

## BOQ

### FOR SUPPLY & INSTALLATION OF LED VIDEO WALL (SMD) AT SMI UNIVERSITY

S/No	Detail/ Description	Qty	Rate	Amount
1	Supply, installation, testing, commissioning, mounting on floor or wall with standard fitting & fixtures etc. complete in all respect preferably in 16'x9' size which may be adjustable as per site requirement. All the items devices, equipment's fittings Aluminum Alloy Cabinet Indoor, fixtures weather or not specified in specifications which are necessarily required shall be deemed to have been mentioned in the specifications.			
a	<b>P5.68 mm Indoor Full Color LED Display</b> technical parameter are attached in Annexure "A" , or Equivalent specification for display performance may be quoted	144	Sft	
b	<b>P5.2 mm Indoor Full Color LED Display</b> Technical parameter are attached in Annexure "B" or Equivalent specification for display performance may be quoted	144	Sft	
c	<b>P 6.25 mm Indoor Full Color LED Display OR Equivalent</b> Technical parameter are attached in Annexure "C" or Equivalent specification performance may be quoted	144	Sft	

NOTE: the procuring committee of SMIU shall finalize / recommend any of the options as above option given at (a), (b), (c) subject to final presentation, demo, physical verification and vision for which bidders shall have to prepare detailed demo/presentation plan with the bid

Tender opened by  
Convener of tender committee  
Sindh Madreesatulislam University

SIGNATURE OF CONTRACTOR WITH SEAL : \_\_\_\_\_

**ABSTRACT OF COST**

I. P5.68 mm Indoor Full Color LED Display      Rs.....

Rupees in words

( \_\_\_\_\_  
\_\_\_\_\_ )

II. P5.2 mm Indoor Full Color LED Display      Rs.....

Rupees in words

( \_\_\_\_\_  
\_\_\_\_\_ )

III. P 6.25 mm Indoor Full Color LED Display      Rs.....

( \_\_\_\_\_  
\_\_\_\_\_ )

SIGNATURE OF CONTRACTOR WITH SEAL : \_\_\_\_\_

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## Annexure “A”

### P5.68mm Indoor Full Color LED Display OR EquivalentT

Pixel Parameter	
Pixel Pitch	5.68 mm
Pixel Configuration	Black SMD 3in1 with 3528
Pixel Density	30995dots / m <sup>2</sup>
Module Parameter	
Module Pixels	44 dots × 44 dots = 1936 dots
Module Size	250 mm × 250 mm
Driving mode	FPGA with 1/11
Screen Technical Parameter	
Brightness	≥1500 cd / m <sup>2</sup> adjustable
Protecting Level	IP43
Brightness Adjustment	256 grade automatic
Viewing Angle	H:110° , V:110°
Cabinet Series	Aluminum cabinet
Cabinet Weight	14 kg
Maintenance	can be front maintenance for module,power supply and system
Grey Scale	16bit
Refresh Rate	≥2100 HZ
Contrast Ratio	6500:1
MTBF	7,000 hours
Screen Life Span	>100,000 hours
Input Voltage	AC 100 / 240 V, 50 – 60 HZ
Average Consumption	100-300 w / m <sup>2</sup>
Storage Environment Temperature/ humidity	-40℃ ~ + 60 ℃/10% - 90% RH
Operating Environment Temperature/humidity	0℃ ~ + 65℃/10% - 90% RH
Certifications	FCC, CE, RoHS
Control System Parameter	
System Operating Platform	Windows (PC) and video vall processor
Control System	PCTV (Optional) + DVI + MCC + Fibre Optic (Optional)
Video Signal	RF, S-Video, RGB, RGBHV, YUV, YC, COMPOSITION, ect
Input Signal	S-Video, VGA, RGB, Composite Video, SDI

## Annexure “B”

## P5.2mm Indoor Full Color LED Display OR Equivalent

	Parameter	Value
<b>Physical Parameter</b>	Pixel Configuration	2121 black body 3in1 SMD
	Pixel Pitch ( mm )	5.2
	Pixel matrix per panel	144×144
	Pixel density ( pixels/sq.m. )	36864
	Module Dimensions (LxWxH)/ ( mm )	250×250
	Cabinet Dimensions (LxWxH)/ ( mm )	750×750×85
	Panel material	Steel
	Module Weight (kg)	0.6
	Cabinet weight (kg/panel)	16
<b>Electronic Parameter</b>	Color Grayscale (Bit)	13
	Gray Scale per Color ( level)	8192
	Refresh Rate ( Hz )	960
	Driving Type	1/8
	Frame Frequency ( Hz )	50/60
	Signal Transmission Distance ( m )	CATS cable: <100 m; Single mode fiber: <10 km
<b>Optical Parameter</b>	Brightness ( nit )	1200
	Color Temperature (K)	7500
	Color Contrast	3200:1
	Optimal Horizontal Viewing Angle ( ° )	150
	Optimal Vertical Viewing Angle ( ° )	140
<b>Electrical Parameter</b>	AC Input Voltage ( V )	100~240
	AC Input Frequency ( Hz )	50/60
	AC Input Power Maximum Value ( W/m <sup>2</sup> )	555
	AC Input Power Typical Value ( W/m <sup>2</sup> )	185
<b>Circumstance Parameter</b>	Storage Temperature ( °C )	- 40~+60
	Operating Temperature ( °C )	- 10~+40
	Storage Humidity ( RH )	10%~90%
	Operating Humidity ( RH )	10%~90%
	IP rating (Front/Rear)	IP40/IP21
	Lifetime Typical Value ( hrs )	100000
<b>Installation type for rental product</b>	Cabinet installation type	Fix
	Maximum number of panel for Lifting	/

## Annexure “C”

### P 6.25 mm Indoor Full Color LED Display OR Equivalent

Parameter		Value
<b>Physical Parameter</b>	Pixel Configuration	2121 black body 3in1 SMD
	Pixel Pitch ( mm )	6.25
	Pixel matrix per panel	120×120
	Pixel density ( pixels/sq.m. )	25600
	Module Dimensions (LxWxH)/ ( mm )	250×250
	Panel Dimensions (LxWxH)/ ( mm )	750×750×85
	Panel material	Steel
	Module Weight (kg)	0.6
	Cabinet weight (kg/panel)	16
<b>Electronic Parameter</b>	Color Grayscale (Bit)	16
	Gray Scale per Color ( level)	65536
	Refresh Rate ( Hz )	1200
	Driving Type	1/5
	Frame Frequency ( Hz )	50/60
	Signal Transmission Distance ( m )	CAT5 cable: < 100 m; Single mode fiber: < 10 km
<b>Optical Parameter</b>	Brightness ( nit )	1200
	Color Temperature ( K )	7500
	Color Contrast	3900:1
	Optimal Horizontal Viewing Angle ( ° )	150
	Optimal Vertical Viewing Angle ( ° )	140
<b>Electrical Parameter</b>	AC Input Voltage ( V )	100~240
	AC Input Frequency ( Hz )	50/60
	AC Input Power Maximum Value ( W/m <sup>2</sup> )	555
	AC Input Power Typical Value ( W/m <sup>2</sup> )	185
<b>Circumstance Parameter</b>	Storage Temperature ( °C )	- 40~+60
	Operating Temperature ( °C )	- 10~+40
	Storage Humidity ( RH )	10%~90%
	Operating Humidity ( RH )	10%~90%
	IP rating (Front/Rear)	IP40/IP21
	Lifetime Typical Value ( hrs )	100000
<b>Installation type for rental product</b>	Cabinet installation type	Fix
	Maximum number of panel for Lifting	/