

Ref No: ICTS/TIFR/RFQ/60/2018-19

Date: 13/12/2018

**ENQUIRY**

To,

Dear Sir,

**Subject: Enquiry for the Supply & Installation of Large Format Professional Series Interactive Displays**

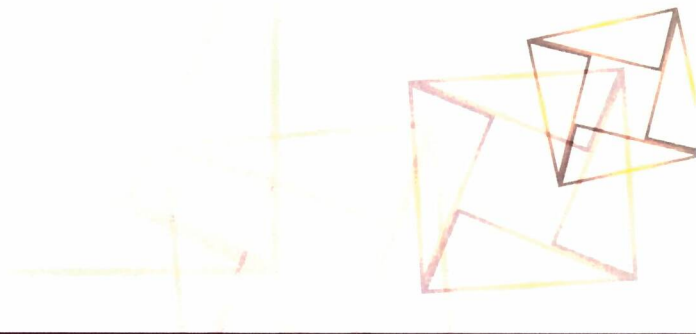
**Scope of Work:**

**Supply & Installation of Large Format Professional Series Interactive Displays**

**Sealed tenders are invited under 2 cover system from reputed OEM (Original Equipment Manufacturer) / Registered and Licensed Vendors for Job Contract at International Centre for Theoretical Sciences, Survey No. 151, Shivakote, Hessarghatta, Bangalore - 560089 (India).**

The Technical and Price Bids shall be submitted simultaneously in two cover (sealed) system. The proposals shall be evaluated in two stages: (1) Technical and (2) Price. Technical evaluation will be carried out and those vendors who qualify in the technical evaluation will be eligible for Price Bid opening. Thereafter Financial proposal shall be evaluated. The Commercially Lowest Bidder shall be the first preferred Vendor for the Award of Order

**Important Instruction:** The bids shall be enclosed in an envelope and sealed duly marked "Enquiry for Supply & Installation of Large Format Professional Series Interactive Displays at ICTS Campus," Ref No. ICTS/TIFR/RFQ/60/2018-19; and addressed to "Administrative Officer" at the address given below. The bids are liable to be rejected if the sealed envelope is not addressed to "Administrative Officer" with Tender Ref No. and Item Description. Offers delivered in person shall be deposited in the Tender Box kept in the Office. If the bids are sent through courier or mail, it should reach by submission date and time and ICTS will not be responsible for any delay.



The tenders should be submitted in two sealed covers. This tender will be evaluated under 2 cover bid system as described above.

I. The First sealed cover - **COVER I** should be superscribed "Technical Bid" and should contain :

1. Pages 1 to 3 of this enquiry duly sealed and signed.
2. Technical Specifications of the product quoted for
3. **MAF (Manufacturer's Authorization Form) Certificate**

II. The Second sealed cover - **COVER II** superscribed 'Price Bid' should contain the Financial bid.

#### **Tender Criteria:**

1. The bidder should submit the **MAF (Manufacturer's Authorization Form) Certificate along with the quotation. Bids without MAF Certificate will be disqualified.**
2. **Financial bids, if enclosed with the technical bids in Cover 1 will lead to automatic disqualification of the bid.**
3. **All warranty and support must be serviced directly by the OEM. ICTS requires that there be a SPOC from OEM who is responsible for all issues between ICTS and the OEM.**
4. **The bidder should have atleast two installations of the proposed Large format Displays and proof of the same should be enclosed with the technical bid.**

#### **Terms & Conditions:**

The center being public funded research institution is entitled for GST @ 5% vide notification No. 47/2017-Integrated Tax (Rate) and No.45/2017-Central Tax dated 14-11-2017. Necessary Certificate will be provided along with the order.

The bids/ quotation addressed to "**International Centre for Theoretical Sciences – TIFR**". You are requested to superscribe our enquiry number and due date on the envelope.

**All duties, taxes, surcharge and cess as currently applicable must be stated in your quotations, separately. Otherwise your quote is liable to be rejected.**

- 1) **DUE DATE FOR SUBMISSION OF QUOTATION AGAINST THIS ENQUIRY IS 04/01/2019 till 15.00 Hours.**
- 2) **QUOTATIONS RECEIVED AFTER THE DUE DATE SHALL BE REJECTED.**
- 3) Vendors can quote in USD also. OEM should provide Warranty, Support & Service locally.
- 4) The Validity of your quotation should be for **60 days from the date.**
- 5) Your quotation should include 3-year warranty. 4th and 5th year additional warranty is optional but mandatory to quote.



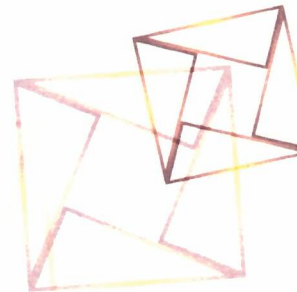
- 6) Delivery to be made to ICTS-TIFR (at vendor's own arrangement). Transit Insurance should be done up to International Centre for Theoretical Sciences-TIFR, Survey No. 151, Shivakote Village, Hesaraghatta Hobli, Bangalore North – 560089.
- 7) Delivery Period: 4 weeks from the date of acceptance of the purchase order and Installation within 4 week from delivery.
- 8) **Liquidated damage:** In case the item is not supplied within the agreed delivery schedule and after a grace period of 07 days, then liquidated damages will be imposed automatically and will be deducted from the bill of the vendor at the rate of 0.5% per week, subject to a maximum of 10% of the order value.
- 9) **Payment:** Within 15 days after delivery, acceptance & satisfactory installation.
- 10) Any dispute or differences that may arise between the parties shall be referred to the sole arbitration of the Centre Director or his nominees. The decision of the arbitrator shall be final and binding on the parties. The venue for arbitration shall be Bangalore. The provisions of the Arbitration and Conciliation Act, 1996 as amended from time to time shall apply. The Courts in Bangalore shall have exclusive jurisdiction to deal with any or all disputes between the parties.

**For and on behalf of International Centre for Theoretical Sciences-TIFR**

**Authorized Signatory**

Administrative Officer - 'C'  
International Centre for Theoretical Sciences  
Tata Institute of Fundamental Research  
Survey No. 151, Shivakote,  
Hesaraghatta Hobli, Bangalore - 560 089.





Ref No: ICTS/TIFR/RFQ/60/2018-19

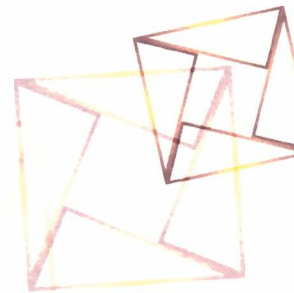
Date: 13/12/2018

**FINANCIAL BID**

Please let us have your lowest Quote for the following:

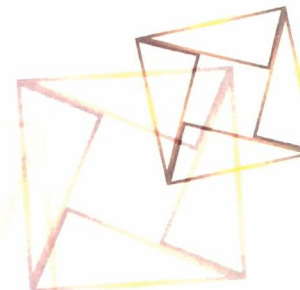
Specifications for Supply & Installation of Large Format Professional Series Interactive Displays				
Sl No	Description	Qty	Rate per unit Rs.	Amount Rs.
1	<b>Supply and installation of large format 65" professional Series interactive display with the specifications of the make Newline VN series or equivalent</b> <ul style="list-style-type: none"> <li>All-in-one design facilitates operation and saves complex hardware and software setting</li> <li>4K HD LED screen uses full lamination technology and high gamut backlight, which completely avoids light refraction and ghosting problems and enables a clear, light and thin screen</li> <li>4K Ultra-High Definition resolution redefines clarity for the images and presentations</li> <li>Should provide good writing experience</li> <li>Should have an option to enable writing mode to be switched over in the Windows and smart systems, and automatically identify pen thickness and color</li> <li>Optically bonded screen with a viewing angle up to 178°</li> <li>Should interact with a non-proprietary pen or with your fingers</li> <li>Should have a slimmer frame design for easier installation</li> <li>Should have a personalized user interface for less clutter, and more efficiency</li> <li>Backlight: LED</li> <li>Active Screen Size: Minimum 65 inch</li> <li>Display Ratio: 16:9</li> <li>Resolution: Minimum 3840 x 2160 Pixels or better</li> <li>Display Colors: Minimum 8-bit</li> <li>Brightness: Minimum 370 nit</li> <li>Contrast: 4000:1</li> <li>Response Time: Less than 8ms</li> <li>Viewing Angle: Minimum 178°</li> <li>Speaker position: Forward with minimum 2 x15W power output</li> </ul>	1 No.		

	<ul style="list-style-type: none"> <li>• Touch Surface: Optical Bonding Anti-Glare   Anti-Fingerprint Glass</li> <li>• Transparency: 88% or better</li> <li>• Touch Points: 20 Touch Points</li> <li>• Writing Tools: Stylus or Finger</li> <li>• Communication Interface USB-A</li> <li>• Working Temperature/Humidity: 0°C-40°C/20-80%</li> <li>• Mounting: Should support both Wall mounted   Floor Stand</li> <li>• Front Interface Inputs: Minimum HDMI 1.4(4K@30Hz) x 1, USB(Touch) x 1, USB(Dynamic) x 2</li> <li>• AV Inputs HDMI 2.0/1.4 (4K@60Hz x 2, 4K@30Hz x 1), DP(4K@60Hz) x 1, USB (Touch) x 4</li> <li>• AV Outputs: HDMI Out (Should support 4k@60Hz) x 1, Line Out x1, SPDIF out</li> <li>• Other in-built PC slots: USB2.0 x 2, USB 3.0 x 1, RS232 x 1, RJ45 x 2, Slots(4K@60Hz), DC 5V-2A out</li> <li>• Should have Intelligent thermo protector</li> <li>• Should include an on-board computer with the following specifications <ul style="list-style-type: none"> <li>➤ Intel® Core i7 CPU</li> <li>➤ Minimum 8GB RAM</li> <li>➤ Minimum 256G SSD</li> <li>➤ I/O ports: <ul style="list-style-type: none"> <li>▪ 3.5 mm MIC x 1</li> <li>▪ HDMI (1.4 4K@24HZ) x 1</li> <li>▪ 3.5 mm line out x 1</li> <li>▪ USB 2.0 x 2</li> <li>▪ USB 3.0 x 2</li> <li>▪ RJ45 x 1</li> </ul> </li> <li>➤ Built-in WiFi: 2.4G/5G</li> </ul> </li> <li>• Warranty: 3 years comprehensive onsite warranty.</li> </ul>			
	<ul style="list-style-type: none"> <li>• Optional but mandatory to quote: 4th and 5th-year comprehensive onsite warranty</li> </ul>			
	<ul style="list-style-type: none"> <li>• Customized floor stand for the above display according to the site requirement (require ICTS approval) <ul style="list-style-type: none"> <li>○ Should have a lever to adjust height</li> <li>○ Trolley Floor Stand with wheels featuring locking castors</li> <li>○ Should include minimum 1 open shelf for placing PTZ camera</li> <li>○ Type: Powder coated Stainless Steel</li> </ul> </li> </ul>			

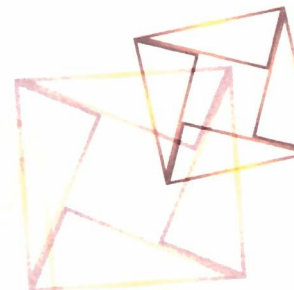


2	<b>Supply and installation of large format 75” professional Series interactive display with the specifications of the make Newline VN professional Series interactive display with the specifications of the make Newline VN series or equivalent</b>	1 No.		
	<ul style="list-style-type: none"> <li>• All-in-one design facilitates operation and saves complex hardware and software setting</li> <li>• 4K HD LED screen uses full lamination technology and high gamut backlight, which completely avoids light refraction and ghosting problems and enables a clear, light and thin screen.</li> <li>• 4K Ultra-High Definition resolution redefines clarity for the images and presentations</li> <li>• Should provide good writing experience,</li> <li>• Should have an option to enable writing mode to be switched over in the Windows and smart systems, and automatically identify pen thickness and color.</li> <li>• Optically bonded screen with a viewing angle up to 178°</li> <li>• Should interact with a non-proprietary pen or with your fingers</li> <li>• Should have a slimmer frame design for easier installation</li> <li>• Should have a personalized user interface for less clutter, and more efficiency</li> <li>• Backlight: LED</li> <li>• Active Screen Size: Minimum 75 inch</li> <li>• Display Ratio: 16:9</li> <li>• Resolution: Minimum 3840 x 2160 Pixels or better</li> <li>• Display Colors: Minimum 8-bit</li> <li>• Brightness: Minimum 370 nit</li> <li>• Contrast: 4000:1</li> <li>• Response Time: Less than 8ms</li> <li>• Viewing Angle: Minimum 178°</li> <li>• Speaker position: Forward with minimum 2 x15W power output</li> <li>• Touch Surface: Optical Bonding Anti-Glare   Anti-Fingerprint Glass</li> <li>• Transparency: 88% or better</li> <li>• Touch Points: 20 Touch Points</li> <li>• Writing Tools: Stylus or Finger</li> <li>• Communication Interface USB-A</li> <li>• Working Temperature/Humidity: 0°C-40°C/20%-80%</li> <li>• Mounting: Should support both Wall mounted   Floor Stand</li> <li>• Front Interface Inputs: Minimum HDMI 1.4 (4K@30Hz) x 1, USB(Touch) x 1, USB (Dynamic) x</li> </ul>			





	<ul style="list-style-type: none"> <li>2</li> <li>• AV Inputs HDMI 2.0/1.4 (4K@60Hz x 2, 4K@30Hz x 1), DP(4K@60Hz) x 1, USB (Touch) x 4</li> <li>• AV Outputs: HDMI Out (Should support 4k@60Hz) x 1, Line Out x1, SPDIF out</li> <li>• Other in-built PC slots: USB2.0 x 2, USB 3.0 x 1, RS232 x 1, RJ45 x 2, Slots(4K@60Hz), DC 5V-2A out</li> <li>• Should have Intelligent thermo protector</li> <li>• Should include an on-board computer with the following specifications <ul style="list-style-type: none"> <li>➢ Intel® Core<sup>i</sup>7 CPU</li> <li>➢ Minimum 8GB RAM</li> <li>➢ Minimum 256G SSD</li> <li>➢ I/O ports: <ul style="list-style-type: none"> <li>▪ 3.5 mm MIC x 1</li> <li>▪ HDMI (1.4 4K@24HZ) x 1</li> <li>▪ 3.5 mm line out x 1</li> <li>▪ USB 2.0 x 2</li> <li>▪ USB 3.0 x 2</li> <li>▪ RJ45 x 1</li> </ul> </li> <li>➢ Built-in WiFi: 2.4G/5G</li> </ul> </li> <li>• Warranty: 3 years comprehensive onsite warranty.</li> <li>• Optional but mandatory to quote: 4th and 5th year comprehensive onsite warranty</li> </ul>				
	<ul style="list-style-type: none"> <li>• Customized floor stand for the above display according to the site requirement (require ICTS approval) <ul style="list-style-type: none"> <li>○ Should have a lever to adjust height</li> <li>○ Trolley Floor Stand with wheels featuring locking castors</li> <li>○ Should include minimum 1 open shelf for placing PTZ camera</li> <li>○ Type: Powder coated Stainless Steel</li> </ul> </li> </ul>				
<b>3</b>	<b>Supply and installation of large format 86" professional Series interactive display with the specifications of the make Newline VN series or equivalent</b>	<b>1 No.</b>			
	<ul style="list-style-type: none"> <li>• All-in-one design facilitates operation and saves complex hardware and software setting</li> <li>• 4K HD LED screen uses full lamination technology and high gamut backlight, which completely avoids light refraction and ghosting problems and enables a clear, light and thin screen.</li> <li>• 4K Ultra-High Definition resolution redefines clarity for the images and presentations</li> <li>• Should provide good writing experience, should have an option to enable writing mode to be switched over</li> </ul>				



	<p>in the Windows and smart systems, and automatically identify pen thickness and color.</p> <ul style="list-style-type: none"> <li>● Optically bonded screen with a viewing angle up to 178°</li> <li>● Should interact with a non-proprietary pen or with your fingers</li> <li>● Should have a slimmer frame design for easier installation</li> <li>● Should have a personalized user interface for less clutter, and more efficiency</li> <li>● Backlight: LED</li> <li>● Active Screen Size: Minimum 86 inch</li> <li>● Display Ratio: 16:9</li> <li>● Resolution: Minimum 3840 x 2160 Pixels or better</li> <li>● Display Colors: Minimum 8-bit</li> <li>● Brightness: Minimum 370 nit</li> <li>● Contrast: 4000:1</li> <li>● Response Time: Less than 8ms</li> <li>● Viewing Angle: Minimum 178°</li> <li>● Speaker position: Forward with minimum 2 x15W power output</li> <li>● Touch Surface: Optical Bonding Anti-Glare   Anti-Fingerprint Glass</li> <li>● Transparency: 88% or better</li> <li>● Touch Points: 20 Touch Points</li> <li>● Writing Tools: Stylus or Finger</li> <li>● Communication Interface USB-A</li> <li>● Working Temperature/Humidity: 0°C-40°C/20%-80%</li> <li>● Mounting: Should support both Wall mounted   Floor Stand</li> <li>● Front Interface Inputs: Minimum HDMI 1.4 (4K@30Hz) x 1, USB(Touch) x 1, USB (Dynamic) x 2</li> <li>● AV Inputs HDMI 2.0/1.4 (4K@60Hz x 2, 4K@30Hz x 1), DP(4K@60Hz) x 1, USB (Touch) x 4</li> <li>● AV Outputs: HDMI Out (Should support 4k@60Hz) x 1, Line Out x1, SPDIF out</li> <li>● Other in-built PC slots: USB2.0 x 2, USB 3.0 x 1, RS232 x 1, RJ45 x 2, Slots(4K@60Hz), DC 5V-2A out</li> <li>● Should have Intelligent thermo protector</li> <li>● Should include an on-board computer with the following specifications <ul style="list-style-type: none"> <li>➢ Intel® Core<sup>i</sup>7 CPU</li> <li>➢ Minimum 8GB RAM</li> <li>➢ Minimum 256G SSD</li> <li>➢ I/O ports:</li> </ul> </li> </ul>			
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	<ul style="list-style-type: none"> <li>▪ 3.5 mm MIC x 1</li> <li>▪ HDMI (1.4'4K@24HZ) x 1</li> <li>▪ 3.5 mm line out x 1</li> <li>▪ USB 2.0 x 2</li> <li>▪ USB 3.0 x 2</li> <li>&gt; RJ45 x 1</li> <li>● Built-in WiFi: 2.4G/5G</li> <li>● Warranty: 3 years comprehensive onsite warranty.</li> <li>● Optional but mandatory to quote: 4th and 5th year comprehensive onsite warranty</li> <li>● Customized floor stand for the above display according to the site requirement (require ICTS approval) <ul style="list-style-type: none"> <li>○ Should have a lever to adjust height</li> <li>○ Trolley Floor Stand with wheels featuring locking castors</li> <li>○ Should include minimum 1 open shelf for placing PTZ camera</li> <li>○ Type: Powder coated Stainless Steel</li> </ul> </li> </ul>			
	<b>Sub Total</b>			
	<b>Add: GST</b>			
	<b>Total Amount in Rupees</b>			
<b>Amount in Words Rupees</b>				

Signature, Name, Address and  
Seal of the proprietor / Managing Partner etc.

Name:

Seal of the Company:

Designation:

Signature :

Date:

**For and on behalf of International Centre for Theoretical Sciences-TIFR**