

ELECTRICAL COURSES

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 18 – 22	Dammam	SR7,000
Aug 15 – 19	Dammam	SR7,000
Nov 29– Dec 3	Abu-Dhabi	SR 9,000

CORROSION CONTROL BY CATHODIC PROTECTION (E64A)

OBJECTIVE:

This seminar is to introduce engineers to the recent developments in the field of corrosion control by cathodic protection.

WHO SHOULD ATTEND?

This course is intended for electrical engineers supervisors & technicians who are responsible for maintaining the integrity of the Cathodic system.

COURSE CONTENT:

- Principle of Cathodic Protection
- Sacrificial and Impressed Current Anodes
- Stray Current Corrosion
- Cathodic Protection Interaction
- Cathodic Protection in Marine Environment
- Cathodic Protection System Design
- Case Histories of Cathodic Protection
- Cathodic Protection Interaction and Solar Application
- Case Studies

Duration: 5 Days

Date:	Venue:	Cost:
Jan 31 – Feb 4	Abha	SR 8,000
May 16 - 20	Dammam	SR7,000
Oct 10 – 14	Dammam	SR7,000