

**No. MOS/PROP/885/02/2023**  
**Embassy of India**  
**Moscow**  
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**Notice Inviting Bids**

The Embassy of India, Moscow invites bids/offers from interested vendors/suppliers for Supply, Installation and Commissioning of state of the art Video Conferencing System in the Conference Room of main Chancery Building at Ulitsa Vorontsovo Polye 6-8, Moscow, 105064.

**2. Scope of Work:**

A Laptop will be used by the administrator for creating Virtual Conference Meetings using various VC Software like Cisco Webex, Microsoft Meetings, etc or connect to VC Conference by a link and duplicate the display both in 86" Main Display panel and 15.6" portable tilted Monitor of Chairperson. The chairperson and the other delegates should have camera controlled wired Gooseneck microphones.

- 1) The conference Room should be provided with minimum 86 inch UHD Anti-Glare Professional Display.
- 2) A height adjustable Mobile Stand which supports the weight of the above 86 inch Professional Display is required.
- 3) A PTZ Camera which supports Ultra HD with minimum 10x Digital Zoom and 15x Optical Zoom and also which supports camera control is required.
- 4) A Mount for mounting PTZ Camera on Display Panel or otherwise is required.
- 5) Chairperson wired Gooseneck Microphone with integrated base and with Camera Control option which has an excellent noise and feedback reduction and with exceptional clarity and precision.
- 6) Delegate wired Gooseneck Microphones including base with integrated base and with Camera Control option which has an excellent noise and feedback reduction and with exceptional clarity and precision.
- 7) The Chairperson should have a separate portable touchscreen tilted 15.6" Monitor for the purpose of content viewing.
- 8) HDMI Matrix Switcher 4 X 4 which supports 4K Resolution, Full HD and which supports EDID Management and RS-232 and TCP/IP Control.
- 9) Central Unit of Conference System for automatically pointing to the Camera at the active microphone Console is required.
- 10) Digital audio Processor with excellent Echo and Noise Suppression capabilities for audio processing.

- 11) Two-way Stereo active speaker system (one active & one passive model) having flexible mounting options.
- 12) Appropriate Telecommunication mounting cabinet 19 inches which can house some of the related devices mentioned above.
- 13) The necessary cables and consumables required for the Video Conferencing setup is required.
- 14) All the equipment should have related industry standard certifications.

The Scope of the work for the bidder shall be as follows:

- a) Supply of necessary equipment for Video Conferencing System
- b) Installation and commissioning of Video Conferencing System.
- c) Demonstration of working of the video conferencing system and facilitate FAT.
- d) Post FAT Support and maintenance.
- e) Support and maintenance after Warranty Period.

#### **2.1) *Supply of necessary equipment for Video Conferencing System***

- a) Supply of the Video Conferencing equipment as per the "Bill of Material" Section given in Annexure-B and as per the technical specifications defined in Annexure-C.
- b) The Proposed System and its associated equipment should not be end of sale in the next 3 years and end of service life in the next 6 years from the date of submission of the proposal.

#### **2.2) *Installation and Commissioning of Video Conferencing System***

- a) The successful bidder shall be responsible for installation of the Video Conferencing System as per Bill of Materials at the location specified in Annexure-B.
- b) The successful bidder shall be responsible for commissioning of the Video Conferencing System by connecting to the internet provided by the Embassy.
- c) The successful bidder shall be responsible to upgrade all the firmware of all types of devices to the latest version post initialization of the Video Conferencing Solution and shall also install and configure.
- d) The OEM shall provide necessary software upgrades/updates free of cost during the warranty period.
- e) The successful bidder shall be responsible for setting up of all the devices related to the Video Conferencing in a proper manner with electrical connectivity and network connectivity as required.
- f) The successful bidder shall connect all the devices of the Video conferencing System in a proper structured manner following Industry Best Practices.

### 2.3) ***Demonstration of working of the Video Conferencing System and facilitate FAT***

- a) The successful bidder shall be responsible for demonstrating all the features mentioned in the RFP Proposal.
- b) The successful bidder shall be responsible for drafting the test cases for the final acceptance testing of the supplied Video Conferencing Solution in liaison with Second Secretary (Management) and shall also demonstrate and document all the results of the test cases.
- c) The successful bidder shall be responsible for training the technical manpower on the management of the Video Conferencing System.
- d) The successful bidder shall be responsible for drafting and submitting the Standard Operating Procedure (SOP) for management of supplied Video Conferencing Solution

### 2.4) ***Post FAT Support and Maintenance***

- a) The successful bidder is responsible for support for the warranty period for any technical support required for smooth functioning of the supplied Video Conferencing Solution within 12 hours of any such support request raised.

### 2.5) ***Support and Maintenance after Warranty Period***

- a) The successful bidder shall provide support and maintenance for the supplied Video Conferencing system beyond warranty period chargeable on a case to case basis for a further period of five (05) years.

## 3. **Minimum Eligibility Criteria**

- a) **Legally Valid Entity:** The Bidder shall be registered with appropriate Russian Authority for the IT related services. The bidder must be in existence for a minimum period of 5 years as on 01.01.2023. The Bidder must have appropriate licenses and registrations from all relevant authorities.
- b) **Experience:** The bidder must have completed at least 5 similar projects/Works during last 5 years as on 01.01.2023. Relevant Work Order/Agreement/completion certificate should be enclosed.
- c) **Annual Turnover:** The annual turnover of the company should be minimum Rub 50,00,000/- (Ruble fifty lakh only) per annum. Firm/Company's Balance sheet for the last three financial years (i.e. 01.01.2020-31.12.2022) should be enclosed.

{Note: a) The above mentioned eligibility criteria must be supported by documentary

proofs and the same may be provided at the time of submitting technical bids. Failing to do so, bids will be rejected by the Embassy.

#### **4. Performance Security**

The successful bidder has to deposit Performance Security which will be a sum equivalent to 5% of the accepted contract value in favour of Embassy of India, Moscow (payable at Moscow) in form of Bank Guarantee/Fixed Deposit Receipt (FDR), within two weeks from the date of award of contract. Performance Security should remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the service provider.

#### **5. Site Visit**

Interested parties may visit the site from 11.09.2023 to 29.09.2023 to identify the scope of work and for formulating their quotations. A prior appointment should be made with Establishment/Property Section of the Embassy of India, Moscow (Tel. No. +7(495) 783 75 35 /Ext. 339) for this purpose.

#### **6. Payment Schedule**

50% payment of the total price will be made in advance. Remaining 50% payment will be made on successful installation and commissioning of the Video Conferencing System.

#### **7. Submission of Bids**

Companies are required to submit their offers/bids in two bids system (Technical Bid (Annexure-C) and Financial Bid (Annexure-B) in separate sealed cover) superscribed as "Supply, Installation and commissioning of state of the art Video Conferencing System for Embassy of India, Moscow", with detailed breakup. The bids/offers should be valid for a period of three months from the date of opening of bids. The sealed envelope containing the bids/offers should be addressed to Mr. Naorem J. Singh, Head of Chancery, Embassy of India, Vorontsovo Pole 6-8, Moscow, 105 064 so as to reach the Embassy latest by 03<sup>rd</sup> October, 2023 (by 1700 hrs).

#### **8. Opening of Bids**

The bids shall be opened on 04 October, 2023 at 1100 hrs at the Embassy of India, Vorontsovo Pole 6-8, Moscow. Representatives of all the bidding parties can be present at the time of the opening of the bids. The supply order shall be offered to the lowest bidding party by means of a contract, which will be signed with them.

#### **9. Contact Details**

For any queries/clarifications, please contact the Embassy at the following address:

**Embassy of India,  
Vorontosovo Pole 6-8,  
Moscow, 105 064**

**Tel. No. +7(495) 783 75 35/Ext. 339)**

E-mail: [ssmgt.moscow@mea.gov.in](mailto:ssmgt.moscow@mea.gov.in), [prop.moscow@mea.gov.in](mailto:prop.moscow@mea.gov.in)

**10.** The Embassy of India reserves the right to reject any or all the bids or to modify any terms and conditions of the tender without assigning any reason and the decision of the Embassy shall be final and binding. This notice inviting bids is not an offer or an agreement by Embassy of India, Moscow.

(Naorem J. Singh)  
Counsellor (HOC)  
Embassy of India

Vorontsovo Pole 6-8  
Moscow, 105064

Email: [hoc.moscow@mea.gov.in](mailto:hoc.moscow@mea.gov.in)

## Annexure- B

### BILL OF MATERIALS

S.No	Description	Qty	Make & Model	Warranty Period	Quote Price (Rubles)
1	86" Professional UHD Display	1			
2	PTZ camera with Ultra-HD imaging system	1			
3	Mobile Stand	1			
4	Mount for mounting cameras on monitors and Displays	1			
5	Chairperson Gooseneck Microphone with integrated Base	1			
6	Delegates Gooseneck Microphones with integrated Base	12			
7	Monitor with adjustable tilt angle	1			
8	HDMI Matrix Switcher 4 X 4	1			
9	Central Unit of Conference System	1			
10	Digital Audio Processor	1			
11	An Active stereo Set of two way speakers	1			
12	Telecommunication Mounting Cabinet 19"	1			

13	Cables and Consumables				
14	Installation and Commissioning Works				

**Note:** In addition to the serial number 1 to 12 above, any other item(s) proposed which is/are necessary for successful completion of the scope of this RFP, should be clearly mentioned in BOM (Annexure-B) as well as in the technical bids (Annexure-C) submitted by the bidders.

## Annexure-C

### Technical Specification Compliance Sheet

#### 1. Main Display Panel

<b>Item Reference</b>	1		
<b>Item Description</b>	86" Professional UHD Display		
<b>Make</b>			
<b>Warranty Period</b>			
<b>Minimum Performance Parameters</b>	<b>Compliance (YES/NO)</b>	<b>Date Sheet Proof with Page No in Tender Document</b>	
<b>Panel</b>			
Diagonal Size	86"		
Resolution	3840*2160 (4K UHD)		
Brightness	500 nits		
Contrast Ratio	4000:1		
Viewing Angle(H/V)	178/178		
Response Time	8ms		
Aspect Ratio	16:9		
<b>Display</b>			
Lifetime	50000 hrs		
Operation Hour	24/7		
Panel	Anti-Glare Pane1		

<b>Input Connectivity</b>			
RGB	DVI-D, Display Port 1.2 (1)		
Video	HDMI 2.0 (2)		
HDCP	HDCP2.2		
Audio	Stereo mini Jack, DVI, HDMI		
USB	USB 2.0 x 2 USB 3.0		
OPS Compatibility	Yes		
<b>Output Connectivity</b>			
RGB	HDMI 2.0 (Loop-out)		
Audio	Stereo mini Jack		
External Control	RS232C(in/out) thru stereo jack, RJ45		
External Sensor	IR		

## 2. Camera

<b>Item Reference</b>	2		
<b>Item Description</b>	PTZ camera with Ultra-HD imaging system		
<b>Make</b>			
<b>Warranty Period</b>			
<b>Minimum Performance Parameters</b>		<b>Compliance (YES/NO)</b>	<b>Date Sheet Proof with Page No in Tender Document</b>
<b>Image</b>			
Lens	12x Optical Zoom		
Signal to noise ratio	> 50 dB		
Noise suppression	2D / 3D		
Day/night mode	supported		
mirror image	supported		
Viewing angles	6.3° (Wide) ~ 72.5° (Tele)		
<b>PTZ Settings</b>			
Rotation angles	170°~+170°		
Tilt angles	30° ~ + 90°		
Camera position	128 presets via RS-232		

memory	control port, 10 presets via remote control		
<b>Interfaces</b>			
Video	IP, HDMI, 3G-SDI, USB3.0		
Control	RS 232, RJ45, RS485, USB3.0, USB2.0		
External Sensor	IR		

### 3. Mobile Stand

<b>Item Reference</b>	3		
<b>Item Description</b>	Mobile Stand		
<b>Make/ Brand</b>			
<b>Warranty Period</b>			
<b>Minimum Performance Parameters</b>		<b>Compliance (YES/NO)</b>	<b>Data Sheet Proof with Page No in Tender Document</b>
For Diagonal TV	70 inches to 100 inches		
Maximum Load	120 kg		
Vertical Height adjustment	Yes		
Cable Management	Yes		
Sturdy Steel Base	Yes		

### 4. Mount for Mounting Cameras

<b>Item Reference</b>	4		
<b>Item Description</b>	Mount for Mounting Cameras		
<b>Make/ Brand</b>			
<b>Warranty Period</b>			
<b>Minimum Performance Parameters</b>		<b>Compliance (YES/NO)</b>	<b>Data Sheet Proof with Page No in Tender Document</b>
Compatibility	Compatibility with PTZ Camera		

5. Chairperson Gooseneck Microphone with integrated Base (Wired)

<b>Item Reference</b>	5		
<b>Item Description</b>	Chairperson Gooseneck Microphone with integrated Base (Wired)		
<b>Make</b>			
<b>Warranty</b>			
<b>Minimum Performance Parameters</b>		<b>Compliance (YES/NO)</b>	<b>Data Sheet Proof with Page No in Tender Document</b>
Frequency Response	15Hz - 15000Hz		
Signal to Noise Ratio	75 DB		
Headphone output	Jack 3.5 mm		
Shielded Microphone (Immune to Mobile Phone interference)	yes		
Microphone on/off Button	yes		
Removable Microphone connector	yes		
Supercardoid pickup pattern	yes		
Size of Microphone	Between 15 and 19 inches		

6. Delegates Gooseneck Microphones with integrated Base (Wired)

<b>Item Reference</b>	6		
<b>Item Description</b>	Delegates Gooseneck Microphones with integrated Base (Wired)		
<b>Make</b>			
<b>Warranty</b>			
<b>Minimum Performance Parameters</b>		<b>Compliance (YES/NO)</b>	<b>Data Sheet Proof with Page No in Tender Document</b>

Frequency Response	15Hz - 15000Hz		
Signal to Noise Ratio	75 DB		
Headphone output	Jack 3.5 mm		
Shielded Microphone (Immune to Mobile Phone interference)	yes		
Microphone on/off Button	yes		
Removable Microphone connector	yes		
Supercardoid pickup pattern	yes		
Size of Microphone	Between 15 and 19 inches		

7. Monitor with adjustable tilt angle

<b>Item Reference</b>	7		
<b>Item Description</b>	Monitor with adjustable tilt angle		
<b>Make</b>			
<b>Warranty</b>			
<b>Minimum Performance Parameters</b>	<b>Compliance (YES/NO)</b>	<b>Data Sheet Proof with Page No in Tender Document</b>	
Size	15.6 inches		
Adjustable Tilt angle	Yes		
Resolution	1920x1080 Full HD		
Aspect ratio	16:9		
Standard Input	VGA, HDMI		

8. HDMI Matrix Switcher

<b>Item Reference</b>	8		
<b>Item Description</b>	HDMI Matrix Switcher 4 X 4		
<b>Make</b>			

<b>Warranty</b>			
<b>Minimum Performance Parameters</b>		<b>Compliance (YES/NO)</b>	<b>Data Sheet Proof with Page No in Tender Document</b>
Compatible devices	Monitors, Laptops, PCs, Media Players etc		
Type of Signals	HDMI 2.0 a (4K/60 4:4:4) HDCP 1.4 and 2.2		
Video Resolution	VESA and SMPTE : 480 p to 2160 p (4K)		
Audio	Dolby True HD Dolby Digital Plus Dolby Atmos		
Frame	Metal		

#### 9. Central Unit of Conference System

<b>Item Reference</b>	9		
<b>Item Description</b>	Central Unit of Conference System		
<b>Make</b>			
<b>Warranty</b>			
<b>Minimum Performance Parameters</b>		<b>Compliance (YES/NO)</b>	<b>Data Sheet Proof with Page No in Tender Document</b>
Operating Modes	Voice Control, LIFO, FIFO, Chairman Mode		
Number of Microphones Supported	> 100		
Number of Chairman Units	>4		

#### 10. Digital Audio Processor

<b>Item Reference</b>	10		
<b>Item Description</b>	Digital Audio Processor		

<b>Make</b>			
<b>Warranty</b>			
<b>Minimum Performance Parameters</b>		<b>Compliance (YES/NO)</b>	<b>Data Sheet Proof with Page No in Tender Document</b>
USB Digital Channels	YES		
Management Interfaces	RS232   RS485   GPIO   ethernet		
Sampling frequency	48 Khz at 24 bits		
Frequency Response	20 - 20 kHz		
Working Temperature	-10 – 70 C		

11. An Active stereo Set of two way speakers

<b>Item Reference</b>	11		
<b>Item Description</b>	An Active stereo Set of two way speakers		
<b>Make</b>			
<b>Warranty</b>			
<b>Minimum Performance Parameters</b>		<b>Compliance (YES/NO)</b>	<b>Data Sheet Proof with Page No in Tender Document</b>
Dynamic Power	2 X 40 W		
Sensitivity (1 W / 1m)	89 DB		
Sound Pressure	105 DB		
Frequency	80 Hz – 20 KHz		
Colour	Black		
Mounting Bracket	Yes		

12. Telecommunication Mounting Cabinet 19”

<b>Item Reference</b>	12		
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<b>Item Description</b>	Telecommunication Mounting Cabinet 19"		
<b>Make</b>			
<b>Warranty</b>			
<b>Minimum Performance Parameters</b>		<b>Compliance (YES/NO)</b>	<b>Data Sheet Proof with Page No in Tender Document</b>
Front and rear door	Metal with perforation		
Lock	Lock with handle on the front door		
IP Degree	IP 20		
Load	> 600 KG		
Fan Module in the Roof	yes		
Material	Cold Rolled Steel		