



सत्यमेव जयते

भारत सरकार

GOVERNMENT OF INDIA

स्वास्थ्य एवं परिवार कल्याण मंत्रालय

MINISTRY OF HEALTH AND FAMILY WELFARE

राष्ट्रीय जन स्वास्थ्य प्रशिक्षण एवं अनुसंधान संस्थान

NATIONAL INSTITUTE OF PUBLIC HEALTH TRAINING & RESEARCH

332, S. V. P. Road, Khetwadi, Girgaon, Mumbai - 400 004

Notice for Comments and Suggestions from Stakeholders

NIPHTR, Mumbai, invites comments and suggestions from stakeholders on the technical specifications of Digital Classroom Equipment. The comments may be sent to the official email ID: director.fwtrc@nic.in.

Interested bidders may participate in the bid published on the GeM portal (Bid No. GEM/2026/B/8107549). The last date for bid submission is 28 October 2026, up to 13:00 hrs.

Note: Bids shall be submitted only through the GeM portal.

Dr. Dhaval Thorat
DIRECTOR
NIPHTR, Mumbai-04

Specifications			
Sr. No.	Description of Items	Qty	Unit
1	Supply, Installation, Testing, and Commissioning of 86-inch 4K UHD interactive display (CreateBoard) with multi-touch, ips panel technologies functionality, built-in Android OS, wireless screen sharing, inbuilt speakers, and HDMI/USB connectivity 3.2Anti-Glare Panel with 8GB RAM and 64GB storage Octa Core A73x4+ A53x4 Processor, 8GB RAM, 64GB Internal Memory, Mail G52MP8, Inbuilt Bluetooth 5.3, WiFi, OPS Slot with Built-in power, USB Block, Buil in Mic.,flash memory 64 GB, Android14(EDLA), Booting Logo Image, PIP and PBP for Multi Screen Share, DMS software option from same OEM of display, Screen Share (Able to connect and show upto 9 devies wirelessly on screen), Whiteboard (Educational templates and teaching tools such as a ruler, table, and sticky notes, allowing for active engagement by students and enabling intuitive classes), Resources can be saved and imported directly to and from Google Drive or OneDrive, and files can be imported from a USB drive (Users can browse resources saved on USB storage)., Screen Lock, color gamut minimum72%, 50 touches supported in Android along with multiple apps such as Note, Screenshare, browser finder, should have Built-in Speaker (20W x 2CH+20W) with Min brightness less of 440 units and 1200:1 contrast ratio and dynamic ratio shall be 5000:1 Panel should have USB C port for screen presentation, WiFi, bluetooth, RJ45 ports, touch control and Multiple screens not less than 5 should be able to be presented on the display using Miracast functionality from any device. Display with Display Management Software to manage display from anywhere in the network including suitable size wall/floor stand with hardware for fixing as desired. With i5 12th gen 8gb RAM 256gb SSD Wifi bt dos OPS, Google EDLA certified- Google Service (Playstore, GMS, Google account)	4	Nos
2	Supply, Installation, Testing, and Commissioning of Wall mounted Speakers 6 InchTweeter Type : Mylar DomeTweeter Size : 1 InchFrequency Response : 100-20 KhzSensitivity(1M/1W) : 88±3dBImpedance : 8 OhmsPower RM : 50 Watts with hardware and brakets etc as required	8	Nos
3	Supply, Installation, Testing, and Commissioning of 100*2 Watts Class D Mixer with Amplifier with Bass,treble Equalizer 2 Balance Phantom Microphone Inputs with XLR 1 Unbalanced Microphone Phono Input RS232 connection for controller	4	EACH
4	Supply, Installation, Testing & Commissioning Digital wireless handheld and lapple Microphone with UHF transmission greatly enhances range, reliability and scalability of 56 MHz Bandwidth that will allow for up to 90 channels Up to 2,240 selectable frequencies with Mobile App streamlines setup and operation and eliminates complicated menus and Automated setup creates reliable connections with minimal time and effort ,Preserves every detail of even the most dynamic performances with 134 dB transmitter dynamic range Lithium Ion battery pack delivers up to 12 hours of operation (up to 8 hours of operation with AA batteries) with Transducer principle dynamic with Pick-up pattern cardioid, Sound pressure level 154 dB SPL, Transmit power (radiated) Audio link: 10 mW ERP (Range Y1-3: 12 mW ERP) BLE: max. 10 mW EIRP etc as required. (2 HANDHELD +2 LAPPLE)	4	SET
5	Supply, Installation, Testing & Commissioning of Digital Podium (E Podium) Body : Metallic Top : Metallic Top Sliding Mechanism Provision for Monitor (up to 13-15 inches) Electronic Monitor if required. LED Resolu on : 1920 x 1080 PC Connec on : USB Port Luminosity : 200-300 cd/m2 Input : HDMI, Number of Colours : 17M Response me : 4-6ms Contrase ra o : 1000/1 Opera ng System : Windows, Linux, Mac. Input Voltage : DC 12V Power : 100 – 250V AC : 100 – 250V AC.	1	No
6	Supplying and drawing of PVC insulated copper conductor speaker cable in the existing surface / recessed PVC conduit of following pairs, cores and size including connections and interconnections etc. as required. Speaker cable 2-core, 1.5sqmm	350	meter
7	Suppling and drawing 2 core 2.5 sq.mm audio cable shielded and protected with PVC sheath in the existing surface / recess steel/PVC Conduit/ PVC trunking etc as required.	150	meter
8	SITC of HDMI 5 to 20 Mtr cable -Ideal for HDTV 1080p, To transmit high definition picture & digital sound,Suitable for standard DVD and Display etc as required	8	each

Detailed specifications for 86" Interactive Panel		
S. No.	Parameters	Specifications
1	Screen Size	86"
2	Panel Technology	IPS
3	Touch type	IR
4	Back Light Type	Direct LED
5	Aspect Ratio	16:9
6	Native Resolution	3840x2160 (UHD)
7	Refresh Rate	60Hz
8	Brightness	440nits
9	Contrast Ratio	1,200:1
10	Dynamic CR	5000:1
11	Color gamut	NTSC 72%
12	Color Depth	1.07B(10bit)
13	Viewing Angle(H x V)	178°(H/V)
14	Response Time	8ms
15	Surface Treatment(Haze)	Haze 25%
16	Life time	50000 Hours (L30)
17	Operations hours(Hours/Day)	16/7
	Connectivity	
18	Input	3x HDMI, Audio In, RS232C, LAN, RGB (1, VGA), DP-In 5x USB3.0 Type A, 1x USB 2.0 Type A, 2x USB Type-C
19	Output	HDMI, Audio x1, Optical Audio, 3x Touch USB, LAN
	Mechanical Specification	
21	Bezel Color	Black
22	Bezel Width	15/15/15/44mm(T/R/L/Bottom)
23	Monitor Dimension(W x H x D)	1957x1171x100mm
24	Wall Mount Interface	800×600mm(VESA Standard)
	Touch	
25	Response Time	<=5ms
27	Protection Glass Thickness	3.2mm (Anti Glare)
28	Operating System Support	Windows 7/8/10/Linux/Mac/Chrome
29	Multi Touch Point	Max 50 Points
	Key Feature	
30	HW	Octa Core A73x4+ A53x4 Processor, 8GB RAM, 64GB Internal Memory , Mail G52MP8, Inbuilt Bluetooth 5.3, WiFi, OPS Slot with Built-in power, USB Block, Buil in Mic.
31	SW	Android14(EDLA) , Booting Logo Image, PIP and PBP for Multi Screen Share, DMS software option from same OEM of display, Screen Share(Able to connect and show upto 9 devies wirelessly on screen), Whiteboard(educational templates and teaching tools such as a ruler, table, and sticky notes, allowing for active engagement by students and enabling intuitive classes), Resources can be saved and imported directly to and from Google Drive or OneDrive, and files can be imported from a USB drive (Users can browse resources saved on USB storage)., Screen Lock, Google EDLA certified- Google Service (Playstore, GMS, Google account)

	Environment Conditions	
32	Operation Temperature	0 °C to 40 °C
33	Operation Humidity	10% ~90%RH
	Power Consumption	
34	Typ.	235W
35	Max.	400W
36	Power Supply	100-240V~ 50/60Hz
	Sound	
37	Speaker	20W x 2 + 20W
	Certification	BIS, ERP/Energy Star
40	Warranty	3 Yrs on site warranty
41	All in one Interactive Display Manufacturer Pre-Qualification (Valid documentary proof required)	Manufacturer of All in one Interactive Display should have valid Manufacturing Licence ,PF Registration, PAN & GST registration certificate
		Manufacturer of All in one Interactive Display should have at least One Direct Service Centers in Mumbai Metropolitan Region with Shop licence and GSTN copy as proof with Skilled manpower, with toll free Number for Call logging.
		Manufacturer of All in one Interactive Display should have valid ISO Certificate
		Manufacturer of All in one Interactive Display should have minimum average turnover of 1.4 Cr in last 3 financial years in India from All in one Interactive Display,TV,Display Panels segment (55" Size of above) (BL/CA Certify letter required)
		Manufacturer of All in one Interactive Display should have experience of supply Interactive Panel through partners in any State/Central Government,PSU project from the last 3 years (PO/LOI/Work Order Copy required as proof)