



SOLAR PV EPC PROJECT MANAGEMENT TRAINING



MTBM Group Sdn. Bhd. (1600656-M)

Level 8, MCT Tower, Sky Park, One City, Jalan USJ 25/1, 47650 Subang Jaya, Selangor

Course Title: Solar PV EPC Project Management Training

Course Validity: 2 Days

Validity: Not Applicable

HRD Corp Scheme: Claimable

INTRODUCTION

This training provides participants with the essential knowledge to manage Solar PV projects throughout Engineering, Procurement and Construction (EPC) phases. It covers project planning, technical coordination, procurement control, contractor management, installation supervision, quality assurance and project handover processes. Participants will learn the core project management skills required to successfully deliver Solar PV EPC projects on time, within budget and in compliance with regulatory and safety requirements.

OBJECTIVE(S):

- Understand the full EPC lifecycle for Solar PV projects
- Strengthen project planning, scheduling and resource coordination
- Learn procurement and vendor management for PV components
- Understand quality assurance and construction supervision requirements
- Learn documentation, reporting and compliance management
- Improve risk management and project control skills
- Ensure effective commissioning, testing and project handover

TARGET GROUP(S):

- Project managers & assistant project managers
- Solar EPC contractors and developers
- Engineers, supervisors & technical coordinators
- Procurement and supply chain personnel
- Facility managers & energy teams
- Organisations implementing PV projects

ENTRY REQUIREMENT(S):

- Able to read, write, and communicate in Malay/English

TOPIC(S):

1. Overview of Solar PV EPC Project Lifecycle
2. Project Planning, Scheduling and Resource Coordination
3. Engineering Design Review and Technical Compliance
4. Procurement Management, Vendor Selection and Supply Chain Control
5. Construction Management, Site Supervision and Quality Assurance
6. Risk Management, Cost Control and Project Monitoring
7. Testing, Commissioning and Performance Verification
8. Project Documentation, Reporting and Handover Requirements

LIST OF REFERENCE BOOK(S):

- Solar EPC Project Management Guidelines
- SEDA & Suruhanjaya Tenaga Technical Standards
- IEC Standards for PV System Design and Installation
- Manufacturer Engineering Documentation
- Construction Quality & Safety Manuals

LIST OF TEACHING AID(S):

- LCD projector
- Computer
- Whiteboard with accessories

METHODOLOGY(S):

- Lecture
- Case studies
- Project planning exercises
- Group discussions
- Documentation and process walkthrough

TRAINING SCHEDULE

Day 1

Time	Activity / Topic
8:30 am – 9:00 am	Registration and Introduction
9:00 am – 9:45 am	Topic 1: Overview of Solar PV EPC Project Lifecycle
9:45 am – 10:30 am	Topic 2: Project Planning, Scheduling & Resource Coordination
10:30 am – 10:45 am	Morning Tea Break
10:45 am – 11:30 am	Topic 3: Engineering Design Review & Technical Compliance
11:30 am – 12:30 pm	Topic 4: Procurement Management & Vendor Selection
12:30 pm – 1:30 pm	Lunch Break
1:30 pm – 2:30 pm	Practical: EPC Project Planning Exercise
2:30 pm – 3:30 pm	Case Study: EPC Design & Procurement Challenges
3:30 pm – 3:45 pm	Afternoon Tea Break
3:45 pm – 5:00 pm	Workshop: Project Schedule Development

TRAINING SCHEDULE

Day 2

Time	Activity / Topic
8:30 am – 9:00 am	Recap of Day 1 & Q&A
9:00 am – 9:45 am	Topic 5: Construction Management & Quality Assurance
9:45 am – 10:30 am	Topic 6: Risk Management, Cost Control & Project Monitoring
10:30 am – 10:45 am	Morning Tea Break
10:45 am – 11:30 am	Topic 7: Testing, Commissioning & Performance Verification
11:30 am – 12:30 pm	Practical: Commissioning Documentation Review
12:30 pm – 1:30 pm	Lunch Break
1:30 pm – 2:30 pm	Topic 8: Project Documentation, Reporting & Handover
2:30 pm – 3:30 pm	EPC Project Audit & Compliance Checklist
3:30 pm – 3:45 pm	Afternoon Tea Break
3:45 pm – 5:00 pm	Final Review, Q&A & Closing