

# MECHANICAL COURSES

## ECONOMICAL OPERATION OF STEAM TURBINES (M30B)

**OBJECTIVE:**

This seminar provide detail knowledge and skills in steam operation with minimum losses of energy.

**WHO SHOULD ATTEND?**

This seminar is recommended for steam turbine operators, technician, supervisors, and engineers.

**COURSE CONTENT:**

1. Factors Affecting Boiler Efficiency
2. How the Operator can Manipulate the Factors Affecting the Boiler Efficiency
3. The Factors Affecting Turbine Cycle Efficiency
4. The Actions and Operator can take to correct efficiency problems related to the turbine cycle
5. The Factors affecting turbine cycle efficiency to increase the operators awareness and effectiveness in controlling heat rate
6. Power Plant Optimum Equipment Operation
7. Power Plant actual Problem Realated to Efficiency
8. The importance of sootblowing and its effects on boiler efficiency, turbine cycle efficiency, and unit availability
- 9.

**Duration: 10 Days**

Date:	Venue:	Cost:
Feb 9-20	Dammam	SR10,000
Jul 26-Aug 6	Dammam	SR10,000

## FABRICATION TECHNIQUES (M35A)

**OBJECTIVE:**

This course provides the participant with enhanced skills required for fabrication of piping and techniques to standard tolerances, specifics, shapes and dimensions.

**WHO SHOULD ATTEND?**

This course is recommended for anyone involved in fabrication, pipe fitting, tubing, and plumbing.

**COURSE CONTENT:**

- The Machine Tools
- Materials and Applications
- Fabrication of Piping System
- Fabrication of Steel Structure
- Standard Specific Tolerance
- Universal Beam Columns
- Welding in Fabrication Process
- Weld Joint Design

**Duration: 5 Days**

Date:	Venue:	Cost:
Mar 15 – 19	Dammam	SR6,000
Aug 30 – Sep3	Dammam	SR6,000