ve LED Type to flip chip COB (Chi	o on Board)1.56 Pixel Pitch
Parameter	Specifications
Video Wall Size	Size should be min 10 X 5.5 Feet
Total Resolution	Min. 1920 X 1080 pixels brightness 700nits
Pixel Pitch (mm)	1.56mm or better
Contrast ratio	15,000; 1 or more pixel
Refresh Rate	Minimum 3840Hz or higher refresh rate for flicker free experience on video wall
Color Temperature	Between 3000~15000 (Adjustable)
	Minimum 30Hz or better
HDR support 4K Scaling, Tilling Function, Genlock Function	Yes
Average time without failures	≥5000hrs
LED Lifetime, Typical(hrs)	100,000 or better
	24x7x365
	-20-+40 / Humidity 10%-60%RH
	Maintenance of tiles or LED's should be Easy and Damage free process
Cabinet Ttype	Cabinet should include Receiving card and Power supply for the each module
Connectivity	1x USB Type C (Data: 5V, 1A), 2x USB 3.0, 1x Audio In (3.5mm), 1x RS232 (RJ45) Outputs 1x HDMI Out, 1x Audio Out (3.5mm), 1x USB Out
deo Wall Controller	
	Required Parameters
Features	Freely position content from any source, anywhere on the video wall. Easily drag, drop, resize, and scale content on the displays in real time. WITH 4k OUTPUT per Port 4 port and 4 Input and
Interfaces	input cards: DisplayPort, DVI, HDMI, IP, SDI VGA, H.264, and more Inputs HDR support Yes 4K Scaling, Tilling Function,  4xmini dp  4x HDMI  4x type-B USB control port window 11 pro
ansmitter and Pesiver for Video	
	Populired Parameters
	Required Parameters  Extend HDMI audio and video. Ethornot, PS222, and USP up to 220ft with 4V
	Extend HDMI audio and video, Ethernet, RS232, and USB up to 330ft with 4K
interfaces	HDMI and USB
	Parameter Video Wall Size Total Resolution Pixel Pitch (mm) Contrast ratio Refresh Rate Color Temperature Video Frame Rate HDR support 4K Scaling, Tilling Function, Genlock Function Average time without failures LED Lifetime, Typical(hrs) Operating Hours Operating Temp Range Maintenance Cabinet Ttype  Connectivity  deo Wall Controller Parameter  Features

14 Digital Signage Display for to play the videos and organization logos. The display should atleast have 1x HDMI Inputs  The system should consist of the atleast following ports on the interface with integrated Switcher having following Ports. HDMI Port, 4 USB Ports, Power Outlet. It should come with integrated button. It shall have basic selection control buttons for the four inputs, Microphone Control Buttons, Volume Control Buttons, projector Control Buttons, Screen up/Down Buttons.  16 Gooseneck Mic Port It should have CE,FCC and RoHS  (2.1) 12 Channel Pro Audio DSP  S. No. Parameter Specifications  1 Type 12-channel audio processor  1 Should have 16 or more Microphones/Line input interface with phoenix connector having AEC  It Should have 8 Line output interfaces, usually for external amplifier or active loudspeaker for remote and local audio playback, recording etc, phoenix connector.  4 Other Ports It should have at least 8x8 GPIO Ports on phoenix connector,  5 Network Input/Output It should have at least 8x8 Dante input and outputs  6 Control Port It should have at least 8x8 Dante input and outputs  1 thould have 2xRS232 for connected to the control terminal, phoenix connector.  1 thould have at least 8x8 Dante input and outputs  1 thould have at least 8x8 Dante input and outputs  1 thould have at least 8x8 Dante input and outputs  1 thould have at least 8x8 Dante input and outputs  1 thould have at least 8x8 Dante input and outputs  1 thould have at least 8x8 Dante input and outputs  1 thould have at least 8x8 Dante input and outputs  1 thould have at least 8x8 Dante input and outputs  1 thould have at least 8x8 Dante input and outputs  1 thould have at least 8x8 Dante input and outputs  1 thould have at least 8x8 Dante input and outputs  1 thould have at least 8x8 Dante input and outputs  1 thould have at least 8x8 Dante input and outputs  1 thould have at least 8x8 Dante input and outputs  1 thould have at least 8x8 Dante input and outputs  1 thould have at least 8x8 Dante input and outputs  1 thoul	(2) ELECTRONIC PODIUM with Signage Display		
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3 Keyboard/Mouse Tray	1	Top&Body	Top and Body should be Metal.
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ts should have Rack Space for keeping Amplifier, CPU, Microphone receiver or more equipment.  7 Screen Size The system should comsist of 21.5 Inches Touch Screen Monitor.  8 Type The monitor should be LED backlit.  9 Resolution The monitor should have a native resolution of 1920x1080  10 Port The monitor should have a Luminosity of 250 cd/m²2 or more.  11 Brightness The monitor should have a Luminosity of 250 cd/m²2 or more.  12 Input port The monitor should have a VGA, HDMI or DVI Input port.  13 Supply The monitor should have a VGA, HDMI or DVI Input port.  14 Digital Signage Display The monitor should support Power Supply of 100 ~ 2500AC.  The podium should have 32" or better digital signage display in the front for to play the videos and organization logos. The display should atleat have 1st HDMI Inputs  15 Laptop Interface The system should consist of the atleast following ports on the interface with integrated Switcher having following Ports HDMI Port, 4 USB Ports, Power Outlet. It should come with integrated button.  15 Lishall have basic selection control buttons for the four inputs, Microphone Control Buttons, Volume Control Buttons, projector Control Buttons, Screen up/Down Buttons.  16 Gooseneck Mic Port The Microphone should come up with standard 3 PIN XLR Connector.  17 Certifications It should have CE,FCC and RoHS  12. Channel Pro Audio DSP  S. No. Parameter Specifications  1 Type 12-channel audio processor  1 Type 12-channel audio processor  1 It Should have 8 Line output interfaces, usually for external amplifier or active loudspeaker for remote and local audio playback, recording etc, phoenix connector having AEC  1 Should have 8 Line output interfaces, usually for external amplifier or active loudspeaker for remote and local audio playback, recording etc, phoenix connector having AEC  1 Should have at least 8x8 GPIO Ports on phoenix connector, at least two Ethernet Port for Configuration/control interface, RI45 connector, at least two Ethernet Port for Cendundant networked audio like VoIP.  1	4	Visualiser Tray	It should have a Provision for Visualiser with a Sliding Tray.
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14 Digital Signage Display for to play the videos and organization logos. The display should atleast have 1x HDMI Inputs    The system should consist of the atleast following ports on the interface with integrated Switcher having following Ports HDMI Port, 4 USB Ports, Power Outlet. It should come with integrated button. It shall have basic selection control buttons for the four inputs, Microphone Control Buttons, Volume Control Buttons, projector Control Buttons, Screen up/Down Buttons.  16 Gooseneck Mic Port It should have CE,FCC and RoHS  17 Certifications It should have CE,FCC and RoHS  (2.1) 12 Charnel Pro Audio DSP  S. No. Parameter Specifications  1 Type 12-channel audio processor  1 Type 12-channel audio processor  1 It Should have 16 or more Microphones/Line input interface with phoenix connector having AEC  It Should have 8 Line output interfaces, usually for external amplifier or active loudspeaker for remote and local audio playback, recording etc, phoenix connector.  4 Other Ports It should have atleast 8x8 GPIO Ports on phoenix connector,  5 Network Input/Output It should have at least 8x8 Dante input and outputs  6 Control Port It should have atleast two Ethernet port for Configuration/control interface, RJ45 connector, at least two Ethernet Port for redundant networked audio like VoIP.  8 USB/Stereo 3.5mm Interface for Soft calls It should have atleast on USB2.0 type B or C interface, supports bidirectional audio data transmission, can be more convenient to integrate into the OPS or PC as a sound card application, channel count at least 8x8  It should support software to achieve special features like Acoustic Echo Cancellation configuration, NLP(Nonlinear Processing) Setting, Noise Reduction Setting, Byelevel Control Setting, Leveler Setting, Low-Pass Filter Setting, Leveler Setting, Leveler Setting, Noise Reduction Setting, Parameter Equalizer Setting, Leveler Setting, Leveler Setting, Noise Setting, Pass Setting, Pass Setting, Pass Filter Setting, Leveler Setting, Pass Setting, Pass Setting, P	13	Supply	The monitor should support Power Supply of 100 ~ 250VAC.
Laptop Interface  Lit shall have basic selection control buttons for the four inputs, Microphone Control Buttons, Volume Control Buttons, projector Control Buttons, Screen up/Down Buttons.  Lit should have Dasic selection control buttons for the four inputs, Microphone Control Buttons, Volume Control Buttons, projector Control Buttons, Screen up/Down Buttons.  Lit Should have CE,FCC and RoHS  Lit Should have CE,FCC and RoHS  Lit Should have CE,FCC and RoHS  Line Outputs  Lit Should have 16 or more Microphones/Line input interface with phoenix connector having AEC  Line Outputs  Line Outputs  Line Outputs  Lit Should have 8 Line output interfaces, usually for external amplifier or active loudspeaker for remote and local audio playback, recording etc, phoenix connector.  Lit Should have at least 8x8 GPIO Ports on phoenix connector,  Network Input/Output  Lit Should have at least 8x8 Dante input and outputs  Lit Should have at least 8x8 Dante input and outputs  Lit Should have at least 8x8 Dante input and outputs  Lit Should have at least 8x8 Dante input and outputs  Lit Should have at least 8x8 Dante input and outputs  Lit Should have at least 8x8 Dante input and outputs  Lit Should have at least 8x8 Dante input and outputs  Lit Should have at least 8x8 Dante input and outputs  Lit Should have at least 8x8 Dante input and outputs  Lit Should have at least 8x8 Dante input and outputs  Lit Should have at least 8x8 Dante input and outputs  Lit Should have at least 8x8 Dante input and outputs  Lit Should have at least 8x8 Dante input and outputs  Lit Should have at least 8x8 Dante input and outputs  Lit Should have at least 8x8 Dante input and outputs  Lit Should have at 8x8 Dante input and outputs  Lit Should have at 8x8 Dante input and outputs  Lit Should have at 8x8 Dante input and outputs  Lit Should have at 8x8 Dante input and outputs  Lit Should have at 8x8 Dante input and outputs  Lit Should have at 8x8	14	Digital Signage Display	
Microphone Control Buttons, Volume Control Buttons, projector Control Buttons, Screen up/Down Buttons.  16 Gooseneck Mic Port The Microphone should come up with standard 3 PIN XLR Connector.  17 Certifications It should have CE,FCC and RoHS  (2.1) 12 Channel Pro Audio DSP  S. No. Parameter Specifications  1 Type 12-channel audio processor  1 E Should have 16 or more Microphones/Line input interface with phoenix connector having AEC  It Should have 8 Line output interfaces, usually for external amplifier or active loudspeaker for remote and local audio playback, recording etc, phoenix connector.  4 Other Ports It should have at least 8x8 GPIO Ports on phoenix connector,  Network Input/Output It should have at least 8x8 Dante input and outputs  6 Control Port It should have at least 8x8 Dante input and outputs  1 t should have at least 8x8 Tornected to the control terminal, phoenix connector  2 ETHERNET It should have at least two Ethernet port for Configuration/control interface, RJ45 connector, at least two Ethernet Port for redundant networked audio like VoIP.  1 It should have atleast one USB2.0 type B or C interface, supports bidirectional audio data transmission, can be more convenient to integrate into the OPS or PC as a sound card application, channel count at least 8x8  1 It should support software to achieve special features like Acoustic Echo Cancellation configuration, NLP(Nonlinear Processing) Setting, Noise Reduction Setting, AGC(Automatic Gain Control) Setting, Dereverberation Setting, High-Pass Filter Setting, Leveler Setting, Leveler Setting, Leveler Setting, Leveler Setting, Auto Mixer Setting, Level Control Setting, Matrix Mixer Setting  10 Indicators Power LED and OLED Display	15	Laptop Interface	Ports, Power Outlet. It should come with integrated button.
Securifications   It should have CE,FCC and RoHS			Microphone Control Buttons, Volume Control Buttons, projector Control
S. No.   Parameter   Specifications	16	Gooseneck Mic Port	
S. No. Parameter Specifications  1 Type 12-channel audio processor  1 Line Outputs It Should have 16 or more Microphones/Line input interface with phoenix connector having AEC  1 It Should have 8 Line output interfaces, usually for external amplifier or active loudspeaker for remote and local audio playback, recording etc, phoenix connector.  4 Other Ports It should have atleast 8x8 GPIO Ports on phoenix connector,  5 Network Input/Output It should have at least 8x8 Dante input and outputs  6 Control Port It should have atleast two Ethernet port for Configuration/control interface, RJ45 connector, at least two Ethernet Port for redundant networked audio like VoIP.  8 USB/Stereo 3.5mm Interface for Soft calls It should have atleast one USB2.0 type B or C interface, supports bidirectional audio data transmission, can be more convenient to integrate into the OPS or PC as a sound card application, channel count at least 8x8  It should support software to achieve special features like Acoustic Echo Cancellation configuration, NLP(Nonlinear Processing) Setting, Noise Reduction Setting, AGC(Automatic Gain Control) Setting, Dereverberation Setting, High-Pass Filter Setting, Low-Pass Filter Setting, Level Control Setting, Matrix Mixer Setting  10 Indicators Power LED and OLED Display			It should have CE,FCC and RoHS
1 Type 12-channel audio processor  2 Mic/Line Inputs It Should have 16 or more Microphones/Line input interface with phoenix connector having AEC  It Should have 8 Line output interfaces, usually for external amplifier or active loudspeaker for remote and local audio playback, recording etc, phoenix connector.  4 Other Ports It should have at least 8x8 GPIO Ports on phoenix connector,  5 Network Input/Output It should have at least 8x8 Dante input and outputs  6 Control Port It should have at least 8x8 Dante input and outputs  1 It should have atleast two Ethernet port for Configuration/control interface, RJ45 connector, at least two Ethernet Port for redundant networked audio like VoIP.  8 USB/Stereo 3.5mm Interface for Soft calls It should have atleast one USB2.0 type B or C interface, supports bidirectional audio data transmission, can be more convenient to integrate into the OPS or PC as a sound card application, channel count at least 8x8  It should support software to achieve special features like Acoustic Echo Cancellation configuration, NLP(Nonlinear Processing) Setting, Noise Reduction Setting, AGC(Automatic Gain Control) Setting, Dereverberation Setting, High-Pass Filter Setting, Low-Pass Filter Setting, Low-Pass Filter Setting, Leveler Setting, Auto Mixer Setting, Level Control Setting, Matrix Mixer Setting  10 Indicators Power LED and OLED Display	-	nannel Pro Audio DSP	
Mic/Line Inputs  It Should have 16 or more Microphones/Line input interface with phoenix connector having AEC  It Should have 8 Line output interfaces, usually for external amplifier or active loudspeaker for remote and local audio playback, recording etc, phoenix connector.  4 Other Ports  It should have atleast 8x8 GPIO Ports on phoenix connector,  It should have at least 8x8 Dante input and outputs  Control Port  Control Port  It should have atleast two Ethernet port for Configuration/control interface, RJ45 connector, at least two Ethernet Port for redundant networked audio like VoIP.  It should have atleast one USB2.0 type B or C interface, supports bidirectional audio data transmission, can be more convenient to integrate into the OPS or PC as a sound card application, channel count at least 8x8  It should support software to achieve special features like Acoustic Echo Cancellation configuration, NLP(Nonlinear Processing) Setting,Noise Reduction Setting,AGC(Automatic Gain Control) Setting, Dereverberation Setting,High-Pass Filter Setting,Low-Pass Filter Setting,Leveler Setting,Auto Mixer Setting,Level Control Setting,Matrix Mixer Setting  Indicators  Power LED and OLED Display			
Description   Description	1	T	
Software   Line Outputs   active loudspeaker for remote and local audio playback, recording etc, phoenix connector.		Туре	·
Software  Network Input/Output  It should have at least 8x8 Dante input and outputs  It should have 2xRS232 for connected to the control terminal, phoenix connector  It should have atleast two Ethernet port for Configuration/control interface, RJ45 connector, at least two Ethernet Port for redundant networked audio like VoIP.  It should have atleast one USB2.0 type B or C interface, supports bidirectional audio data transmission, can be more convenient to integrate into the OPS or PC as a sound card application, channel count at least 8x8  It should support software to achieve special features like Acoustic Echo Cancellation configuration, NLP(Nonlinear Processing) Setting,Noise Reduction Setting,AGC(Automatic Gain Control) Setting, Dereverberation Setting,High-Pass Filter Setting,Leveler Setting,Leveler Setting,Auto Mixer Setting,Level Control Setting,Matrix Mixer Setting  10 Indicators  Power LED and OLED Display			It Should have 16 or more Microphones/Line input interface with phoenix connector having AEC
Control Port    It should have 2xRS232 for connected to the control terminal, phoenix connector	2	Mic/Line Inputs	It Should have 16 or more Microphones/Line input interface with phoenix connector having AEC  It Should have 8 Line output interfaces, usually for external amplifier or active loudspeaker for remote and local audio playback, recording etc,
Connector  It should have atleast two Ethernet port for Configuration/control interface, RJ45 connector, at least two Ethernet Port for redundant networked audio like VoIP.  It should have atleast one USB2.0 type B or C interface, supports bidirectional audio data transmission, can be more convenient to integrate into the OPS or PC as a sound card application, channel count at least 8x8  It should support software to achieve special features like Acoustic Echo Cancellation configuration, NLP(Nonlinear Processing) Setting,Noise Reduction Setting,AGC(Automatic Gain Control) Setting, Dereverberation Setting,High-Pass Filter Setting,Low-Pass Filter Setting,Parameter Equalizer Setting,Leveler Setting,Auto Mixer Setting,Level Control Setting, Matrix Mixer Setting  10 Indicators Power LED and OLED Display	3	Mic/Line Inputs Line Outputs	It Should have 16 or more Microphones/Line input interface with phoenix connector having AEC  It Should have 8 Line output interfaces, usually for external amplifier or active loudspeaker for remote and local audio playback, recording etc, phoenix connector.
FTHERNET interface, RJ45 connector, at least two Ethernet Port for redundant networked audio like VoIP.  USB/Stereo 3.5mm Interface for Soft calls bidirectional audio data transmission, can be more convenient to integrate into the OPS or PC as a sound card application, channel count at least 8x8  It should support software to achieve special features like Acoustic Echo Cancellation configuration, NLP(Nonlinear Processing) Setting,Noise Reduction Setting,AGC(Automatic Gain Control) Setting, Dereverberation Setting,High-Pass Filter Setting,Low-Pass Filter Setting,Parameter Equalizer Setting,Leveler Setting,Auto Mixer Setting,Level Control Setting,Matrix Mixer Setting  Indicators Power LED and OLED Display	3 4	Mic/Line Inputs Line Outputs Other Ports	It Should have 16 or more Microphones/Line input interface with phoenix connector having AEC  It Should have 8 Line output interfaces, usually for external amplifier or active loudspeaker for remote and local audio playback, recording etc, phoenix connector.  It should have atleast 8x8 GPIO Ports on phoenix connector,
USB/Stereo 3.5mm Interface for Soft calls    USB/Stereo 3.5mm	2 3 4 5	Mic/Line Inputs Line Outputs Other Ports Network Input/Output	It Should have 16 or more Microphones/Line input interface with phoenix connector having AEC  It Should have 8 Line output interfaces, usually for external amplifier or active loudspeaker for remote and local audio playback, recording etc, phoenix connector.  It should have atleast 8x8 GPIO Ports on phoenix connector,  It should have at least 8x8 Dante input and outputs  It should have 2xRS232 for connected to the control terminal, phoenix connector
Software  Cancellation configuration, NLP(Nonlinear Processing) Setting,Noise Reduction Setting,AGC(Automatic Gain Control) Setting, Dereverberation Setting,High-Pass Filter Setting,Low-Pass Filter Setting,Parameter Equalizer Setting,Leveler Setting,Auto Mixer Setting,Level Control Setting,Matrix Mixer Setting  10 Indicators  Power LED and OLED Display	2 3 4 5 6	Mic/Line Inputs Line Outputs Other Ports Network Input/Output Control Port	It Should have 16 or more Microphones/Line input interface with phoenix connector having AEC  It Should have 8 Line output interfaces, usually for external amplifier or active loudspeaker for remote and local audio playback, recording etc, phoenix connector.  It should have atleast 8x8 GPIO Ports on phoenix connector,  It should have at least 8x8 Dante input and outputs  It should have 2xRS232 for connected to the control terminal, phoenix connector  It should have atleast two Ethernet port for Configuration/control interface, RJ45 connector, at least two Ethernet Port for redundant networked audio like VoIP.
10 Indicators Power LED and OLED Display	2 3 4 5 6	Mic/Line Inputs Line Outputs Other Ports Network Input/Output Control Port ETHERNET USB/Stereo 3.5mm	It Should have 16 or more Microphones/Line input interface with phoenix connector having AEC  It Should have 8 Line output interfaces, usually for external amplifier or active loudspeaker for remote and local audio playback, recording etc, phoenix connector.  It should have atleast 8x8 GPIO Ports on phoenix connector,  It should have at least 8x8 Dante input and outputs  It should have 2xRS232 for connected to the control terminal, phoenix connector  It should have atleast two Ethernet port for Configuration/control interface, RJ45 connector, at least two Ethernet Port for redundant networked audio like VoIP.  It should have atleast one USB2.0 type B or C interface, supports bidirectional audio data transmission, can be more convenient to integrate into the OPS or PC as a sound card application, channel count
11 Certifications CE,FCC and RoHS	2 3 4 5 6 7	Mic/Line Inputs  Line Outputs  Other Ports  Network Input/Output  Control Port  ETHERNET  USB/Stereo 3.5mm Interface for Soft calls	It Should have 16 or more Microphones/Line input interface with phoenix connector having AEC  It Should have 8 Line output interfaces, usually for external amplifier or active loudspeaker for remote and local audio playback, recording etc, phoenix connector.  It should have atleast 8x8 GPIO Ports on phoenix connector,  It should have at least 8x8 Dante input and outputs  It should have 2xRS232 for connected to the control terminal, phoenix connector  It should have atleast two Ethernet port for Configuration/control interface, RJ45 connector, at least two Ethernet Port for redundant networked audio like VoIP.  It should have atleast one USB2.0 type B or C interface, supports bidirectional audio data transmission, can be more convenient to integrate into the OPS or PC as a sound card application, channel count at least 8x8  It should support software to achieve special features like Acoustic Echo Cancellation configuration, NLP(Nonlinear Processing) Setting,Noise Reduction Setting,AGC(Automatic Gain Control) Setting,  Dereverberation Setting,High-Pass Filter Setting,Low-Pass Filter Setting,Parameter Equalizer Setting,Leveler Setting,Auto Mixer
	2 3 4 5 6 7 8	Mic/Line Inputs  Line Outputs  Other Ports  Network Input/Output  Control Port  ETHERNET  USB/Stereo 3.5mm Interface for Soft calls  Software	It Should have 16 or more Microphones/Line input interface with phoenix connector having AEC  It Should have 8 Line output interfaces, usually for external amplifier or active loudspeaker for remote and local audio playback, recording etc, phoenix connector.  It should have atleast 8x8 GPIO Ports on phoenix connector,  It should have at least 8x8 Dante input and outputs  It should have 2xRS232 for connected to the control terminal, phoenix connector  It should have atleast two Ethernet port for Configuration/control interface, RJ45 connector, at least two Ethernet Port for redundant networked audio like VoIP.  It should have atleast one USB2.0 type B or C interface, supports bidirectional audio data transmission, can be more convenient to integrate into the OPS or PC as a sound card application, channel count at least 8x8  It should support software to achieve special features like Acoustic Echo Cancellation configuration, NLP(Nonlinear Processing) Setting,Noise Reduction Setting,AGC(Automatic Gain Control) Setting,  Dereverberation Setting,High-Pass Filter Setting,Low-Pass Filter Setting,Parameter Equalizer Setting,Leveler Setting,Auto Mixer Setting,Level Control Setting,Matrix Mixer Setting

S. No.	Parameter	Specifications
		The speaker system shall be a two-way
1	Type of Speaker	coaxial full range passive line array
		speaker or better
2	Englasura Matarial	The system should be made of High
	Enclosure Material	density multi-layer plywood or better
		The system shall be equipped with one (
3	LF Drivers	× 12" (304 mm) coaxial low-frequency
		driver.
4		The system shall be equipped with one
	HF Drivers	× 1.5" (38 mm) high-frequency
		compression driver
		The frequency response (-10 dB) shall be
5	Frequency Response	60 Hz – 19 kHz or better
6		The nominal impedance shall be 8 ohms
Ü	Nominal Impedance	or higher.
		The sensitivity (1W/1m) shall be 98 dB of
7	Sensitivity (1W/1m)	
8		higher.
٥	Max SPL (Continuous/1m)	The maximum continuous SPL (1m) shall
		be 127 dB or higher.
9	Max SPL (Peak/1m)	The maximum peak SPL (1m) shall be 13
	<u> </u>	dB or higher.
10	RMS Power	The system RMS power handling shall b
		450 W or higher.
11	Peak Power	The System peak power should be 1800
		or higher
12	Dispersion	The system dispersion shall be 100°
		(horizontal) × 10° (vertical).
13	Crossover Mode	The system crossover mode shall be
	0.000010000	passive.
14	Mounting	The system shall support horizontal
	Wiedriting	mounting or line array mounting
1) Flying	Hardware	
1	Flying Hardware	flying hardware designed and certified b
1	Flying Hardware	the manufacturer.
2		Flying hardware shall be made of high-
2	Material	grade MS / Aluminium
2) Front	Fill Speaker	•
•		The loudspeaker shall be a two-way, ful
1	Type of Speaker	range passive loudspeaker
		The enclosure shall be high-density mul
2	Enclosure Material	layer plywood.
		The system shall have 1 × 8" (203 mm)
3	LF Drivers	low-frequency driver.
		The system shall have 1 × 1.34" (34 mm
4	HF Drivers	high-frequency driver.
5	Frequency Response	The frequency response shall be 70 Hz -
	· · · ·	19 kHz (-10 dB).
6	Nominal Impedance	The nominal impedance shall be 8 ohms
	ivorninai impedance	or higher.
7	Sensitivity (1W/1m)	The sensitivity (1 W / 1 m) shall be 93 d
,	33131317	or higher.
8	Max SPL (Continuous/1m)	The system shall deliver a maximum SPI
O	IVIAN OF L (COITHINGUS/ IIII)	of 115 dB (continuous, 1m)

	_	
9	Max SPL (Peak/1m)	The system shall deliver a maximum SPL of 118 dB (peak, 1m)
		The power handling capacity shall be 100
10	RMS Power	watts RMS or higher.
		The dispersion pattern shall be 90°
11	Dispersion	horizontal × 50° vertical.
		The system crossover shall be passive
12	Crossover Mode	type.
		The loudspeaker shall be capable of being
13	Mounting	mounted vertically or horizontally on
		both axes.
(3.3) Delay	Speaker	•
	Turn of Consider	The loudspeaker shall be a two-way, full-
1	Type of Speaker	range passive loudspeaker
	Francisco Matarial	The enclosure shall be high-density multi-
2	Enclosure Material	layer plywood.
3	LF Drivers	The system shall have 1 × 8" (203 mm)
3	LF Drivers	low-frequency driver.
4	HF Drivers	The system shall have 1 × 1.34" (34 mm)
4	nr blivers	high-frequency driver.
5	Frequency Response	The frequency response shall be 70 Hz –
	rrequericy Response	19 kHz (-10 dB).
6	Nominal Impedance	The nominal impedance shall be 8 ohms
0	Nonmarimpedance	or higher.
7	Sensitivity (1W/1m)	The sensitivity (1 W / 1 m) shall be 93 dB
,	Sensitivity (100/1111)	or higher.
8	Max SPL (Continuous/1m)	The system shall deliver a maximum SPL
	Wax 51 E (Continuous) 1111)	of 115 dB (continuous, 1m)
9	Max SPL (Peak/1m)	The system shall deliver a maximum SPL
	wax or E (r early 1m)	of 118 dB (peak, 1m)
10	RMS Power	The power handling capacity shall be 100
		watts RMS or higher.
11	Dispersion	The dispersion pattern shall be 90°
		horizontal × 50° vertical.
12	Crossover Mode	The system crossover shall be passive
		type.
12	Manustina	The loudspeaker shall be capable of being
13	Mounting	mounted vertically or horizontally on both axes.
(2.4) Contr	rol Poom 9. Groon Poom Snooker	1
(3.4) CONT	ol Room & Green Room Speaker	The loudspeaker shall be a two-way, full-
1	Type of Speaker	•
		range passive plastic loudspeaker  The enclosure shall be high-quality plastic
2	Enclosure Material	material.
		The system shall have 1 × 6.5" (203 mm)
3	LF Drivers	low-frequency driver.
<u> </u>	+	The system shall have 1 × 1" (25 mm) silk
4	HF Drivers	dome high-frequency driver.
	+	The frequency response shall be 65 Hz –
5	Frequency Response	18 kHz (-10 dB)
6	Nominal Impedance	The nominal impedance shall be 8 ohms
	, .	The sensitivity (1 W / 1 m) shall be 88 dB
7	Sensitivity (1W/1m)	or higher.
		The system shall deliver a maximum SPL
8	Max SPL (Continuous/1m)	of 109 dB (continuous, 1m)
<b></b>	1	,

9 Max SPL (Peak/1m)  10 RMS Power  11 Dispersion  12 Crossover Mode  The system shall delive of 112 dB (peak, 1m)  The power handling ca watts RMS or higher.  The dispersion pattern horizontal × 60° vertical type  The laudspeaker shall be a system crossover stype	
10 RMS Power The power handling ca watts RMS or higher.  11 Dispersion The dispersion pattern horizontal × 60° vertical The system crossover stype	pacity shall be 40
11 Dispersion watts RMS or higher.  11 Dispersion The dispersion pattern horizontal × 60° vertical The system crossover stype	pacity shall be 40
11 Dispersion horizontal × 60° vertical The system crossover stype	
12 Crossover Mode The system crossover s type	
type	
	shall be passive
I Indianaskar chall k	be capable of being
13 Mounting mounted vertically or h	
	iorizontally on
both axes.	
(3.5) Subwoofer	
The subwoofer shall be	e a high-
1 Type of Subwoofer performance, front-loa	aded, enclosure-
designed passive subw	
The enclosure shall be Enclosure Material	
high-quality Birch Plyw	ood.
The system shall have it	1 × 18" high-
3 LF Drivers performance low-frequency	uency driver
The frequency respons	•
I 4 IFrequency Response	e stidii be 30 Hz –
120 Hz (-10 dB)	
The nominal impedance	e shall be 8 ohms:
5 Nominal Impedance or higher	
The sensitivity (1 W / 1	m) shall be 96 dB
6 Sensitivity (1W/1m) or higher	in, shan be so ab
7 Max SPL (Continuous/1m) The system shall delive	
of 127 dB (continuous,	1m)
The system shall delive	er a maximum SPL
8 Max SPL (Peak/1m) of 130 dB (peak, 1m)	
The amplifier power ha	andling canacity
shall be 750 W RMS or	
The dispersion pattern	shall be
omnidirectional	
(3.6) Speaker Management System	
The system shall have a	a minimum of 2
1 Input inputs.	
The system shall have a	a minimum of 6
outputs	
The input level (nominal / May)	al/max) shall be 0
3 Input Level (Nominal / Max) dBu / +12 dBu or bette	ır
The output level (nomi	
4 Output Level (Nominal / Max) dBu / +12 dBu or bette	
The input dynamic range	ge suaii pe 110 dB
or better	
The frequency respons	e shall be 20 Hz –
7 Fequency Response 20 kHz (±0.5) or better	
The A/D converters sha	
9 IA/D Converters	JII DC 24 DIC, 40 KI12
or better	
10 Connectivity The system shall provide	de USB connectivity
Universal switch mode	Power Supply 90-
11 Mains Power Input 264 V / 45-65 Hz	•••
(3.7) Stage Monitor	
The system shall be a s	
I i i i i i i i i i i i i i i i i i i i	udspeaker.

2	Enclosure Material	The enclosure shall be high-density multi- layer plywood
3	LF Drivers	The system shall have 1 × 12" low- frequency drive
4	HF Drivers	The system shall have 1 × 1.5" high- frequency compression driver
5	Frequency Response	The frequency response shall be 55 Hz – 19 kHz (-10 dB)
8	Max SPL (Continuous/1m)	The system shall deliver a maximum SPL of 122 dB (continuous, 1m)
9	Max SPL (Peak/1m)	The system shall deliver a maximum SPL of 128 dB (peak, 1m)
10	RMS Power	The amplifier section shall provide 500 watts RMS power or higher.
11	Dispersion	The nominal dispersion shall be 90° (horizontal) × 60° (vertical)
12	DSP Presets	The system shall include DSP presets for Music, Monitor, and Low Cut applications

	al Wireless Handheld Microphon	
S. No.	Parameter	Specifications
1	Wireless Microphone System	It should be supplied with 1 Wireless Handheld microphones
2	Out Put	The receiver should have 1 number balance XLR Output
3	Frequency Band	The Microphones & Receiver should work on UHF frequency band.
4	Frequency Response	It should have a frequency response of 40Hz to 19000 Hz or better.
5	Antennas	It should have as 2x Antennas
6	Interface	It should have 1x output port as 6.3mm phono type. And 1 XLF Balanced output
7	Mount	It should have 1 Rack unit hight with ability to mount in rack.
8	Channel	System should support 46 or more simultaneous Microphone in an area
8	Power	It should be supplied with 12 VDC power adapter.
9	RF Output Power	10mW or more
10	Carrier Frequency Range	470-797MHz
11	Modulation Mode	FM
12	Microphone Elemen	Dynamic, Cardioid
13	Dynamic Range	134 dB or more
	Current Consumption	< 301mA
14	carrent consumption	
14 15	Controls	Mute/Unmute or Power ON/OFF
		Mute/Unmute or Power ON/OFF <2ms
15	Controls	
15 16	Controls	<2ms
15 16	Controls System Latency	<2ms
15 16 <b>4.2) Dig</b>	Controls System Latency ital Wireless Lapel Microphone S	<2ms ystem
15 16 <b>4.2) Dig</b>	Controls System Latency ital Wireless Lapel Microphone S	<2ms  ystem  Specifications
15 16 <b>4.2) Dig</b> <b>S. No.</b>	Controls System Latency iital Wireless Lapel Microphone S Parameter	<2ms ystem Specifications It should be supplied with 1 bodypack trasnsmitter and 1 lapel
15 16 <b>4.2) Dig</b> <b>S. No.</b>	Controls System Latency ital Wireless Lapel Microphone S Parameter Wireless Microphone System	ystem Specifications It should be supplied with 1 bodypack trasnsmitter and 1 lapel microphones
15 16 <b>4.2) Dig</b> <b>S. No.</b>	Controls System Latency  ital Wireless Lapel Microphone S Parameter  Wireless Microphone System Out Put	<2ms ystem Specifications It should be supplied with 1 bodypack trasnsmitter and 1 lapel microphones The receiver should have 1 number balance XLR Output The Microphones & Receiver should work on UHF frequency
15 16 4.2) Dig S. No.	Controls System Latency  ital Wireless Lapel Microphone S Parameter  Wireless Microphone System Out Put Frequency Band	ystem Specifications It should be supplied with 1 bodypack trasnsmitter and 1 lapel microphones The receiver should have 1 number balance XLR Output The Microphones & Receiver should work on UHF frequency band. It should have a frequency response of 50Hz to 18000 Hz or
15 16 4.2) Dig S. No. 1 2 3	Controls System Latency  iital Wireless Lapel Microphone S Parameter  Wireless Microphone System Out Put Frequency Band Frequency Response	ystem  Specifications  It should be supplied with 1 bodypack trasnsmitter and 1 lapel microphones  The receiver should have 1 number balance XLR Output The Microphones & Receiver should work on UHF frequency band.  It should have a frequency response of 50Hz to 18000 Hz or better.  It should have as 2x Antennas
15 16 <b>4.2) Dig</b> <b>S. No.</b> 1 2 3 4 5	Controls System Latency  ital Wireless Lapel Microphone S  Parameter  Wireless Microphone System  Out Put  Frequency Band  Frequency Response  Antennas	ystem  Specifications  It should be supplied with 1 bodypack trasnsmitter and 1 lapel microphones  The receiver should have 1 number balance XLR Output The Microphones & Receiver should work on UHF frequency band.  It should have a frequency response of 50Hz to 18000 Hz or better.  It should have as 2x Antennas It should have 1x output port as 6.3mm phono type. And 1 XLF
15 16 4.2) Dig S. No. 1 2 3 4 5	Controls System Latency  ital Wireless Lapel Microphone S Parameter  Wireless Microphone System Out Put Frequency Band Frequency Response Antennas Interface	ystem  Specifications  It should be supplied with 1 bodypack trasnsmitter and 1 lapel microphones  The receiver should have 1 number balance XLR Output  The Microphones & Receiver should work on UHF frequency band.  It should have a frequency response of 50Hz to 18000 Hz or better.  It should have as 2x Antennas  It should have 1x output port as 6.3mm phono type. And 1 XLF Balanced output
15 16 4.2) Dig S. No. 1 2 3 4 5 6	Controls System Latency  ital Wireless Lapel Microphone S Parameter  Wireless Microphone System Out Put Frequency Band Frequency Response Antennas Interface Mount	ystem  Specifications  It should be supplied with 1 bodypack trasnsmitter and 1 lapel microphones  The receiver should have 1 number balance XLR Output  The Microphones & Receiver should work on UHF frequency band.  It should have a frequency response of 50Hz to 18000 Hz or better.  It should have as 2x Antennas  It should have 1x output port as 6.3mm phono type. And 1 XLF Balanced output  It should have 1 Rack unit hight with ability to mount in rack.  System should support 46 or more simultaneous Microphone
15 16 4.2) Dig S. No. 1 2 3 4 5 6	Controls System Latency  ital Wireless Lapel Microphone S Parameter  Wireless Microphone System Out Put Frequency Band Frequency Response Antennas Interface Mount Channel	ystem  Specifications  It should be supplied with 1 bodypack trasnsmitter and 1 lapel microphones  The receiver should have 1 number balance XLR Output  The Microphones & Receiver should work on UHF frequency band.  It should have a frequency response of 50Hz to 18000 Hz or better.  It should have as 2x Antennas  It should have 1x output port as 6.3mm phono type. And 1 XLF Balanced output  It should have 1 Rack unit hight with ability to mount in rack.  System should support 46 or more simultaneous Microphone in an area
15 16 4.2) Dig S. No. 1 2 3 4 5 6 7	Controls System Latency  ital Wireless Lapel Microphone S Parameter  Wireless Microphone System Out Put Frequency Band Frequency Response Antennas Interface Mount Channel Power	ystem  Specifications  It should be supplied with 1 bodypack trasnsmitter and 1 lape microphones  The receiver should have 1 number balance XLR Output  The Microphones & Receiver should work on UHF frequency band.  It should have a frequency response of 50Hz to 18000 Hz or better.  It should have as 2x Antennas  It should have 1x output port as 6.3mm phono type. And 1 XLF Balanced output  It should have 1 Rack unit hight with ability to mount in rack.  System should support 46 or more simultaneous Microphone in an area  It should be supplied with 12 VDC power adapter.
15 16 4.2) Dig S. No. 1 2 3 4 5 6 7 8 9 10	Controls System Latency  ital Wireless Lapel Microphone S  Parameter  Wireless Microphone System  Out Put  Frequency Band  Frequency Response  Antennas  Interface  Mount  Channel  Power  RF Output Power	ystem  Specifications  It should be supplied with 1 bodypack trasnsmitter and 1 lape microphones  The receiver should have 1 number balance XLR Output  The Microphones & Receiver should work on UHF frequency band.  It should have a frequency response of 50Hz to 18000 Hz or better.  It should have as 2x Antennas  It should have 1x output port as 6.3mm phono type. And 1 XLF Balanced output  It should have 1 Rack unit hight with ability to mount in rack.  System should support 46 or more simultaneous Microphone in an area  It should be supplied with 12 VDC power adapter.  10mW or more
15 16 4.2) Dig S. No. 1 2 3 4 5 6 7 8 9 10 11	Controls System Latency  ital Wireless Lapel Microphone S Parameter  Wireless Microphone System Out Put Frequency Band Frequency Response Antennas Interface Mount Channel Power RF Output Power Max SPL	ystem  Specifications  It should be supplied with 1 bodypack trasnsmitter and 1 lape microphones  The receiver should have 1 number balance XLR Output  The Microphones & Receiver should work on UHF frequency band.  It should have a frequency response of 50Hz to 18000 Hz or better.  It should have as 2x Antennas  It should have 1x output port as 6.3mm phono type. And 1 XLF Balanced output  It should have 1 Rack unit hight with ability to mount in rack.  System should support 46 or more simultaneous Microphone in an area  It should be supplied with 12 VDC power adapter.  10mW or more  130dB or more
15 16 4.2) Dig S. No. 1 2 3 4 5 6 7 8 9 10 11 12	Controls System Latency  ital Wireless Lapel Microphone S Parameter  Wireless Microphone System Out Put Frequency Band Frequency Response Antennas Interface Mount Channel Power RF Output Power Max SPL Carrier Frequency Range	ystem  Specifications  It should be supplied with 1 bodypack trasnsmitter and 1 lapel microphones  The receiver should have 1 number balance XLR Output  The Microphones & Receiver should work on UHF frequency band.  It should have a frequency response of 50Hz to 18000 Hz or better.  It should have as 2x Antennas  It should have 1x output port as 6.3mm phono type. And 1 XLF Balanced output  It should have 1 Rack unit hight with ability to mount in rack.  System should support 46 or more simultaneous Microphone in an area  It should be supplied with 12 VDC power adapter.  10mW or more  130dB or more  470-797MHz
15 16 4.2) Dig S. No.  1 2 3 4 5 6 7 8 9 10 11 12 13	Controls System Latency  ital Wireless Lapel Microphone S Parameter  Wireless Microphone System Out Put Frequency Band Frequency Response Antennas Interface Mount Channel Power RF Output Power Max SPL Carrier Frequency Range Modulation Mode	ystem  Specifications  It should be supplied with 1 bodypack trasnsmitter and 1 lapel microphones  The receiver should have 1 number balance XLR Output  The Microphones & Receiver should work on UHF frequency band.  It should have a frequency response of 50Hz to 18000 Hz or better.  It should have as 2x Antennas  It should have 1x output port as 6.3mm phono type. And 1 XLF Balanced output  It should have 1 Rack unit hight with ability to mount in rack.  System should support 46 or more simultaneous Microphone in an area  It should be supplied with 12 VDC power adapter.  10mW or more  130dB or more  470-797MHz  FM

17	Current Consumption	< 301mA
18	Controls	Mute/Unmute or Power ON/OFF
19	System Latency	<2ms

S. No.	Parameter	Specifications
1	Wireless Microphone System	It should be supplied with 1 bodypack trasnsmitter and 1 headworn microphones
2	Out Put	The receiver should have 1 number balance XLR Output
3	Frequency Band	The Microphones & Receiver should work on UHF frequency band.
4	Frequency Response	It should have a frequency response of 50Hz to 18000 Hz or better.
5	Antennas	It should have as 2x Antennas
6	Interface	It should have 1x output port as 6.3mm phono type. And 1 XLR Balanced output
7	Mount	It should have 1 Rack unit hight with ability to mount in rack.
8	Channel	System should support 46 or more simultaneous Microphone in an area
9	Power	It should be supplied with 12 VDC power adapter.
10	RF Output Power	10mW or more
11	Max SPL	145dB or more
12	Carrier Frequency Range	470-797MHz
13	Modulation Mode	FM
14	Microphone Elemen	Pre-Polarized Condensor Microphone, Cardioid
15	Dynamic Range	134 dB or more
16	Sensitivity	1.5mV/PA or more
17	Current Consumption	< 301mA
18	Controls	Mute/Unmute or Power ON/OFF
19	System Latency	<2ms

(4.4) Dig	(4.4) Digital Wireless Microphone Lithium-ion Battery with charger		
S. No.	Parameter Specifications		
1	Battery	Rechargeable Li-ion Battery	
2	Capacity	1.72Ah or more	
3	Battery Count	2 or more	
4	Charging slot	2 or more	
5	Adaptor	Should come with charging adaptor	

(4.5) 600	4.5) 600mm Gooseneck microphone for digital podium		
S. No.	Parameter	Specifications	
1	Microphone	Gooseneck microphone with 600mm or more length	
2	Out Put	Should have 1 number balance XLR Output	
3	Frequency Response	It should have a frequency response of 40Hz to 19000 Hz or better.	
4	Power	Phantom powered	
5	Acoustic operation Principle	pressure gradient transducer/ interference tube transducer	

6	Pickup Pattern	Super-cardioid/lobar
7	Sensitivity	18mV/PA or more
8		RF shielding against intermodulation from wireless equipment/devices
9	Flexibility	Gooseneck should have at least two flexible sections

.6) External Antenna System		
S. No.	Parameter	Specifications
1	Frequency Range	it should suppor 470 - 1075 MHz range
2	Apex Angle	approx 100 degree or better
3	Antenna Gain	5dBi or better
4	impedance	50ohm or less
5	Directivity	Passive Directional Antenna
6	Connection	BNC Female, no DC Path
7	Compatibility	Should be from same OEM as of wireless microphone to ensure compatibility

(4.7) Act	4.7) Active Antenna Splitter		
S. No.	Parameter	Specifications	
1	Frequency Range	it should suppor 470 - 1075 MHz range	
2	Antenna Splitter	2 x 1:4 or 1 x 1:8 Active	
3	Gain	in A – out A1 to A4 : 0 ± 1 dB,	
3		in B – out B1 B4: 0 ± 1 dB	
4	Impedance	50ohm or less	
5	Reflection Loss	10dB or less	
6		Should supply power to Wireless Receivers at A1 to A4, DC 12	
	Power	V Typically 350 mA, max. 500 mA	
7	Operating Voltage	DC +12V	
8	Operating Temperature	-10 °C - +55 °C	

(5) Amplif	(5) Amplifier for Line Array Speakers		
1	Type of Amplifier	The amplifier shall be a Professional Class-D Power Amplifier	
2	No fo Channel	The amplifier shall have two independent channels.	
3	Stereo Power 8Ω	The amplifier shall deliver stereo output power of 1000 W $\times$ 2 at 8 $\Omega$ .	
4	Stereo Power \$Ω	The amplifier shall deliver stereo output power of 1600 W $\times$ 2 at 4 $\Omega$ .	
5	Bridge $8\Omega$	The amplifier shall deliver bridged output power of 3000 W at $8\Omega$ .	
6	Input Power Consumption	The input power consumption shall be 1150 W or lower under normal operation.	
7	Frequency Response	The frequency response shall be 20 Hz – 20 kHz (±0.5 dB).	
8	S/N Ratio	The signal-to-noise ratio (S/N) shall be 98 dB or higher (A-weighted).	
9	Damping Factor	The damping factor shall be 800 or higher (at 1 kHz, $8\Omega$	
10	THD+N	The total harmonic distortion plus noise (THD+N) shall not exceed 0.05% at 1 kHz, $8\Omega$ .	
11	Input Sensitivity	The input sensitivity shall be selectable between 0.775 V and 1.44 V.	
12	Input Impedance	The input impedance shall be 20 k $\Omega$ (balanced) and 10 k $\Omega$ (unbalanced).	
13	Protection	The amplifier shall incorporate protection features including clip limiters, over-temperature protection, and short-circuit protection.	

(5.1) Amplifier for Speakers		
1	Type of Amplifier	The amplifier shall be a professional Class-D amplifier.
2	No fo Channel	The amplifier shall be a four-channel power amplifier.
3	Stereo Power 8Ω	The amplifier shall deliver a stereo output power of 200 W $\times$ 4 at 8 $\Omega$ .
4	Stereo Power \$Ω	The amplifier shall deliver a stereo output power of 300 W $\times$ 4 at 4 $\Omega$ .
5	Bridge 8Ω	The amplifier shall deliver a bridged output power of $650~W \times 2$ at $8~\Omega$ .
6	Input Power Consumption	The input power consumption shall be 1035 W
7	Frequency Response	The frequency response shall be 20 Hz – 20 kHz (±0.5 dB).
8	S/N Ratio	The signal-to-noise ratio (S/N) shall be 98 dB (Aweighted).
9	Damping Factor	The damping factor shall be 500 (1 kHz @ 8 Ω)
10	THD+N	The THD+N shall not exceed 0.05% @ 8 Ω, 1 kHz.
11	Input Sensitivity	The input sensitivity shall be selectable between 0.775 V and 1.44 V.
12	Input Impedance	The input impedance shall be 20 k $\Omega$ (balanced) / 10 k $\Omega$ (unbalanced).
13	Protection	The amplifier shall include protection features including clip limiters, over-temperature protection, and short-circuit protection.

(5.2) Amplifier for Subwoofer		
1	Type of Amplifier	The amplifier shall be a professional Class-D amplifier
2	No fo Channel	The amplifier shall be a two-channel power amplifier
3	Stereo Power 8Ω	The amplifier shall deliver a stereo output power of 1000 W $\times$ 2 at 8 $\Omega$
4	Stereo Power \$Ω	The amplifier shall deliver a stereo output power of $1600 \text{ W} \times 2$ at $4 \Omega$ .
5	Bridge 8Ω	The amplifier shall deliver a bridged output power of 3000 W at 8 $\Omega$
6	Input Power Consumption	The input power consumption shall be 1150 W.
7	Frequency Response	The frequency response shall be 20 Hz – 20 kHz (±0.5 dB).
8	S/N Ratio	The signal-to-noise ratio shall be 98 dB (A-weighted)
9	Damping Factor	The damping factor shall be 800 (1 kHz @ 8 Ω).
10	THD+N	The THD+N shall not exceed 0.05% @ 8 Ω, 1 kHz.
11	Input Sensitivity	The input sensitivity shall be selectable between 0.775 V and 1.44 V.
12	Input Impedance	The input impedance shall be 20 k $\Omega$ (balanced) / 10 k $\Omega$ (unbalanced).
13	Protection	The amplifier shall include comprehensive protection features such as clip limiters, over-temperature protection, and short-circuit protection.

## **Ground Floor Training Room**

(6) 86" I	6) 86" Interactive Display		
S. No.	Parameter	Specifications	
1	Display Panel Diagonal size	86 Inches	
2	Resolution	3840 x 2160 (4K or Higher)	
3	Display Colour	1.07 Billion or HIgher	
4	Brightness	400cd/m2 or better	
5	Viewing Angle	±178 ° or better viewing angle	
6	Contrast ratio	1200:1	
7	Dynamic Contrast Ratio	30000:1	
8	Response Time	Not more than 5 ms	
9	Lifetime	50,000 hours or more	
	Touch Interactive Display - Audio System		
10	Speakers	2 x 20 Watts or Higher	
	Touch Interactive Display - Touch Technology		
11	Deployment of Touch Technology	ULTRA FINE Infrared	
12	Thickness of the touch glass	4mm Toughened Glass with 9H Toughness or better	
13	Surface technology	Anti-Glare	
14	Touch accuracy	1mm or better	
15	Touch Points in Windows	Must have a touch capability of minimum 20 points	
	Touch Interactive Display - Connectivity Ports		
16	Interface	CONNECTIVITY HDMI 2.0 In 3 HDMI 2.0 Out 1 VGA In 1 Audio In 1 Audio Out 1	
	Smart System(Android)		
17	CPU	8 core A55 or better	
18	GPU	Dual-Core A52	
19	Android version	Android 13.0 or Higher (With Playstore)	