

Electrical Safety Audit



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What is Electrical Safety Audit?

The electricity has become an integral part of the daily operations of the organizations but this electricity possesses threats to the organizations on day to day basis as well.

To safeguard the organization from the threats & hazards pertaining to the Electricity an organization conducts the electrical safety audit, the main objective of the electrical safety audit is to evaluate the current system established to control the hazards related to electricity.

The electrical safety audit examines the safety & security of the electrical insulations installed in any industry or organization. The electrical safety audit is conducted by the experienced professionals which provides the necessary assistance to the organizations in reducing the risk related to electricity & compliance to the safety standards.

What are the focus points of Electrical Safety Audit?

- Electrical Hazards.
- Existing measures to control risk.
- Management of Electrical safety system.
- Electrical Safety awareness.
- Emergency preparedness.
- Electrical preventive maintenance program.
- Mitigation plan to incident & accident.

Who all are eligible for Electrical Safety Audit?

- The Electrical Safety is applicable to all the organization irrespective of their operations & size such as industries, offices, hotels, corporate house, residential building.

What are the Checkpoints for Electrical Safety Audit?

- Review of the preventive maintenance schedule.
- Inspection of substation.
- Inspection of main and sub distribution panels.
- Inspection of electrical hand tools and personal protection equipment.
- Flame proof electrical equipment, if any.
- Review of Lightning protection system.
- Review of Static electricity discharge system.
- Emergency lighting system.
- Review of the earthing system.
- Inspection of test report of the electrical equipment.
- Electrical safety and personal safeguarding.
- Emergency preparedness.
- Safety in temporary wiring.
- Measurement of earthing resistance of the earth pits and also at the main panels.
- THERMOGRAPH of main distribution panel.
- Testing of RCCB with RCCB tester.
- Power socket checking for presence of earthing.
- Adequacy of protection devices like MCB, RCCB etc.
- Preparation of cable loading schedule.
- Compound lighting inspection.
- Inspection of each and every electrical installation in plant as well as offices.
- Compliances with statutory requirement as per IE act, Factory Act, IS 732, IS 3043 etc.

What are the document requirements for Electrical Safety Audit?

To demonstrate the compliance to the required Electrical Safety system in the organization, the organization needs to produce documents on the request of the Auditor

The typical documents required for Electrical Safety Audit

- Electrical hazard identification & Risk assessment.
- Electrical equipment maintenance records.
- Emergency preparedness plan.
- Test reports of the earthing pit.
- Transformer oil test record.
- Organization chart with responsibilities.
- List of first aid.
- List of Personal Protective Equipment's.
- Records for electrical accidents & control measures.

How will Electrical Safety Audit Benefits your Organization?

- Helps to identifies the hazards & mitigate them.
- Ensure the safety of the Man & Machine.
- Ensure the compliance to the legal requirements.
- Improved operating efficiencies.
- Improved awareness among employees regarding electrical safety.
- Energy Saving.
- Promote health & safety culture.
- Minimize electrical safety related incidents & accidents.

How will PQSmitra help you with Hassle - free process for Electrical Safety Audit?

PQSmitra team has a highly experienced & expertise Electrical safety auditors which will conduct Electrical safety audit at your organization to ensure the compliance to the requirements of the national & international Fire safety standards.

- Initial visit & opening meeting with client team.
- Walk through the premises of the organization.
- Review of the organization layout & drawings.
- Review of the Electrical system at the organization.
- Review of the documents related to Electrical safety system.
- Discussion with employees to evaluate Electrical Safety awareness.
- Presentation of the findings to the client during closing meeting.
- Submission of the report to the client.



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