VIDEO CONFERENCING FEATURES

3.No	MINIMUM ESSENTIAL FEATURES	Remarks
1.	IP Networks to connect in point to point mode	
2.	Support H.264 video protocol, support G.722, G.711 audio protocols	
3.	H.281 far end camera control	
4.	Built-in acoustic echo canceller with noise reduction	
5.	Picture in Picture or side-by-side picture support	
6.	Support high definition video resolution of 720p 5fps for video for transmit and receive	
7.	H.239 Dual stream for Simultaneously Sending/Receiving content/ Presentation along with HD live video on two different monitors.	
8.	Should have required video and audio outputs to connect with two LCD/LED TV/Monitors as specified in item 5 &6 with 5mts & dual monitor mode.	
).	Video input to connect A HD PTZ (Pan-Tilt-Zoom) camera of 720p resolution.	
10.	Input to connect a Laptop/PC at Minimum XGA resolution (1024x768) or more along with 5m cable.	

11.	Motorized Pan Tilt Zoom HD camera of	
	720presolution along with 5m cables. Camera should be controllable from hand	
	held remote control of the VC system and	
	shall have minimum 10x optical zoom. Mounting structures required to mount the	
	cameras on top of LCD/wall should also be	
	supplied. The HD camera should be capable	
	of working in normal illumination conditions.	
12.	High quality microphones with echo	
	for pickup from 5 feet or more distance.	
13.		
13.	Input to connect additional Microphone for better audio pickup.	
14.	Support additional/external high quality microphone with 7.5mts cable.	
15.	One line level Auxiliary audio output to connect with external audio input to connect with external audio system.	
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16.	Interface to record the on-going video conferencing session along with mixed audio.	
17.	Hand held remote control with operating	
	distance of 20 feet.	
18.	Auto sense Ethernet port (LAN) for connecting to IP network.	
19.	Static IP and DHCP IP addressing	
20.	Support IPv6	
21.	Behind Network Address Translation (NAT) Firewall traversal.	
22.	Global Directory-Display of active participants / H.350/LDAP protocol.	

23.	Sending SNMP alerts for various events.	
-24.	E.164 dialing using H.323 Gatekeeper	
25.	Easy Software upgrades through LAN port/USB port.	
26.	Web based Management for video conferencing endpoint.	
27.	Interoperable with H.323 compliant High Definition/Standard Definition VC systems/MCU	
28.	ISDN connectivity at minimum of 384kbps either by adding ISDN BRI interface or by activating necessary software licenses.	Reqd only if IP connectivity not available.
29.	Multipoint feature with at least 1+3 sites on ISDN/IP.	For missions point to point will also serve the purpose.
30.	Mounting structures required to mount the set-top VC system on top of LCD/wall should also be supplied.	
31.	Operating conditions 230 volts, 50 Hz and PAL video standard.	As per country specific standards.
	Video input format: HDMI / DVI	

