PP no. 2542/NIV-Purchase/2023-24

Dt. 25th Jan , 2024

QUOTATION ENQUIRY

Sealed quotations are invited on behalf of the Director, ICMR-National Institute of Virology, Pune for **"Video Conferencing System"**. Interested vendors should submit their quotation along with their company/personal profile and details give below:

Sl. No	Specifications & Details	Qty. Required	Remarks
1	Video Conferencing System	1	Specifications Attached

The quotation super scribed as **"PP no. 2542- Video Conferencing System"** addressed to the Director, ICMR-National Institute of Virology, 20-A, Dr. Ambedkar Road, P.B. No.11, PUNE -411 001. (Attention: Administrative officer – Stores), should be either dropped at the Stores Department at NIV Pune or sent through by Speed Post/Courier latest by 3rd Feb , 2024 till 5.00 p.m.
2024

OTHER TERMS & CONDIITONS

1. This is an enquiry and must not be treated as an order.
2. Proper Quotation on Firm Letter Head.
3. The NIV, Pune office reserves the right to accept or reject any or all applicants without assigning any reasons.
4. Any decision taken by the Director, NIV Pune at any point of time in connection with this process shall be final and conclusive and no claim or dispute from any quarter in that regard shall be entertained.
5. No advance payment will be made. The payment will be made on receipt of services availed and satisfactory report of the end users.
6. NIV, Pune will not be responsible for any delay for receipt of quotations.
7. Requirement of Video Conferencing System will either increase or decrease final requirement will be mentioned in the P.O order issued to the firm.

25/01/2024
Administrative Officer

Specification for the Integrated USB all-in-one conferencing device for 20+ seater

General Requirement	Complete camera ,speakerphone , remote control and microphone should be an integrated single OEM solution for ease of use and seamless experience.
	System should support Bluetooth and NFC (Near Field Communication) for audio call integration with mobile phone in the conference room.
	System must have all required certification FCC , CE , RoHS and comply to India E-waste management rules
	System should be Indian Standard: 9000 certified by any of the NABL government laboratory.
	OEM for the system should be ISO 9001:2008 certified.
	All required components of the system should have Government of India - Ministry of Communication & IT approval (WPC - Wireless and planning coordination certified)
	OEM for the system should be listed in India for more than 5 years as on bid calling date.
	To support bidder and for better service to end customer, OEM should have minimum 40 or more authorized service centres across India with atleast one service centre in each of the metro cities : Delhi , Mumbai , Bangalore , chennai from the last 3 years as on bid calling date.
	OEM for the system should be innovative and must have international recoginition from Wainhouse , Frost & Sullivan , let's do video , reddot etc.
	OEM should be profitable organization with overall turnover of minimum 2 billion USD gloabally for the last 2 years.
	OEM for integrated system should be innovative and must have atleast 100 patents awarded to it's name from day one.
Camera	OEM for the system should have option to provide SDK free of cost for the integration of the system in any workflow / Application.
	System should support onboard H.264 with Scalable Video Coding (SVC) , UVC 1.5 for processing of video within the camera and usb Audio class (UAC) to save computing resources on end device/ laptop/PC or codec.
	Output : H.264 ,YUY2,MJPEG.
	Optical Resolution : 2 MP (1080p30fps or above).
	Sensor size : 1/3'' CMOS
	SNR >= 35dB
	Port : USB 2.0 for end device connectivity.
	FOV : Diagonal 90°, Horizontal 81.9°and vertical 59°or above.
	Aperature : F2.0 ~ 3.0
	Should support autofocus.
	Smooth Motorized pan, tilt and zoom from remote control and as well as manually from the speakerphone / control unit placed on the table.
	It should also be possible for user to control camera via simple software application in PC & Mac.
	Lens of the camera should have ZEISS certification
	Should support FECC : Far End camera control.
	Zoom: 10x lossless or better
	Camera Control: Standard VISCA / Mini din 6 pin or equivalent.
	Motorized 260- Degree Pan, 130-degree tilt
	+/-90° Pan range , +35°/-45° tilt range
	Minimum illumination : 10 lux
	Preset : 5 or above
	Should have Kensington Security Slot to ensure physical security of camera in conference room.
	To be supplied with required power adaptor, regional plugs, cables minimum 5mts and mounting bracket.

Integrated Speakerphone	LED for speakerphone streaming , mute , hold and bluetooth pairing so that user is aware about the status of the device.
	LCD to show caller ID, call duration and other functional responses.
	Should have Kensington Security Slot to ensure physical security of device in conference room.
	Audio Technology : Must support Echo cancellation, Noise reduction, ultra-wideband audio.
	Must have full duplex performance for real time communication.
	Frequency response: 120Hz – 14KHz
	Sensitivity: 83dBSPL +/-3dB at 1W/1M
	Max output: 91dBSPL
Integrated Microphones	Distortion: <5 % from 200Hz
	Four inbuilt omni-directional microphones supporting 20-foot or more diameter range
	Frequency response: 100Hz – 11KHz
	Sensitivity: -28dB +/-3dB
	System should be supplied with atleast 2 expansion microphones to increase coverage for large conference rooms.
	Integrated microphone and supported expansion microphone should have mute/unmute button so that user sitting at any corner of conference room have provision to mute/ unmute the complete system with LED indication on each of microphone.
Expansion Microphones	Distortion: <1 % @ 1KHz at 106dB
	Type : Omni-directional
	Should support noise canceling individually.
	Frequency response : 100hz - 20 kHz
	Sensitivity : -24dB
Cable Management and ambience	LED color indicator : Blue -active call ; Red - microphone Mute.
	System should support central mountable cable manager for connection of all components in system so that single USB cable(for camera , speakerphone and microphone) with 3mts of minimum length is connected to end device (laptop,Mac, Codec ,desktop and thin client)
Remote Control	All necessary cables for all the components , power adaptors , regional plugs, quick start guide along with the mounting bracket should be supplied by the OEM.
	Type : Infrared with removable / replaceable batteries.
	System should be supplied with all-in-one remote control to manage Camera (Pan,Tilt, Zoom, Preset) , Speakerphone (volume +/-) and Microphone (mute /unmute)
	System should have the stand / dockable space for the remote control.
	Range 8.5 mts or more
Operating Temperature	Camera should operate from -10 to 55 degree celsius day one and certificate for the same to be furnished.