



National Center for Biological Sciences  
Tata Institute of Fundamental Research

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ENQUIRY

January 14, 2019

Ref: NCB/CA18-165/181866

Dear Sirs

Please let us have your Quotation for the following:

S.No.	Item Code	Description	Qty	UOM
1	LCQMI000256	<p>Video Conference Equipment with camera</p> <p>The system should support video standard and protocols H261, H263, H 264 High profile, H 323 protocols, TIP, SIP.</p> <p>The system should have video inputs of 1xHDCL, 1xHDMI (1.3), 1x VGA.</p> <p>The system should have video outputs of 2x HDMI (1.3).</p> <p>The system should support people video resolution of 1080p, 60 fps from 1740 kbps.</p> <p>The system should support content video resolution input of HD (1920x1080i), (1920x1080p).</p> <p>The system should have content video resolution output of up to WUXGA (1920x1200).</p> <p>The system should have content frame rate of 5 to 60 fps (up to 1080p resolution at 60 fps).</p> <p>The system should have the inbuilt feature for content sharing i.e. People + content.</p> <p>The system should have audio inputs of 1 x microphone array input port supporting minimum 4 microphone arrays, 1 x USB head support, 1 x 3.5mm stereo line output with multiparty license.</p> <p>The system should have communication interface of 2 x USB (2.0), 1 x RS 232.</p> <p>The system should have good automatic gain control, automatic noise suppression, Noise block technology, good echo cancellation, audio error concealment.</p> <p>The system should support the required audio standard and protocols for the usage of the system.</p> <p>The system should be supplied with the high resolution 1080p 60 capture with true color camera with HDCL interface, auto focus, 12x optical zoom with 180° panning, 65° wide viewing angle and easy to install.</p> <p>The camera should have IR detector inbuilt, AGC inbuilt, Auto Iris.</p> <p>The system should support IPV4 and IPV6.</p> <p>The system should have implemented with the lost packet recovery technology.</p> <p>The system should be supplied with necessary accessories for the complete functioning of the system.</p> <p>The system should operate at 230V, 50 Hz. AC supply.</p> <p>The system should be CE/ ISO certified.</p> <p>The system should be under warranty period of 3 years.</p>	2.00	NO
2	LCQMI000257	<p>Audio Conference Equipment</p> <p>The system should be based on analog for audio conference.</p> <p>The system should have backlight graphical display with caller ID option.</p>	7.00	NOS

- LCQMI000257 The system should be a tabletop phone console.  
 The system should support multiple caller ID's standard.  
 The system should have features of On-hook/ off-hook, conference, mute, Volume up/down keys, menu, navigation keys.  
 The system should have dynamic noise reduction.  
 The system should have reverberation time less than 0.5 seconds.  
 The system should have the frequency response of audio frequency range for speech.  
 The system should have microphone pickup range of minimum 10-15 feet.  
 The system should have at least 3 Cardioid microphone inbuilt.  
 The system should operate in temperature ranging from 5°C to 40°C.  
 The system should have auxiliary audio jack.  
 The system should be supplied with suitable accessories for the functioning of the system.  
 The system should be CE/ ISO certified.  
 The system should be under 3 years warranty.

3	LMAMI001160	HDMI to HDMI male cable - 15 mtrs	2.00	NOS
4	LMAMI001161	HDMI to HDMI Male cable - 5 mtrs	2.00	NOS
5	LMAMI001162	VGA to VGA Male cable - 5mtrs	2.00	NOS

**1. The quotation shall be submitted in a sealed envelope duly superscribed with the enquiry number, and the due date for ..... Ref No: 181866. The bids should be addressed and to be mailed/couriered (sent by post/courier) to 'THE HEAD-PURCHASE'.**

The bids are liable to be rejected if the sealed envelope is not addressed to "THE HEAD-PURCHASE" with Tender Ref No. and Item Description and due date. The bids delivered in person shall be dropped in Purchase Section. If the bids are sent through courier or mail, it should reach by submission date and time and NCBS will not be responsible for the delay.

**2. DUE DATE FOR SUBMISSION OF QUOTATION AGAINST THIS ENQUIRY IS 31/01/2019 BY 5.30PM.**

**3. QUOTATIONS RECEIVED AFTER THE DUE DATE SHALL BE REJECTED.**

4. The validity of your quotation should be for 60 days from the due date.

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

6. Your quotation should indicate delivery period & warranty period.

7. Delivery to be made to our stores. Please indicate charges, if any extra. Transit Insurance should be done upto NCBS Stores.

8. If you are unable to supply the quality, specifications or brand as mentioned in our enquiry, please state so and then offer alternative to quality/specifications.

9. Payment: within one month after delivery & acceptance/satisfactory installation.

10. Please ensure that the enquiry number and the due date is superscribed on the envelope failing which your quotation is liable to be rejected.

11. Since we are a public funded research institution, we are exempted from paying Customs duty (Except ad valorem duty of 5% + 2% Cess and 1% Cus Sec & High Edu. CESS vide Notification No. 51/96 with latest amendments) and excise duty vide Notification No. 10/97 CENTRAL EXCISE dated 01-03-1997 for all scientific equipments, technical instruments, equipments (including computers), their accessories, spares, consumables and software. Hence, please offer your prices

**12. If the item is covered under DGS&D rate contract, please quote the rate as per the DGS&D rate contract with xerox copy of the DGS&D order.**

13. 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.

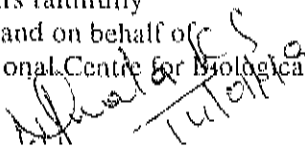
14. TIFR is a public funded research institute and is entitled to concessional rate of GST @ 5% for certain items supplied for research purpose vide notification no. 47/2017 and 45/2017 dated 14th Nov, 2017. The offer should be submitted after fully considering the above notification.

15. Liquidity Damages: If the equipment/ items as per specifications in our P.O. is not supplied (shipped) within the specified delivery schedule, then liquidated damages (not in terms of penalty) will be imposed automatically and shall be deducted from the bill at the rate of 0.5% per week subject to a maximum of 10% of the order value.

16. Income Tax at the applicable rates as per the Indian Income Tax Act 1961 will be deducted at source for the services availed / ordered. In case of service provider, the rate of tax deduction shall be at 2% as per Section 194C, and in case of fee for professional / technical services

Yours faithfully

For and on behalf of  
National Centre for Biological Sciences



Remarks: SITC of Video conference Equipment for SLC and ELC Seminar hall,  
SITC of Audio conference Equipment for SLC and ELC Seminar hall.

## **Specification for Audio conference.**

- The system should be based on analog for audio conference.
- The system should have backlight graphical display with caller ID option.
- The system should be a tabletop phone console.
- The system should support multiple caller ID's standard.
- The system should have features of On-hook/ off-hook, conference, mute. Volume up/down keys, menu, navigation keys.
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## **Specification for Video Conference.**

- The system should support video standard and protocols H261, H263, H 264 High profile, H 323 protocols, TIP, SIP.
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