



Ref No: ICTS/TIFR/RFQ/70/2018-19

Date: 19/12/2018

ENQUIRY

To,

Dear Sir,

**Subject: Enquiry for the Supply, Installation and Commissioning of VC codecs and Cloud based VC SaaS**

**Scope of Work:**

**Supply, Installation and Commissioning of VC codecs and Cloud based VC SaaS**

**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 and Commissioning of VC codecs and Cloud based VC SaaS at ICTS Campus," Ref No. ICTS/TIFR/RFQ/70/2018-19; 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 OEM/bidder should have at least two installations of the proposed VC codecs and Cloud based VC SaaS and proof of the same should be enclosed with the technical bid.
- 5.

**OEM Criteria and minimum qualification**

- The OEM & VCSaaS provider should be an experienced player with Global presence, data center footprints, and working for more than a decade in Video Collaboration industry
- The entire solution of Codec and SaaS should be from same OEM for ease of use and avoid any interoperability challenges.
- The OEM / VCSaaS provider should be recognised by any one of international analyst journals like Gartner, Frost & Sullivan in any of past 3 years
- The OEM should be serving at least 1500+ global customers and 150+ Indian customers
- The OEM should have GDPR compliance

**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 09/01/2019 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) TDS on GST will be deducted at the prescribed rates as per notifications 50/2018 and 51/2018 – Central Tax, dated: 13 Sep 2018.
- 8) Delivery Period: 4 weeks from the date of acceptance of the purchase order and Installation within 2 weeks from delivery.
- 9) 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.
- 10) **Payment:** Within 15 days after delivery, acceptance & satisfactory installation.
- 11) 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/70/2018-19

Date: 20/12/2018

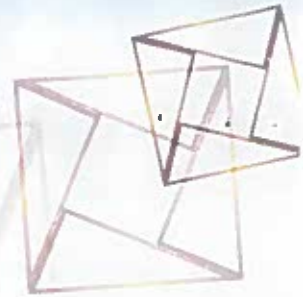
FINANCIAL BID

Please let us have your lowest Quote for the following:

Sl. No	Item Description	HSN/SAC Code	Qty	Rate per unit Rs.	Amount Rs.
1.	<p><b>Supply and installation of video conferencing codec with the specifications of the make Lifesize Icon 600 (Codec Only,1080P) or equivalent</b></p> <p><b>Mandatory System Performances</b></p> <ul style="list-style-type: none"> <li>• The video conference system shall support two full HD video inputs</li> <li>• The video conference system shall support two full HD video outputs</li> <li>• HD Speaker phone, with inbuilt microphones and touch screen for ease of use from same OEM</li> </ul> <p><b>Other Features:</b></p> <ul style="list-style-type: none"> <li>• The video conference system shall support both H.323 and SIP</li> <li>• The system must support 1 Full HD display for people and content, and should be upgradable to 2 Full HD display in future.</li> <li>• The video conference system should be from same OEM provider to avoid any interoperability issues and offer maximum ease of use.</li> <li>• The video conference system should work behind a DHCP network without any NAT, Static IP or Public IP provisioning</li> <li>• The video conference system must support an active schedule mode</li> <li>• The video conference system must support a Meetings directory linked back to a central infrastructure</li> <li>• The video conference system must support a large (up to 100,000 entries) corporate directory</li> <li>• Directory must be easily searchable through remote control</li> <li>• The video codec shall support the following at a minimum: <ul style="list-style-type: none"> <li>➤ 1920x1080 resolution</li> <li>➤ With Progressive Scan @ 30 frames per second</li> <li>➤ 1280x720 resolution</li> </ul> </li> <li>• The video conference system shall utilize a minimal consumption of bandwidth of 768 kbps</li> </ul>		2 No.		



	<p>when supporting 720p at a full 30 frames per second</p> <ul style="list-style-type: none"> <li>● The video conference system must support external Full HD display, 1920x1080p, for a crystal-clear picture and data-sharing.</li> <li>● The video conference system must have automatic noise reduction, automatic gain control and echo cancellation</li> <li>● The video conference system shall support a minimum of 10 camera presets</li> <li>● The system must have HDMI input for connecting any PTZ camera, it should also have stereo input and output for connecting external Audio devices</li> <li>● The video conference system must have high definition audio from 90 Hz up to 22 kHz</li> <li>● The video conference system must support full duplex audio for natural conversations</li> <li>● The video conference system must support one-click easy recording with a recording indicator</li> <li>● The video codec shall support recording of video, audio and presentation to an external appliance. The codec should support either MPEG4 or H.264 video standards. When recording using MPEG4, the recording appliance should not be seen to be a participant in the call, but shall provide a simple recording notification on screen for all participants during the call</li> <li>● The video conference system must support dial-in recording.</li> <li>● The video conference system must support dial-out recording</li> <li>● The video conference system shall support auto-discovery address/directory lookup</li> <li>● The video conference system shall support NAT/firewall traversal (H.460/SIP)</li> <li>● The video conference system must support SNMP</li> <li>● The video conference system must have backup and restore functionality</li> </ul>				
2.	<p><b>Video Conferencing as a Service, VC SaaS with the specifications of Lifesize Cloud Premium 10 - Up to 10 users (1 year) or equivalent)</b></p> <ul style="list-style-type: none"> <li>● Group video calls (up to 40-way)</li> <li>● concurrent conferences 10 conferences can do multi point of up to 40 locations</li> </ul>				



<ul style="list-style-type: none"> <li>● Support service             <ul style="list-style-type: none"> <li>○ Subscription period at least for 1 year, after 1 year, should be able to renew the same subscription</li> </ul> </li> </ul> <p>Video   Teleconference System for multiway calling</p> <ul style="list-style-type: none"> <li>● Multipoint Calling Interface: VC SaaS, Supports up to 40 participants joining on open standards H.323/SIP protocols in at least 10 parallel calls. Anyone can join call from a web browser (Chrome and Internet Explorer), a Mac or PC, a video system, or PSTN. Every user and meeting room is reachable by IP address, URI or telephone number, Every user can create meeting rooms, Full-screen presenter mode, Ability to mute audio / video , Optional security passcode, Centralized management of account and video systems, Usage reports and notifications, Multiple account manager support. It should also be interoperable with Microsoft Skype for Business / Office 365 / Microsoft Lync on Video, Audio and Data sharing. Redundant Architecture providing the benefit of Geo- Redundancy. The solution should be hosted on data centers / platform having at least 12 redundant and virtualized PoPs (point of presence) with at least 1 Data Center in India. The solution should be a comprehensive video, audio bridge giving benefits like chat, presence, directory. The maximum participants in a call should be 40 participants in any combination of audio / video participants with business hours support. The complete solution should be encrypted on AES industry standards and hosted on a secured Data center with GDPR (General Data Protection Regulation) Law</li> <li>● The Solution must offer India toll and toll free number for audio only participants and should be unlimited use. Solution should also be capable of working as an independent audio bridge without any Video participants. The Dialling number should be available in at least 50 countries without any additional usage cost to customer</li> </ul>				
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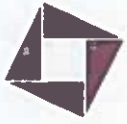


	<ul style="list-style-type: none"> <li>● The solution must provide support for a Microsoft® Outlook Add-in and Google Calendar Chrome Extension.</li> <li>● The solution must be interoperable and work with video systems and infrastructure from the following manufacturers             <ol style="list-style-type: none"> <li>1. Avaya</li> <li>2. Cisco</li> <li>3. Microsoft® Lync®, Lync® Online</li> <li>4. Lifesize</li> <li>5. Polycom®</li> <li>6. Radvision®</li> </ol> </li> </ul>				
3.	<p>Cloud based recording and streaming SaaS with the specifications of Lifesize Unlimited Record and Share with Live Stream support for minimum 500 Viewers (1 year) or equivalent</p> <ul style="list-style-type: none"> <li>● User Friendly: The solution should be user friendly offering benefits such as presence, directory of other end points or users, automatic software and firmware updates, Calendaring and health updates for endpoints registered with the service.</li> <li>● Dialing Pattern: The solution shall support both Dial-out and Dial-in to other users, end points, Public IPs, URLs. During a point-to-point call an end point or a user shall be able to add 3rd or up to 40 participants in the same call to make it a multiparty conference without disconnecting original call. Similarly, a user or end point shall be able to dial or join an on-going PTP or multiparty conference.</li> <li>● All required and existing end points should be able to escalate a PTP call to Multipoint to up to 40 locations.</li> <li>● OEM Support: The bidder should provide Support. While customer can also reach OEM directly for telephonic technical support with business hours support</li> <li>● Call Capability: As per the BOQ, 10 conferences should be able to make concurrent calls. So, the solution should be able to offer at least 10 or more conference calls at the same time each with 40 locations (on H323 or Open</li> </ul>				



	<p>SIP) in HD quality. These 40 sites can be on Video or PSTN Audio.</p> <ul style="list-style-type: none"> <li>• <b>Recording:</b> Facility to record the meetings with single click from endpoint and user should be provided with unlimited storage archival and should be General Data Protection Regulation compliant</li> <li>• <b>Streaming:</b> The same video call can be escalated to a streaming call (without disconnecting the original multipoint call) to up to 500 viewers he required solution should support either a single call of 500 viewers or 10 parallel calls of 50 each Streaming should be unlimited and for a period of 3 years Should be scalable to 10,000 viewers in future Users should join via browsers itself without any plugins The system must instantly make MP4 recordings available in meeting attendee personal libraries directly following a Live Stream event. The system must be capable of dynamically recording the video and presentation feeds. Live Stream must support real-time Q A with option to moderate and approve individual questions or automatically approve all. When the Live Stream is enabled and recording, the recording indicator must be shown on the video system, but this indicator must not be present in the recorded video content.</li> </ul> <p>The recording must be available for on demand viewing immediately after the recording has completed. (Record   Share required)</p>				
Sub Total					
Add: GST					
Total Amount in Rupees					

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



ICTS

INTERNATIONAL  
CENTRE *for*  
THEORETICAL  
SCIENCES

TATA INSTITUTE OF FUNDAMENTAL RESEARCH



Name:

Seal of the Company:

Designation:

Signature:

Date:

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,  
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