

TECHNOCRATZ

LED DISPLAY SYSTEMS

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PRESENTS

**LED Basketball Scoreboards
Semi Digital
OUTDOOR DAY/NIGHT VISIBLE**



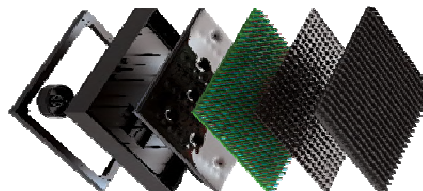
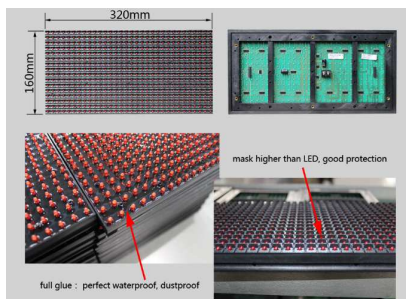
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Proposal and technical specifications for the LED Basketball scoreboards

Alphabet height	4", 6" & 12" as mentioned in models
Color	Red LED with fixed matter in printed vinyl (LED available in Red, Green, Blue, Yellow & White)
Box	MS box black powder coated
<i>Transportation</i>	Price ex works Delhi
<i>GST</i>	Extra @ 18%
Delivery	1-2 weeks against PO and advance
Payment terms	50% advance , 50% on inspection before dispatch
Warranty	One year
<ul style="list-style-type: none"> • Hooks/clamps will be provided for installation. • Installation/ structure cost not included, engineer will be provided for commissioning, training & Service on TA / DA basis @ Rs.2500/- per day if required, the systems are plug and play ,simple to operate and do not require Engineer to install. • The LED Scoreboards are operated by Android app from a distance of 8-10 meters via Bluetooth. • If you want to operate the Scoreboard from a larger distance then a RF amplifier costing Rs.3000/- is required which will be connected to Mobile via Bluetooth and the RF Amplifier will communicate to Scoreboard via wireless RF up to 100 meter in line of sight. The cost of RF Amplifier is inclusive if you use Shot Clocks BSC-04, 05 or 06 models along with the scoreboards • 24 / 14seconds Shot clock timer BSC 04, 05 or 06 can be attached to most of above models or can operate independently. 	

Our Scoreboards are manufactured using the P10 LED modules and not the general local digits which are assembled manually. These modules have the LED, IC and the components mounted by machines on double sided glass epoxy PCB and made waterproof using silicon and fixed on to high grade plastic frame making them shock proof and virtually maintenance free. The Scoreboard is made up of 100% rainproof MS powder coated housing with front covered with Unbreakable transparent polycarbonate sheet having a laminated attractive print. The Scoreboard electronics consists 3 basic components i.e. the **LED modules** of 6 x 12" each powered by **SMPS** connected to one another and the microcontroller based **motherboard**. The scoreboards are manufactured maintaining high standards hence the chances of defect are minimal, still if a fault occurs, these components are connected to each other via connector based FRC ribbon cable and the 5 volt power too has connectors which makes the scoreboard modular and easy to maintain.

Picture of the LED Modules used.



Module Parameter:

Pixel pitch	10mm
Pixel Density	10,000 dots/m ²
Pixel configuration	1R
LED type	DIP346
Module size	320*160mm
Module weight	583g
Module resolution	32*16dots
Brightness	≥2000 cd/m ² (Higher for Full color)
Viewing Angle	H≤110° V≤50°
Driving Mode	1/4 scan constant current
Interface	HUB12
Input voltage	4.8-5.5VDC
Max. Power Consumption	220 w/m ² (LED Area)
Avg. Power Consumption	80-100 w/m ² (LED Area)
Max. Current	2.6-2.9A
Frame rate	60 frames/s
Refresh Rate	≥200Hz
Defective Dots Rate	<0.0001 (LED display line standard: ≤ 0.0003)
Decay Rate	≤5%/year
Brightness Conformity	>95%
MTBF	≥10000 hours
Lifespan	≥50000 hours
Protective function	Over-heat/Over-load /Power-down /Power-leakage/Lightning-protection etc.
Operating Temperature	-20°C~+50°C
Operating Humidity	10-85% no condensation
Storage Temperature	-30°C~+60°C
Storage Humidity	10-95% no condensation

Android Mobile App : Available on Play store “Technocratz Sports”



Scoreboards

Model	Size (Feet)	Rate / Unit
BBS-Mini Indoor *	8" x 24"	Rs. 8,500/-
BBS-01	12" x 30"	Rs. 12,500/-
BBS-02	2' x 3'	Rs. 20,000/-
BBS-03*	20" x 30"	Rs. 22,500/-
BBS-04	3' x 4'	Rs. 25,000/-
BBS-04S	3' x 4'	Rs. 27,000/-
BBS-05	3' x 4'	Rs. 30,000/-
BBS-05S	4' x 6'	Rs. 32,000/-
BBS-06	4' x 6'	Rs. 60,000/-
BBS-06S	4' x 6'	Rs. 62,000/-
BBS-07*	4' x 6'	Rs. 66,000/-
BBS-08*	4' x 6'	Rs. 66,000/-
Movable stand with wheels	For 3x4'	Rs. 5000/-
Movable stand with wheels	For 4x6'	Rs. 7000/-

Shot clock 24/14 seconds

Model	Size	Digit Ht.	Price	
			Single Unit	Set of Two
BSC-01	1' x 1'	12"	Rs. 9,000/-	XXXX
BSC-02	1' x 1'	2.5"/ 8"	Rs. 9,000/-	XXXX
BSC-03	1' x 1.5'	4"/ 12"	Rs. 12,000/-	XXXX
BSC-04	1' x 1'	12"	Rs. 12,000/-	Rs. 21,000/-
BSC-05	1' x 1'	2.5"/ 8"	Rs. 12,000/-	Rs. 21,000/-
BSC-06	1' x 1.5'	4"/ 12"	Rs. 15,000/-	Rs. 27,000/-

The 24/14 Second Shot Clock BSC-01, 02, 03 Models are independent and can be used only as single units connected to Android mobile up to a distance of 8-10 meter only. They cannot be used as pair for 2 poles or be connected to scoreboard

The Models BSC-04, 05, 06 can be connected to the Main LED Scoreboard Wirelessly via RF transmission up to a distance of 100 meter in line of sight.

The Shot Clock can run

- Independently as one Shot clock connected via Bluetooth (Models BSC-01, 02 and 03)
- Shot Clock can be used in a set of 2 for the two poles from one mobile using the long distance RF amplifier (Cost Included) where the Mobile is connected to RF Amplifier via Bluetooth up to distance of 8-10 meters and RF amplifier sends data to Shot Clocks via RF
- Shot clock BSC-04, 05 and 06 as single units or set of two can be connected to ant Scoreboard via RF Amplifier (cost Included with Shot clock)

Model BBS-Mini (INDOOR) : 8 inch x 24 inch. All digits 4". Cost Rs. 8,500/-



Model BBS – 01: 12 inch x 30 inch. All digits 6". Cost Rs. 12,500/-



**BBS-02: Size 2 feet height x 3 feet width. (Digits 6") Cost Rs. 20,000/-
The team names are print insertions**



**BBS-03: 20 inch x 30 inch. Digit height 6, 4" and 2.5"
Cost Rs. 22,500/-**



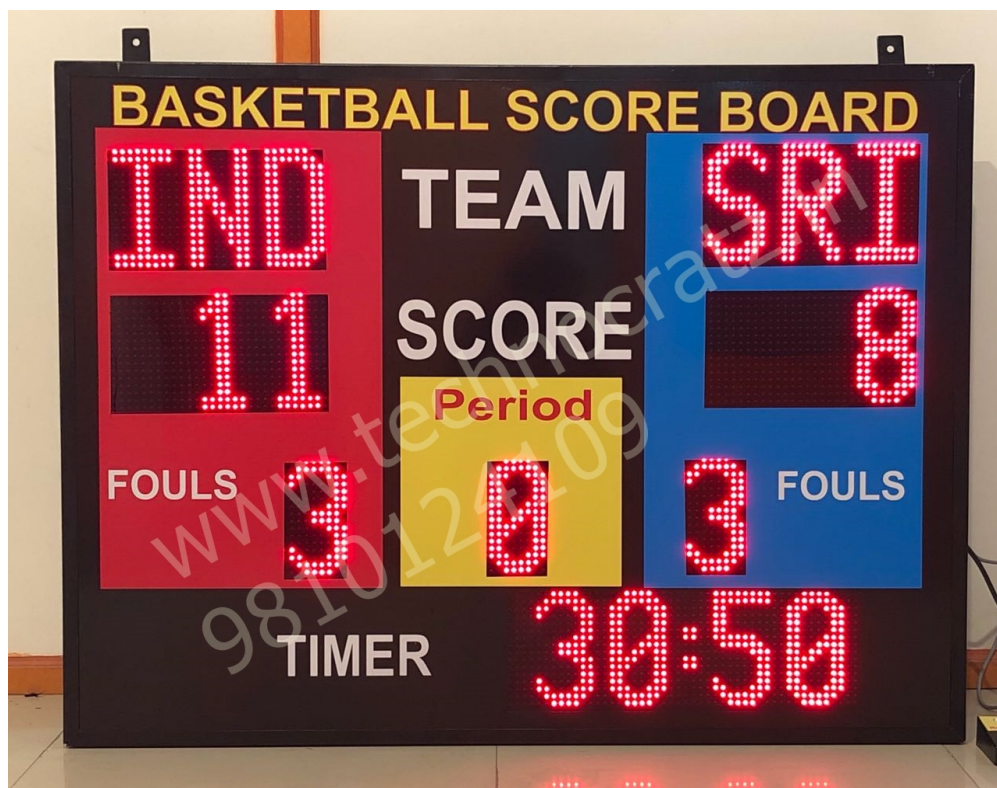
BBS-04 : 3 Feet x 4 Feet. (Digits 6") Cost Rs. 25,000/-
The team names are print insertions



BBS-04S:With 24 sec shot clock 3 Feet x 4 Feet. (Digits 6") Cost Rs. 27,000/-
The team names are print insertions



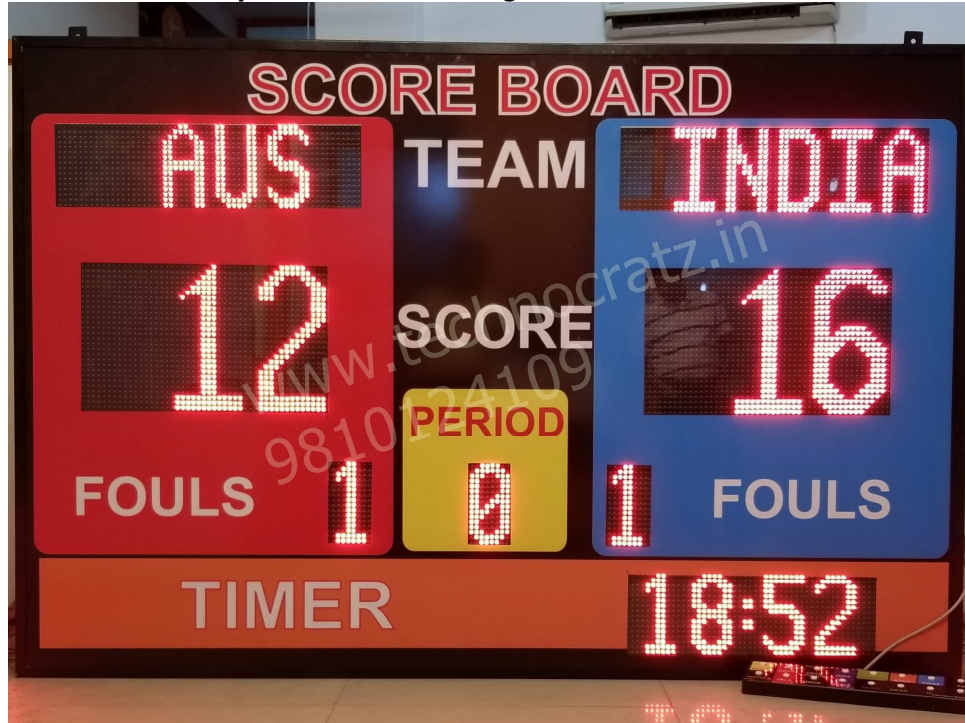
BBS-05: 3 Feet x 4 Feet. (Digits 6") Cost Rs. 30,000/-
The team names are 3 alphabets each in digital.



BBS-05S: With shot clock 3 Feet x 4 Feet. (Digits 6") Cost Rs. 32,000/-
The team names are 3 alphabets each in digital.



**BBS-06: 4 Feet x 6 Feet. (Scores 12" rest of the Digits 6") Cost Rs. 60,000/-
The team names are 6 alphabets each in digital.**



**BBS-06S:with shot clock. 4 Feet x 6 Feet. (Scores 12" rest of the Digits 6")
Cost Rs. 62,000/-
The team names are 6 alphabets each in digital.**



BBS-07: 4 Feet x 6 Feet. (Digits 6") Cost Rs. 66,000/-
Parameters as shown below.



BBS-08: 4 Feet x 6 Feet. (Game Clock 12" rest of the Digits 6") Cost Rs. 66,000/-
Parameters as shown below. Game Clock is 12" and rest 6"



BSC-01 : 24 / 14 seconds Shot Clock. Size 1'x1' (Digit 12")
Single unit, wireless range 8-10 meter. Cost Rs. 9,000/-



BSC-02 : 24 / 14 seconds Shot Clock plus game clock. Size 1'x1' (Digit 2.5" / 8")
Single unit, wireless range 8-10 meter. Cost Rs. 9,000/-



BSC-03 : 24 / 14 seconds Shot Clock Plus game clock. Size 1'x1.5' (Digit 4" / 12")
Single unit, wireless range 8-10 meter. Cost Rs. 12,000/-



BSC-04 : 24 / 14 seconds Shot Clock. Size 1'x1' (Digit 12")
Single unit wireless range line of sight 100 meter. Cost Rs. 12,000/-
Set of 2 units, wireless line of sight range 100 meters. Cost Rs. 21,000/-



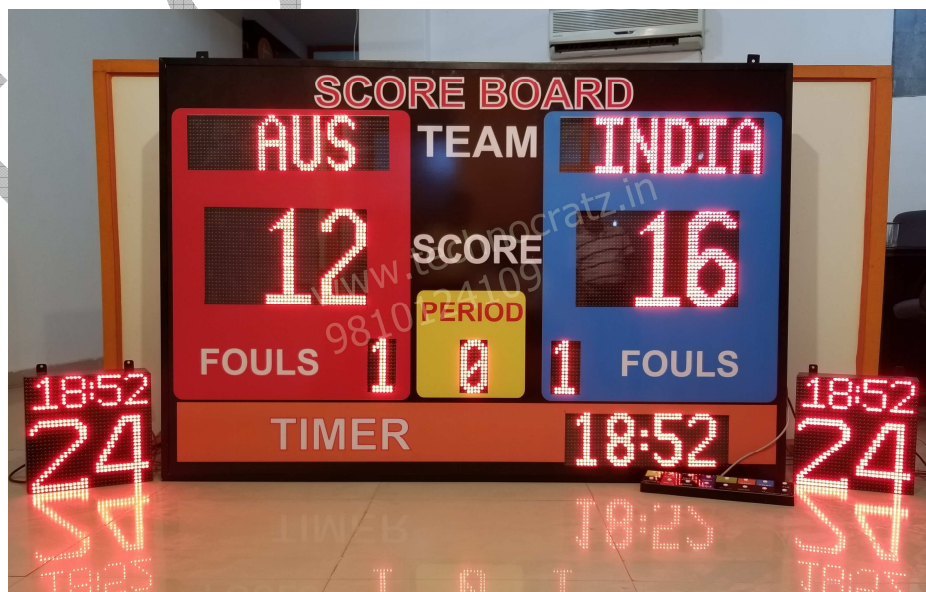
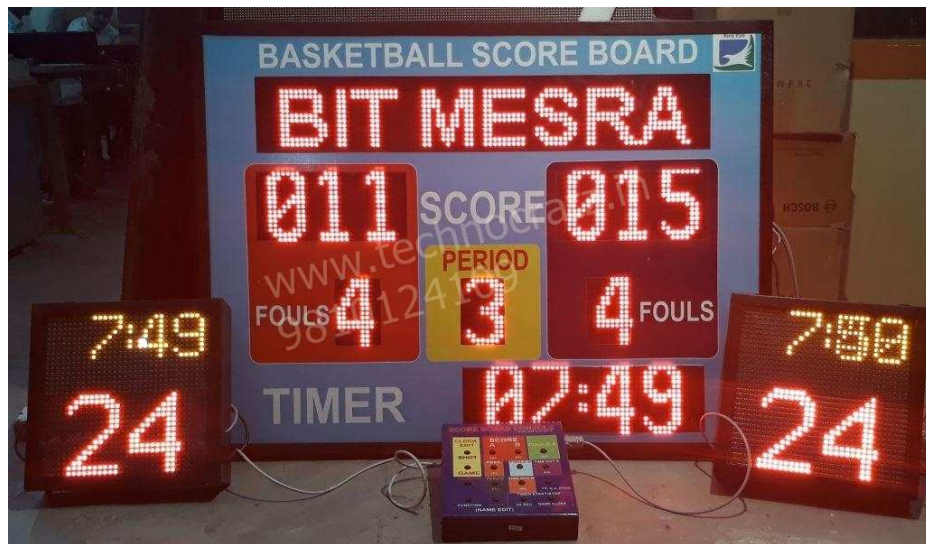
BSC-05 : 24 / 14 seconds Shot Clock plus game clock. Size 1'x1' (Digit 2.5" / 8")
Single unit wireless range line of sight 100 meter Cost Rs. 12,000/-
Set of 2 units, wireless line of sight range 100 meters Cost Rs. 21,000/-



BSC-06 : 24 / 14 seconds Shot Clock plus game clock. Size 1'x1.5' (Digit 4" / 12")
Single unit wireless range line of sight 100 meter Cost Rs. 15,000/-
Set of 2 units, wireless line of sight range 100 meters Cost Rs. 27,000/-



Some Models with 24 Sec Shot Clock timer attached





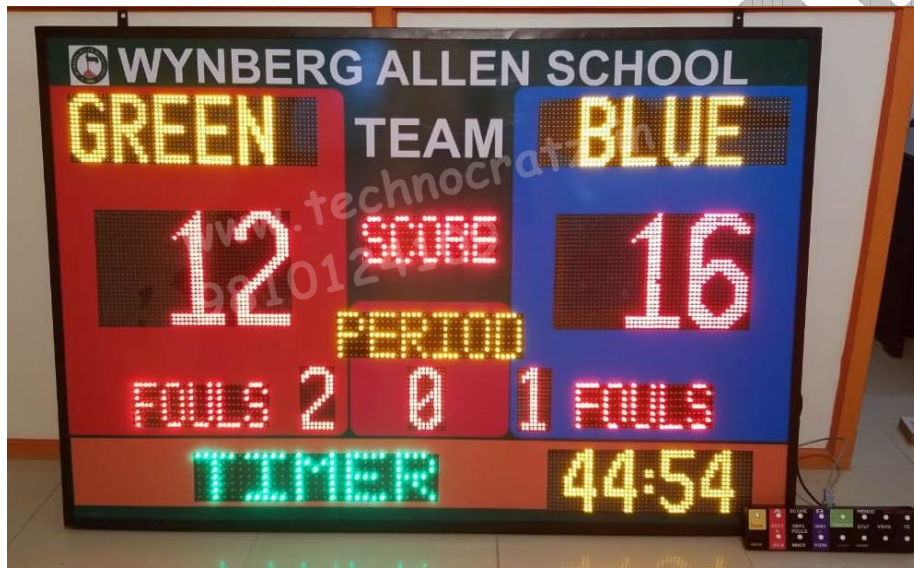
Installation Structure Picture



Picture of board on Movable trolley

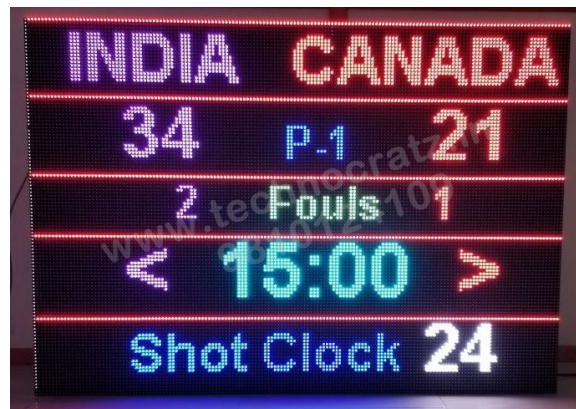


Customized Basketball scoreboards



Single color and Full color Screen Scoreboards with video capability PC operated

Size 4x5 feet



Size 5x7 feet



Size 6x9 feet





Techno