



# 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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