

MAINTENANCE MANAGEMENT

INTRODUCTION

Operating a plant is considered as the main activity in a manufacturing plant, Maintenance however, will create cost involving issues but maintenance should not compromise quality as it may induce another downtime. Plant Maintenance Training Module is created to enhance the basic knowledge as well as give proper guidance to technical teams in the industry

WHO SHOULD ATTEND

Supervisors, Formens, Technicians and all those involved in the operation and maintenance

FACILITATOR

1. Mr. S.P. NARAYANAN whom is qualified in Mechanical Engineering and Steam Certificate Engineer has 30 years of experience in operation & maintenance of palm oil mill.

He has undergone various training in United Kingdom, Germany and Italy in controls & automation systems and cable manufacturing.

He has also conducted various public and in-house welding programs with **SIRIM, FMM, RCFISET-UM, and OUM** for palm oil, rubber, cement, mining, shipyard and many other industries. He is currently involved on failure analysis and wear problems in palm oil and other industries. Conducted approximately 50 public programmes on Reclamation Welding Technology for Palm Oil Industries (Certificate Course), Reclamation Welding Technology for General Industries (Certificate Course) and Welder Certification – SMAW (ASME Section IX – 3G/6G).

DURATION

5 Days / 35 Hours

100 % HRDF CLAIMABLE

Hostel can be arranged for outstation participants

PROGRAMME OUTLINE

Day -1

Safety and Health in Working Enviroirment.

- Unsafe act and unsafe condition
- Fall protection
- Safety precautions in welding
- Health hazard due to toxic fumes and gases
- Working in confine space
- Industrial Fires
- Case studies & workshop

Objective of Effective Maintenance

- Breakdown Maintenance
- Preventative Maintenance.
- Predictive Maintenance.
- Root Cause Analysis
- Case studies & workshop

Basic Electricity

- Electrical Safety
- Types of Circuits
- Motor operation and maintenance
- Reasons why motor fails
- Starters and controls
- Typical failures in electrical controls and its remedies
- Case studies & workshop

Welding Technology

- Basic welding principles
- Selection of equipment
- Welding defects and solution
- Typical wear problems in industry.
- Case studies and workshop

Day -2

Pump Maintenance

- Types of pumps
- Selection of pumps
- Selection of mechanical seals
- Reasons for mechanical seals failure
- Causes of Pump failures & remedies
- Selection of valves
- Maintenance of valves
- Case studies & workshop