

ELECTRICAL COURSES

CABLE TESTING AND FAULT LOCATION (E106A)

OBJECTIVE:

Upon completion of this course the participant should be able to understand design, construction and operation of MV cable. Identify testing standards, procedure and failure causes. Test cables and locate faults.

WHO SHOULD ATTEND?

Cable man, cable splicers, electrical maintenance technicians and site inspector. Introduction to “medium voltage cable technician certification”.

COURSE CONTENT:

- Safety of Power Cables
- MV Cables Power Transmission
- MV Cables Design and Constructions
- Testing MV Cables Standard and Procedures
- Cable Failure Causes
- Cable Tests Standards Requirements (IEEE-NFPA 70B-NETA)
- Cable Tests and Results Evaluations
- Fault Location Methods

Duration: 5 Days

Date:	Venue:	Cost:
Jan 24-28	Dammam	SR 7,000
May 23-27	Jubail	SR 8,000
Oct 3-7	Dammam	SR 7,000

CIRCUIT BREAKERS CONTROL CIRCUIT (E129A)

OBJECTIVE:

This seminar is designed to provide full information about circuit breaker control circuits and how to read the control diagram and trace point the diagram to know opening, closing, and tripping actions for the circuit breakers.

WHO SHOULD ATTEND?

This course is recommended for substation technician and engineers with 2 years experience.

COURSE CONTENT:

- Control Switches
- Normally Open and Normally Closed Relay Contacts, Time Relay
- Basic Control Circuit, Holding Circuit
- Red and Green Indicating Lamp Circuit Operation
- Trip Alarm
- Push Button Electrical Interlocking Circuit
- Auxiliary Switches and Breaker Operating Mechanism
- C.B. Control Symbols and Abbreviation
- Typical Closing Schematic, Tripping Schematics, Trip Free
- Control Circuit a Vacuum C.B. as Example
- Elementary and Connecting Diagrams
- Example to Bulk Oil C.B. Control Diagram (Operation-Closing Procedures, Opening)
- Control Circuit for 34.5 kV SF6 Circuit Breaker.

Duration: 5 Days

Date:	Venue:	Cost:
Feb 21-25	Dammam	SR 7,000
Jul 18-22	Abha	SR 8,000
Nov 28-Dec 2	Dammam	SR 7,000