

Equipment Specifications:-

**1. Video Conferencing System: - 1 Nos -
Following are the specifications.**

S.N	Description	Specifications
1	Video conferencing system Package	Full HD1080p camera, codec with necessary cables & connectors, wall mount kit, Remote control, adjustable ceiling mount kit, Additional microphones. It should support H.323, SIP standards for communications.
2	Video Standards and Resolutions	It should support H.261, H.263, H.263+, H.264 It should support,1080p at 30fps,720p at 60fps and 720p at 30fps.
3	Content Standards and Resolutions	It should support content sharing using standard based H.239 and BFCP over SIP It should support content resolution at HD1080p@30fps
4	Audio Standards and Features	It should transmit both people and content simultaneously to the far end location at 1080p@ 30fps It should support G.711, G.728, G.729, G.722, G.722.1 or better It should support 15kHz bandwidth with crystal clear audio and stereo sound. Automatic Gain Control and Automatic Noise Reduction
5	Video and Audio Inputs	3xHD input for connecting main and additional HD cameras. 1*DVI/HDMI input for connecting PC/Laptop/HD device to share HD content Microphone Input 1x3.5mm stereo line-in
6	Video and Audio Outputs	3xHDMI/DVI output for connecting main monitor, recorders etc., 1x3.5mm stereo line-out
7	Other Interfaces	1x 10/100 LAN port 1xRS-232 mini-DIN8-pin
8	Camera	It should support 1080p at 60fps with minimum 10x optical zoom and min 70° field of view. ½"CMOS, Auto focus, Auto-Iris, minimum 50 lux, with IR Detectors It should support PAN Range of minimum +/-85°, and Tilt of +/-30° Camera Stand to mount base on the TV mounted on Ceiling.
9	Network Features	H.323 and SIP bandwidth support min 6Mbps IPv4 and IPv6 support from day one Auto Gatekeeper Discovery IP Precedence
10	Security	Media Encryption (H.323,SIP): AES-128, AES-256 Authenticated access to admin menus, web interface and Telnet API Local account password policy configuration H224/H.281, H.323 Annex, H.225, H.245, H.241, H.239, H.460 It should support native Lync server integrations

		Auto sensing power 50/60Hz
		<ul style="list-style-type: none"> From day one the codec should support optional feature of multi conferencing capability to connect minimum - 1+5 video sites. Dial In and Dial out Mode in IP networks should be supported Capability to mix IPDial In & Dialout participants in the same call. The multi-point call can be encrypted (AES/DES encryption) Any of the end points should be able to show presentation in addition to the main video in a Multipoint call.
11	Multi Conferencing	
12	Warranty	3 years Premium Partner warranty.

2. Multi party License for Video conferencing equipment - 1Nos

S.No	Description	Specifications
1	Multi party Video conferencing License for the above Video Conferencing equipment package.	Specify the number of Licenses for package.

3. Cables and Connectors - 1 sets.

S.No	Description	Specifications
1	Cables and connectors	Complete range of cables and connectors to integrate the above mentioned Video conferencing system

4. Full-HD – 55” LED Display Monitor for Video Conferencing System:- 1 Nos

S.No	Description	Specifications
1	Full-HD - LED Display Monitor for Video Conferencing System	Full-HD - LED Display Monitor – Slim LED backlight module. Screen size = 55” = 139 cms. With Remote control. Video / audio – input/ outputs: HDMI – 3 Nos USB 2.0 – 3 Nos Composite Video + audio Component Video + audio Headphone / RCA analog out.
2	3+3ft Ceiling Mounting Kit	

5. HDMI Video Recorder : - 1 Nos -

S.No	Description	Specifications
1	HD (High Definition) video Recorder	HDMI Video Input : Progressive 1920x1080 @ 60/59.94/50/30/29.97/25/24/23.98 Frames per second

	<p>1280x720@ 60/59.94/50 Frames per second. Interlaced 1920x1080i 29.97/25 frames per second Video Input Format Auto-Detectable.</p> <p>HDMI Video output : Preview output of video input signal.</p> <p>Recording File FoRecor Recording File Format: F File Type i- Industry Standard MP4 and MOV files with two channels of embedded AAC audio.</p> <p>Recording Lengths – Minimum file length of 300 Minutes.</p> <p>Storage types for file recording : To SupportSD and SDHC cards (Class 10) And USB 2.0</p>
	3 Years warranty.
	Warranty

6. Wireless Lapel Microphone – 1 Nos.

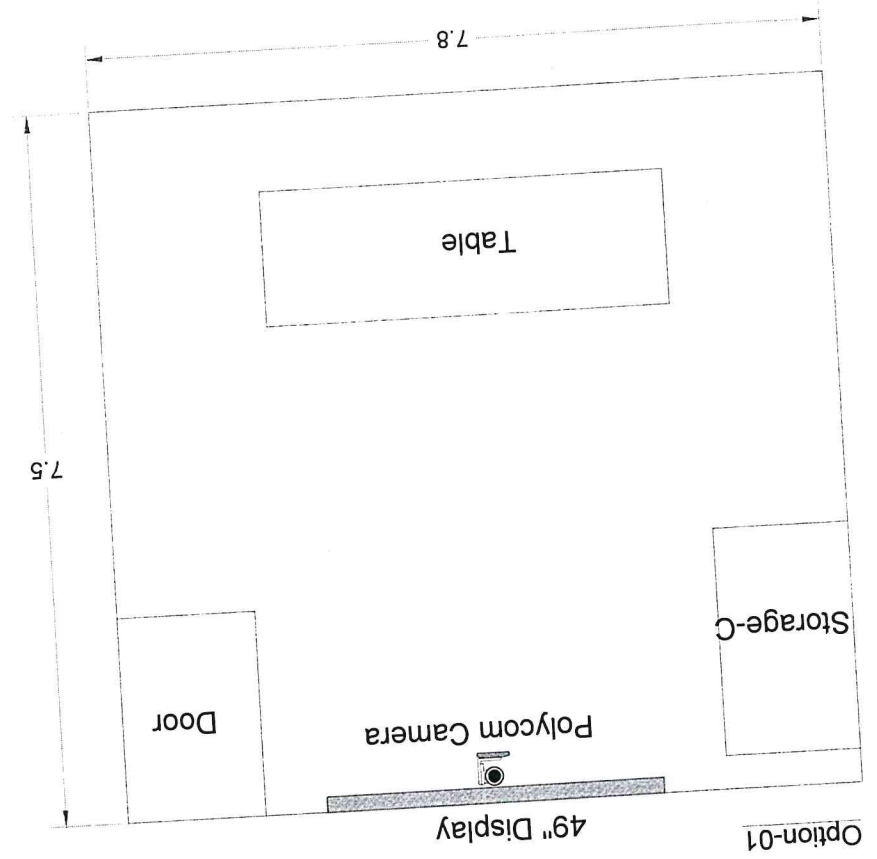
S.N o	Description	Specifications
1	Wireless Lapel Microphone set.	Consisting of Lapel Mic, wireless transmitter and compact receiver. The system should be UHF and of Broadcast audio quality. Microphone should be Cardoid – Unidirectional.

7. Interactive Tablet for PC / laptop: - 1 Nos -

S.N o	Description	Specifications
1	Interactive Tablet for PC / laptop	22" Touch creative Pen display. Full HD – 1920 X 1080. Multiple levels of Pen pressure. Should be compatible with Windows and Mac. Ergonomic rotating stand.

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Meeting

Note: All Dimensions are in Feet



Approved
D. Karaman



Option-02

Studio Project - AV BOM

S.no	Item Description	Make	Model	Qty
1	Display	Samsung	DC49H	1
2	3+3ft Ceiling Mouting Kit	Tech Aagum	Tech aagum	1
3	RealPresence Group 700-720p: Group 700 HD codec, EagleEyeIV-12x camera, mic array, univ. remote, NTSC/PAL. Cables: 1 HDMI 1.8m, 1 CAT 5E LAN 3.6m, 1 HDCI digital 3m, Power: UK-Type G, BS 1363.	Polycom	7200-64270-102	1
4	Partner Premier, One Year, RealPresence Group 700-720p: Group 700 HD codec, EagleEyeIV-12x camera.	Polycom	4870-64270-160	1
5	Group Series & Centro Multipoint License. 6-way on Group 500 & Centro. 8-way on Group 700. Either supports 4-way HD continuous presence.	Polycom	5150-65081-001	1
6	Group Series 1080p HD License-1080 encode/decode for people and content. Valid for Group 300, 500, 550, 700.	Polycom	5150-65082-001	1
7	Cables & Connectors	Tech Aagum	Tech aagum	lot
8	HDMI recorder	Matrox	Monarch HD	1
9	Interactive Tablet for Laptop	Wacom	DTK 1651	1
10	Camera Stand	Tech Aagum	Tech aagum	1
11	Equipment Rack 6U	Tech Aagum	Tech aagum	1
12	Installation Charges	SI	SI	1

A. Appender
C. Kemerlin