



JAGADIS BOSE NATIONAL SCIENCE TALENT SEARCH
1300, RAJDANGA MAIN ROAD
KOLKATA – 700107
Tel. : (033) 24428270

(N.I.T no. JB/SMD – LED Display/2019-20/44 dated 18.03.2020)

Tenders are invited from eligible vendors /agencies / contractors for making and installing SMD – LED display at our office at 1300, Rajdanga Main Road, Kolkata : 700107. The details of work are as under :

1. Name of work : Making and installing SMD – LED outdoor display (waterproof) at our office at 1300, Rajdanga Main Road, Kolkata : 700107

2. Size : i) 13 ft. X 6 ft. (appx)

3. Specification : Attached and marked Annx 1

4. Installation : The display has to be installed at the mentioned place with Al-Mg/SS/M.S angle platform. All electrical / civil / masonry work, if required for successful installation and commissioning, has to be done by the agency (Pre-submission site visit may be allowed with prior information / appointment).

5. Only those agencies, which have sales, service and maintenance center at Kolkata may apply. The address of Kolkata office should be furnished in the quotation.

6. Copies of the following documents (self attested) should be submitted with the tender ;

- i) Valid trade license within the state of West Bengal.
- ii) Valid GST Registration certificate
- iii) **A clientele with copy of work order / valid documentary evidence of completion of work.**

7. Warranty period: The details of warranty period to be furnished by the bidder.

8. Terms and Conditions :

- The tender should be submitted in the official letterhead of the bidder and in the format given herein as Annx 1 (along with supporting brochure/ leaflet) . **Quotations in any other format or without any of the documents as mentioned in Clause 6 shall be rejected.**
- Quotations shall be evaluated on the basis of “Total Cost and specification” of the job.

- The agency shall mobilize all men, materials and equipments required for this job at his cost. No extra payment for that shall be allowed.
- The agency shall remain responsible for the safety and security of all men, materials and equipments during the period of work. JBNSTS shall not be responsible, in any manner whatsoever for any damage, theft, accidents etc.
- Appropriate safety measures should be provided to the workmen engaged. No workman, below the age of 18 (eighteen) shall be allowed to work.
- The agency shall arrange for scaffolding, stage, platform etc. wherever required at his own cost. However, electrical connection for work shall be provided by us.
- **The quotation should be accompanied with a copy of the trade license /GST regn. Certificate/ PAN card of the bidder**
- The rates should be given at per square feet basis for the display (inclusive of control system and any other attachments). If required, Lump sum amount for Structural/civil / masonry work may be quoted. The rates should be inclusive of all taxes and charges. No extra payment, for any reason whatsoever shall be payable.
- Payment shall be made on the basis of actual size of the display.
- All payments shall be made by A/C payee cheque only after completion of the job in totality. All legal deductions, if any, shall be made from the final payment

The last date of submitting quotations is **March 25, 2020 (12.00 pm IST)**. All quotations should be submitted in sealed envelope addressed to The Director, Jagadis Bose National Science Talent Search, Kolkata – 700107 at our office. The quotations will be opened at **03.00 pm (IST) on March 25, 2020 at** our office. Interested parties may remain present at the time of opening quotation. JBNSTS reserves the right to reject any or all of the quotations.

For further details contact:

Asst. Director (Admin)
Phone: 033- 24428270

**TECHNICAL SPECIFICATION FOR
SMD-LED OUTDORE (WATERPROOF) DISPLAY (~13ft * 6ft)**

Sr. no.	Item	Type	Brand & Model	Warranty Period (months)	Cost/Unit	Quantity	Total cost
A. LED CHIP							
1.	LED Constitution i) SMD 3535	P10					
B. MODULE SPECIFICATIONS							
1.	Pixel Pitch	10 mm					
2.	Module Pixels	512 dots					
3.	Module Resolution	32 dots x 16 dots					
4.	Module size	320 mm x 160 mm					
5.	Module Weight	As applicable					
6.	Drive IC	ICN					
C. CABINET SPECIFICATION							
1.	Cabinet size (WXHxD)	960*960*148mm					
2.	Cabinet Resolution	96 dots x 96 dots					
3.	Module Quantity	As applicable					
4.	Pixel Density	9216 dots / m ²					
5.	Material	SS/MS/Mg-Al					
6.	Cabinet Weight	25 – 30 kgs					
D. SCREEN PARAMETERS							
1.	Screen Display Area	13ft*6ft					
2.	Cabinet Quantity	As applicable					
3.	Brightness (RGB)	≥7500 cd/m ²					
4.	Driving Method	1 / 8 scan					
5.	View Angle	Horizontal 140° Vertical 140°					
6.	Min. viewing distance	≥5 mt					
7.	Grayscale	19384					
8.	Colours	549 billion					
10	Input Voltage	AC 220 V /50HzorAC110V/ 60Hz					
11.	Power Consumption (Max /Ave.)	1000 W / m ²					
12	Screen weight	35 kg / m ²					
13	MTBF	>10000 hours					
14	Lifespan	≥100,000 hours					
15	IP rating (Front/Rear)	IP 65					

Sr. no.	Item	Type	Brand & Model	Warranty Period (months)	Cost/Unit	Quantity	Total cost	
16	Temperature Operating	-10° C ~60°C						
17	Humidity Operating	10% ~ 90%						
18	Power Supply	G-energy Rong electric; SMPS as applicable						
19.	Controlling System Include brightness controller for Day and night & control card	Pre-allocated and live with Internal storage 6GB space & Lan, HDMI, WiFi. Including connecting wire upto 90m						
20	Source Compatibility (with video processor) branded quality	AV,DVI,HDMI,SD I, S-Video, DP etc.						
21	Video display function	Synchronous display kinds of text, graphics, signs, flashes. And any signal from TV, VCD, DVD, Camera, and scanner and so on, support PAL, NTSC.						
22	Waterproof Protection	IP65						
23	Refresh Rate	≥400 Hz Max. 2000 Hz						
24	Pixel Failure Ratio	<0.0001						
E,	Civil / Masonary work							
F.	Electrical Work							
Total Cost								

(Rs.

) only

(Signature with company seal)

Date :