philips, Kramer and Extron

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108	7 inch Room Scheduling Touch Screen and Room Availability Light bar	106	2	Should support Microsoft Exchange Server® and Office 365® software, Google Calendar™ and G Suite™ software, and Ad Astra™ Schedule (IBM® Notes® and CollegeNET® 25Live® and Third-Party Apps Teem®, Robin®, Appspace®3, Zoom™, EMS Software®, Space Connect™, NFS™ Rendezvous, Gingco.net™, and SharingCloud™ scheduling applications.,	This Should be read as: Should support Microsoft® Exchange, Microsoft Office 365, Google Calendar™ and more.
109	7 inch Room Scheduling Touch Screen and Room Availability Light bar	106	4	Should have Bluetooth for Pinpoint and proximity detection beacon.	This specification is deleted.
110	7 inch Room Scheduling Touch Screen and Room Availability Light bar	106	5	Scheduling panel should be TFT active matrix Colour LCD, 10.1 in. diagonal, with 1280x800 pixels resolution, aspect ratio of 16:10,	This should be read as: Scheduling panel should be TFT/IPS active matrix Colour LCD, Minimum 7" in. diagonal, with 1024x600 pixels resolution or better, aspect ratio of 16:10 or better,
111	7 inch Room Scheduling Touch Screen and Room Availability Light bar	106	6	Should have viewing angle of $\pm 80^\circ$ horizontal, $\pm 80^\circ$ vertical or better,	This should be read as: Should have viewing angle of $\pm 75^\circ$ horizontal, $\pm 70^\circ$ vertical or better,
112	7 inch Room Scheduling Touch Screen and Room Availability Light bar	106	7	Should have built in camera with 5.0MP resolution and 50° horizontal Field of View,	This specification is deleted.

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S.no	Chapter no. of RFP	Page no of RFP	Point no.	Clause as per RFP	Amendments/Changes
113	7 inch Room Scheduling Touch Screen and Room Availability Light bar	107	10	Should be UL® Listed, CE, IC, FCC Part 15 Class B digital device compliant.	This should be read as: Should be UL® Listed/CE,FCC,RoHS/IC digital device compliant.

Sd/-
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