

**Pratyam**<sup>®</sup>

# CASE STUDY

PREPARED FOR :

**MSETCL**



# ENTERPRISE AV CONFERENCE ROOM IMPLEMENTATION

*Delivering seamless audio, video, and collaboration.*

## **Project Overview**

**Client Name:** Maharashtra State Electricity Transmission Company Limited

**Project:** A complete turnkey AV solution

The organization required a fully integrated conference room solution to support executive meetings, technical reviews, and video conferencing sessions. The goal was to establish a professional meeting environment with structured discussion capability, clear room-wide audio, multi-screen visualization, and simplified system operation.

## **The Challenge**

- Large meeting room requiring uniform audio coverage
- Need for controlled discussion microphones for multiple participants
- Requirement for simultaneous multi-screen display viewing
- Integration of wireless presentation from multiple laptops
- Centralized switching for multiple AV input sources
- Clean cable-managed infrastructure suitable for executive use

## **Solution Overview**

A complete turnkey audio-visual system was designed and deployed incorporating conferencing, sound reinforcement, display systems, switching infrastructure, and wireless collaboration tools.

### **Key components included:**

#### **Video Wall Displays**

##### **Samsung 55" Commercial Video Wall Panels**

- Professional ultra-narrow bezel displays designed for continuous conference room visualization.
- Quantity: 4 Units

#### **Main Presentation Display**

##### **Samsung 65" 4K Commercial Display**

- Large-format ultra-high-definition screen for primary presentation viewing and conferencing visuals.
- Quantity: 1 Unit

#### **Digital Conference System**

##### **Sennheiser ADN Series Conference System**

- Integrated digital discussion solution with central controller, chairman unit, and delegate microphones for structured meetings.
- Quantity: 1 Controller + Multiple Mic Units

#### **Ceiling Speaker System**

##### **AUDAC Professional Ceiling Speakers**

- Distributed installed speaker system providing uniform room-wide audio coverage.
- Quantity: 10 Units

#### **Audio DSP Processor**

##### **Biamp Tesira Digital Signal Processor**

- Advanced conferencing DSP with acoustic echo cancellation ensuring clear speech and noise control.
- Quantity: 1 Unit

#### **Wireless Presentation System**

##### **BenQ InstaShow Wireless Collaboration System**

- Enables instant cable-free laptop screen sharing for meeting participants.
- Quantity: 1 Unit

## ***Video Conferencing Camera***

### **Poly Intelligent Conference Camera System**

- Auto-tracking conferencing camera providing professional video capture for hybrid meetings.
- Quantity: 1 Unit

## ***HDMI Matrix Switching System***

### **Professional 8×8 HDMI Matrix Switch**

- Centralized AV routing system allowing multiple sources to be displayed on any screen.
- Quantity: 1 Unit

## ***Power Backup System***

### **APC Online UPS**

- Ensures uninterrupted operation and protects AV equipment from power fluctuations.
- Quantity: 1 Unit

## ***Key Features***

- Digital structured conference discussion system
- Echo-free professional room audio processing
- Multi-display video wall visualization
- Wireless laptop presentation capability
- Intelligent video conferencing camera system
- Centralized AV switching and control
- Clean rack-mounted professional installation

## ***Conclusion***

This project demonstrates the successful delivery of a fully integrated enterprise-grade conference room AV system designed to support mission-critical organizational communication, collaboration, and decision-making.





## GET IN TOUCH

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