

# ELECTRICAL COURSES

## GENERATOR CIRCUIT BREAKER (E79A)

**OBJECTIVE:**

This course is designed to provide participants with the principles, operation, and maintenance of the generator, transformer, and BUS DUCTS.

**WHO SHOULD ATTEND?**

This course is recommended for engineers, operation and maintenance technicians.

**COURSE CONTENT:**

- Introduction to Electrical Power Generation
- Power Transformer Operation
- AC Circuit Breaker Types and Operation
- Disconnect Switch Portion
- Practical ABB-GCB Operation and Specifications
- BUS DUCTS
- Safety Requirements for the Operator

**Duration: 5 Days**

Date:	Venue:	Cost:
Feb 16 – 20	Dammam	SR6,000
Jun 21 - 25	Abha	SR7,000
Jul 19 – 23	Dammam	SR6,000

## GENERATOR MAINTENANCE (E47A)

**OBJECTIVE:**

This course is designed to provide the participants with full theoretical and practical details about Generator Maintenance including Generator Design, Generator Periodic Inspection Tests, and Generator Abnormal Operation Faults.

**WHO SHOULD ATTEND?**

This course is intended for electrical technicians and engineers who are responsible for maintaining the integrity of the Generator Maintenance Operation and Troubleshooting field.

**COURSE CONTENT:**

- General Electric Concepts and Principles
- AC Machine Basics
- Automatic Voltage Generator
- Description of the Generator
- Generator Design and System Faults
- Generator Rotors Problems
- Electrical and Mechanical or Thermal Faults
- Generator Monitoring Instruments
- Generator Auxiliaries Maintenance
- Function of a Generator Rotor

**PRACTICAL TASKS:**

- Generator Insulation Test.

**Duration: 5 Days**

Date:	Venue:	Cost:
Apr 26 – 30	Dammam	SR6,000
Jul 26 - 30	Riyadh	SR7,000
Nov 15 – 19	Dammam	SR6,000