

# 1. Requirement for conducting Videoconferencing Session from Outside NICNET / over Internet for PM's Interaction

## (FOR SRINAGAR LOCATION)

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### A. Network Connectivity

- a. Minimum 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).
- 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 four days before of the event. All the testing should be completed one day before the event.**

### B. Audio, Video and Videoconferencing equipment

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.

1. 40"/50" or bigger size LED Monitor / TV (with HDMI Input) 2 nos. for viewing by Participants
2. PA System for Audio
3. Videoconferencing system. If any of the equipment is already being used for local functions, may also be shared.

### C. UPS

1. 2KVA Online UPS with 1-hour backup VC equipment.
2. Suitable Generator backup for Power supply (for outside events).
3. Extension boards with 5 Ampere sockets (as per site requirements).

## 2. Requirement for conducting Videoconferencing Session from Outside NICNET / over Internet for PM's Interaction with Beneficiaries / participants

### (FOR OTHER LOCATIONS - FOR TWO WAY INTERACTION)

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#### A. Network Connectivity

- e. Minimum 4 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.**

- f. 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).
- g. **Network Components such as Routers, Ethernet Switches etc. if required for establishing network connectivity shall be also be considered.**
- h. **Network connectivity at the site of the event shall be available four days before of the event. All the testing should be completed one day before the event.**

#### B. Audio, Video 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. 40"/50" or bigger size LED Monitor / TV (with HDMI Input) 2 nos. for viewing by Participants
3. PA System for Audio
4. Videoconferencing system. If any of the equipment is already being used for local functions, may also be shared.

#### C. UPS

4. 2KVA Online UPS with 1-hour backup VC equipment.
5. Suitable Generator backup for Power supply (for outside events).
6. Extension boards with 5 Ampere sockets (as per site requirements).

### **3. Requirement for conducting Videoconferencing Session from Outside NICNET / over Internet for PM's functions.**

**(FOR ONLY LIVE VIDEO FROM SITES NEEDS TO BE SHOWN AT PM LOCATIONS/SHRI NAGAR & NO INTERACTION)**

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#### **A. Network Connectivity**

1. 4 Mbps Internet Connection (Broadband or Wi-Fi Connection) with preferably 2 Mbps or more speed Upload
2. Backup link of at least 4 Mbps or more capacity Internet leased / Internet line from different service providers

#### **B. Videoconferencing equipment**

1. A Good / latest Desktop/Laptop System of typical configuration as given below
  - a. Intel i7 or equivalent process
  - b. 4 GB RAM
  - c. 200 MB Free Disk space
  - d. Windows Operating systems
  - e. HD Web Cam

Or Apple Mac Book / iMac System – i5 Processor, 4 GB RAM

2. Hand held Microphone (preferably wireless) with suitable connectors to connect PC/Desktop System
3. Good quality Speaker (100W) or more as per requirement or location. (May also be connected to Local PA system, if available)
4. For smaller group of audience, USB based Microphone-cum-spears are preferred such as Jabra 410/510, Clear One 50 / 150 models, Phenix duet etc.
5. Bigger TV / LED / Projector for viewing as per number of audiences.

#### **C. UPS / Battery**

1. Fully charged battery with 2 hour backup

## **4. Requirement for participation of locations / watching live events through Web cast**

### **A. Network Connectivity**

1. Internet Connection (Broadband or Wi-Fi Connection) with preferably 2 Mbps or more speed Upload

### **B. Videoconferencing equipment**

2. A Good / latest Desktop/Laptop System of typical configuration as given below
  - a. Intel i5 or equivalent process
  - b. 2 GB RAM
  - c. Windows Operating systems
3. Good quality Speaker (100W) or more as per requirement or location. (May also be connected to Local PA system, if available)
4. Bigger TV / LED / Projector for viewing as per number of audiences.

### **C. UPS / Battery**

5. Fully charged battery with 2 hour backup