



ASSETS PROTECTION COMPANY
SECURITY AND SAFETY TRAINING CENTER
(A DIVISION OF SAUDI PETRO GAS CO.)

Materials Handling

Objectives:

The objective of this course is to provide, enhance and promote safe technical knowledge and practices concerning actual day-to-day tasks of the trainees, wherein after the completion of the program, the participant will be able to:

- Identify and state the main application of rope knots
 - Do splicing fiber rope and wire rope
 - Use rope clampings and safety belt
 - Identify different types of slings and their applications
 - Determine the type and size of slings required for a particular job
 - Use the tools and tackles like crow bar, chain pulley block, max pull, pulley and rope
 - Fix up lifting tackles at a height
 - Learn practical and safe working applications
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Course Subjects:

- Definitions of Materials Handling
 - Tools and Tackles for Material Handling
 - Ropes – Classification, Construction, Load Carrying Capacities, care, etc.
 - Slings – Classification, Load Carrying Capacity at different angles and care, max pull
 - Chain pulley block, construction, use and care
 - Shifting Materials with Pulleys, Max Pull and Chain Pulley Block
 - Use of Jacks (Hydraulics and Screw)
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Participants:

- Technical Staff, Maintenance and Production Supervisors

Methodologies:

- Pre-Training Assessment
- Class Room sessions
- Plant / Work visits
- Evaluation – Written & Practical Test, Oral / Viva-Voce Test

Duration:

- Two (2) to four (4) Weeks in general at 5 days of 8 hours each.

Course Location:

- Security and Safety Training Center, Dhahran or at Client's Suitable Venue

Language:

- English / Arabic