



Public Tender No: IITNiF/TEND-04

Due Date: 27/02/2024-15.00 Hrs

LIMITED TENDER

Dear Sir/Madam,

On behalf of the IIT TIRUPATI NAVAVISHKAR I-HUB FOUNDATION, TIRUPATI, Indian Institute of Technology Tirupati, Yerpedu -Venkattagiri Road, Tirupati 517619, quotations are invited for the supply of the following items.

Details of required items

Category	Parameters	Specifications	Qty
PANEL	Screen Size (Inch)	75"	4
	Panel Technology	IPS	
	Back Light Type	Direct	
	Aspect Ratio	16:9	
	Native Resolution	3840x2160 (UHD)	
	Refresh Rate	60Hz	
	Brightness (Typ.)	330nit (Typ.)	
	Contrast Ratio	1,200:1	



	Dynamic CR	1,000,000:1
	Color gamut	DCI 80%
	Viewing Angle(H x V)	178 x 178
	Color Depth	1.07Billion colors(8bit + FRC)
	Response Time	8ms (G to G)
	Surface Treatment(Haze)	1%
	Life time	30,000Hrs (Min)
	Operation Hours (Hours/Day)	16/7
	Portrait / Landscape	Yes/Yes
Connectivity (Jack Interface)	HDMI IN	Yes(3), HDCP2.2/1.4
	RS232C IN	Yes(1), 4pin Phone-jack
	RJ45(LAN) IN	Yes(1)
	USB IN	USB2.0 Type A(2)
	HDMI Out	Yes
	Audio Out	Yes(1)



	RS232C Out	Yes(1), 4pin Phone-jack
Mechanical	Bezel Color	Ashed Blue
	Bezel Width	Off : 7.9/7.9/7.9/18.4 On : 13.9/13.9/13.9/19.9
	Weight (Head)	31.4
	Packed Weight	40.3
	Monitor Dimensions (W x H x D)	1678 x 964 x 59.9
	Carton Dimensions (W x H x D)	1820 x 1115 x 200
	VESA™ Standard Mount Interface	400 x 400
HW Feature	Internal Memory (eMMC)	8GB
	Wi-Fi (Built-in)	Yes
	Temperature Sensor	Yes
	Auto Brightness sensor	Yes
	Local Key Operation	Yes (Power On/Off only)



	Speaker (Built-in)	Yes	
SW Feature	OS ver.	webOS6.0 or Better	
	Local Contents Scheduling	Yes	
	Group Manager	Yes	
	USB Plug & Play	Yes	
	Fail over	Yes	
	Booting Logo Image	Yes	
	No Signal Image	Yes	
	RS232C Sync	Yes	
	Local Network Sync	Yes	
	Screen Share	Yes	
	Video Tag	Yes(4, Max One HDMI input)	
	Play via URL	Yes	
	Screen Rotation	Yes	
External Input Rotation	Yes		



	Gapless Playback	Yes	
	Tile Mode Setting	Yes	
	Setting Data Cloning	Yes	
	SNMP	Yes	
	ISM Method	Yes	
	Auto Set ID	Yes	
	Status Mailing	Yes	
	Control Manager	Yes	
	Crestron Inside	Yes	
	Smart Energy Saving	Yes	
	PM mode	Yes	
	Wake on LAN	Yes	
	Network Ready	Yes	
	Beacon	Yes	
	HDMI-CEC	Yes	



	SI Server Setting	Yes
	webRTC	Yes
	Pro:Idiom	Yes
Environment Conditions	Operation Temperature	0 °C to 40 °C (Portrait Scene : 0 °C to 35 °C)
	Operation Humidity	10 % to 80 %
POWER	Power Supply	AC 100-240V~, 50/60Hz
	Power Type	Built-In Power
	Power Consumption (Typ.)	155 W
	Power Consumption (Max.)	220 W
	Power Consumption (British Thermal Unit)	529 BTU/Hr(Typ.), 751 BTU/Hr(Max.)
	Power Consumption (Smart Energy Saving, ~70%)	108.5 W
	Power Consumption (DPM)	0.5 W
	Power Consumption (Power Off)	0.5 W



CERTIFICATION	Safety	CB
	EMC	FCC Class "A" / CE
Software Compatibility	Content Management Software Premium Same OEM Proprietary	Yes
Accessory	Basic	Remote Controller(include battery 2ea), Power Cord, Regulation Book, Phone to D-Sub9 Gender, Cable Holder
Warranty	Warranty	3 Years Onsite Warranty

Category1	Parameters	Specifications	QTY
	Screen Size (Inch)	86"	1
	Parameter	Specifications	
	Panel Type	IPS	
	Back Light Type	Direct	
	Native Resolution	3,840 X 2,160 (UHD)	
	Refresh Rate	120Hz	
	Brightness	330 nits	
	Contrast Ratio	1,200:1	
	Color Depth	1.07 billion colors	
	Response Time	5ms	
	Haze	3%	
	Operation Hours	16/7	
	Input	HDMI (3, HDCP 2.2), USB 2.0 (2, Type-A), RS232C In, RJ45 In (Lan)	



	Output	Audio Out, RS-232C Out	
	Wifi	Built-in-wifi	
	Sensor	Temperature Sensor, Auto Brightness Sensor, Gyro Sensor	
	Internal memory	8GB	
	Key Features	Fail Over, Screen Share, Play via URL, PM Mode, Wake on LAN, HDMI-CEC	
	Certifications	CB/NRTL, FCC Class A/CE	
	Software	Digital Signage Software should be Same OEM	
	Warranty	3 Years	
		Floor Mount Display stand Specification	Qty
		TV Steel Trolley Floor Support with adjustable height, for TV from 55" to 110"	
		Telescoping metal pole with manual lift function	
		Height adjustable tv cart with crank handle	
		Heavy duty tv floor stand with wheels and height adjustable tray	
		Supports televisions up to 140 kg	
		Maximum VESA supported: 1000×600	2
		Base with 4 wheels for an easier moving	
		With shelf for AV components with dimensions 335 x 430 mm	
		Maximum weight supported by the shelf: 5 kg	
		With shelf on top for camera or other devices	
		Maximum weight supported by the shelf: 5 kg	
		TV bracket with tilt from +5° to -10°	
		Sign Software Specification	QTY
		1. CMS [Content management software] should enable client to control	9



		professional displays placed in multiple location from single server [Location]	
		2. CMS [Content management software] should enable client to send PPT, PDF, IMAGES, VIDEO, Web Page, Web URL, Video URL, Live Streaming Formats to Displays via LAN..	
		3 CMS [Content management software]should enable client to send one content to multiple displays as well as multiple content to multiple displays almost all the probabilities.	
		4. Content management software] should be user friendly interface to install and uninstall if needed further.	
		5 CMS [Content management software] should have different features of control system like On/Off Displays, Volume Controls Etc..	
		6. CMS [Content management software] should have content scheduling option and Playlist Option which helps user to schedule the content as per the time table.	
		7. CMS [Content management software] should have Wake Up on LAN, Text Scrolling feature and Alert Message feature etc.. for running on the display via LAN.	
		8. CMS [Content management software] should have inbuilt predefined templates where client can use according to their choices.	
		9. CMS [Content management software] licenses should be one software to one display and perpetual [one time purchase]	
		10. CMS [Content management software] Should have feature User to monitor the content playing in the displays on the CMS dashboard to have clarity on what content being played on displays	



		11. CMS [Content management software] Should have feature of creating work groups according to the departments they have or verticals they carry and assign the user name and password credentials to the authorized HODS of respective departments or verticals. Master Control will be with the admin.	
	Parameter	Specifications	QTY
	Type *	Direct Backlight Unit (LED OR LCD)	4
	Size	65"	
	Resolution (Pixels) *	[3840 X 2160] 4K	
	Category *	Smart	
	Typical Brightness *	400NITS or Better	
	Wattage of Speakers *	10W x 2	
	Warranty(Years) *	Minimum 3 years onsite warranty including 2 years service support	
	Operating System	Latest	
	Dynamic Contrast Ratio	1,000,000:1	
	Screen Mirroring	Yes	
	Mount Type *	Both table and wall mount	
	Inbuilt Speakers *	Yes	
	Power Consumption (Watts) Typical*	less than 170 W	
	Number of HDMI Ports *	3 or More	
	Number of USB Ports *	1 or More	
	Built-in Wi-fi *	Yes	
	Wi-fi Direct *	Yes	
	RF Input *	Yes	
	Details of accessories (included in the scope of supply) *	Remote Control, Connecting Cable, Batteries	
	Weight (Kg) *	less than 22 KG	
	Operational Hours	16/7 or Better	



	Refresh rate	60Hz
	Response time	8 ms or Better
	Viewing angle	178/178
	CMS Compatibility	Yes
	OEM Proprietary CMS Software	Yes
	CMS Software Premium Features	Yes
	TV Thickness [Bezel Depth]	60MM or Below
	Special Features	DPM, Display itself a router to share, HDMI Arc, YouTube, Play Via URL, Creston Connected, Time Scheduler, RTC, Embedded GM, SOFT AP, Bluetooth Audio Playback, HDMI ARC
	Certificates	Safety, Bis, CE Etc

The detailed specifications of the equipment are given below.

Please ensure that the specification is the basic essence of the product. It must be ensured that the offers must be strictly as per our specifications. The quoted model should not become obsolete for a minimum period of 5 years(this is for the availability of spares). Therefore, the model quoted should invariably be highlighted in the leaflet/literature enclosed with the quotation. Non-compliance with the above shall be treated as incomplete/ambiguous, and the offer can be ignored without giving the bidder an opportunity for clarification/negotiation, etc. to the bidder

Delivery schedule: The total ITEMS should be supplied within 7 days from the date of receipt of the purchase order, and installation and commissioning should be completed within 7 days from the date of supply of the item.

Instructions to the Bidder

1. Submission of the tender: The bids shall be submitted through online mode using the link provided on our website: <https://iitnif.com>

While submitting the bids, the bidders must sign all the tender documents as a token of



acceptance of tender documents as well as terms and conditions stipulated therein. Tender documents without the signature of bidders or their authorized signatories will be treated as invalid bids.

No conditional offer or terms and conditions will be entertained by the institute and such bids will be treated as invalid.

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2.1 Preparation of Bids: The bidders must ensure that bids are submitted in two part bid system (i.e.) Techno-commercial bid and Financial bid in separate envelopes.

2.2 Techno-commercial bid: The technical bid should consist of all technical details / brochures along with commercial terms and conditions super-scribed as TECHNICAL BID with Tender No. and date and time of closing and the bidder's name and address. No prices should be included in technical bid.

2.3 Financial (Price) bid: This should indicate item-wise prices for the items with firm and fixed figures and words super-scribed with the Tender No. and date of closing of the Tender with bidder's Name and address. The price bid should not contain any conditional clauses. No price escalation for any reasons whatsoever is allowed. All prices should be given in Indian Rupees only.

2.4 The technical and the financial bids duly signed by the bidders or their authorised signatories with name and seal should be put in separate covers and sealed. Both sealed covers should be put into a bigger cover duly super-scribed with Tender No. and due date/time with name of supply /work. Technical bids must either be spiral bound / stapled

together. No loose sheets will be accepted. All pages must be numbered.

2.5 Submission of the tender: The complete sealed bids in all respects shall be sent to the following address well in advance either by post or by courier so as to reach this office before the due date and time specified in the Schedule. The bids received after closing date and time shall not be considered.

The Project Director

IIT TIRUPATI NAVAVISKAR I-HUB FOUNDATION

Indian Institute of Technology Tirupati,

Yerpedu – Venkatagiri Road,

YERPEDU POST, TIRUPATI DISTRICT

Tirupati-517 619, Andhra Pradesh

While submitting the bids, the bidders must sign all the tender documents as a token of accepting of tender documents as well as terms and conditions stipulated therein. Tender documents without signature of bidders or their authorised signatories will be treated as invalid bids. No conditional offer or terms and conditions will be entertained by the institute, and such bids will be treated as invalid.

2.6 Opening of the tender: The technical bids will be opened by the tender committee duly constituted in the presence of bidders or their authorised representatives on 28/02/2023 at 11.30 hours. The bids will be evaluated by the Technical Evaluation Committee which will decide the suitability of the technical bids as per our requirement and terms and conditions. Once the technical evaluation is completed, the price Bids of only those bidders who are found technically acceptable will be opened in the presence of Authorized Representatives of such bidder(s), if any on a date and at a venue to be intimated by IITTNIF to the short listed bidders.

2.7 The bidder shall note that any unsolicited post-tender reduction by them would disqualify them from participating from the bidding and forfeit the security bid. 2.8 Incomplete bids are liable for rejection

Important Commercial terms and conditions:

3.1 The due date for the submission of the tender is Due Date: 27/02/2023 – 15.00 Hrs.

3.2 Late offer: The offers received after the due date and time of closing will not be considered. The Institute shall not be responsible for the late receipt of Tender on account of Postal, Courier or any other delay.

3.3 Delivery Schedule: Please note that delivery is the essence of the contract. In case there is any deviation in the delivery schedule, liquidated damages clause will be levied for the delayed supply period. Therefore, it should be ensured that all the ordered items should be supplied within 20 DAYS from the date of receipt of Purchase Order on door delivery basis at our Institute as per Purchase order terms securely and sufficiently packed by following standard packing procedure to withstand transit damages. The installation and commissioning should be completed as specified in our important terms and conditions.

3.4 Liquidated damages: If the Contractor fails to deliver the material within the time specified in the Contract or any extension thereof, the Institute shall recover from the Contractor as Liquidated Damages a sum of one-half of one per cent (0.5 per cent) of the Contract Price of the undelivered material for each calendar week of delay. The total liquidated damages shall not exceed ten per cent (10%) of the Contract price of the unit or units so delayed. Stores will be deemed to have been delivered only when all their component parts are also delivered

3.5 Guarantee/Warranty: The Contractor shall guarantee that the material supplied shall comply fully with the specifications laid down, for material, workmanship and performance after acceptance of the material. The tenderer should clearly mention in the bid the period of guarantee/warranty offered by him. If any defects are discovered therein or any defects therein found to have developed under proper use arising from faulty stores design or workmanship, the Contractor shall remedy / replace such defective items at his own cost. The Bidder should clearly categorize the Basic/Standard features as well as optional features of the system in order to have a clear cost comparison. Essential spares if any for maintenance to be quoted separately. The bidder should ensure continued supply of spares throughout the useful life of the equipment.

3.6 Payment terms: No Advance payment will be made for Indigenous purchase. Our normal payment terms are 100% within 30 days after receipt of complete supply at our site

and acceptance. However in case of high value Purchase Orders, as a special case, payment of 90% of Order value will be made based on pre-inspection of material at supplier's site and also on receipt of goods at our site and clearance by inspection team. Balance 10% of PO value after completion of installation, inspection and acceptance formalities. For making payment original tax invoice in triplicate, delivery challan's, material test certificate, preinspection of material at factory, guarantee/warranty certificates must be sent along with the material

IIT Tirupati Navavishkar I-Hub Foundation reserves the full right to accept/reject any tender or all tenderers at any stage without assigning any reason.

Terms and conditions:

1. OEM Should have a local office in the state operating for at least the last five years.[valid document should submitted]
2. OEM Should have Direct Service centres In the state.[valid document should submitted]
3. Bidder should have a Local Office in the state operating for at least the last three years. [Valid document should submitted]
4. OEMs should have their own manufacturing units in India to cater to spares after the warranty period. (Valid documents should submitted)
5. The bidder can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection
6. Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail ID and Phone No. Required to be furnished along with the bid.

Yours sincerely,

IIT Tirupati Navavishkar I-Hub Foundation.



IIT Tirupati
Navavishkār
I-Hub Foundation

IIT Tirupati Navavishkar I-Hub Foundation

Indian Institute of Technology Tirupati
Yerpedu - Venkatagiri Road, Yerpedu Post
Tirupati District, Andhra Pradesh - 517619, India.

