

ELECTRICAL COURSES

DISTRIBUTION TRANSFORMERS MAINTENANCE AND INSPECTIONS (E123A)

OBJECTIVE:

This seminar is designed to provide theoretical information and practical details relating to distribution transformers maintenance and inspections.

WHO SHOULD ATTEND?

This course is recommended for engineers with basic experience with this field and electrical technicians those need to upgrade their level of information regarding distribution transformers maintenance and inspections.

COURSE CONTENT:

- Introduction
- Transformer Types, OH and Pad Mounted
- List Necessary Transformer Tests, List Safety Precautions Used when Testing Transformers
- Check on the Transformer Tap Changer, Bushing, Main Connections, Cooling System, Oil (Level, Temperature, Leakage) Abnormal Sound Heard, Leakage of Resin Oil From the HT Box, HT/LT Bushings Clean, Transformer (Taps, Tank Grounded, Silica Gel, Pressure Gauge).
- Pole Mounted Transformer, Any Evidence of Damage/Crack to the H Pole Structure, H pole Structure Installed Secured and Vertical, Outdoor Termination, Clearance Between PMT to Buildings, Unit Substation.

Duration: 5 Days

| Date: | Venue: | Cost: |
|-----------|--------|----------|
| Feb 7-11 | Dammam | SR7,000 |
| May 9-13 | Jubail | SR 8,000 |
| Nov 14-18 | Dammam | SR7,000 |

DISTRIBUTION VOLTAGE REGULATORS, RECLOSERS, AND CAPACITOR BANK (E117AE)

OBJECTIVE:

This course designed to provide participants theoretical information and practical details relating to distribution voltage regulators locations, their rules, installations as will as capacitor bank and reclosers in the distribution system.

WHO SHOULD ATTEND?

This course is designed for electrical engineers with basic experience with this field that need to upgrade their level of information regarding this subject.

COURSE CONTENT:

- Introduction
- Reasons of Voltage Falling
- Components and Construction of the Automatic Voltage Regulator
- Location of the Automatic Voltage Regulator
- Capacitor Banks Components, Construction, and Installation
- Location which Shunt Capacitors are Installed at the Secondary Lines
- Effect of Capacitor in Reducing Oscillating Inductive Reactive Power
- Benefits of Installation of Shunt-Connected Capacitors
- Recloser Components, Construction, and Installation
- How the Reclosers Work Automatically in Distribution Networks
- The Automatic-Circuit Reclosers Technical Features, Ratings, Specifications, Inspection, Mounting and Installation

Duration: 5 Days

| Date: | Venue: | Cost: |
|-----------|--------|----------|
| Mar 14-18 | Dammam | SR7,000 |
| Jul 4 -8 | Dammam | SR7,000 |
| Dec 13-17 | Oman | SR 9,000 |