

Indian Institute of Science (IISc), Bangalore, INDIA

Local Tender Notice

**Revised addendum to Tender No. Ref No.: CPDM/VS/CC-22-01, Date: 11/4/2022**

This document (Ref No.: CPDM/VS/CC-22-01-R1) is an addendum to the Tender No. Ref No.: CPDM/VS/CC-22-01, which was issued on 31<sup>st</sup> March 2022. The revisions include minor modifications to the requirements and specifications, in addition to providing more specific technological details. The revisions have been issued in response to queries raised by multiple vendors.

Please refer to the original Tender for comparison. This document only includes the revised Tender.

Because of the revisions to the Tender, the original deadline has also been revised and extended by two weeks. The new deadline for submission of the tender is 30<sup>th</sup> April 2022.

For any clarifications, please contact Prof. Vishal Singh at [singhv@iisc.ac.in](mailto:singhv@iisc.ac.in)

Revised Tender Notification Ref No.: CPDM/VS/CC-22-01-R1 Date: 11<sup>th</sup> April 2022

The Indian Institute of Science Bangalore, invites tenders for supply of “Audio-Visual System for Board Room Presentations and Video-Conferencing”. This Invitation for Bids is open to all domestic (India based) manufacturers, Indian OEM or its authorized Indian distributors only.

The scope of bid includes Supply, installation and configuration of “Audio-Visual System for Board Room Presentations and Video-Conferencing”

### Tender Summary

1.	Tender Number	CPDM/VS/CC-22-01-R1
2.	Tender Date	Revised: 11 <sup>th</sup> April 2022 (original: 31 <sup>st</sup> March 2022)
3.	Item Description	Audio-Visual System for Board Room Presentations and Video-Conferencing
4.	Tender Type	Two bid system : (a) Technical Bid (Part A) (b) Commercial Bid (Part B)
5.	Place of tender submission	Prof. Vishal Singh Centre for Product Design and Manufacturing Indian Institute of Sciences, Bengaluru 560012
6.	Last Date & Time for submission of tender	30 <sup>th</sup> April 2022, 5:00 PM (original: 15 <sup>th</sup> March 2022)

To whom it may concern

This is a Request for quote (RFQ) from Indian Agencies for supply and installation of “Audio-Visual System for Board Room Presentations and Video-Conferencing” at the Indian Institute of Science, Bangalore.

This Invitation for Bids is open to only domestic (India based) manufacturers, Indian OEM or its authorized Indian distributors. All interested vendors shall submit a response demonstrating their capabilities to produce the requested equipment to the primary point of contact listed below.

With respect to this tender, the rules laid out by the Government of India in order No. P45021/2/2017-pp-BE-II issued by the Public Procurement Section, Department or Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, dated 4<sup>th</sup> June 2020 will be followed. As per the order the government has defined a ‘Class-I local supplier’ as “a supplier or service provider whose goods, services or work offered for procurement, has local content equal to or more than 50%”. A ‘Class-II local supplier’ is “a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%”. Only Class-I and Class-II local suppliers are eligible to participate in this open domestic tender. Any “Non-local supplier” i.e. “a supplier or service provider, whose goods, services or works offered for procurement, has local content less than 20%” is ineligible to participate in this tender.

The revised deadline for submission of proposals is 30<sup>th</sup> April 2022 by 5:00 PM. Proposals should arrive at the office of the Centre for Product Design and Manufacturing, Indian Institute of Science, Bangalore, Karnataka 560012, India. Please submit a hard copy of the proposal. See the general terms and conditions for further details.

Direct all questions concerning the acquisition to addresses to Prof. Vishal Singh at: [singhv@iisc.ac.in](mailto:singhv@iisc.ac.in)

## General Terms and Conditions

1. The bid should be submitted in the two-cover system, i.e. technical bid and commercial bid separately in sealed covers. The technical bid should contain all commercial terms and conditions, except the price.
2. The technical bid must contain a point-by-point technical compliance document. The technical proposal should contain a compliance table that should describe your compliance in a "yes" or "no" response against each of the items in the table listed in this RFQ. If "no" the second column should state, the extent of deviation. The third column should state the reason for the deviation, if any. The fourth column can be used to compare your tool with that of your competitors or provide details as requested in the technical requirement table below.
3. In the commercial bid, the price should be inclusive of all discounts.
4. The quotations should be on FOR-IISc Bangalore basis in INR only.
5. The vendor should have qualified technical service personnel for the equipment based in India (preferably in Bangalore).
6. The covering letter should clearly state that whether the vendor is a Class-I or Class-II local supplier. Failing this the bid will be automatically rejected.
7. The vendor to state the percentage of the local content and provide self-certification that the item offered meets the minimum local content requirement. They should also give details of the location(s) at which the local value addition is made.
8. The lead time for the delivery of the equipment should not be more than 2 months from the date of receipt of our purchase order. It should be clearly mentioned in the technical and commercial bids.
9. All the quotations must be valid for at least 90 days at the time of submission.
10. List of customers and references: The Bidder should have supplied similar equipment in established organizations. Please provide the details and contact information.
11. The Bidder must not be blacklisted/banned/suspended or have a record of any service- related dispute with any organization in India or elsewhere. A declaration to this effect should be provided.
12. Items in addition to that listed in the technical table that you would like to bring to the attention of the committee, such as data sheets, technical plots etc. can be listed at the end of the compliance table.
13. Vendors are encouraged to highlight the advantage of their Audio-Visual System for Board Room Presentations and Video-Conferencing over comparable systems from the competitors.
14. If needed, a meeting for any technical clarifications can be scheduled with the undersigned by sending an email.
15. The Institute reserves the right to accept or reject any bid, or to annul the bidding process and reject all bids, at any time prior to the award of contract without thereby incurring any liability of the affected bidder or bidders.
16. Warranty terms and additional warranty options is a must for all the components. Please specify the service plan like whether the local distributor will address the issue or the parent company.
17. Terms and conditions for the annual maintenance contract beyond the warranty period should be mentioned.
18. After the award of purchase order, the vendor must provide an Order Acknowledgement within 30 days from the receipt of the Purchase Order.
19. Please quote the price of each optional line item, separately.

Technical requirements: Please note that the requirements listed below are only guidelines. It does not disbar bids that do not meet the criteria listed. Vendors are requested to quote for equipment that meet the criteria to the best extent possible and list deviations. Deviations are NOT an automatic reason for disqualification. They will be discussed by the technical committee prior to making an informed decision.

S.No.	Description	QTY	SPECIFICATIONS
A	VISUAL SYSTEM		
1	Video Wall Display using Active LED technology	1	4K UHD Resolution, Optimal Viewing Distance within 2 metres, farthest 14m, Preferred minimum refresh rate 60Hz Pixel Pitch (mm): 1.75 or finer Preferred screen size (L= 4.5m H=2.3m) Preferred aspect ratio 16:9 Preferred 600 nits brightness
2	Mounting Structure/Brackets for Screen	Design Dependent	Standalone floor mounting structure (architectural support will be provided at site, in consultation with the Vendor)
3	Video wall control System	1	4 HDMI inputs & 4 HDMI outputs; HDMI to VGA, VGA to HDMI, USB-A to HDMI, USB-C to HDMI signal switching, dashboard-based control is preferred, wireless content sharing, multiple views on display, content switching, expected to work robust for live conferencing
4	Camera for video conferencing	Dependent on viewing configuration	Strong anti-interference ability, auto-framing, automatic speaker tracking, pre-set function for speaker tracking , 20x zoom Full HD 1080p video up to 60fps, HDMI, USB and IP Video Output, video functions like BLC, WDR, WB, 3D/2D NR etc according different environment, Control the camera's functions via IR remote control, RS-232, or USB control, PoE support, RTSP, RTMP, Onvif, H.265, H.264, MJPEG Support. Easily Live Streaming to Facebook Youtube and other"  Please see the schematic room layout provided below (Figure 1) for reference.
B	AUDIO SYSTEM	QTY	SPECIFICATIONS
5	Microphone System for Table	20	Individual table-top mics for voice capturing for each seated person on the board table, preferred mute-unmute feature

6	Wireless Microphones	3	1 wireless neck microphone + 2 wireless handheld microphones
7	Sound System	1	Speakers to cover the range of 9m x 14m room, stereo crystal-clear sound, audio mixers for mics, Bluetooth connectivity, work robustly for live conferencing audio-in and audio-out
9	Supporting frame for speakers	Design dependent	Strong, reliable, (architectural support will be provided at site, in consultation with the vendor)
C	SOFTWARE PLATFORMS & ADDITIONAL PROVISIONS	QTY	SPECIFICATIONS
10	One Touch join solution for Major UC Platform.(Includes PC &Touch Panel)	1	Compatible with Zoom, Skype, Google Meets, MS Teams, Cisco Webex and similar VC platforms
11	Interactive Annotation Screen	1	table top, standalone (architectural support will be provided)
12	Supporting cables and connectors		CAT cables, HDMI cables and connector, USB cables & connectors, Wireless Presentation Devices, USB Switcher
13	Rack for AV equipment	Depends on the solution	(architectural support will be provided at site, in consultation with the vendor)

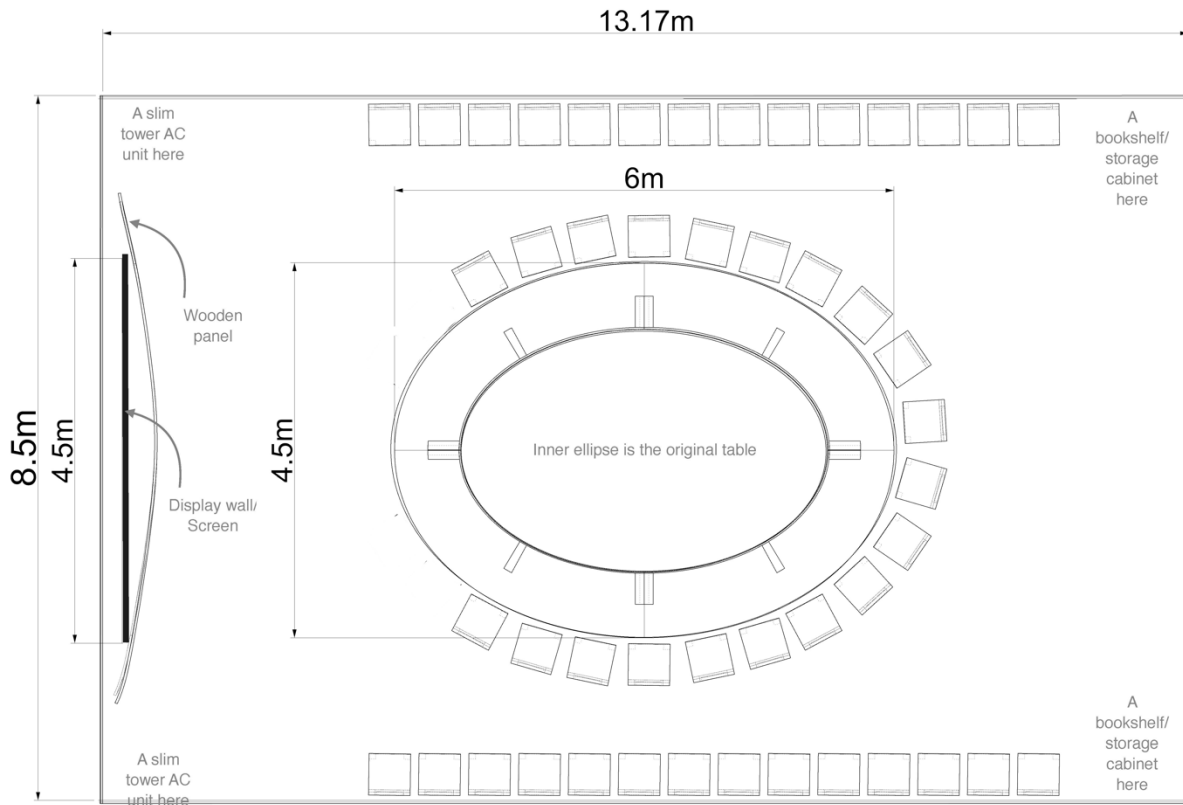


Figure 1: Schematic room layout (The display wall comes on the left side)

### Terms and Conditions

1. Warranty period: 2 years.
2. Supplier Credibility:
  - a. The Bidder/Vendor Must have supplied minimum 3 “Audio-Visual System for Board Room Presentations and Video-Conferencing” to reputed Organizations in INDIA in the past 3 years. Copies of Purchase Orders to be enclosed along with the Technical Bid as proof.
  - b. Supplier should compulsorily indicate details of facilities / expertise/ qualification of support staff in India. Factory trained engineer/s should be available in India for complete product support
  - c. Please enclose User list in INDIA.
  - d. Minimum 3 Reference letters of similar system supplied in INDIA need to be submitted for further consideration.
3. Institute reserves the right for final selection of items.
4. Vendors may quote for any other items/accessories separately as “Optional Items”.

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[singhv@iisc.ac.in](mailto:singhv@iisc.ac.in)  
 25<sup>th</sup> March 2022

## Annexure-I

Note: Compliance Certificate must be enclosed with the Technical bid. Non submission of

Compliance Certificate will lead to disqualification of the bidder.

Sl No.	Description	Value / Range	Comply	Non-comply	Deviation	Remarks
1	Visual/video System					
1.1	Video Wall using Active LED	<ul style="list-style-type: none"> <li>• 4K UHD Resolution, Optimal Viewing Distance 2-14m.</li> <li>• Pixel Pitch (mm): 1.75 or finer</li> <li>• Screen size (L= 4.5m H=2.3m) Aspect ratio 16:9</li> <li>• Preferred 600 nits brightness</li> <li>•</li> </ul>				
1.2	Video Wall Control System	<ul style="list-style-type: none"> <li>• 4 HDMI inputs &amp; 4 HDMI outputs;</li> <li>• HDMI to VGA and VGA to HDMI signal switching</li> <li>• USB-A, USB-C connectivity</li> <li>• Dashboard based control panel</li> <li>• Wireless content sharing</li> <li>• Content switching</li> <li>• Multiple views/ Split screen on display</li> </ul>				
1.3	Camera	<ul style="list-style-type: none"> <li>• Anti-interference ability</li> <li>• Auto-framing</li> <li>• Automatic speaker tracking/ pre-set function for speaker tracking ,</li> </ul>				



		<ul style="list-style-type: none"> <li>• 20x zoom Full HD 1080p video up to 60fps,</li> <li>• HDMI, USB and IP Video Output</li> <li>• Video functions like BLC, WDR, COLOR, WB, 3D/2D NR etc according different environment</li> <li>• Control the camera's functions via IR remote control, RS-232, or USB control</li> <li>• PoE support, RTSP, RTMP, Onvif, H.265, H.264, MJPEG Support.</li> <li>• Easily Live Streaming to Facebook/ Youtube and other platforms</li> </ul>				
2	Audio Systems					
2.1	Microphone System for Table	<ul style="list-style-type: none"> <li>• 20 Individual table top mics on the board table.</li> <li>• Small/ button size that occupies little to no space on the table top</li> </ul>				
2.2	Wireless Microphones	<ul style="list-style-type: none"> <li>• 1 wireless collar microphones</li> <li>• 2 wireless handheld microphones</li> </ul>				
2.3	Sound System	<ul style="list-style-type: none"> <li>• Speakers to cover the range of 9m x 14m room</li> <li>• Stereo crystal clear sound,</li> </ul>				

		<ul style="list-style-type: none"> <li>• Audio mixers for mics</li> <li>• Bluetooth connectivity</li> </ul>				
3	Software platform and accessories					
3.1	One Touch join solution for Major UC Platform.(Includes PC & Touch Panel)	<ul style="list-style-type: none"> <li>• Compatible with Zoom, Skype, Google Meets, MS Teams, Cisco Webex and similar VC platforms</li> </ul>				
3.2	Interactive Annotation on the Screen	<ul style="list-style-type: none"> <li>• Via a 24" table top/ standalone tablet/ kiosk</li> </ul>				
3.3	Supporting cables and connectors	<ul style="list-style-type: none"> <li>• CAT cables, HDMI cables and connector, USB cables &amp; connectors, Wireless Presentation Devices, USB Switcher, etc.</li> </ul>				
3.4	Rack for AV equipment					

## Annexure-II

### MANUFACTURERS' AUTHORIZATION FORM

[The bidder shall require the manufacturer to fill in this form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by the person with the proper authority to sign documents that are binding on the Manufacturer.]

Date: [insert date (as day, month and year) of Bid

Submission] Tender No.: [insert number from

Invitation for Bids]

To: Prof. Vishal Singh, Centre for Product Design and Manufacturing, IISc, Bangalore-560012

WHEREAS

We [insert complete name of Manufacturer], who are official manufacturers of [insert full address of Manufacturer's factories], do hereby authorize [insert complete name of Bidder] to submit a bid the purpose of which is to provide the following Goods, manufactured by us [insert name and or brief description of the Goods], and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty with respect to the Goods offered by the above firm.

Signed: [insert signature(s) of authorized representative(s) of the Manufacturer]

Name: [insert complete name(s) of authorized representative(s) of the Manufacturer]

Title: [insert title]

Duly authorized to sign this authorization on behalf of: [insert complete name of Bidder]