

Technical Specification for the Active LED of Size(WXH): 3.6m x 2.03m

Supply Installation and Commissioning of Active LED Wall with 1.56 mm or less Pixel Pitch as per following technical specifications complete in all respect.
Approx Size: Width 3.6m W x 2.03m H (163" Diagonally)

Sr.No.	Decription	Parameter	Specification	Compliance (yes/No)
1	Physical Parameter	Screen Size	3.6m W x 2.03m H (163" Diagonally)	
2		Pixel Pitch (mm)	1.56 or less	
3		Pixel Configuration	GOB	
4		Cabinet Resolution (W x H)	384 x 216	
5		Cabinet Dimensions (W x H x D, mm)	600 x 337.5 x 72	
6		Weight per Cabinet (kg/cabinet)	6.5kg or less	
7		Physical Pixel Density (pixels/m ²)	409600 or more	
8		Flatness of Cabinet	±0.3 mm or less	
9		Cabinet Material	Die-casting Aluminum	
10		Service Access	Front	
11	Optical Parameter	Max. Brightness (After Calibration)	600nits	
12		Color Temperature (K)	3,200~9,300	
13		Visual Viewing Angle (Horizontal/Vertical)	160 x 150	
14		Brightness Uniformity	97%	
15		Color Uniformity	±0.003Cx,Cy	
16		Contrast Ratio	5,000:1	
17		Processing Depth (bit)	14 or more (HDR10, HDR10 Pro)	
18	Electrical Parameter	Power Consumption (W/m ² , Max.)	560 or less	
19		Heat Dissipation (BTU/h/m ² , Max.)	1745 or less	
20		Power Supply (V)	100 to 240	
21		Frame Rate (Hz)	50 or more	
22		Refresh Rate (Hz)	3840 or more	
23	Operation Conditions	Lifetime (Hours to Half Brightness)	100000 hrs or more	
24		Operating Temperature (°C)	-20°C to +40°C	
25		Operating Humidity	10-80% RH	
26		IP rating Front / Rear	IP50 / IP50	
	Certificates	Fire Protection	EN 13501-1	
27	UHD LED Controller of same Make as LED Screen	Inputs	HDMI, HDCP 2.2 , DP & OPS Slot	
28		UHD LED Controller of Same Make as LED Screen	Yes	
29		Resolution Supported	3840x2160 @ 60HZ or better	
30		Output Pixel	8.2 Million or more	
31		Control Ports	RS232C Loop and LAN	
32		LAN Output	Minimum 16 or more	
33		Temperature Sensor	Yes	
34		Chrome Adjustment	Yes	
35		Inbuild Operating System	Yes	
36		Quality & Security Standards/ Test Reports of Quoted Controller Model	IEC 62368-1:2018 UL 60950-1:2007	
37		Original LED Configuration Software of LED Screen OEM	Yes	
38		Brightness Adjustment	Yes	
39		Scaling	Yes	
40		HDR 10 + / HDR 10 Pro	Yes	
54	OEM Eligibility Criteria	Manufacturer Autorization is madatory from OEM Letterhead		
55		Manufacturer of LED Wall should have presence in India for more than 15 years (Certificate of Incorporation required).		
56		Manufacturer of LED Wall should have valid PF & GST registration certificate in India.		
57		Manufacturer of LED Wall should have valid certificates ISO9001, ISO14001, ISO45001 for India		
58		Manufacturer of LED Wall should have Local Branch Office in Madhya Pradesh from last 5Yrs. (Copy of Local GSTN registration to be provided).		
59		Manufacturer of LED Wall should have own Local Service Branch in Madhya Pradesh from last 5 years with Shop licence and GSTN copy as proof with Skilled manopwer, with toll free Number for Call logging & with LED chip repair Centre.		
60		Manufacturer of LED Wall should have warehouse to maintain spares/Stand by units to provide fast and smooth service from 5 years in the State. (Documentary Evidence to be provided)		
61		Manufacturer of LED wall should have positive net worth from 3 years in India,		
62		Manufacturer of LED Wall should have minimum turnover of 500 Cr in last 3 years in India from LED TV/LED Wall/Back Lit LED Wall/Panel product category. CA Certificate to be provided.		
63		Manufacturer of LED Wall should have experience for supply LED Screens minimum 10nos of same pixel and product category or better in any Government/Semi Govt./PSU department in India Direct or through Partner during last 3Yrs. (PO/Supply order/Agreement/ Similar Document is required).		
64		Manufacturing address and Brand/Make/Company should not be from land boarder countries		