

**Supplying and installation of digital Bill board of size 25 'x 14 ' at IISER Campus,
Thiruvananthapuram.**

Technical Specification

Screen dimension	25 (+0.5) x 14 (+0.5) feet with 16:9 dimension
SMD	Outdoor SMD
LED Lamp	SMD 3535
Auto restart	Upon power failure, the display must restore the previously played content without a manual work.
LED module	
Pixel Pitch	6 mm
Module dimension (W*H)	192 mm x 192 mm
Module Resolution (W*H)	32 x 32
Driving method	1/8 Scan ,Constant Current Drive
Brightness	≥ 4200cd/m ²
Horizontal Viewing Angle	≥140 degree
Vertical Viewing Angle	≥130 degree
Best Viewing Distance	≥ 6.0 m
Life Span	≥100,000 hours
Working Humidity	10% - 70% RH or better
Max Power Consumption	≤950 W/m ²
Certification	The LED module must have any one of the certification - <i>BIS, CE, FCC, ROHS, EMC, CB, UL, ISO, QMS, ISMS.</i>
Cabinet	
Cabinet material	steel
Cabinet material thickness	≥1.2 mm
Cabinet opening for service	two doors at rear side.
Cabinet size (W*H)	3.15 x 3.15 ft (only the last row or column can be of different size to match the required dimension)
Painting	Powder coating
Protection Level	Outdoor waterproof
SMPS Power supply per cabinet	≥3 numbers per cabinet size of 3.15 x 3.15 ft
Video Processor dual function (Synchronous and Asynchronous)	
In-built storage	≥8 GB flash memory
Wi-Fi support	Must be provided with antenna
HD video hard decoding	MP4, MKV, MOV
Image format support	GIF, JPG, JPEG, PNG
USB port for media transfer	USB version 2 or 3 must be available
Asynchronous storage access via	USB, Wi-Fi and LAN IN
Audio output	3.5 mm audio output
Ethernet output to receiving card	≥4 numbers

	Video input	≥1 HDMI
	Video output	≥1 HDMI
	Resolution	≥1920x1080
Power supply and cables		
	Input Voltage	182V-262V
	Frequency	50-60 Hz
	SMPS	The required number of SMPS must be supplied
	HDMI, DP and others cables	The required cables must be supplied to connect computer/laptop to the video processor.
	Cabinet for video processor	A water proof cabinet must be installed behind the panel that can hold the video processor

Note

- Original specification sheet for both LED module and Video processor must be supplied.
- LED module and the video processor can be manufactured by different vendors.
- The work includes all charges of loading, unloading, transportation and all taxes etc..
- Warranty for all the components (LED module, Video processor, Cabinet, etc.) must be at least three years and it starts from the date of commissioning of bill board
- For installation a 40 KW power supply points will be provided near the bill board by the department
- The LED module must have any one of the certification - BIS, CE, FCC, ROHS, EMC, CB, UL, ISO, QMS, and ISMS.