

Electrical and Mechanical Safety

Course Description

This **2-Day course** offers participants an advanced level of Electrical & Mechanical safety training. The participants will learn about specific protective equipment, energy detection equipment, basic circuitry and troubleshooting. An overview of electrical and mechanical inspections is also included.

Course Objectives

- Understanding the types of electrical hazards and how to identify different voltages
- Identification of different assets and equipment
- To understand how electric shocks can occur and effects of electrical current on the human body
- Describe the associated Risks and Forces of Electricity
- Describe how mechanical safety relates to maintenance work.
- Explain the lockout/tagout procedure.
- List ways to minimize safety risks before machine maintenance.
- Describe safe procedures for performing machine maintenance.
- Identify different types of PPE for eyes and ears.
- Identify different types of PPE for hands and feet.
- List potential safety hazards that can be minimized by shop cleanliness.
- List procedures for properly handling and storing maintenance equipment.
- Describe safety practices for ladders and scaffolding.
- Describe safe practices for lifting and transporting heavy objects.

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Course Content – 2 Day Workshop

Module1: Electrical Safety

- Definitions
- OSHA regulations
- What Is Electrical & Mechanical Safety?
- Hazards of Electricity
- Selection and Use of Work Practices
- Use of Equipment
- Lockout/Tagout
- Safeguards for Personnel Protection
- Protective Equipment
- Energy Detection Equipment
- Basic Circuitry
- Troubleshooting
- Electrical Inspection
- Lockout/Tagout Procedures

Module 2: Mechanical Safety

- Minimizing Risk Before Maintenance
- Machine Safety During and After Maintenance
- PPE for Eyes and Ears
- PPE for Hands and Feet
- Shop Cleanliness
- Equipment Handling and Storage
- Ladder and Scaffolding Safety
- Lifting Safety

Course Duration

Two Day

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Other Details:

- Payment to be made within 15 days from the date of the invoice.
- All payments must be made by cheque/online transfer etc., drawn in favour of Sieger Training India. Sieger will charge on INR basis only.
- Overseas clients will have to take care of all the training materials directly as briefed by Sieger Training. However, Sieger can procure some (which can be transited) not all, on behalf of the client but any additional charges for custom clearance must be taken care by client only.
- Facilitators Travel, accommodation & Food must be taken care by the client (wherever necessary)
- Clients will have to arrange LCD, Speakers, Mike on their own.
- Cancellation of confirmed programmes shall be intimated one week in advance else 50% of the total charges shall be applicable.
- Client will recognize the intellectual property rights of Sieger Training and such materials are not to be copied without prior written approval of Sieger Training.
- Take all responsible steps to hold all Sieger Training copyrighted materials confidential to Client.
- Guarantee that no training will be conducted using Sieger Training concepts or material is carried out for employees of Client and Client shall not use Sieger Trainer's without the knowledge of Sieger Training Consultants (P) Limited.
- Ensure that any materials of Sieger Training supplied to internal employee(s) are retained by Client and or returned to Sieger Training if the employee(s) ceases to be employed by the company;
- Ensure that no substantive modification of course design or content occurs without the prior written permission of Sieger Training, which shall not be withheld unreasonably;
- Treat this agreement as confidential and not divulge its contents to third parties;
- Inform Sieger Training of any internal procedures for the payment of invoices.