

ELECTRICAL COURSES

CONTROL EQUIPMENT (E19A)

OBJECTIVE:

This seminar 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:

- AC Manual Contactors and Motor Starter
- AC/DC Contactors and Magnetic Motor Starter
- Push-Button Control Stations
- Limit Switches
- Special Control Switches
- Timers and Counters
- Control Relays
- Hazardous Location Equipment
- Motor Control Centers
- Control Panel Wiring

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:
Apr 26 – 30	Dammam	SR6,000
Nov 1 - 5	Dammam	SR6,000
Nov 15 - 19	Abha	SR7,000

COMMISSIONING TESTING and START-UP OF ELECTRICAL SYSTEMS (E50A)

OBJECTIVE:

The objective of this seminar is to identify commissioning, testing and startup for power transformer, generator, synchronous machines, scada system and describes the precautions that are necessary to perform electrical testing jobs safely.

WHO SHOULD ATTEND?

This course is recommended for electrical technicians, supervisors and engineers involved with commissioning, testing & power plants.

COURSE CONTENT:

- Power Transformer, Testing, Commissioning & Startup in substation and power plants
- Circuits breaker, contactors and metal clad (H.V. and L.V.)
- Synchronous generator, operation testing and synchronization with busbar
- Testing of synchronous machines
- 3 phase short circuit
- Protection and automation of synchronous generator and motor scada
- Tripping and interlocking scheme in electrical substation

Practical Tasks:

- Functional test/megger test
- Dielectric oil test for oil circuit breaker
- Demonstrate the main parts of circuit breaker
- Demonstrate different control circuit components

Duration: 5 Days

Date:	Venue:	Cost:
May 10 – 14	Dammam	SR6,000
Jul 19 - 23	Riyadh	SR7,000
Nov 29 – Dec 3	Dammam	SR6,000