

**TECHNICAL SPECIFICATION OF INDOOR LED WALL FOR AUDITORIUM**

Ser	Description	Required Technical Specification	Remarks
1.	Name of the Equipment	Indoor LED Wall	
2.	General Requirements		
	a. Purpose	To provide clear and high-quality visuals for presentations, events, and performances in an auditorium accommodating up to 1000 spectators	
	b. Location	Indoor (auditorium)	
	c. Viewing Distance	Optimal for distances from the LED Screen ranging from 5m to the front row to the back rows and spectators sitting in the ground floor and 1st floor	
3.	Brand	To be mentioned by the bidder	
4.	Country of Origin	To be mentioned by the bidder	
5.	Country of Assembly	To be mentioned by the bidder	
6.	Display Specifications		
	a. Screen Size		
	(1) Dimensions	14 feet (height) x 20 feet (width)	
	(2) Diagonal	Approximately 24.41 feet	
	(3) Aspect Ratio	To be mentioned by the bidder	
	b. Resolution	Full HD (1920 x 1080 pixels) or more	
	c. Pixel Pitch	3mm (P3)	
	d. Brightness	1000-1500 nits (adjustable for ambient lighting conditions)	
	e. Contrast Ratio	5,000:1 or higher	
	f. Viewing Angle		
	(1) Horizontal	140 degrees or more	
	(2) Vertical	140 degrees or more	
7.	Technical Specifications		
	a. Color Accuracy		
	(1) Bit Depth	16-bit color processing	
	(2) Color Gamut	Wide color gamut	
	b. Refresh Rate	120 hz or higher	
	c. Calibration		
	(1) Auto	Auto-calibration for consistent color and brightness	
	(2) Manual	Manual calibration option to be available	
	d. Response Time	Less than 10 milliseconds	
	e. Input Types	HDMI, DisplayPort, DVI-D, VGA, USB, SDI (for professional video equipment)	
	f. Control System		
	(1) Control Software	Integrated control software for easy operation	
	(2) Remote control	Remote control capability	
	(3) Network control	Network control via Ethernet	

	g. Connectivity	3 x connectivity for controlling	
	(1) HDMI	1xHDMI connectivity near the LED screen	
	(2) Fiber Optic	2xFiber Optic connectivity for controlling from the back of the Auditorium (90 m)	
	h. IP Rating		
	(1) Minimum	IP40 (protection against solid objects greater than 1mm, no protection against liquids)	
	(2) Recommended	IP54 (protection against dust and limited protection against water spray from any direction)	
	i. Power Supply		
	(1) Voltage	100-240V AC, 50/60Hz	
	(2) Power Consumption	Varies with size and brightness, typically 400W to 2000W	
8.	Physical and Installation Specifications		
	a. Mounting	Rust protected metallic frame mounted	
	b. Weight	Dependent on size and configuration; should provide information for safe handling	
	c. Cooling System	Efficient cooling (active or passive) to maintain optimal performance	
	d. Environment		
	(1) Operating Temperature	0°C to 40°C	
	(2) Humidity	To be mentioned by the bidder	
9.	Power Redundancy	An online UPS system for instant switching facility on a power failure and backup for 1 hour	
10.	Warranty and Support		
	a. Minimum	2-years warranty	
	b. Extended	Extended warranty options	
	c. On Demand	On demand supply of spare parts and accessories at the end of warranty period for min 5 years.	
	d. Service Support	24/7 customer support	
11.	Online Switching/Processing	Provision of at least 4 laptops/devices connection out of which min 3 HDMI input to be available	
12.	Training	3xDays, 18 hours training for 3xPerson on the operation and maintenance of the system	