

# अन्तर्राष्ट्रीय जनसंख्या विज्ञान संस्थान

(विश्वविद्यालय समतुल्य) \*

स्वास्थ्य एवं परिवार कल्याण मंत्रालय, भारत सरकार के प्रशासनिक नियंत्रण के अधीन स्वायत्त संगठन  
गोवडी स्टेशन रोड, देवनार, मुंबई-400 088.

## International Institute for Population Sciences

(DEEMED UNIVERSITY) \*

An autonomous organization under the administrative control of Ministry of  
Health & Family Welfare, Govt. of India

Govandi Station Road, Deonar, Mumbai 400 088.

**Tender No. IIPS /IT/video conf./ 03 /2021**

**Bid Start Date: 17<sup>th</sup> December, 2021**

**Subject: Tender for Supply & Installation of Video Conferencing  
Systems for NFHS Committee room**

**Due Date: 07 January, 2022; 16.00 Hrs.**

Mode of Tender	Two bid systems i.e. Technical Bid and Financial bid *
Date of Uploading the tender on websites	20.12.2021
Last date and time for online submission of bids	07.01.2022 up to 04.00 PM
Date and time for the opening of Technical Bid	12.01.2022 at 3.00 pm
Date and time for the opening of Financial Bid	12.01.2022 at 3.30 pm

\*Documents under technical bid and Financial bid is given in annexure A & B and submitted in sealed envelope separately. The financial bid may be open only after verifying the technical bid.

Tenders are invited from the reputed supplier and service provider of the video conferencing equipment (facility) in the NFHS committee room/premises of size of L20ft to 32ft, B16ft to 20ft and H 9ft to 10ft at IIPS Mumbai. To participate in the bidding process for the supply of video conferencing equipment (facility), the vendor has to submit a demand draft/Bankers' cheque non-refundable processing fee of Rs. 1000/- and returnable Earnest Money Deposit (EMD) of Rs. 5000/ along with the technical bid. However, in case of non-performance of the supply and services, on the selection of the vendor EMD shall be forfeited the facility and services required are as under.

## **TECHNICAL SPECIFICATIONS:**

### **I. Video conferencing System for NFHS Committee room**

#### **1. Camera Quantity: 01**

- Ultra-HD imaging system supports: 4 K, 1440 p, 1080 p, 900 p, 720 p, and SD at 30 fps, 1080 p, 720 p at 30 fps and 60 fps
- Smooth motorized pan, tilt and zoom
- Pan:  $\pm 90^\circ$ , Tilt:  $+50^\circ / -90^\circ$ , 12x Digital zoom and 10x Optical Zoom
- Field of View: Diagonal:  $90^\circ$ , Horizontal:  $82.1^\circ$ , Vertical:  $52.2^\circ$ , Autofocus
- Minimum 3 camera pre-set option
- Video mute/unmute LED indicator
- Lens parks at  $-90^\circ$  in sleep mode or privacy shutter for assured privacy

#### **2. Microphone POD Quantity: 02**

- Pickup range: minimum 4.5 m diameter
- AEC (Acoustic Echo Cancellation), VAD (Voice Activity Detector), Background noise suppression
- Mute button with LED status indicator
- Daisy chain up to 7 Rally Mic Pods
- Frequency response: 90 Hz – 16 kHz
- Sensitivity:  $>-27\text{ dB} \pm 1\text{ dB @ }1\text{ Pa}$  or above
- Microphone data rate: 48 kHz or better
- Captive cable as per requirement (3m or above)
- Handheld wireless microphone required (2 units)

#### **3. SPEAKER: - Quantity: 01**

- High-performance 76 mm driver with a rare-earth magnet
- FOH speaker 30 watts (2 units) Omnidirectional
- Amplifier 40/100 watts
- Removal of camera shake and audio interference
- Speaker volume 95 dB SPL @ 1 W, 100 dB SPL @ 7.5 W, both  $\pm 2\text{ dB}$  at  $\frac{1}{2}$  meter or better
- Sensitivity:  $95 \pm 2\text{ dB SPL}$  at  $\frac{1}{2}$  meter or better
- Distortion: 200 Hz–300 Hz  $< 2.5\%$ , 300 Hz–10 kHz  $< 1\%$  @ 7.5 W
- Speaker sampling rate: 48 kHz or better
- Connection cable as per requirement.

#### **4. TABLE HUB Quantity: 01**

- Single CAT6A cable connection to Display Hub (5 m to 50 m cable as per requirement)

- Active speaker detection: analyses audio from up to 7 Mic Pods and 56 beams every 8ms
- Sound/Mic/Speaker-related Controls should be touch operated in the POD hub/ central device.
  - Ports: 12 Pin connectors for Rally Mic Pod o HDMI Type A pass-through to Display Hub (x2) o USB Type C o USB Type A (reserved for future capability) o USB Type B (connects to meeting room computer) o RJ45 (reserved for future capability) o Power input slot and adapter if required.

## 5. **DISPLAY System: 01**

### ➤ **Television**

- Interactive Television (100 inches) with touchscreen controls and active stylus
- Brightness range 350-900 nits
- Should support up to 4K resolution
- Should support 4:3 and 16:9 aspect ratio

### ➤ **Projector Screen**

- High gamma screen
- Screen size 6'X 4' Diagonal
- Portable Adjustable screen

## 6. **INSTALLATION ACCESSORIES AND CABLES**

- Installation of all the components with all required cables and accessories
- **CAMERA MOUNTING KIT**  
Mounting Kit with cable retainers (x2) and mounting brackets for the camera, speakers (x2), and hubs (x2)
- **MIC POD MOUNT**  
Anchors mics and hides cables for a finished look
- **POD HUB**  
Connect 1-3 Mic Pods (or additional hubs) for placement flexibility and under-table cabling
- **CABLES**  
LAN, HDMI, Power, USB, MIC pod cable or any other cable as per requirement

## 7. **COMPATIBILITY AND CERTIFICATIONS**

- Plug-and-play USB connectivity
- Certified for Skype for Business and Microsoft Teams
- Zoom Certified
- Fuze Certified
- Certified for Google Hangouts Meet Hardware
- Microsoft Cortana® certified
- Cisco Jabber® and WebEx Compatible

- Compatible with Blue Jeans, Broad Soft, GoToMeeting, Vidyo, and other video conferencing, recording, and broadcasting applications that support USB cameras

#### 8. **WARRANTY**

Warranty and Support for 03 Years on all devices.

#### 9. **TRAINING**

- The supplier will provide training to IIPS ICT and NFHS staff for operating and basic maintenance.

#### **ADDITIONAL SPECIFICATION**

- In-built Bluetooth® wireless technology
- RF remote control
- Integrated table/wall mount and TV mount KIT
- Codec based peripheral connection  
LAN, HDMI, Power, USB, MIC pod cable or any other cable as per requirement

#### **WARRANTY**

- Warranty and Support for 3 Years on all devices.
- The warranty will start from the date of successful commissioning of Videoconferencing System with Audio/Video and Streaming Solution at the Academy and a certificate to that effect is being furnished by the contractor that the equipment used in the process of installation are as per the specification given in the tender document and verified by the Academy or any of its representative. The warranty shall cover all the equipment's related to Video Conferencing System with Audio-Video and Streaming facilities including its software for a period of sixty months from the date of its commission

#### **TRAINING**

- The supplier shall provide training to IIPS and NFHS staff regarding the operation and basic maintenance of VC equipment's and discuss the whole system workflow diagram along with a detailed discussion on every equipment.
- **PRESENTATION, DEMONSTRATION AND TRAINING** the Bidder(s), who submit the technical bid with all the mentioned enclosures and meet the eligibility criteria, will be called for a detailed presentation and demonstration. The Presentation consists of the following modules:
  - a.) The date of the presentation demonstration shall be intimated in due course.
  - b.) The Bidder(s) can explain the way they are going to follow for setting up the entire system including Video Conferencing and recording & streaming facility with help of a Schematic diagram.
  - c.) The Bidder(s) should give a complete integrated demonstration using all the equipment required. Those who cannot give/arrange such a demonstration will be rejected.

- d.) The Bidders(s) can present (with photographs) the similar kind of installation they handled. They can also present their experience in Video Conferencing and Audio Video integration. 25.1 Training: Bidder(s) need to provide adequate training to the nominated persons of the Academy at their cost. The Academy will not bear any training expenditure.

## **PREQUALIFICATION CRITERIA**

- The OEM should be a reputed manufacturer providing this kind of solution for many years.
- The bidders should have installed and commissioned such kinds of systems in past.
- The bidder should have multiple people CCNP/CCIE certified.
- The bidder must have multiple offices across India.
- The bidder should be an ISO-certified bidder.
- The bidder must submit a specific MAF for this tender.
- The bidder must submit government work experience certificate & satisfactory report.
- The Bidder must have: •Permanent Account Number (PAN) •Valid DVAT Registration Number• Service Tax Registration Certificate.

## **TERMS OF PAYMENT:**

- a) Payment shall be made by the Accounts Section after delivery at the specified location, after installation, commissioning and satisfactory demonstration of the goods with all specifications and standards to the entire satisfaction of the System Manager, ICT, within 30 days of submission of the invoice.
- b) The bidder may give the details of bank and Account into which the payments are to be made.
- c) Normal commercial warranty/guarantee shall be applicable to the supplied goods.

**ANNEXURE-II****Financial bid (in rupees)**

Sr. No.	Item	Particulars/specification	Qty.	Unit Price in figure	Total price in figure	Total Amount in words
1.	a. Camera  b. Microphone POD  c. Speakers	1.Type of Camera PTZ Camera with speaker phone  02. Remote Accessories Remote for Mid to Large Size Room  03. Type of Camera for Video conferencing Systems integrated Speaker Phone  04. Resolutions 4k (3840x2, 160)  05. Compression Type Format MJPEG  06. Frame Rate 60 fps  07. Zoom Range Optical 15X  08. Zoom Range Digital 5x  09. Field of View (Degree) 90  10. Control Setting of PAN, Tilt, Zoom Yes  10  10.1 Compatible to connect users from broadband internet/MPLS/Lease line network etc. using minimum hardware like PC and Web camera, smart phones, tablet, laptops with webcam etc.  10.2. Compatible to connect the PC/Laptop/other smart devices for presentation sharing over LAN/IP network.  10.03 System should deliver HD video, HD voice & HD content for an overall HD experience.  10.04 High grade Stereo Microphone with codec.  10.05 Provision for connecting two cameras, display unit and audio device (if external audio devices quoted) with codec.				
2.	Recording & Streaming	Provision/Solution for full HD recording and streaming of VC session.				
3.	Required cables	As per actual				
4.	Any other items bidder					

	may like to add for a better facility.					
		Add: All Taxes payable				
		Total				

Note: - All the above items Sl.no. 1 to 3 will be treated as a single package for the purpose of evaluation of financial bids.

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**स्वास्थ्य एवं परिवार कल्याण मंत्रालय, भारत सरकार के प्रशासनिक**  
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1- A	Name of the Bidder (If Bidder is a Company)-	.....
	• Its registration No. under the Companies Act	.....
	• Its registered address	.....
	• Address where it is carrying out its business	.....
	• Its official telephone No (s)	.....
	• Its e-mail ID	.....
	• Its website address, if any	.....
1- B	If Bidder is a Company-	
	• Name of its Directors with their parentage	.....
	• Their telephone No(s) including Mob. Nos.	.....
	• Their residential addresses	.....
	• Their e-mail IDs	.....
1- C	If Bidder is a Partnership Firm-	
	• Its registration No.	.....
	• Its registered address	.....
	• Address where it is carrying out its business	.....
	• Its official telephone No (s)	.....
	• Its e-mail ID	.....
	• Its website address, if any.	.....
1- D	If the Bidder is a Partnership Firm-	
	• Name of its Partners with their parentage	.....



	• Their telephone No(s) including Mob. Nos.	.....
	• Their residential addresses	.....
	• Their e-mail IDs	.....
2.	Details of ISO Certification (If any)	.....
3.	Copy of the GST REGISTRATION CERTIFICATE	.....
4.	Turnover of the bidder for last 3 years (2018-19,2019-20, 2021-22) Minimum turnover of 1 crore per annum.	.....
5.	list of organizations where supplies/ services have been provided by the bidder, including govt. offices	.....
6.	Demand Draft/bankers cheque details for processing fee of Rs. 1000/-	
7.	Demand Draft/bankers cheque details for Earned Money Deposit (EMD) of Rs. 5,000/-	

**Declaration:**

This is to certify that I/We before signing this tender have read and fully understood all the terms and conditions contained herein and undertake myself/ourselves to abide by them.

Date

Place

(Signature of the Bidder)  
Name and Address (With seal)