

Training Programme on “Electrical Safety”

PERSPECTIVE

Today electricity has become the backbone of development. It is one of the essentials required to sustain modern society life. Electricity, though a good servant, may prove to be hazardous if due care is not exercised in its use. Accident statistics show that nearly 40% of electrical accidents have resulted into fatality indicating its potential of severity. Although utmost safety is observed while manufacturing of electrical equipment, any error in installation, improper maintenance and ignorance of the safety precautions during their use may lead to an accident.

The Electricity Act, 2003, Electricity Rules, 2005 and the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010 are applicable in generation, distribution, installation and maintenance of electricity and aim to reduce/eliminate electrical accidents. With an increase in reported injuries and deaths associated with use of electricity, electrical safety is becoming a more prominent health and safety topic in industry. The PDMI is organising this Training Programme on “Electrical Safety” based on above mentioned rules and regulations to enable participants for preventing/controlling the electrical hazards at the workplace.

OBJECTIVE

This program will enable participants to:

- Understand importance of electrical safety.
- Know statutory requirement under the relevant laws.
- Identify electrical hazards and implement control measures.
- Select appropriate electrical equipment for hazardous areas.

TOPICS

- Safety Requirements under the Electricity Act, 2003, Electricity Rules, 2005, and Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010.
- Electrical Hazards in Power Generation and Distribution.
- Electrical Fire - Case Studies (Causes and Control)
- Safety Procedures in Electrical Maintenance Works.
- Safety Features of Electrical Controls and Switch Gears.
- Electrical Equipment in Hazardous Locations.
- Static Electricity – its hazard & control.
- Artificial Respiration and Electrical Burns.

PARTICIPANTS

The programme is best suited for safety managers, middle managers, supervisors, electrical engineers, maintenance engineers, operation engineers, electrical contractors of the industry and, state electricity boards, electrical undertaking, utilities, trade union representatives and other service people.