

MECHANICAL COURSES

CORROSION IN POWER PLANT (M29A)

OBJECTIVE:

This Course Is Designed To Provide Insight Into The Problems Caused By The Corrosion At Power Plants In General And Particularly Steam Power Plants

WHO SHOULD ATTEND:

This Is Intended For Power Plant Operators, Maintenance Technicians, Lab Technicians And The Higher Positions Responsible For Corrosion Prevention And Control

COURSE CONTENTS:

1. Electrochemical Cells
2. Forms of Corrosion
 - 1) General Corrosion
 - 2) Galvanic Corrosion
 - 3) Pitting type Corrosion
 - 4) Caustic Embitterment
3. Corrosion Rates
4. Corrosion In Power Plants Systems
Boiler, Fuel System, Lube oil Systems, Turbines, Condensers, Feed water heaters, Cooling water systems, Chemical feed systems
5. Protective Measures
6. Corrosion control
7. Monitoring

Duration: 5 Days

Date:	Venue:	Cost:
Feb 2-6	Dammam	SR6,000
Jul 19-23	Dammam	SR6,000

COMPRESSORS, BLOWERS, and TURBOCHARGERS (M12A)

OBJECTIVE:

This course is designed to provide knowledge and skills in the construction, types, operation, maintenance, and troubleshooting of compressors.

WHO SHOULD ATTEND?

The course is recommended for anyone involved with maintenance and troubleshooting of compressors.

COURSE CONTENT:

- Air Compressors
- Air Reciprocating Compressors
- Air Rotary Compressors
- Air Dynamic Compressors
- Air Turbo Compressors
- Air Compressor Valves
- Air Compressor Control Systems
- Maintenance and Troubleshooting

PRACTICAL TASKS:

- Identify types of compressors, blowers and turbochargers.
- Assembly and disassembly of compressors, blowers, and turbochargers.
- Adjustment of timing gears for air blowers.

Duration: 5 Days

Date:	Venue:	Cost:
Mar 22 – 26	Dammam	SR6,000
Aug 23 – 27	Dammam	SR6,000