

ELECTRICAL COURSES

MAINTENANCE OF METERS AND BREAKERS (E74A)

OBJECTIVE:

This short course will provide the participants with the practical understanding and knowledge on how to maintain meters. The course will also provide the maintenance of different types of circuit breakers (air blast, air magnetic, gas puffer, gas blast, oil, and vacuum).

WHO SHOULD ATTEND?

This short course is recommended primarily for maintenance technicians and electrical engineers who supervise the maintenance of electrical meters and breakers.

COURSE CONTENT:

- Testing , Commissioning, and Maintenance.
- Maintenance: Significance, Preventive, Predictive, Emergency, and Overhaul.
- Protective Systems.
- Circuit Breakers Maintenance:
- Checks Necessary on C.B.
- Contacts Replacement/Inspection.
- Steps in Installation and Commissioning of Circuit Breakers.
- Circuit Breakers Rating.
- Maintenance of Operating Mechanism (Pneumatic, Solenoid, Hydraulic. And Spring).
- Miniature Circuit Breakers (MCB).
- Molded Case Circuit Breakers(MCCB).
- Schedule Maintenance of Various Types of Circuit Breakers.
- Instrumentation and Control.
- Maintenance of Different Types of Meters.

Duration: 5 Days

Date:	Venue:	Cost:
Feb 14-18	Dammam	SR7,000
Jun 20-24	Dammam	SR7,000
Sep 26-30	Jubail	S 8,000

MOTOR CONTROL CENTER and STARTERS (E13A)

OBJECTIVE:

This course is designed to provide full information about motor starters, limit switches, pneumatic timer, control relays and construction of MCC in hazardous and non-hazardous areas.

WHO SHOULD ATTEND?

This course is recommended for electrical technicians, technicians working on MCC's and engineers with basic experience in this field.

COURSE CONTENT:

- Introduction
- Control Pilot Devices
- Circuit Layout, Connections and Symbols
- Basic Control Circuits
- Direct-Current Controllers
- Motor Drives

Practical Tasks:

- Demonstrate the control equipment located in the electrical control module in electrical lab
- Connecting the wiring diagram of reversing motor and operate in the forward and back direction
- Basic timer operations & its control circuit

Duration: 5 Days

Date:	Venue:	Cost:
Mar 7 – 11	Dammam	SR7,000
Aug 15 – 19	Dammam	SR7,000
Dec 19 – 23	Dammam	SR7,000