

ELECTRICAL COURSES

ELECTRICAL MAINTENANCE and TROUBLESHOOTING (E2B)

OBJECTIVE:

This seminar is designed to increase the knowledge and experience on preventive maintenance of power transformers, circuit breakers (air, oil, vacuum, SF₆), AC and DC motors, grounding practices, maintenance testing, and power factor correction.

WHO SHOULD ATTEND?

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

COURSE CONTENT:

- Electrical Diagrams, Symbols, Codes and Standards
- Substation and Transformer Maintenance
- Metal Enclosed Switchgear Assemblies
- Circuit Breaker Maintenance
- AC Motor Maintenance
- DC Motor Maintenance
- Power Factor Correction
- Grounding Practices
- Maintenance Testing
- Organizing a Preventive Maintenance Program
- Safety on the Job

PRACTICAL TASKS:

- Megger, winding resistance, and TTR test for transformer
- Transformer oil test (dielectric, ppm, acidity, color tests, and power factor test)
- Megger, gap wear check, and contact resistance for C.B.
- Megger, winding resistance, balanced current, polarity and surge tests for motors.

Duration: 10 Days

Date:	Venue:	Cost:
Jan 17 – 21	Dammam	SR12,000
May 16 - 20	Dammam	SR12,000
Aug 1 - 5	Jubail	SR13,000
Dec 5 - 9	Dammam	SR12,000

ELECTRICAL MEASURING AND TROUBLESHOOTING (E59A)

OBJECTIVE:

This course is designed to provide the participants an understanding for the necessary practical and theoretical information about measuring and troubleshooting.

WHO SHOULD ATTEND?

This course is recommended for electrical technicians, personnel working in electrical measuring and troubleshooting.

COURSE CONTENT:

- Fundamental of Electricity
- Power Quality Standards
- Transformers and Power Quality Issues
- Basic Skills for Electrical Measuring Troubleshooting
- Electrical Switchgear Maintenance
- Measured Quantities and A.C. Bridges

Duration: 5 Days

Date:	Venue:	Cost:
Jan 24-28	Dammam	SR 7,000
Jun 13-17	Riyadh	SR 8,000
Sept 26-30	Dammam	SR7,000