

Bern/Admn/855/02/2018
Embassy of India
Berne

TENDER NOTICE

Subject: Tender for supply and installation of Video Conferencing system at Embassy of India, Berne.

The Embassy of India, Berne invites sealed tenders from professional companies/firms for supply and installation of Video Conferencing system at Embassy of India, Berne.

2. The Scope of work, terms and conditions would be as follows:

- a) Supply and installation of Sony PCS XG 55 Video Conferencing equipment, 40 inch LCD/Plasma TV with HDMI Port and on KVA Ups. It will also include cable and terminal devices like router and media converter.
- b) Video coding standards - H.264 SVC & AVC.
- c) Audio Coding Standards- G.722, G.722.1, MPEG-4, AAC-LC.
- d) Live Video Features- 720p30,1080p30,1080p60 (preferable)
- e) Minimum Bandwidth required for video quality (1080p60) at End Point/ Far-site end = 1Mbps.
- f) Interface to record the ongoing Video Conferencing Session of both Near End and Far End along with mixed Audio @ 1080p60 through USB within Codec in device (Not through cloud/ Network based/ Server Based).
- g) The End point should have capability to upgrade to multi-point (atleast 1+3 Sites) @1080p60 Full HD, in future, by using add-on software on existing codec over IP (Not via external hardware/ Server/ Cloud).
- h) End point should support multipoint calls at full HD 1080p60 resolution in continuous presence mode (DHCP).
- i) End point should have 1080p60fps PTZ camera with minimum 10X Optical Zoom.
- j) The complete solution which includes Software and Hardware bundle should be from the same OEM.

- k) The Codec should be an independently/ specifically designed standalone device with embedded menu driven GUI, Audio-Video I/O Ports, Network and control ports etc. inbuilt on its back plane.
- l) Should be H.323 and SIP Compliant (It should be IP Based Hardware System not a PC Based stack up system with software loaded on it).
- m) Built-in acoustic echo canceller with noise reduction
- n) Input/ Output ports :
 - a. Input- 2xHDMI/DVI ports
 - b. Output-2xHDMI/DVI ports
- o) No. of Microphones supported -atleast 1.
- p) No. of Camera supported (should be from same OEM) -1
- q) IPV6 ready.
- r) It should support Far End control protocol H.281
- s) It should support H.239 dual stream protocol for sending/receiving content/presentation along with Full HD live video.
- t) One line level auxiliary audio output to connect external audio system.
- u) Interface (HDMI/VGA) to connect a Laptop/PC/Console.
- v) Should be IP Based (ISDN/BRI not required)
- w) Should support dual monitors for display.
- x) Picture-in-picture of side by side picture support.
- y) High quality microphones with echo cancellation
- z) Support for additional/external high quality microphone
 - aa) Behind Network Address Translation (NAT) firewall traversal.
 - bb) Global Directory- Display of active participants/H.350/LDAP protocol
 - cc) E.164 dialing using H.323 Gatekeeper
 - dd) Web based management for video conferencing endpoint

3. Interested companies may submit their tenders in separate sealed covers to the Embassy on or before 1700 hours on 31 May, 2018. The sealed cover should clearly indicate "Quotation for Video Conferencing system" and should be sent by post or hand delivered to the Head of Chancery, Embassy of India, Kirchenfeldstrasse 28,CH-3005, Berne.

4. The tenders will be opened at 1600 hrs. on 04 June, 2018 by the Tender Evaluation Committee in front of the vendors or their representatives. The decision of the Tender Evaluation Committee regarding the award of the tender with due regard to the scope of work indicated above will be final.

5. For any tender related enquiry/clarification please contact Mr. Abhishek Shukla by E-mail admn.berne@mea.gov.in or by phone (0313501138).



(Bhaskar Bhatt)
First Secretary & HOC