



INDIA LITERACY BOARD

LITERACY HOUSE, LUCKNOW

**India Literacy Board, Literacy House, Kanpur Road, Manas Nagar,
Lucknow-226023**

Telephone:(0522)2470268 Email: directorilbko@gmail.com

Website:www.indialiteracyboard.org

-: Name of Work :-

**Competitive Bidding for Supply, installation, testing and commissioning of
Smart Boards for Class Rooms of Welfthy Fisher Children's Academy in the
India Literacy Board, Literacy House, Kanpur Road, Lucknow.**

Bid Reference: NIT/Smart Board/ILB/2023

Date:.....

Bid submission start date & time : 28-08-2023 10:00 AM

Last Date and Time for Submission of Bids : 20-09-2023 03:00 PM

Date and Time of Opening of Technical Bids : 20-09-2023 03:30 PM

Place of Opening of Bids : India Literacy Board, Literacy House, Kanpur Road, Manas Nagar, Lucknow-226023,

Estimated Cost of the work : **Rs. 35.00 Lakh**

Earnest Money to be deposited : **Rs. 3,50,000.00 (10%).**

Address for Communication : India Literacy Board, Literacy House, Kanpur Road, Manas Nagar, Lucknow-226023,

TENDER NOTICE

Tenders are invited for Supply, installation, testing and commissioning of Smart Boards for Class Rooms of Welfthy Fisher Children's Academy in India Literacy Board, Literacy House, Kanpur Road, Manas Nagar, LUCKNOW.

Sl.No.	Item	Technical bid opening date and time	Financial bid opening date and time
	Tenders are invited for Supply, installation, testing and commissioning of Smart Boards for Class Rooms of Welfthy Fisher Children's Academy in India Literacy Board, Literacy House, Kanpur Road, Manas Nagar, LUCKNOW.	20-09-2023 03:30 PM	Will be intimated after opening and evaluation of Technical Bids.

The details of submission of bids along with eligibility, date & time, opening of technical/Financial bids, experience and other terms & conditions will be available in tender documents. **Tender documents will be available in the Office of the Director, India Literacy Board, Literacy House, Kanpur Road, Lucknow at the price of Rs.2,000/- (Two Thousand only) during the timelines as mentioned in the following Table.** It can also be seen and studied at the official website of India Literacy Board- www.indialiteracyboard.org

The interested Bidders can purchase the Tender Document by paying the above mentioned amount accordingly. The detailed terms and conditions are given in Tender document. The India Literacy Board, Literacy House reserves the right to reject or cancel any or all bids or annul the whole Bidding process without assigning any reason to bidders; and the decision of India Literacy Board, Literacy House will be final & binding.

(Sandhya Tewari)
Director,
India Literacy Board
Lucknow.

INVITATION FOR BIDS

1. Bidders are advised to study the tender Document carefully before submission of Bid. Submission of tender shall be deemed to have been done after careful study and examination of the procedures, terms and conditions of the tender Document with full understanding of its implications.
2. Tender documents will be available in the Office of the Director, India Literacy Board, Literacy House, Kanpur Road, Lucknow at the price of Rs.2,000/- (Two Thousand only) during the timelines as mentioned in the following Table :-

a)	Date of publication of Tender Notice & availability of Tender Document	Tender Notice has been published at the official website of India Literacy Board- www.indialiteracyboard.org and also in the leading daily news papers. Tender Document will be available from dated 28-08-2023, 10:00 AM till dated 20-09-2023, 3:00 PM
(b)	Bid submission start date & time	Start date 28-08-2023 at 10:00 AM
(c)	Bid submission end date & Time	End date 20-09-2023 at 03:00 PM
(d)	Technical Bid opening date & time	20-09-2023 at 03:30 PM
(e)	Financial Bid opening date & time (Only of technically qualified bidders)	Will be notified later. (after evaluation of Technical Bids)
(f)	Venue of opening of technical & financial Bids	India Literacy Board, Literacy House, Kanpur Road, Manas Nagar, LUCKNOW
(g)	Contact officer	Name: Mr. Anoop Kumar Srivastava, OSD, India Literacy Board, Kanpur Road, Lucknow. Phone-9415322233.

1. The bidders will have to deposit Rs. 3,50,000.00 (Three Lakh & Fifty Thousand) as Earnest Money Deposit in favour of "Director, India Literacy Board, Literacy House, Kanpur Road, Lucknow" in the form of FDR/ Bank Draft/Irrevocable Bank Guarantee along with the Technical Bid (which can be adjusted later in the amount of Performance Guarantee, in case the Work is awarded). This is mandatory; otherwise the Bid will be treated as "Non-Responsive" and will be rejected.
2. The Bids will be opened in the presence of bidder's representatives, who choose to attend at the venue, date and time mentioned in the above table. An authority letter of bidder's representative will be required to be produced.
3. The India Literacy Board, Literacy House, Kanpur Road Manas Nagar, Lucknow reserves the right to cancel any or all the bids without assigning any reason thereof. The decision of India Literacy Board, Literacy House will be final and binding.

4. In the event of date specified for Bids opening being declared a holiday for India Literacy Board, Literacy House then the due date for opening of Bids shall be the following working day at the appointed time and place.
5. The bidder is expected to examine all instructions, forms, terms and specifications in the Bid document. Failure to furnish all information required as per the Bid document or submission of "non-responsive Bid" shall be the bidder's risk and may result in rejection of the Bid in question.
6. The Bid prepared by the bidder, as well as all correspondence and documents relating to the Bid exchanged by the bidder and the Client (ILB) shall be written either in English or Hindi language.
7. **Technical Bid** - Technical Bid will comprise of:
 - Technical Specification of the Products
 - Copy of PAN card.
 - Copy of GST Registration certificate.
 - EMD of Rs.3,50,000.00 (Three Lakh & Fifty Thousand) in favour of "Director, India Literacy Board, Kanpur Road, Lucknow" in the form of FDR/ Bank Draft/ Irrevocable Bank Guarantee.
 - The service provider should have at least 03 years of experience including the current financial year 2023-24 in the Networking related works in the autonomous establishments or the State/ Central Governments.

Qualification Details – includes copies of required documents as per Technical Bid justifying that the bidder is qualified to perform the contract if his/her bid is accepted and that the bidder meets the criteria outlined in the Qualification Requirement and Technical Specification and fulfill all the conditions of the Contract justifying that the bidder is complying with all the conditions of the Contract and Technical Specifications of the Bid Document as no deviation will be acceptable to the Client (ILB).

Bid Form - The bidder shall purchase the Bid Form from the office of India Literacy Board and will complete the Bid Form as prescribed therein.

Bid Price -

1. The bidder shall quote the Price separately in the sheet file (BoQ). The Prices shall be quoted in Indian Rupees only.
2. The documentary evidence of bidder's qualification to perform the Contract shall be as per Qualification Requirements specified in the tender document.

Bid Submission -

Bids will be submitted in a big sealed envelope which will contain two separate sealed envelopes inside; one envelope will contain Technical Bid and the other envelope will contain Financial Bid.

Period of Validity of Bid

1. Bid shall remain valid up to 90 days after the date of Bid opening prescribed by the Client (ILB). Bid valid for a shorter period shall be rejected by the (ILB) as non-responsive.
2. In exceptional circumstances, the Client (ILB) may solicit the bidder's consent to an extension of the period of Bid validity. The request and the response thereto shall be made in writing. A bidder may refuse the request without forfeiting its Bid security. A bidder granting the request will not be required nor permitted to modify its Bid.

Sction II

TERMS & CONDITIONS OF TENDER

1. The Bidder will have to supply, install, test and commission all supplied products.
2. All hardware products will necessarily have a Warranty Period of 03 years.
3. It is mandatory to deposit EMD with the Technical Bid.
4. It is mandatory to attach the certificate of manufacturer Authorization of Main Components.
5. The bidder must have implemented minimum one same work in the autonomous establishments/ Central or State Governments in the last 3 years including the current financial year.
6. Vendors who are registered in UP MSME are exempted for EMD, turnover and past experience.
7. The bidder firm will have to attach Certificate of Goods & Service Tax (GST) registration along with tender documents.
8. Tender Document will not be accepted on photocopies/ Xerox.
9. If the bidder is found giving a bribe or any wrong information with the tender, his security deposit will be seized and the tender will be rejected.
10. After complete satisfaction of the India Literacy Board & keeping in view the interest of the institution, the decision will taken. India Literacy Board shall have the full rights to reject any bid submitted by the bidder or cancel the tender, without any reason, in the administrative interest, or to change the conditions or terminate any condition." Any tenderer/ bidder will not have any right to debate on doing so.
11. Any dispute between the Bidder Firms and Department, it will be subjected to Lucknow jurisdiction for its disposal.
12. The Bidder is agreed to adhere to the Terms & Conditions as mentioned above.

Signature

Bidder's Official Seal

BILL OF QUANTITY

Bill of Quantity for Smart Boards for Class Rooms

1	75" Interactive Board with OPS	Nos	18
2	PTZ Camera	Nos	3
3	1 KVA Online UPS with 20 min Backup	Nos	18
4	Android based K12 Content as per CBSE syllabus in Hindi & English Language (Annual Subscription Cost)	Nos	18
5	Speakers	Nos	36
6	Amplifier	Nos	18
7	Set of 1 handheld microphone and 1 lapel microphone with receiver	Nos	18
8	6U Rack	Nos	18
9	Required cable and other Accessories for Installation	Nos	18
10	Installation Testing and Commissioning	Job	1

Technical Specifications of Products

Technical Specifications for 75" Interactive Display

Feature	Descriptions
Interactive display:	
Screen size	75" or higher
Resolution	UHD 3840 × 2160 pixels or Higher
Brightness (typical)	500 nits or Higher
Contrast ratio (typical)	5000:1 or Higher
Response time	4 ms or Better
Light life (typical)	50,000 hrs or Higher
Smart Eye protection	Interactive display should have smart eye protection.
Glass :	
Hardness	4 mm tempered AG Glass or Better
Anti-glare coating	Interactive display should have Anti-glare coating
Touch screen :	
Touch technology	Infrared touch
Touch points	20 touch points or Higher
Touch response time	< 4 ms or Better
System :	
CPU	Quad core 1.9 Ghz or Better
Memory	4GB DDR3/DDR4 or Higher
Storage	32GB or Higher and expandable up to 512 GB
OS	Android 11.0 or Better
Input/Output ports :	
Input Ports (minimum)	3 × HDMI, 1x VGA, 1x Audio in, 1 x Slot-in PC (OPS) or Higher
Output Ports (minimum)	1x Audio out or Higher
USB Ports (minimum)	4 × USB 3.0 Type A, 1 × USB 2.0 Type A, 2 × USB Type B (touch) or Higher
Communication Ports (minimum)	1x RS232 In, 1 x RJ45 ethernet port or Better

Built-in peripherals:	
Speaker	Stereo Sound with in-built 25 Watt x 2 speakers and subwoofer of 20 watt
Magnetic pen holder	Should have inbuilt magnetic pen holder with up to two pens
Tutor friendly experience	Should have control buttons on Interactive display like Volume UP/Down, Home, Back, Menu, Touch on/off & Power Buttons for ease in teaching.
Quiz	Should have in built tool to allow participants to submit answers from their Smart Phones (Answering/Voting/Messaging)
Built in Wi-fi	Should have inbuilt Dual band Wi-fi (2.4 & 5Ghz)
Built-in Hotspot	Should have inbuilt Hotspot with internet sharing across the connected devices
Built-in Bluetooth	Should have inbuilt Bluetooth version 5.0 or latest
Stylus	Should have minimum 2 Nos of Stylus
Remote control	Should have remote control to operate the Interactive display
Software :	
Whiteboard Interactive Software	Should have inbuilt whiteboard software for teaching/ training using Interactive display with features like (Pen, thickness of pen, colours of pen, Pixels eraser and Region eraser, Shapes (Circle, Triangle, Rectangle, arrows), Background of White board (multiple colours also use picture, shape), Redo/Undo, Next/Previous, Select & Drag option, Switching between single touch and multiple touch, Clear screen, List of pages with deleting option, Switching tool bar right to left, Many other Tools (Compass, Protector, Insert Table, Calculator, Curtain, Timer, Calendar, Camera, Spotlight, Multiscreen (divide board in 2,3,and 4 parts with background colour and different pen colour), on screen annotation. Interactive software should be of the same OEM. Interactive software of the interactive Display should detect the Visual Presenter/ Visualiser and should be able to annotate on the image captured by the Visual Presenter/Visualiser.
Wireless screen sharing	Interactive display should allow user to share/mirror the content of Laptop/Desktop and mobile device(Android) wirelessly and should have Screen Share software to show up to 4 Multiple screen at same time.
Quick access tool	Floating Tool should be available on all screen for quick access tools and same should be customized as per user requirement.
Play Store Support	Should have Built in Google Play store to download applications direct from Play store
YouTube	Should have Built in YouTube application and should support up to 4K resolution.
Inbuilt Cloud drive	Interactive display should have inbuilt cloud drive access from Google drive & one drive
Software based Video conferencing	Device should support software based VC with internal android platform like Google meet, Cisco WebEx , Skype, Microsoft teams & zoom applications.

Multiple controlling menu	Should have Multi Controlling menu including Side menu, floating menu and pull up menu.
Gesture Control	Should have gesture control like Hold five fingers on screen for Interactive display sleep mode, hold and move three fingers on screen for Floating menu & swipe the screen Upside for Pull up menu control.
Split Screen	Interactive display should have inbuilt split screen user should be able to split the screen to operate multitask like play a video in half of screen and open whiteboard in other half side.
Smart USB Port	All USB 3.0 port should support Smart USB sharing for Android, Internal PC or other External PC / Device
Multilanguage GUI	Device should have GUI interface in both Hindi and English Language
Virtual Keyboard	Device should have inbuilt virtual keyboard with English to Hindi writing support.
Enhanced Security	Should have provision to lock all the USB port, Screen Lock, application lock to restrict unwanted access.
Touch On/Off Button	Should have provision for Touch On/Off on front of Display
Sound enhancement	Should have inbuilt Volume equalizer and surround sound support to enhance the sound quality.
Screen Recording	Should have built in Screen recording feature supports up to full HD resolutions or better
Screen Shot	Should have built-in screen shot option using single click
Power:	
Power	AC 100-240V 50/60Hz
Maximum Power Consumption	300 W or Better
Standby Power Consumption	<0.5 W or Better
Environment :	
Operating temperature	0°C ~ 45°C or Better
Operating Humidity	10% ~ 80% RH Non-Condensing or Better
Accessories	Wall mount Kit, 1x HDMI Cable (1.5 Meter), 1x USB A to B cable (1.5Meter), 1x Power Cable (1.5 Meter)
Certifications	BIS certification required
Technical Specifications for OPS	
Parameter :	Specifications
Type Detachable	PC module
CPU Intel Core	i5 10th Generation
RAM	8 GB or better
SSD	256 GB or better
Operating system	Windows10
I/O Ports	HDMI x 1, USB ports x 4, LAN Port x 1
Max Power	50W or less
Certifications	BIS certification required
Content :	
Android based K12 Content as per U.P. Board syllabus (from Class-I to Class-XII) in Bilingual Language (Hindi & English) and Audio in Hindi & English	

Technical Specification of Full HD PTZ Video Conferencing Camera	
Feature	Descriptions
Sensor	1/2.8", CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens	f3.5mm ~ 42.3mm, F1.8 ~ F2.8
Optical Zoom	5x or higher
Digital Zoom	10x or higher
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥55dB
Field of View	80 degrees or better
Horizontal Rotation Range	±170 degree
Vertical Rotation Range	Minus 30 degrees ~ Plus 90 degree
Pan Speed Range	2.7 degrees ~ 35 degrees per second or better
Tilt Speed Range	1.7 degrees ~ 31 degrees per second or better
H & V Flip	Support
Image Freeze	Support
Number of Pre-set	255, 10 pre-sets on Remote control
Pre-set Accuracy	0.1°
Video System	1080p/60, 1080p/50, 1080p/30, 1080p/25
USB Featured :	
Operate System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Colour System	YUY2 / H.264 / MJPEG
Video Format	YUY2 (ISOC): 1080P@60fps H.264 AVC/SVC: 1080P@60fps MJPEG: 1080P@60fps
Audio on USB	Support
USB Video Communication Protocol	UVC 1.1~1.5
IPC Features:	
Video	H.264/MJPEG
Video Stream	Main Stream, Sub Stream
Main Stream Resolution	1920x1080, 1280x720, 1024x576
Sub Stream Resolution	1280x720, 720x576, 320x240
Video Bit Rate	328Kbps ~ 20480Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
Audio	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Support protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast
Operational Requirement :	
Redundant Power Supply	Device should Support Minimum three power supply method for power redundancy Supports USB 5V power supply, 12V power adapter power supply and PoE power supply.

PoE Power Supply & Controlling	Device should Support PoE power supply for control, Video and audio only need one network cable.
Simultaneous Video Output	Device Should support HDMI,USB3.0 and LAN interface based Video output HD video at the same time.
Low Light	Device Should support High SNR of CMOS sensor, even under low illumination conditions, picture can still keep clean and clear.
Remote Control	All the parameters of the camera can be remote controlled by the high-speed communications
Input/Output Interface :	
Video Output	1xUSB3.0, 1x HDMI, 1x RJ45
Network Interface	1xRJ45: 10M/100M Ethernet Interface
USB Interface	1x USB 3.0 Type-C
Audio Interface	1-ch: 3.5mm Audio Interface Line In
Communication Interface	1xRS232 In, 1xRS485
Power Jack	JEITA type (DC IN 12V)
Generic Specification :	
Input Voltage	DC 12V, DC 5V, PoE(802.3af)
Current Consumption	12V - 1.0A(MAX) / 5V - 1.5A(MAX)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	12W (Max)
Certifications	BIS certifications required
50-Watt wall mount Speaker	
Parameter	Specifications
Speaker Type	2 Way drivers
Effective frequency range	80 Hz – 20 kHz
Rated power	50 watts
Sensitivity	90 dB or Better
Impedance	200Ω ohm
IP Rated	IP66 or better
LF transducer	5-inch woofer or better
HF transducer	1.5-inch tweeter or better
Mounting	With mounting bracket fixed by screw
150- Watt Audio Amplifier	
Parameter	Specifications
Amplifier	Class D
Rated Power	150 W or better
Impedence	MIC input: 5mV / 600Ω balanced; AUX1,2 input: 350mV / 10KΩ unbalanced RCA connection terminal
Mic Input	Minimum 4 input or better
Line Input	Minimum 2 input or better
Output	MIX OUT: 1000mV / 470Ω unbalanced RCA connector
Tone	Bass: ± 10dB at 100Hz; Treble: ± 10dB at 10KHz
Frequency Response	80Hz ~16KHz (+ 1dB, -3dB)
SNR	MIC1,2,3: 66dB; AUX1,2: 85dB
THD	< 0.05% (at 1KHz, 1/3 rated power)
Mute Function	MIC 1 is prior to MIC2-4, AUX1-2 audio input; EMC is prior to all audio inputs
Channel Crosstalk Attenuation	≥50dB

Heat Dissipation	Side-in and rear-out forced fan cooling; fan starts automatically when the device is turned on; infinitely variable speed
Protection	Overheat protection, overcurrent protection, short circuit protection
Power Supply	AC ~ 220V / 50Hz
Power Consumption	180W
4U Wall mount Rack	
Parameter	Specifications
Type of Racks	Rack Enclosures
Size of Server Rack Enclosure	4U
Depth of the Rack (mm)	Up to 500
Mount Type	Wall mount
Front glass Door	Should Available
Type of glass used in front door	Transparent Toughened Glass or better
Material used for rear door	CRCA Steel or better
Secure Locks	Should Available
Cable channel in rear side for cable management	Should Available
Load Bearing Capacity (Kgs)	55 kilogram or better
PDU Power Strips	Should Available

Wireless Microphone set with wireless receiver	
Parameter	Specifications
Microphone	One Lapel and One Hand Held Wireless Mic
Receiver	Dual Channel Non-Diversity
Frequency Response	40Hz-16kHz
Polar Pattern (Hand mic)	Cardioid
Output	Individual Channel: XLR, Mix out: ¼" Jack
Channels	200 Selectable UHF Channels
Channel Control	Individual channel output with level control & mix output
Pairing	Easy setup of the system with Infra Red
Frequency Identification	Back light display for Frequency Identification
Power Req. (Hand mic)	2 x 1.5V AA
Receiver	240V AC 50Hz for AC Adaptor Supplied with the set

1 KVA UPS

Input Voltage	220/230/240Vac
Voltage Range	140~300Vac
Output Voltage	±10%
Battery Voltage	12 Volt DC
Battery Type & Number	12 V / 7Ah x 2
LED Display(LED version)	AC Mode, Battery Mode, Overload, Fault
Full Protection	Short circuit, Overload , Overcharge and overdischarge protection
Alarm	Short circuit, Overload , Overcharge and over discharge protection

Important Note: All Hardware Components will have at least 03 years Warranty period.

Price Bid (On Bidder's Letter Head)

Sl.No.	Product Description	Unit	Qty	Unit Price (in INR)	Total Price (in INR)
1	75" Interactive Board with OPS	Nos	18		
2	PTZ Camera	Nos	3		
3	1 KVA Online UPS with 20 min Backup	Nos	18		
4	Android based K12 Content as per CBSE syllabus in Hindi & English Language (Annual Subscription Cost)	Nos	18		
5	Speakers	Nos	36		
6	Amplifier	Nos	18		
7	Set of 1 handheld microphone and 1 lapel microphone with receiver	Nos	18		
8	6U Rack	Nos	18		
9	Required cable and other Accessories for Installation	Nos	18		
10	Installation Testing and Commissioning	Job	1		
11	Applicable GST @%.....				
Grand Total amount with GST					

Signature

Bidder's Official Seal