

Electrical Safety Audit

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WORLD

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Introduction

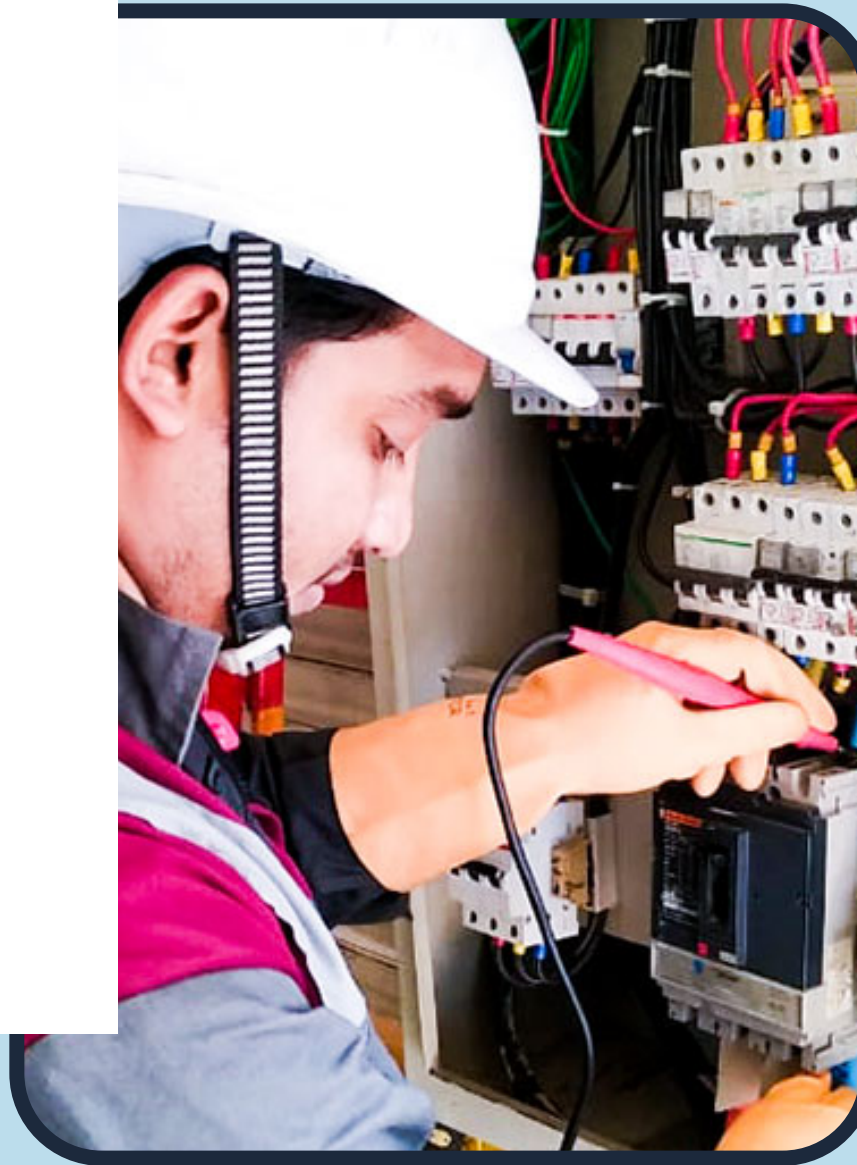
Electrical Safety Audit is examining the safety of electrical installations of any industrial unit or organization. Electrical Safety Audit is performed by documentation review, inspection, testing and verification. Electrical Safety Audits are conducted by experienced professionals who assist clients in reducing risk and help to ensure compliance with applicable Safety Standards and Regulations

Benefits

- Preventive maintenance
- Safety of Man and Machine
- Compliance
- Effective Operation and Maintenance
- Energy Saving

ESA helps in identifying:

- Electrical hazards to minimize the risk of accidents like fire due to short-circuiting,
- Areas of risk or vulnerability in electrical systems and installations,
- Non-compliance with the legislation and best practices.



OBJECTIVES OF ELECTRICAL SAFETY AUDIT

- The purpose of an electrical safety audit is to identify potentially hazardous electrical situations and provide corrective actions for these situations.
- To study and evaluate the current state and effectiveness of existing Electrical Safety management systems.
- Determine electrical system & electrical safety compliance with:
 - Central Electricity Rules
 - NFPA 70E
 - NFPA 70B
 - OSHA 1910.331-335
 - Indian Electricity Rules, 1956 according to

which electrical audit provide of the following information:-

1. Bypassing of fuses/ELCBs and Relay settings.
 2. Storage of combustible materials near the Electrical panels/UPS/Battery if any.
 3. Sealing of ducts/voids to prevent fire propagation
 4. Bypassing of fuses/ELCBs and Relay settings.
 5. Storage of combustible materials near the Electrical panels/UPS/Battery if any.
- Review and provide corrective actions for electrical safety work processes
 - Review and provide corrective actions for electrical maintenance tools
 - Identify potential cost savings and efficiencies through modifications of the electrical system.

Approach and Methodology:

The Electrical Safety Audit includes the review of documentation with regard to the scope covered in the audit, an on-site visit, and data collection, their review, and analysis. This may also require the cross-check and verification of data and data which can include industry norms and peer data. Following is that the methodology in detail:

- A Pre-Audit Meeting (opening meeting) discussing the main guidelines with the management team and other concerned departments.
- On-site visit and inspection to spot potential electrical hazards as per the scope of the audit. During the field visit the verification of the particular installation compared to the available drawing (such as electrical single line diagram (SLD), earthing layout, etc.) is also administered.
- Discussion with members of the house.
- Review of Documentation / Records (All the relevant maintenance documentation, test records, electrical records, and electrical inspector reports).
- Submission of ultimate electrical safety audit (ESA) report back to client incorporating agreed changes/comments

Electrical Safety Audits include factory assessment of electrical installations in the various industries such as Electrical, Construction, in Cities in India.

Services we offer

- Electrical Safety Audit
- Electrical Safety Training
- Arc Flash Study
- Hazardous Area Classification
- Lightning Protection Study
- LOTO Safety Audit & Training
- Power Quality Analysis



For More Details

Visit Us:-



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