

ELECTRICAL COURSES

TRANSMISSION STATIONS EQUIPMENT MAINTENANCE AND INSPECTION (E121A)

OBJECTIVE:

This seminar is designed to provide participants theoretical information and practical details relating to electrical equipment maintenance and inspection.

WHO SHOULD ATTEND?

This program is recommended for engineers with basic experience with this field and electrical technicians those need to upgrade their level of information regarding electrical equipment maintenance and inspection.

COURSE CONTENT:

- Introduction
- 230, 115KV gas CB and Switchgear
- Air Switches
- Oil Circuit Breaker
- Gas Circuit Breaker
- Vacuum Circuit Breaker
- Air Circuit Breaker
- SF6 Gas Replacement, Handling and Properties
- Circuit Breaker Testing
- Annunciator Panels
- Carrier Equipment, Coupling Capacitor Voltage Transformer, Line Trap
- Data Acquisition and Control System
- Static VAR Compensator
- Reading Feeders Loads Inside a Grid Station

Duration: 5 Days

Date:	Venue:	Cost:
Feb 21 –25	Dammam	SR 7,000
May 23-27	Riyadh	SR 8,000
Aug 8-12	Dammam	SR 7,000

TRANSIENT OVER VOLTAGES, INSULATION COORDINATION AND NEUTRAL EARTHING (E126A)

OBJECTIVE:

This course is designed to provide theoretical information about transient over voltages effects on the electrical equipment and how to reduces these effects, also the course explains the insulation coordination between the protective devices and equipment insulation as well as grounding techniques and station earthing system.

WHO SHOULD ATTEND?

This course is intended for those protection engineers, electrical technician anyone who involved in insulation coordination and neutral earthing.

COURSE CONTENT:

- Introduction to Transient Over Voltage
- Cause of Over voltages, Lightning Over Voltages and Protective Devices Against Lightning Surges (Arrestors)
- Switching Over Voltages and Methods of Reducing Switching Surges
- Protection of Machines Against Switching Surges
- Insulation Coordination Between Protective Devices with Equipment Insulation
- Neutral Earthing
- Disadvantage of Ungrounded Systems
- Advantages of Neutral Grounding
- Types of Grounding
- Station Earthing System

Duration: 5 Days

Date:	Venue:	Cost:
May 2-6	Dammam	SR7,000
Jul 11-15	Abha	SR 8,000
Dec 19-23	Dammam	SR7,000