



(N.I.T no. JBNSTS/4-1/2024-25/016 Dated. 09/09/2024)

JAGADIS BOSE NATIONAL SCIENCE TALENT SEARCH
1300, RAJDANGA MAIN ROAD KOLKATA - 700107
Tel.: 2442 8270, 24417542

NOTICE INVITING TENDER

Sealed quotations are invited from reputed vendors / suppliers for supplying the following Interactive Flat Panel (IFP) at our office at 1300, Rajdanga Main Road, Kolkata – 700 107. Details are as under

Sl. no.	Item Name	No. of Units	Specification
1.	Interactive Flat Panel (IFP) 86"size with built in camera and microphone array with Mini PC to be placed in Heavy duty floor mount stand	01 (One)	<u>As per Annexure 1</u>

Other terms and conditions:

- 1. Delivery:** Free of cost at our office at 1300, Rajdanga Main Road, Kolkata - 700107
- 2. Installation:** Free of cost by authorized technician of the company only
- 3. Delivery period:** Within 15 days of the purchase order
- 4. Payment** – Payment shall be made by a/c payee cheque only after successful installation of the machine at our office. All legal deductions shall be made before the final payment.
- Bidders are mandatory to mention the brand and model name with photograph of the Interactive Flat Panel (IFP) clearly in the bid documents.
- Bidders are required to submit unit price inclusive of all taxes and charges like transportation, supervision, mobilization of materials / manpower etc. No extra payment shall be admissible for any reason whatsoever
- Quotations along with a copy of GSTIN regn / trade license / PAN should be submitted in a sealed envelope addressed to “The Director, Jagadis Bose National Science Talent Search, 1300, Rajdanga Main Road, Kolkata – 700107 at our office at 1300, Rajdanga Main Road, Kolkata – 700 107 at any time before the time of closing of the tender.

The last date of submitting quotations is **16th September, 2024 upto 12.00 pm (IST)**. The quotations will be opened on **17th September, 2024 at 03.00 pm (IST) on at** our office. Interested parties may remain present at the time of opening quotation.

For further details contact:

Asst. Director (Admin)
Phone: 033- 68202555

Annexure 1

Display Compliance Sheet

Suggested Make and Model No.

Suggested Make and Model No.			
S.No.	Specifications	Compliance (Yes/No)	Remarks
Display System			
(i) Display Size, Surface & Technology			
1	• Min. 86 Inch (Diagonal)		
2	• Anti bacteria Glass , Anti Scratch & Anti Glare Surface		
3	• LED with min. 60 Hz refresh rate		
4	• Resolutions: 3840 x 2160 (Min.)		
5	• Aspect Ratio: 16:9		
6	• Brightness : 450cd2 (D-LED) or higher		
7	• Viewingh Angle Range (Min.): 178°		
8	• Inbuilt Tempered Glass 3.2T (Anti-Glare + Mosh7) Dry Bonding		
9	• Industrial grade panel which can operate in high temperature, humidity & dust		
10	• Inbuilt Quad View functionality to connect minimum 9 Mobile/ Tablet together		
(ii) System Operations			
11	• Power Supply: 240 V; 50 Hz		
12	• Operating Temp: 0° C to 40° C		
13	• Opersting Humidity: 20% to 80%		
(iii) Audio			
14	• Inbuilt front facing speakers on the Display (15 W x 2) and Sub woofer (20 W x 2)		
(iv) Smart Pen			
15	• Smart Pen controller (Full functional control [option])		
(v) Touch System			
16	• Type: Infra Red based		
17	• Input for Touch : Finger, Gloved Fingers, Opaque Objects / Touch Pens		
18	• Smart touch pens with multiple functionality (with suitable magnet space on the Display front) ; Qty 2		
19	• Touch scan Rate : 50 Scans / sec (Min.)		
20	• Touch Points : Multi touch (Min. 40 Touch Points in windows and Min. 20 Touch Points in Android)		
21	• Touch accuracy :± 1 mm (Over 90% Area)		
(vi) Input/Output (I/O) System			
22	• Front Interface : USB 3.0 (2pcs), Touch USB 3.0 , USB Type- C 65W		
23	• HDMI In (ver 2.0) - Min. 2 port and DP 1.2 In - Min. 1 port, HDMI In 2.0		
24	• HDMI Out - Min. 1 port		
25	• RJ 45 - Min 1 Port (with 5 m Patch Cable)		
26	• Intel(R) Wi-Fi 6 AX201 160Mhz:PCIE protocol with WiFi and Hotspot simultaneously		
27	• VGA /HDMI (with cable to connect external monitor / device)		
28	• USB (2.0) - 1 Ports + USB (3.0) - 2 Port		
(vii) Inbuilt Android System			
29	• Operating System - Android 13.0 (min) or higher		

30	• CPU- A73x4 + A53x4 2.2GHz		
31	• Inbuilt Memory -RAM - 8GB		
32	• Inbuilt Memory -ROM - 64GB and with additional 128 GB internal storage		
(viii) Inbuilt All in System & Software with Special Features			
32	• Inbuilt camera - 8MP camera		
33	• Inbuilt 8 array mic with Echo Removal / Noise Suppression / Dialog Improvement / Auto Gain		
34	• Advanced security with NFC program control		
35	• Management & Control of Display through RS232 Port		
36	• HotKeys: Inbuilt 9-keys (Min.) for direct access of functionality of display without getting into Software Menu		
37	• DPMS: Inbuilt Auto-power management system		
(a) Operating System			
38	• Android/Linux/Open Source based O.S		
(b) Software Apps (Pre Loaded)			
39	•Content Management Systems & Apps to support Writing,Drawing, Eraser, Screen Capture, Video Player,Recording, File & Folder Manager, Storage Management, Print, Email, etc.		
40	• Dry Bonding Lamination technology between glass and Panel so that Gap is less than 1 mm or lower		
41	• Dual function Pen - One Side Eraser & Other Side Pen		
42	• Must have QR Code to transfer image to mobile wirelessly		
43	• Security features - Pin based and / or password based.		
44	• Over the Air update of Apps & O.S.		
45	• Integrated Google Play store accessibility for apps viewing on the display .		

OEM Pre- Qualification			
OEM Criteria	The OEM should be a firm/organization/company/ corporation/ Deemed OEM Firm since last 10 yrs. OEM should have direct / indirect service setup in Major cities or through authorized partner considering partner do have well trained personnel from OEM with certification.		
MAF for Sales & Service Support	The bidder must attach Manufactures Authorization certificate specific to this tender & Back-to- back support letter from OEMs for providing Comprehensive support and services covered under this RFP for Interactive Flat Panel and it must have with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.		
Product Data Sheet	Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.		
OEM Quality Certificates	All mentioned certificates for interactive flat panel should be submitted: -BIS, RoHS and CE/UL/FCC (BIS & RoHS are Mandatory)		
Imported Products	In case of the offered products are being imported from other country then OEM or Authorized Distributer of OEM must have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted on the OEM letter head signed by the CEO of the Company .		
Spare Parts	Bidder must submit the undertaking on the OEM letter head for the availability of Service & Spare Parts support for 10 years .		

Service	OEM/ Distributor must have the all india Toll Free number for compliant logging .		
OEM Turnover	OEM / Distributor must have minimum Global turnover of Rs. 20 Cr or Higher every year for last 3 Financial years - 2020, 2021, 2022.		
Certification	The OEM of the interactive flat panel must have ISO 90001 , ISO 14001 and ISO 45001 certification.		
Country of Origin	The bidder must submit the latest copy of COO (Country of Origin Certificate) which is not older than last 3 months while tender submission for the model quoted .		
Others Criteria	Undertaking as per Office Memorandum No.: F. No.6/ 18/2019-PPD dated 23.07.2020 & Office Memorandum No.: F.\8/37/2020-PPD dated 08.02.202 I of Ministry of Finance, Dept. of Expenditure , Public Procurement division shall be provided by OEM. Therefore Chinese Origin Products shall not be accepted as per GFR guidelines of land border requirements.		

****Specification of Mini PC to be placed in Heavy duty floor mount stand**

Intel Core i5 12th Generation or higher
16 GB DDR4 RAM, 256 GB NVMe SSD
Pre-installed Windows 10 OS
LAN port 10/100/1000 Mbps and integrated Wi-Fi+Bluetooth adapter
With wireless keyboard and mouse