

No. MOS/PROP/885/03/2023
Embassy of India
Moscow

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 live streaming system of the stage area into two other 4K UHD Professional Display Panels in the DP Dhar Hall of main Chancery Building at Ulitsa Vorontsovo Polye 6-8, Moscow, 105064.

2. Scope of Work:

A High resolution 4K UHD PTZ Camera should be used for capturing the event happening in the Stage and this will be live streamed with the help of necessary equipment into two 4K UHD Professional Display Panels which are wall mount in the back of the DP Dhar Hall for the convenience of viewers sitting in the back of the hall.

- 1) The DP Dhar Hall will be provided with two adjustable wall mount 4K UHD Professional Display Panels for displaying the *live streaming of the stage* area into the display panels.
- 2) A High Resolution PTZ Camera should be used for capturing the complete stage area and the same should be live streamed into the LED Display Panels. The possibility of using the existing Logitech Rally Plus PTZ Camera in the Embassy has to be explored.
- 3) The High Resolution PTZ Camera should be able to capture the speaker on the stage, which should be live streamed both on the LED screen on the stage as well as on the Display Panels wall mounted on the back.
- 4) Adjustable wall mounts for the two display panels are required.
- 5) A ceiling Mount for mounting high resolution PTZ camera is required.
- 6) HDMI Matrix Switcher 4 X 4 which supports 4K Resolution, Full HD is required.
- 7) Other necessary equipment as mentioned in Bill of Materials is required.
- 8) The necessary cables and consumables required for the projecting setup is required.
- 9) 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 live streaming of the Stage to two displays
- b) Installation and commissioning of the live streaming of the Stage to two displays.

- c) Demonstration of working of the live streaming of the stage to two displays and facilitate FAT.
- d) Post FAT Support and maintenance.
- e) Support and maintenance after Warranty Period.

2.1) Supply of necessary equipment for live streaming of the stage to two displays

- a) Supply of the live streaming of the stage related 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 the live streaming of the stage to two displays

- a) The successful bidder shall be responsible for installation of the live streaming of the stage area into two other 4K UHD Professional Display Panels as per Annexure-B at the location specified in the RFP.
- b) The successful bidder shall be responsible for commissioning of the live streaming of the stage area into two other 4K UHD Professional Display Panels.
- 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 Live streaming 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 live streaming system from stage area in a proper manner with electrical connectivity and network connectivity as required.
- f) The successful bidder shall connect all the devices of the live streaming System in a proper structured manner following Industry Best Practices.

2.3) Demonstration of working of the live streaming of the stage to two displays 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 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 Live Streaming Solution in DP Dhar Hall.
- d) The successful bidder shall be responsible for drafting and submitting the Standard Operating Procedure (SOP) for management of supplied Live Streaming 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 live streaming 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 live streaming solution 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 18.09.2023 to 05.10.2023 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. Pre-bid meeting

i. A prospective bidder, requiring a clarification on the Tender document shall notify Embassy of India, Moscow via email to ssmngmt.moscow@mea.gov.in/prop.moscow@mea.gov.in within the time-frame.

ii. Embassy of India, Moscow will conduct the Pre-bid Meeting on 05.10.2023 at 1500 hours (Moscow Time) virtually to address the submitted queries.

7. 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 Live Streaming System.

8. 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 Live Streaming 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, Vorontsove Pole 6-8, Moscow, 105 064 so as to reach the Embassy latest by 10th October, 2023 (by 1700 hrs).

9. Opening of Bids

The bids shall be opened on 11 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.

10. 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: ssmgmt.moscow@mea.gov.in, prop.moscow@mea.gov.in**

11. 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

Annexure- B

BILL OF MATERIALS

S.No	Description	Qty	Make & Model	Warranty Period	Quote Price (Rubles)
1	43" 4K UHD Professional Display Panels	2			
2	High Resolution 4K UHD PTZ Camera	1			
3	Universal tilt-and-turn wall mount	2			
4	Ceiling Bracket for PTZ Camera	1			
5	Signal Transmitter and receiver HDBaseT	3			
6	HDMI Matrix Switcher 4x4	1			
7	PoE Switch	1			
8	Control Panel for PTZ Cameras over IP network	1			
9	Monitor 24 inches	1			
10	Cables and Consumables				
11	Installation and Commissioning Works				

Note: In addition to the serial number 1 to 9 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.

Technical Specification Compliance Sheet

1. Two Professional Display Panels

Item Reference	1		
Item Description	43" 4K UHD Professional Display Panel		
Make			
Warranty Period			
Minimum Performance Parameters		Compliance (YES/NO)	Data Sheet Proof with Page No in Tender Document
Panel			
Diagonal Size	43"		
Type	IPS		
Resolution	3840*2160 (4K UHD)		
Brightness(Typ.)	500 nits		
Contrast Ratio	1200:1		
Viewing Angle(H/V)	178/178		
Input Connectivity			
RGB	Display Port - 1		
Video	HDMI 2.0 (2)		
HDCP	HDCP2.2		
USB	2		
RJ45	1		
Output Connectivity			
External Control	RS232		
External Sensor	IR		

2. High Resolution 4K UHD PTZ Camera

Item Reference	2		
Item Description	High Resolution 4K UHD PTZ Camera		
Make			
Warranty Period			
Minimum Performance Parameters		Compliance (YES/NO)	Data Sheet Proof with Page No in Tender Document
Image			
Lens	12x Optical Zoom		
Viewing angles	6.3° (Wide) ~ 72.5° (Tele)		
Video Standards	H.265 / H.264		
PTZ Settings			
Rotation angles	170°~+170°		
Tilt angles	30° ~ + 90°		
Camera position memory	128 presets via RS-232 control port, 10 presets via remote control		
Interfaces			
Video	IP, HDMI, 3G-SDI, USB3.0		
Control	RS 232, RJ45, RS485, USB3.0, USB2.0		
Power	DC12V		
External Sensor	IR		
PoE Support	Yes		

3. Universal tilt-and-turn wall mount

Item Reference	3		
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Item Description	Universal tilt-and-turn wall mount		
Make/ Brand			
Warranty Period			
Minimum Performance Parameters		Compliance (YES/NO)	Data Sheet Proof with Page No in Tender Document
For Diagonal TV	40 inches to 60 inches		
Maximum Load	100 kg		
Swivel Feature	90 Degrees of Rotation		
Tilting Feature	Upwards tilt of 15 degrees Downwards tilt of 15 degrees		
Material	Powder coated Carbon Steel		

4. Ceiling Bracket for PTZ Camera

Item Reference	4		
Item Description	Ceiling Bracket for PTZ Camera		
Make			
Warranty			
Minimum Performance Parameters		Compliance (YES/NO)	Data Sheet Proof with Page No in Tender Document
Compatibility	Compatible with the PTZ Camera.		

5. Signal Transmitter and Receiver HDBaseT

Item Reference	5		
Item Description	Signal Transmitter and Receiver HDBaseT		

Make			
Warranty			
Minimum Performance Parameters		Compliance (YES/NO)	Data Sheet Proof with Page No in Tender Document
Video Resolutions	1920 X 1080p 3840 X 2160p		
Output Video Encoding	HDBaseT		
HDCP Compliance	yes		
4K Support	yes		
IR Interface	yes		
RS-232 interface	yes		
System Range	150 ft		

6. HDMI Matrix Switcher

Item Reference	6		
Item Description	HDMI Matrix Switcher		
Make			
Warranty			
Minimum Performance Parameters		Compliance (YES/NO)	Data Sheet Proof with Page No in Tender Document
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		

7. PoE Switch

Item Reference	7		
Item Description	PoE Switch		
Make			
Warranty			
Minimum Performance Parameters		Compliance (YES/NO)	Data Sheet Proof with Page No in Tender Document
Interface	10/100mbps/1000mbps RJ45 Ports Auto Negotiation		
Fan Quality	Fanless		
PoE Ports	Standard : 802.3 Compliant PoE Power Budget: 64W		
Quality of Service	Rate Limit Storm Control		
L2 Features	IGMP Snooping PoE Auto Recovery		
VLAN	Support VLAN		
Management	Web based GUI		

8. Control Panel for PTZ Cameras over IP network

Item Reference	8		
Item Description	Control Panel for PTZ Cameras over IP network		

Make			
Warranty			
Minimum Performance Parameters		Compliance (YES/NO)	Data Sheet Proof with Page No in Tender Document
Supported Protocols	VISCA , ONVIF, PELCO-P , PELCO-D		
PoE Support	Yes		
LCD Display	Yes		
Interfaces	RS-232, RS-485, LAN Port		
Video Standards	H.265 / H.264		

9. Monitor 24 inches

Item Reference	9		
Item Description	Monitor 24 inches		
Make			
Warranty			
Minimum Performance Parameters		Compliance (YES/NO)	Data Sheet Proof with Page No in Tender Document
HDMI Port	Yes		
Support for FULL HD	Yes		
Compatible with Other devices in the system	Yes		
