

# Electrical Safety Assessments



## Overview

Electrical hazards continue to threaten safety of people and property in the form of shocks, burns, injury, fire and explosion. With electricity having become an indispensable part of our life, electrical risks are to be managed effectively.

In day to day life, fires due to electrical reasons are very probable, especially in industries that handle flammable chemicals. In service industries such as information technology, telecommunications, banking and other commercial establishments, business interruption losses due to electrical hazards (fire in server room, damage of expensive communication equipment, loss of data, fire in cable gallery, etc.) could be substantial.

## Scope of Services:

- Assessment of applicable statutory compliances
- Physical inspection of all electrical panels and distribution boards (PCC, MCC Panels)
- Assessment of approach followed for hazardous area classification and selection of with respect to flameproof electrical equipment in the plant, including maintenance aspects
- Assessment of electrical preventive maintenance system
- Process for review & investigation of electrical accidents and near misses)
- Review of electrical systems and procedures (work

permits, interlocks, lockout tags, etc.)

- Review of the earthing system (installation & maintenance aspects), checking of earth pit testing reports. Earth pit testing on sampling basis to verify the result with annual test reports
- Preparation of electrical safety audit report

## Benefits of Electrical Safety Audit:

- Identification of electrical hazards and to minimize the risk of accidents like fires due to short-circuiting
- Ensuring longevity of electronic equipment like computers and other machines
- Ensure safety of valuable information like data and other documents from electrical hazards
- Improvement of employee morale by creating a safety environment
- Demonstrate of a dynamic record of safety performance
- Improvement of awareness of problems across all levels, including the management
- Ensure compliance with Government and industry safety related work practices

## Assessment Approach:

Auditors of TUV India shall examine the safety of electrical installations by verification, enquiry, inspection and testing. Electrical Safety Audits are conducted by knowledgeable and experienced professionals following a systematic approach for assessing & evaluating potential electrical hazards



and prepare detailed reports on the findings. Our reports indicate assessment team findings on high risk situations and areas of non-compliance with legislation or as well as highlight the best practices observed. Typical steps in the assessment process include the following

- Questionnaire & finalization of contract
- Document review to understand the scope and boundaries of assurance
- On-site Audit
- Discussion for consolidating the findings
- Management Briefing
- Final Report Submission

## Why choose TÜV India

- Wide pool of highly qualified and experienced assessors across India
- Comprehensive and diverse range of value - added services
- Key account management
- One-stop solution for your sustainability requirements

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## About Us:

TUV India Pvt. Ltd. (TÜV NORD GROUP) is a customer-focused, innovative, and independent, technical, quality & safety services organization, dedicated to providing future-proof solutions through technological excellence for the success of its customers with the highest level of integrity. With a presence at over 40 strategic locations in India; a branch office in Sri Lanka and Bangladesh; state-of-the-art laboratories at Pune, Bengaluru, Noida and Jamnagar; 100 important countries worldwide and through digital means, we are always connected to you, our esteemed customer, anywhere, anytime.

We are proud to provide increasing levels of services to the best known, largest global and national companies as well as medium and small industries in diverse sectors like Oil & Gas, Petrochemical, Nuclear, Renewables, Infrastructure, Food, Power, Manufacturing, Chemicals, Pharma, Paper, Automobiles, Railways, Aerospace, Defence, IT, Health, Hospitality, Retail, etc.

Over 1400 competent and experienced TÜV India experts spread across India and over 14000 TÜV NORD experts all over the world, enthusiastically support our clients by providing value-added services in Industry Inspection, European / International Approvals, Management System & IT Certification, Sustainability, Energy Audit, Water Audit, Carbon Services, Building Infrastructure & PMC, Renewable Energy, Food & Packaging Testing, Food Certification & Inspection; Testing of restricted and banned chemicals in Automotive and Electrical & Electronics components and other regulated industries, Product Testing – Electricals, Electronics and Industrial Machinery; Product Certification; Petroleum, Chemicals & Gas Cargo Inspection; Petroleum, Chemicals & Gas Testing; Railway Technology; Engineering, Safety Studies, and knowledge enhancing training programs under TÜV India Training Academy.

