

ELECTRICAL COURSES

POWER FACTOR TESTING (E63A)

OBJECTIVE:

This seminar is designed to provide full information on power factor testing.

WHO SHOULD ATTEND?

This course is recommended for Electrical Engineers, Supervisors and Technicians who work in Sub Stations, Factories, Power Plants and who are involved with power utility factor testing.

COURSE CONTENT:

- Revision of Basic Principles
- Linear Loads and their Effects on Power Factor
- Sources of Harmonics in Electric Utility
- Effects of Harmonics on Power Factor
- Impact of Low Power Factor on Electric Utility
- The Penalty Consumer is Obligated to Pay for Low Power Factor
- Methods of Power Factor Testing and Improvement

Duration: 5 Days

Date:	Venue:	Cost:
Jan 5 – 9	Dammam	SR6,000
Jun 7 – 11	Dammam	SR6,000
Jul 5 – 9	Riyadh	SR7,000

PREVENTIVE MAINTENANCE OF ELECTRICAL EQUIPMENT (E8A)

OBJECTIVE:

This seminar will provide the participants with the practical understanding and knowledge on how to maintain different types of electrical equipment.

WHO SHOULD ATTEND?

This seminar is recommended primarily for maintenance technicians and electrical engineers who supervise the maintenance of electrical equipment.

COURSE CONTENT:

- Testing and Maintenance
- AC Motors
- Transformers and Regulators
- Current Limiting Reactors
- DC Motors
- Commutator, Slip-ring and Brush Maintenance
- Mechanical Maintenance of Electrical Machinery
- Industrial Control
- Overcurrent Protection
- Distribution Systems

PRACTICAL TASKS:

- Megger test for transformer
- TTR test for transformer
- Winding resistance test
- Transformer oil test (dielectric, ppm, acidity, color tests, and power factor test)
- Vacuum circuit breaker contact wear gap check
- Contact resistance test
- Megger test for circuit breaker

Duration: 5 Days

Date:	Venue:	Cost:
Feb 16 – 20	Dammam	SR6,000
Jul 19 – 23	Dammam	SR6,000
Dec 20 – 24	Abha	SR7,000