

**REGIONAL CAPACITY BUILDING & KNOWLEDGE INSTITUTE, CHENNAI  
INDIAN AUDIT & ACCOUNTS DEPARTMENT**

Tender ref No.RCBKI/CHN/IS/14/SmartCR/2024-25(E317574)

Date:16.10.2024

**NOTICE INVITING TENDER**

**TENDER NOTICE FOR PURCHASE OF INTERACTIVE DISPLAY ALONGWITH VC  
CAMERA FOR LECTURE HALL OF THE REGIONAL CAPACITY BUILDING AND  
KNOWLEDGE INSTITUTE, CHENNAI 600018**

Tenders are invited from reputed firms / companies engaged in the business of supply and installation of Interactive Display Boards and Video Conferencing Cameras. Requirement, Scope of work, Terms and Conditions, Eligibility criteria are as per Annexures. Tender Document is available on the website of REGIONAL CAPACITY BUILDING & KNOWLEDGE INSTITUTE, CHENNAI (<https://cag.gov.in/rti/chennai/en>). For any clarification, bidders may contact the office at [rtichennai@cag.gov.in](mailto:rtichennai@cag.gov.in). Bidders are advised to read the tender documents (uploaded on the website) and check their eligibility before submitting the bid.

## **TABLE OF CONTENTS**

SI No	Description	Page no
1	Tender Schedule	03
2	Instructions to bidders	04-07
3	Scope of work	08
4	Product Requirement Specifications	09-11

## TENDER SCHEDULE

Name of the Work:	TENDER NOTICE FOR PURCHASE OF INTERACTIVE DISPLAY ALONGWITH VIDEO CONFERENCING CAMERA FOR LECTURE HALL OF THE REGIONAL CAPACITY BUILDING & KNOWLEDGE INSTITUTE, CHENNAI
Document Download Start Date:	16.10.2024 11:00 AM
Document Download End Date:	23.10.2024 5:45 PM
Clarification Start Date:	16.10.2024 11:00 AM
Clarification End Date:	23.10.2024 5:45 PM
Bid Submission Start Date:	16.10.2024 11:00 AM
Bid Submission End Date:	23.10.2024 5:45 PM
Bid Opening Date:	24.10.2024 11:00 AM

## INSTRUCTIONS TO BIDDERS FOR SUBMISSION OF BIDS

1. Tenders are invited from dealers / reputed firms engaged in the business of supply and installation of Interactive Display Board with Video Conferencing Camera for Lecture Hall of RCBKI, Chennai. This institute is interested in Samsung, LG and BenQ brands.
2. Tender is in TWO-BID system. (Technical Bid & Commercial Bid)
3. The bids are to be sent in sealed cover addressed to;

The Principal Director,  
Regional Capacity Building and Knowledge Institute,  
361, Anna Salai, Teynampet,  
Chennai 600018

on or before the bid closing date. Tenders received after the due date will not be accepted. Detailed information regarding the items, specifications, terms and conditions can be downloaded from the following website:  
**<https://cag.gov.in/rti/chennai/en>**

4. Instructions For Submission Of Technical Bid
  - a. The price details/commercial bid details shall not be included in the technical bid. If any bidder has included price/commercial details in the Technical bid, their offer is liable for rejection and will not be considered.
  - b. The bid shall include the brand of the product offered, specifications (both required specifications as per the Tender and other additional specifications as applicable to the product)
  - c. The Bidder shall furnish all the documents as specified in the tender. In case of non-submission of required documents, their offer is liable for rejection.
  - d. Technical Bid will be opened on (24.10.2024). Commercial Bids of only those bidders whose technical bid is accepted will be opened.
5. Instructions for Submission Of Commercial Bid
  - a. The bidder shall quote item-wise rates for both the items included in the tender.
  - b. The price quoted shall be inclusive of GST and other taxes.
  - c. Break-up of the quoted price, such as accessories / materials and labour cost shall be given.

6. Evaluation of Tenders:
  - a. Bids will be opened on the stipulated date and time mentioned in the tender.
  - b. This office reserves the right to reject a tender due to unsatisfactory past performance in the execution of PO, non-submission of documents, incomplete bid, etc
  - c. This office reserves the right to ask for any clarifications or documents in connection with technical bids during the Technical Evaluation.
7. Any corrigendum to this tender will be notified through the aforesaid website only.
8. The correspondence exchanged against the tender from both the tenderer and the buyer through official email is considered a valid document and is binding on both parties to the business.
9. The quotation and all the documents including Data Sheet of the products submitted by the bidders must be legible & readable.
10. Bidders, at their own responsibility, cost and risk, may visit and examine the site of required services and its surroundings and obtain all necessary information for preparing and submitting the bid.
11. Price Bid Validity: The Bid should be valid for 90 days from the date of tender opening. The buyer's acceptance of the tender at the quoted/negotiated rates will be binding on the tenderer during this period.
12. Delivery Terms: Delivery and installation shall be made within 14 days of placement of order.

Delivery and installation shall be at the following address:

Regional Capacity Building Knowledge Institute,  
361, Anna Salai, Teynampet, Chennai 600018.

13. Payment Terms
  - a. Rates should be inclusive of all Taxes and Charges. Break up for taxes should be furnished.
  - b. No separate charges will be paid for delivery & installation.
  - c. No advance payment will be made for whatsoever reason.
  - d. Payment will be made after the receipt of items and successful installation and commissioning
  - e. Invoices shall be submitted bearing the GSTIN, Purchase Order number & date, Product number and supporting documents as called for in the Purchase Order. Invoices shall contain breakup of the taxes.

14. Experience criteria: Bidder(vendor/dealer) should have supplied same or similar category products (Display - 75 inches and above, VC camera – PTZ camera with voice tracking and face recognition features) to any Central / State Govt organizations / PSU for 3 years before the bid opening date. Copies of relevant contract/ PO and invoices (minimum 3 purchases per year) are to be furnished.
15. Malicious Code Certificate: Bidder should submit a certificate to the effect that;
- a. The hardware and software does not contain embedded malicious code that would activate procedures to
    - Inhibit the desires and designed function of the equipment
    - Cause physical damage to the user or equipment during its use
    - Tap information resident or transient in the equipment/network
  - b. The firm will be considered to be in breach of the procurement contract, in case of physical damage, loss of information or infringements related to copyright and IPR are caused due to activation of such malicious code
16. Non-return of Hard-disk: As per the security policy of this organization, faulty Hard Disk of the digital equipment purchased will not be returned to the supplier against warranty replacement.
17. OEM authorization: Wherever authorized distributors are submitting the bid, a Manufacturer's Authorisation Certificate from OEM with name, designation, address, email ID, phone no, etc is to be furnished
18. BIS certificate: Bidders are required to submit BIS certificate under CRS of MeitY in respect of the items under the scope of supply.
19. Service & Support:
- a. Bidder/ OEM must have a dedicated toll-free number for service support. After having been notified of the defects/service requirement during the warranty period, the seller/OEM should complete the required service/rectification within 3 days' time limit.
  - b. Bidder/OEM must provide escalation matrix of telephone numbers for service support.
20. The bidder is expected to examine all instructions, terms and conditions in the tender document. Failure to furnish complete information as required in the tender document

shall result in rejection of the bid. Participation in the bid will be considered as deemed acceptance by the bidder of all the terms and conditions of the tender.

21. Any attempt to negotiate directly or indirectly on the part of the Bidder with authority competent to finally accept the Tender or influence the acceptance of the tender by any means will result in his tender being excluded from consideration. Conditional tender, illegible and ambiguous tender, partially filled tender, incomplete tender and tender without enclosing required documents will be summarily rejected.
22. This office reserves the right to accept or reject any bid without assigning any reason at any time prior to award of contract, without thereby incurring any liability to the affected bidder or bidders or any obligations to inform the affected bidder or bidders of the grounds for this office's action.
23. Clarification regarding any ambiguity in eligibility criteria may be sought through email at [rtichennai@cag.gov.in](mailto:rtichennai@cag.gov.in)

## **SCOPE OF WORK**

The scope of work shall include supply of the following items with related hardware and software necessary to bring them to functionality as a complete classroom set up;

- a) Interactive Display Board
- b) Auto Focus Video Conferencing Camera (with Teacher Tracking feature)

Installation in the designated place is to be decided by this Institute. Provision for electrical and network connectivity will be within the scope of this office.



## PRODUCT REQUIREMENT SPECIFICATION

### Interactive Panel

Specification	Specification Name	Bid Requirement
General Specifications (Display)	Display type	LCD
	Display panel diagonal size(mm)	86 inches
	Display Resolution (Pixels)	4 K
	Display aspect ratio	16:9
	Brightness	450 nits or higher
	Contrast Ratio	1200:1 or higher
	Dynamic Contrast Ratio	30000:1
	Touch response time	<=8 ms
	Screen sensor	Should have ambient light sensor to automatically adjust the display brightness.
	Touch interface	Touch-sensitive as well as pen-driven
	Touch Technology	Infrared / Optical
	Touch Response	<= 8ms
	Touchpoints	40 or above
	Screen Type	Toughened glass (level 7 and above MOHS standard); Anti-Glare
Lifetime	50,000 hrs	
General Specifications (OS)	CPU	Android 13 8 core A55 or higher
	GPU	Quard-core, MaliG52 or higher
	OS-RAM-Storage	Android 13 or higher 8 GB RAM or higher 64 GB internal memory
General Specifications (Audio systems)	Provision of in-built speakers	20 W x 2
	Microphone	In-built
General Specifications (Connectivity)	Bluetooth connectivity	Bluetooth 4.0
	Wi-Fi connectivity	Wi-Fi 2.4 Ghz
	Ports	RJ 45 (In/Out) x 2 USB A 2.0 x 2, 3.0 x 2 USB B 3.0 x 2 USB C 2.0 x 1, 3.0 x 1 HDMI In - 3/Out - 1 VGA In - 1 Audio In – 1 RS232 x 1

		Axial points for Mic, Earphone, Speaker
		Wireless screen sharing
General Specifications (Others)	On-site OEM warranty (yrs)	3
	BIS Registration under CRS of Meity	Yes
	Availability of test reports to prove conformity to the specifications (To be furnished when demanded by the buyer)	Yes
Additional Specifications	Integrated PC	i7 11 <sup>th</sup> generation or above - license to be included; 8 GB or more; 256 GB SSD or higher; On-site OEM warranty – 3 years OS- Window 11 Wi-Fi, Blue Tooth, Wireless screen sharing
	Preloaded White Board Software	Preloaded whiteboard software with lifelong support and upgrades

Autofocus VC Camera

Specification	Specification Name	Bid Requirement/Allowed Values)
Specifications	Type of camera	PTZ
	Resolution	4K Dual camera, 30 fps or higher Panoramic lens
	Zoom Range Optical	10X, 12X, 20X, 22X, 30X or higher
	Zoom Range Digital	10X, 12X or higher
	Viewing angle	Pan range - 170 degrees Tilt range – 30 degrees
	Camera Positioning System	Automatic voice-activated, Face Detection, Presets - Manual or higher
	Type of Sensor	CCD, CMOS, MOS or higher
	Noise cancellation	Yes
	Camera Control (focusing, brightness and white balance)	Automatic or higher
	Input/Output ports	RS232,RJ45, HDMI, USB 3.0
	BIS Registration under CRS of Meity	Yes
	Availability of test reports to prove conformity to the specifications (To be furnished when demanded by the buyer)	Yes
	On site OEM Warranty (yrs)	3 or higher

