Section VI- Technical Specification for procurement of **Conversion of video conference in to the web enabled Android platform: Desktop / Laptop / Mobile - Android and iOS client based Videoconferencing.**

Conversion of video conference into web enabled Android platform.

Specifications:

• **Videoconference client should work in Android platform - in** 1482 tablet touch screen systems available- to Join and Host Meetings

• **Videoconference client should have CPU load consumption of 60% or less in the Android Tablets**

• Web/GUI based management access to help the user to manage the conferences.

• Mobile client licenses – Minimum 2000 client licenses/downloads should be provided for support to mobile platform with 40 concurrent licenses to connect to the MCU.

• Mobile client should work in Android as well as iOS tablets and full Conference functionality with both WiFi and 3G/4G connection.

• The mobile client should be downloadable from central server.

• The Mobile client should be able to display the presentation/ data sharing shared by remote sites and should have application for use of mobile/tablet as whiteboard.

• The mobile client should be able to share presentations, desktop display or documents /application sharing to the participants in the Video Call at modes up to 720p.

• The mobile client should be able to support continuous presence (CP) and Voice activated (VA) mode selectable by the users.

• The Mobile client should use least CPU resources: less than 50% CPU load in full screen HD video and or presentation.

• Should support PIN protected conferences.

• Mobile client should have ability to handle packet loss minimum 10% or higher to deliver consistent quality to users.

• Should be able to control far end camera.

• Should support AES 128 bit encryption, NAT/firewall traversal and global directory enable at the Mobile.

• The mobile client should be able to run on latest iOS and Android OS.

• All applications and meetings should support the Unicode font and Tamil language.

Essential Requirement

It should work with existing MCU.

Mandatory Requirements
1. Should be in the field of IT and IT enabled services and should have a minimum of three years experience in such service
2. Should have proven experience in

       a. Video conferencing
3. The entire project should be carried out by the tendering company
4. Compliance statement for the mandatory technical specification has to be provided in a separate document, properly signed by the authorized person with date and seal.
5. Detailed design and implementation documents should be submitted along with the tender documents.
6. Partial / incomplete offer will be disqualified
7. **Demo of Technical Capabilities for the scope of Tender:** The project's mandate has to be demonstrated within the date specified after the tenders are technically evaluated. Date and time, features to be demonstrated are to be fixed by Technical Committee after the tenders are technically evaluated.