

## Requirement for conducting Videoconferencing Session from Outside NICNET / over Internet

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### A. Network Connectivity

- a. 10 Mbps Internet Leased Line (ILL circuit) / Leased lines from any other network services providers with a Public IP address over Fibre connection with suitable adapter for providing RJ-45 (Ethernet connection).

**NOTE: 1. Broadband connection, Wi-Fi Connectivity or RF Radio link are not suitable for Videoconferencing**

2. Any Extensions of networks over Wi-Fi networks for primary connectivity is not suitable. Do not share this bandwidth for other applications.

- b. Backup link of at least 4 Mbps or more capacity Internet leased / Internet line from different service providers over Fibre connection with suitable adapter for providing RJ-45 (Ethernet connection).

Or

4 Mbps leased Line to nearest NIC centre (subjected to availability of Router ports at NIC Centre)

- c. Network Components such as Routers, Ethernet Switches etc. if required for establishing network connectivity shall be also be considered.
- d. Network connectivity at the site of the event shall be available two days before of the event. All the testing should be completed one day before the event.

### B. Audio Visual and Videoconferencing equipment

1. High Definition (HD) 1080p30/1080p60 Videoconferencing equipment or better (**Cisco /Life-size/Polycom/Sony or equivalents which has direct HDMI Video out and HDMI Video Inputs**) to work on IP (H.323/SIP Compliant) with support to connect two or more cameras through HDMI Video inputs.
2. External Video Cameras with Camera men as per the requirements of the event coverage. Generally 2 to 4 Cameras will be required (requirement of additional cameras depends on the site conditions and number of participants and layout of the event location).
3. Any Converter required for HD Cameras/Mixers (such as HD-SDI to HDMI) for converting to HD1080p30 standard.

4. 1 No. of Laptop numbers of latest configuration will be require for on figuration and management of the event.
5. 40"/50" or bigger size LED Monitor 2 / TV (with HDMI Input) 2 nos. for viewing by dignitaries from dais. These units shall be placed opposite to Dias.
6. 2 or more nos. of Large size LED Wall/screen/Projectors (or more numbers based on the event location) for Audience. LED walls are optional and would be required for outdoor events.
7. 2 Nos. of additional 32"/40" LCD TVs with HDMI input for Control Station (Optional).
8. 2 No.s of Video Mixer for selected number of cameras with suitable interface to connect to Videoconferencing system. (Generally HDMI output of 720p/1080p resolution - 2nos.).
9. Video Distributor with HDMI input and HDMI for 1080p resolutions output for connection to large screen displays.
10. Audio Mixer - 2 nos. with sufficient connecting cables. Mixer should have options to cut-off any input and adjust the level of the inputs. It should have at least one additional line level input (RCA/Phono) and one line level (RCA/Phono) to connect Videoconferencing system.
11. PA system with suitable no. of Microphones for Dias/Stage and 3-4 additional Cordless microphones for interaction with audience, if required.
12. PA system shall provide suitable input and output to interfacing with
13. Videoconferencing system. If any of the equipment is already being used for local functions, may also be shared.

### **C. Audio Visual and Videoconferencing equipment**

1. 5KVA Online UPS with 1 hour backup VC equipment. (Size of UPS may depend on the number of displays and other equipment installed at site.
2. Suitable Generator backup for Power supply (for outside events).
3. Extension boards with 5 Ampere sockets (as per site requirements).

### **D. Other logistics.**

1. A Nodal officer may nominated for this event and with NIC officers to coordinate with various agencies involved.
2. Transportation / Vehicle may be arranged for visiting and testing during initial site visits/testing/setups and also on actual event. (for Local Delhi/NCR events Only).
3. A Mobile Phone/Land line (preferred) connection to communicate with the VC Control room at New Delhi from the event location.

Check List to be complied for Videoconferencing and information to be furnished back at [vc-delhi@nic.in](mailto:vc-delhi@nic.in) & [ramana@gov.in](mailto:ramana@gov.in)

1. Total number of audience expected: \_\_\_\_\_
2. Any interaction proposed with PM \_\_\_\_\_
3. Lease line connectivity of 10 Mbps with Ethernet (RJ-45) output:  
Name of the Service Provider: \_\_\_\_\_  
IP Address: \_\_\_\_\_
4. Backup leased line connectivity of 4 Mbps (min)  
Name of the Service Provider: \_\_\_\_\_  
IP Address: \_\_\_\_\_
5. Make and Model of Videoconferencing System being used as main equipment.  
Make \_\_\_\_\_ Model \_\_\_\_\_
6. Make and Model of Videoconferencing System being used as backup equipment:  
Make \_\_\_\_\_ Model \_\_\_\_\_
7. Availability of UPS? Yes / NO  
Capacity \_\_\_\_\_ KVA Duration of Backup \_\_\_\_\_
8. Number of Display Monitor proposed: \_\_\_\_\_
9. Number of Cameras Proposed : \_\_\_\_\_
10. Audio systems / PA Systems in place: \_\_\_\_\_

**For further details may please contact**

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