

### **TRS-TH SYNOPSIS**

- Introduction to existing fleet of 3 phase Electrical Locomotives on Indian Railways.
- Overview of Power Electronics components, PWM Converters and VVVF Drives.
- Power Circuit & Auxiliary Circuit 3 Phase Locomotive.
- Safety features, Fault indication and troubleshooting on 3 Phase Locomotives.
- New developments in 3 Phase Locomotives (IGBT Locomotives)
- Hotel Load Converter and recent developments.