



Electrical Safety Consultant & Forensic Investigation Expert

Industry / Data center / Hospitals / Office Complex / commercial buildings

Compliance to :

- *CEA Safety regulations 2023*
- *National Electrical Code of India 2023*
- *IS 732 – 2019*
- *IS 3043 – 2018*
- *IS/IEC 61936-1*
- *IEC 60364-6*

CAPE
ELECTRIC

What we do!

- **Preliminary Site / Drawing study (Industrial / Commercial / IT / Hospital, etc)**
 - a. Review and evaluation of Design Brief Report of electrical system
 - b. Review and certify efficiency of Design Specifications.
- **Identification of requirements for safety**
 - a. Fault loop impedance checking on all circuits using ETAP software.
 - b. Review and certify the conformance of system design to requisite the latest standards / codes and regulations.
- **Preparation of technical requirements for audit**
 - a. To prepare list of testing an LV system, before & after commissioning.
 - b. To prepare list of inspection requirements for a LV system.
- **Identification (selection) of Auditor (verifier)**
- **Supporting the auditor to complete the audits as per the standards**
- **Preparation of improvement plan**
- **Supervision and implementation of improvement plan**
- **Forensic Investigation of failures / accidents**
 - a. Analyzing recorded data in respective devices
 - b. Reviewing the functional test reports of electrical equipment's.
 - c. Load study for checking the effective usage of over current protective devices.
 - d. Measurement of touch/shock voltage.
 - e. Lightning protection survey along with surge protection measures.
 - f. Verification of equipotential bonding
 - g. Verification of automatic disconnection of supply in a LV system.
 - h. Calculation of temporary over voltage occurs in LV system due to fault in HV system

How we do !



Our Strength

- **Our Knowledge**
- **SOLVE – our own software**
- **Digital tools**
- **Qualified and Trained Team**
- **Participation in International forums**



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