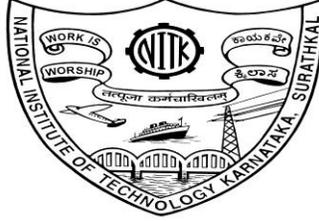


NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
POST SRINIVASNAGAR, MANGALORE – 575 025 (D K)

Phone: (0824) 2474000.
E- mail: info@nitk.ac.in

Fax: (0824) 2474033
Website: <http://www.nitk.ac.in>



NOTICE INVITING QUOTATION

Notification. No: NITK/CSE/IRG/2024-25/Smart_Board/157/04

Date: 17-02-2025

Name of Goods	Smart Board for Interactive Learning, Flat Panel
Estimated Amount	Rs. 5 Lakhs
EMD Amount (2% of estimated amount) (Applicable for estimate above 2.5 lakhs)	Rs. 10,000.00
Time for Supply of item after release of Purchase order	21 Days
Document Download / Sale Start Date	18-02-2025, 03:00 PM
Clarification Start Date	18-02-2025, 03:00 PM
Clarification End Date	26-02-2025, 03:00 PM
Bid Submission Start Date	18-02-2025, 03:00 PM
Last Date for submission of bids	04-03-2025 before 3.00 PM
Bid Opening Date	05-03-2025, 11:00 AM
Address for Submission of bids	Mr. Pradeep D Technical Officer, Dept. of Computer Science & Engineering NITK- Surathkal, P.O. Srinivasnagar, Mangalore-575025 Dakshina Kannada District, Karnataka, Contact No.: 0824-2473173 E-mail:pradeepd@nitk.edu.in



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Notification. No: NITK/CSE/IRG/2024-25/Smart_Board/157/04

Date: 17-02-2025

NOTICE INVITING QUOTATION (NIQ)

The National Institute of Technology Karnataka, Surathkal (in short – NITK, Surathkal) is an Institute Of National Importance Under Ministry of Education Govt of India, imparting Technical Education and engaged in Research Activities. It is proposed to procure the items for the departmental academic/research activities.

Sealed Quotations as per the Price Schedule given in this NIQ are invited for the following items subject to the terms and conditions, from the reputed manufacturers or its authorised dealers so as to reach on or before scheduled date and time. The quotations in the firm's Business letter head should be address to the "Director, NITK, Surathkal". The envelope shall be superscribed with the Quotation Notification Number and the Name of the Goods for which quotation is submitted.

Name of Goods	Smart Board for Interactive Learning, Flat Panel
Estimated Amount	Rs. 5 Lakhs
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Bid Submission Start Date	18-02-2025, 03:00 PM
Last Date for submission of bids	04-03-2025 before 3.00 PM
Bid Opening Date	05-03-2025, 11:00 AM

Sd/-

Head of the Department, CSE

Note: Institute shall not be responsible for any postal delay about non-receipt /non-delivery of the bids or due to wrong addressee.

SECTION-1
Terms and Conditions

1. The rates should be quoted for preferably FOR destination from supply within India.
2. The bidder shall indicate the excise duty exemption for the goods if applicable.
3. The rate quoted should be on unit basis. Taxes and other charges should be quoted separately, considering exemptions if any. The rate should be quoted in INR only
4. Rate quoted should be inclusive of Testing, commissioning and Installation of equipment and Training.
5. Payment: No advance payment will be made. Payment will be made only after the supply of the item in good and satisfactory condition and receipt of performance security by supplier.
6. Guarantee/Warranty period should be specified for the complete period should be specified in section 3 of this tender document.
7. Period requirement for the supply and installation of item should be specified in section 3 of this tender document.
8. In case of dispute, the matter will be subject to Mangalore Jurisdiction only.
9. **Delivery Period:** The Delivery Period/Time shall be deemed to be the essence of the Contract and delivery must be completed not later than such date(s). If the Supplier does not perform its obligations within the Delivery Period/Date mentioned in the Contract, the same would constitute the breach of the Contract and the Institute shall have the right to cancel or withdraw the Contract for the unsupplied portion after the expiry of the original or extended delivery date or period stipulated in the Contract. Such cancellation of the contract on account of non - performance by the Supplier would entitle the Buyer to forfeit the EMD/Performance Security besides other actions such as debarment from the Institute as per GFR 2017.
10. **Liquidated Damages:** Timely delivery is the essence of the contract and hence if the Supplier fails to deliver Goods within the original/extended delivery period(s) specified in the contract, the Institute will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions aforesaid, **@ 1% per week or part of the week of the delayed period** as pre-estimated damages not exceeding 5% of the contract value without any controversy/dispute of any sort whatsoever.
11. The bidder needs to comply with restrictions under rule No 144 (xi) of GFR (General Financial Rules) 2017 and the clause pertaining to Public Procurement Division Order (Public Procurement no 1,2 & 3 vide ref. F.No.6/18/2019-PPD dated 23.07.2020 and 24.07.2020 of Dept of Expenditure (DOE), Ministry of Finance). In this Connection Bidder has to submit Self Certification (as per Annexure A or B), depending on the status of the bidder.
12. The bidder needs to submit a Self-certification in line with Make in India, Public Procurement Order No. P-45021/2/2017-BE-II dt. 15.06.2017, P 45021/2/2017-PP (BE-II) dated 28.05.2018, P-45021/2/2017-PP (BE-II) dated 29.05.2019 and P45021/2/2017- PP (BE – II) dated 16.09.2020 of DPIIT, Ministry of Commerce & Industry.

The Bidder who will not meet this criterion will be rejected in the technical bid. The Self-certification should be provided as per Annexure C.

13. EMD must be in the form of Bank Guarantee **Annexure-D** (Fixed Deposit Receipt/Insurance surety bonds/DD/e-Payment mode (through Credit/Debit cards / Net Banking). It will be valid for 180 days from the date of opening of the tender. In case of EMD payment made through E-Payment, UTR Number with details should be uploaded. The firm registered with MSME/NSIC as per MSME procurement policy order 2012 will be exempted from submission of EMD. Intended parties will have to give proof of registration along with their tender. EMD of the unsuccessful bidders shall be refunded without any interest at the earliest after finalization of the purchase of the concerned item.
 - a. The EMD will be returned to the BIDDERS(s) whose offer is not accepted by NITK within one month from the date of the placing of the purchase order(s) on the selected BIDDER(s). In the case of the BIDDER(s) whose offer is accepted the EMD will be returned on submission of Performance Security in the form of Bank Guarantee (BG). However, if the return of EMD is delayed for any reason, no interest/penalty shall be payable to the Bidders.
 - b. The successful BIDDER, on the award of contract/order, must send the contract/order acceptance in writing, within 15 days of award of contract/order failing which the EMD will be forfeited.
 - c. The EMD shall be forfeited in case a successful BIDDER fails to furnish the Performance Security.
 - d. Bidder should prepare the EMD as per the instructions specified in the tender document. The original EMD should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission as specified in the tender documents. The details of the BG/DD/FD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise, the uploaded bid will be rejected.
14. **Performance Security:** The successful bidder shall deposit performance security of 3% of the quoted price in the form of Bank Guarantee (**ANNEXURE-E**) of any scheduled bank drawn in favour of **The Director, NITK Surathkal, Mangaluru** payable at Mangaluru. In case the bidder fails to deposit the said Performance Security within the stipulated period, including the extended period if any, the Earnest Money Deposited by the bidder shall be forfeited automatically without any notice. Please note the following points:
 - a. **Successful bidder should submit performance Security as prescribed above to the purchase Section, NITK Surathkal, on or before 30 days from the date of issue of order acknowledgment.**
 - b. Performance Security shall be for the due and faithful performance of the contract and shall remain binding, notwithstanding such variations, alterations for extensions of time as may be made, given, conceded, or agreed to between the successful bidder and the purchaser under the terms and conditions of acceptance to tender.

c. The successful bidder is entirely responsible for the due performance of the contract in all respects according to the terms and conditions of the tender.

d. The validity of the Performance Security must cover the warranty period plus two months.

15. Abnormally quoted low bid will be liable for rejection as per the OM No.F.12/17/2019-PPD of Department of Expenditure, Ministry of Finance dated 6th February 2020.

16. The buyer reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

17. ****Disclaimer**** Bidders are advised to exercise caution and not respond to any unknown calls, emails, or embedded links requesting payment for participating in the tender or for any other purpose. Please note that NITK Surathkal never asks for any tender fee for participation in tenders or bids.

SECTION-2
SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS

[To be filled up by the Department / Centre of NITK, Surathkal]

Item(s) Name to be Procured	: Smart Board for Interactive Learning Flat Panel
Brief Specifications of the Item(s) (Annexure-F)	: As per Annexure-F
Quantity	: 02 No.s
Any other details / requirement	: Nil
Warranty Period required	: 03 Years
Delivery Schedule expected after placement of Purchase order (in Weeks)	: 03 weeks
Performance Security to be given by Successful Bidder after release of Purchase Order (in Rupees) (applicable for estimate Above 2.5 lakhs)	: 3% of Purchase Order

**SECTION 3
PRICE SCHEDULE**

[To be used by the bidder for submission of the quotation]

-
1. Item Name :
 2. Specifications
(Conforming to Schedule of requirements
Enclose additional sheets if necessary) :
 3. Currency and Unit Price :
 4. Quantity :
 5. Item Cost (Sl No. 3 * Sl. No. 4) :
 6. Taxes and Other Charges :
(i) Specify the type of taxes and duties
in percentages and also in figures.
(ii) Specify Other Charges in figures.
 7. **Warranty Period** :
**(Conforming to the Schedule of
requirements)**
 8. Delivery Schedule :
(Conforming to the Schedule of requirements)
 9. Name and address of the Firm for
placing purchase order :
 10. Name and address of Indian authorized
agent (in case of imports only) :

Signature of the Bidder: _____

Name and Designation: _____

Business Address : _____

Place:

Date:

Seal of the Bidder's Firm

SECTION 4
CONTRACT FORM

[To be provided by the bidder in the business letter head]

1. (Name of the Supplier's Firm) hereby abide by the delivery schedule mentioned in this document for supply of the items if the purchase order is awarded.
2. The item will be supplied conforming to the specifications stated in this document without any defect and deviations.
3. Warranty will be given for the period mentioned in this document and service will be rendered to the satisfaction of NITK, Surathkal during this period.

Signature of the Bidder: _____

Name : _____

Business Address : _____

Place :

Seal of the Bidder's Firm

Date :

Annexure-A

**(Compliance to be submitted in the bidder's letterhead)
(Applicable for estimate above 2.5 lakhs)**

Sub: Compliance to Government of India order OM No.6/18/2019-PPD dated 23.07.2020 & 24.7.2020 regarding restrictions under Rule 144 (XI) of the General Financial Rules (GFRs), 2017

Item Name:	
Enquiry No.:	

We M/s. _____ (name of the bidder company) have read the clauses pertaining to the Department of Expenditure's (DoE) Public Procurement Division Order (Public procurement no 1,2 & 3 vide ref. F.No.6/18/2019-PPD dated 23.07.2020 & 24.7.2020) regarding restrictions on procurement from a bidder of a country that shares a land border with India.

We hereby certify that **we are not from such a country** and eligible to be considered for this tender.

(Note: Non-compliance of above said Gol Order and its subsequent amendment, (if any), by any bidder(s) shall lead to commercial rejection of their bids by NITK)

For and behalf of _____ (Name of the bidder)

(Signature, date & seal of an authorized representative of the bidder)

Annexure-B

**(Compliance to be submitted in the bidder's letterhead)
(Applicable for estimate above 2.5 lakhs)**

Sub: Compliance to Government of India order OM No.6/18/2019-PPD dated 23.07.2020 & 24.7.2020 regarding restrictions under Rule 144 (XI) of the General Financial Rules (GFRs), 2017

Item Name:	
Enquiry No.:	

We M/s. _____ (name of the bidder company) have read the clauses pertaining to the Department of Expenditure's (DoE) Public Procurement Division Order (Public procurement no 1,2 & 3 vide ref. F.No.6/18/2019-PPD dated 23.07.2020 & 24.7.2020) regarding restrictions on procurement from a bidder of a country which shares a land border with India.

We are from such a country which shares a land border with India & have been registered with the Competent Authority as specified in the above-said order. We hereby certify that we fulfill all requirements in this regard and are eligible to be considered.

Evidence of valid registration by the Competent Authority is attached.

(Note: Non-compliance of above said Gol Order and its subsequent amendment, (if any), by any bidder(s) shall lead to commercial rejection of their bids by NITK)

For and behalf of _____ (Name of the bidder)

(Signature, date & seal of an authorized representative of the bidder)

Self-Certification on the letterhead of the company
(Applicable in case where the estimated/ offered value is above 5 lakhs)

In line with Government Public Procurement Order No. P-45021/2/2017-BE-II dt. 15.06.2017, P-45021/2/2017-PP (BE-II) dated 28.05.2018, P-45021/2/2017-PP (BE-II) dated 29.05.2019 and

P-45021/2/2017-PP (BE-II) dated 16.09.2020, we hereby certify that

.....
(Supplier name) are local supplier meeting requirement of minimum local content % defined in as above orders for the material against Enquiry / Tender No
.....
.....
.....

Details of the location at which local value addition will be made are as follows:

.....
.....
.....

We also understand false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permitted under law.

Date:
Place:

Signature:
Name and Designation:
Mobile no:
Office
Telephone No:
Email ID:
Office Seal:

FORMAT FOR EARNEST MONEY DEPOSIT / BID BOND

(Applicable for estimate above 2.5 lakhs)

(To be typed on Non-judicial stamp paper of value Indian Rupees Five Hundred)

(TO BE ESTABLISHED THROUGH ANY OF THE NATIONAL BANKS (WHETHER SITUATED AT MANGALURU OR OUTSTATION) WITH A CLAUSE TO ENFORCE THE SAME ON THEIR LOCAL BRANCH AT MANGALURU OR ANY SCHEDULED BANK (OTHER THAN NATIONALISED BANK) SITUATED AT MANGALURU. BONDS ISSUED BY COOPERATIVE BANKS ARE NOT ACCEPTED)

LETTER OF GUARANTEE

To
Director,
National Institute of Technology Karnataka,
Srinivasnagar P.O., Surathkal
Mangaluru – 575025

IN ACCORDANCE WITH YOUR TENDER for the supply of,
M/s..... (hereinafter called the "Bidder") having its Registered Office at
....., wish to participate in the said bid for the
supply.....as an irrevocable
Bank Guarantee against Earnest Money Deposit for an amount of Rs.
(Rupees.....) valid up to **(180 days from the date of issue of Bank Guarantee)**, is
required to be submitted by the bidder as a condition precedent for participating in the said bid,
which amount is liable to be forfeited by the Purchaser on (1) the withdrawal or revision of the offer
by the bidder within the validity period, (2) Non acceptance of the Letter of Intent/Purchase order
by the Bidder when issued within the validity period, (3) failure to execute the contract as per
contractual terms and condition within the contractual delivery period and (4) on the happening of
any contingencies mentioned in the bid documents.

During the validity of this Bank Guarantee:

We,(Bank name) having the registered office at.....guarantee
and undertake to pay immediately on first demand by NITK Surathkal, an amount of
Rs..... (Rupees.
.....) without any
reservation, protest, demur and recourse. Any such demand made by theNITK Surathkal shall be
conclusive and recourse. Any such demand made by the purchaser shall be binding on the Bank
irrespective of any dispute or difference raised by the Bidder.

The Guarantee shall be irrevocable and shall remain valid up to.....(180 days from the
date of issue of Bank Guarantee) If any further extension is required, the same shall be extended
to such required period on receiving instruction from the Bidder, on whose behalf the is Guarantee
is issued.

Notwithstanding anything contained herein:

* Our liability under this Bank Guarantee shall not exceed Rs..... (Rupees.....).

- * This Bank Guarantee shall be valid up to.....(date).
- * We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee Only and only if you serve upon us a written claim on or before(date).

This Bank further agrees that the claims if any, against this Bank Guarantee shall be enforceable at our branch office atsituated at(Address of local branch).

Yours truly,

Signature and seal of the guarantor: Name of Bank:

Address:

Date:

Instruction to Bank: Bank should note that on expiry of Bond Period, the Original Bond will not be returned to the Bank. The bank is requested to take appropriate necessary action on or after the expiry of the bond period

FORMAT FOR PERFORMANCE GUARANTEE BOND
(To be typed on Non-judicial stamp paper of the value of Indian Rupees of Five Hundred)
(Applicable for estimate above 2.5 lakhs)

To,
Director,
National Institute of Technology Karnataka,
Srinivasnagar P.O., Surathkal
Mangaluru – 575025

Whereas..... (name and address of the contractor)
(hereinafter called “the contractor”) has undertaken, in pursuance of contract no
date..... to supply (description of goods and Works/ Services) (hereinafter
called “the contract”).

And Whereas you have stipulated it in the said contract that the contractor shall furnish you with a
bank guarantee by a Commercial bank for the sum specified therein as security for compliance
with its obligations as per the contract;

And Whereas we have agreed to give the contractor such a bank guarantee.

Now Therefore we hereby affirm that we are guarantors and responsible to you, on behalf of the
contractor, up to a total of(amount of the guarantee
in words and figures), and we undertake to pay you, upon your first written demand declaring the
contractor to be in default under the contract and without cavil or argument, any sum or sums
within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show
grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the contractor before
presenting us with demand.

We further agree that no change or addition to or other modification of the terms of the contract to
be performed thereunder or of any of the contract documents which may be made between you
and the contractor shall in any way release us from any liability under this guarantee, and we
hereby waive notice of any such change, addition, or modification.

This guarantee shall be valid until theday of20.....

Our.....branch at.....*(Name & Address of the
.....*(branch) is liable to pay the guaranteed amount depending on the filing of a
claim and any part thereof under this Bank Guarantee only and only if you serve upon us at our
.....* branch a written claim or demand and received by us at our*
branch on or before Dt..... otherwise, the bank shall be discharged of all liabilities under this
guarantee after that.

(Signature of the authorized officer of the Bank)

.....

.....

Name and designation of the officer

.....

Seal, name & address of the Bank and address of Branch

*Preferably at the headquarters of the authority competent to sanction the expenditure for the procurement of goods or at the concerned district headquarters or the state headquarters.

Annexure-F

Detailed Technical Specifications for Smart Board for Interactive Learning Flat Panel

	Quantity	02 No.s	
	Make and Model	To be specified by the bidder	
	Warranty	03 Years Onsite Comprehensive warranty including physical damage	
Sl. No	Description	Specifications	
1	Display	Size	86 inches
		Panel Type	VA/IPS/ADS
		Back Light Unit	Direct LED
		Response Time	≤6.5ms or better
		Aspect Ratio	16:09
		Display Area (HxV)	≥1895.04(H) × ≥1065.96(V) mm
		Pixel Pitch	0.4935(H)×0.4935(V)mm or Lesser
		Resolution	3840×2160 or better
		Refreshing Frequency	60Hz
		1	1.07B
		Bit Rate	≥ 10bit
		NTSC Gamut	72%
		Contrast Ratio	5000:1 or better
		Viewing Angle	178°(H/V)
		Brightness with glass(min)	400 cd/m ² or better
		Brightness with glass(typ)	450 cd/m ² or better
		Life Time	≥50,000 Hours or better
2	Operating System	System Version	Android 14.0 (Google EDLA Certified) or better
		RAM	8GB or More
		ROM	128GB on board or More
		CPU	ARM Core Cortex-A73 x 4 or better
		GPU	Mali G52MC1
3	Touch System	Sensing Type	Infrared Recognition
		Touch Recognition	Finger, Passive infrared pen
		Accuracy	±1.5mm

		Touch Point	40
		Writing Point	20
		Minimum object Size	3mm
		Writing Height	≤2mm
		Interpolation Resolution	32768 (H) × 32768 (V)
		Supporting OS	Windows10/Windows8/Windows7/Windows XP/Linux/Mac OS X/Android/Chrome
4	Audio	Audio Output	2
		Output Power	≥16W x 2 (Typ), ≥20W x 2 (Max)
5	Power	Power Supply	100-240V~50/60Hz
		Power Consumption (Standard/Typical/Max)	≤85/245/400W
		Standby Power	≤0.5W
6	I/O Interface	HDMI IN	3
		HDMI OUT	1
		USB 2.0	2
		USB Player (Media) type-C	2
		USB 3.0	3
		TOUCH OUT	3
		VGA IN	1
		DP IN	1
		AUDIO/MIC IN	1
		AUDIO OUT	1
		SPDIF	1
		RS232	1
		RJ45 IN	1
		RJ45 OUT	1
		Expansion Slot	TF Card Slot for up to 256 GB additional storage or better
7	Physical Specifications	Dimension (L×H×D)	1957×1159.9×97.4 or Better
		Package Dimension (L×W×H)	2110×225×1291mm or Better
		VESA	800×600mm or equivalent
		Net Weight	53.55Kg or Lesser
		Gross Weight	63.75Kg or Lesser
8	Accessories	Power Cord	1
		HDMI Cable	1

		USB Touch Cable (Type A-B)	1
		Remote Control	1
		Fixed Wall Mount Bracket	1
		Wifi/Bluetooth Module	1 (Detachable)
		Writing Pen	2
9	Environmental Conditions	Operation Temperature	0°C~40°C
		Operation Humidity	10%~90%RH
		Storage Temperature	-20°C ~ 60°C
		Storage Humidity	10%~90%RH
		Altitude	≥5000 meter
10	Optional PC Module	PC Module	80 Pin EU with Built-in Power Receiver
11	Certification	BIS, RoHS, CE, FCC	

SI.No	Features Required
1	The Interactive Flat Panel Display should have an intuitive interface that allows individuals and teams to easily interact with it without a steep learning curve. The whiteboard application must support effortless note creation, editing, and organization with touch gestures.
2	The display must support real-time collaboration, enabling multiple users to work simultaneously on the same content to foster teamwork and innovation.
3	A diverse set of drawing tools is essential for freehand sketches, precise diagrams, and other creative needs of tutors. The tools should allow customization of colours, pen thickness, and styles to ensure clarity.
4	The IFPD must allow seamless integration of multimedia elements like images, videos, and documents onto the whiteboard, enhancing presentations and improving user engagement.
5	Cloud sync and storage capabilities are critical to safeguard work and ensure accessibility across devices. Users should be able to resume their work from where they had left in the previous session.
6	The system must allow users to export White Board content in multiple formats such as images or PDFs and share them easily via email or Direct Download to the user's device or other communication platforms.
7	Users require pre-designed templates, in various formats which are essential for teaching.
8	The ability to search and drag pictures or videos directly into the whiteboard is essential.
9	The IFPD should be able to integrate with commonly used apps by the user.
10	The device should include practical tools like a compass, ruler, set square, and protractor, along with onboard resources like a periodic table of elements, formulas, and a solar system exploration module.

11	IFPD Should have an activity tool to create gamified quizzes and interactive sessions
12	IFPD Should be Compatible to integrate with cloud platforms like Google Drive, OneDrive, or any other cloud drive Accounts
13	The IFPD should support handwriting recognition in multiple languages, including 11 local languages, for ease of use.
14	The ability to work on a boundless canvas is required for users to create/Write large, unrestricted pages.
15	The device should feature web-based DMS software to monitor and control multiple IFPDs in real-time, with features like: Grouping Displays, adjusting brightness and volume, Sending notifications and multimedia messages
16	Remote Device Control: The IFPD must allow remote control of devices, including powering on/off, locking screens, and executing commands from any location
17	Data Insights and Analytics: View device operation details, collect usage statistics, detect errors and send maintenance notifications to the IT team
18	IFPD must have a centralized platform to manage apps is necessary. This includes enabling/disabling apps and remotely installing or updating them on multiple devices
19	IFPD must have the ability to set up and automate scheduled tasks like third-party upgrades or patch installations is critical for efficient device management
20	Multi-Level User Management: The software should offer hierarchical user control, allowing roles such as Admin, Sub- Admin, and Custom Roles for better security and task delegation.
21	Remote Screen Control: The IFPD must enable users to manage all screens from a single interface, troubleshoot remotely, and ensure operational efficiency
22	Access to Google Play Store: Secure access to a variety of apps, including educational tools and Google services, enhancing productivity and learning or better
23	Seamless Integration with Google Workspace: Access to Google Docs, Sheets, and Google Classroom for efficient collaboration and content management or better
24	Enhanced Security: Google Play Protect for secure app usage, malware scanning, and blocking of harmful apps or better
25	Improved Device Management: Centralized management features for remote configuration and updating, ideal for large-scale deployments or better
26	In IFPD, the White Board app Must have built Integrated Educational Content Like E-Books as per the NCERT Syllabus, Mathematical Tools that Should Allow users to create and visualize functions, shapes, and mathematical models interactively, Enable the construction and manipulation of geometric figures and their properties. also, should have tools to solve equations, plot graphs, and analyse derivatives and integrals. Interactive simulations for Science Subjects which should Cover physics, chemistry, biology, earth science

Sl.No	Technical Specification for OPS		
1	CPU	CPU	i5-1135G7
		Core	4
		Threads	8
		Base Frequency	2.4GHz
		Max Frequency	4.2GHz
		Thermal Design Power (TDP)	28W
		Cache	8MB
2	Memory	Type	Dual channel DDR4 2666/3200MHz
		Interface	260-Pin DDR4 SODIMM
		RAM Max Size	8GB/32GB or better
3	Graphics	Intel® Iris® Xe Graphics	
4	Storage	SSD	1×M.2-2280 SATAIII (up to 6Gb/s) SSD 256GB or better
		HDD	1×2.5'HDD SATAIII (up to 6Gb/s) 500GB/1TB optional (slot Available in OPS)
5	Interface	USB	4 × USB 3.0
			1 × USB 3.2 Type-C
		Audio	1 × MIC in (Pink)
			1 × Line Out (Green)
		Ethernet	1 × RJ45 (Intel I219V 10/100/1000M)
		HDMI	1 × HDMI (Max resolution 3840 × 2160 @30Hz)
		HDD_LED	1 × HDD LED (Running: green LED blinking)
		POWER_LED	1 × Power LED (Power on: red LED)
		Antenna	2 × 2.4G/5G Dual frequency antenna
		Power button	1 × Power button
OS recovery	1 × OS recovery		
6	Operation System	Windows 10 64bit (MS-DOS)	
7	Software	Should have a valid Licensed whiteboard application built in	
8	Power Supply	Power Supply Mode	80 Pin OPS Internal Power Supply Module
		Input power	12V~19V
		Max Power Consumption	65W or lesser
		Standby Power Consumption	1.5W

9	Environmental	Operation Temperature	-10°C~50°C
		Operation Humidity	10%~90%RH
		Storage Temperature	-20°C~60°C
		Storage Humidity	10%~90%RH

Additional Requirements

1	The brand quoted and the vendor should not be black listed on any of Govt, Semi Govt or similar entities. (Self-attested declaration should be submitted with respect to same).
2	The manufacturer should have valid Indian certificates BIS, and ISO 9001:2015 for the Indian factory.
3	OEM should have its company & Factory in India.
4	Quoted Product should be manufactured in the manufacturer's factory & the same address should be mentioned on the BIS certificate.
5	Onsite service and support should be provided within 4 hours of response time from the report of any issue either related to software or hardware.
6	The manufacturer should have a valid Manufacturing License, PF Registration, PAN & GST registration certificate. (Copy should be attached)
7	OEM should have the defined/authorized process of disposing of E-waste as per GOI guidelines valid approval letter from the respective department (CPCB) under Govt. of India.
8	OEM of interactive digital board/panel has to ensure timely availability of spare parts/part replacement/defective non-repairable parts or equipment during the warranty period. A separate undertaking on OEM letterhead is to be submitted adhering to the after-sales support parameters from the OEM side.
9	OEM should have an active Toll-free number of service support and Ticketing System and email facilities for lodging and tracking complaints
10	The quoted product data sheet needs to be provided highlighting the features & technical compliance mentioned in the tender document. The data sheet should be available in the OEM website.
11	OEM Should have EDLA Certification in its own Brand Name and related documents should be submitted
12	Onsite Comprehensive warranty certificate including physical damage should be attached with interactive panel.
13	Training sessions for Faculty/Students/Staff when required during the warranty period.
14	Attaching the compliance sheet with clearly mentioning the offered products specification is mandatory for the points mentioned above and the quote without the same is subjected to rejection.
15	All the accessories for the offered product should be included.

Sd/-
Mr. Pradeep D
[In-Charge of Purchase (Buyer)]

Sd/-
Head of the Department
Dept. of CSE

*****Disclaimer***** Bidders are advised to exercise caution and not respond to any unknown calls, emails, or embedded links requesting payment for participating in the tender or for any other purpose. Please note that NITK Surathkal never asks for any tender fee for participation in tenders or bids.