



## **ENVIRONMENTAL PRODUCT DECLARATION (EPD) 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:** Environmental Product Declaration (EPD) Training

**Course Validity:** 2 Days

**Validity:** Not Applicable

**HRD Corp Scheme:** Claimable

## **INTRODUCTION**

This training provides participants with an in-depth understanding of Environmental Product Declarations (EPDs), their purpose, structure and development process. It explains Life Cycle Assessment (LCA) principles, Product Category Rules (PCR), data collection, impact assessment, verification and publication through recognised EPD programme operators. Participants will gain practical knowledge on how organisations can develop EPDs to support sustainability claims, market competitiveness, regulatory requirements and customer environmental transparency expectations.

## **OBJECTIVE(S):**

- Understand the concept, purpose and benefits of EPDs.
- Learn the structure and requirements of ISO 14025 Type III environmental declarations.
- Understand LCA fundamentals, stages and methodological rules.
- Identify relevant Product Category Rules (PCR) for different products.
- Apply data collection methods for inventory and impact calculations.
- Understand verification, validation and EPD publication processes.
- Strengthen organisational readiness for customer requests and sustainability reporting.
- Support organisational initiatives for transparency and environmental performance improvement.

**TARGET GROUP(S):**

- Sustainability and ESG Teams
- Environmental Officers and Executives
- Product Development, R&D and Engineering Teams
- Quality, Compliance and Supply Chain Personnel
- Project Managers and Technical Personnel
- Consultants, Analysts and LCA/EPD Practitioners
- Anyone involved in product environmental reporting or LCA activities

**ENTRY REQUIREMENT(S):**

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

**TOPIC(S):**

1. Introduction to EPDs and Type III Environmental Declarations
2. ISO 14025 Structure, Roles and Requirements
3. Life Cycle Assessment Fundamentals (ISO 14040 and ISO 14044)
4. Understanding Product Category Rules (PCR)
5. Life Cycle Inventory (LCI): Data Collection and System Boundaries
6. Life Cycle Impact Assessment (LCIA) and Impact Categories
7. EPD Background Report and Documentation Requirements
8. Verification and Validation Processes for EPDs
9. EPD Registration, Publication and Market Application
10. Case Studies, Common Challenges and EPD Implementation Roadmap

**LIST OF REFERENCE BOOK(S):**

- ISO 14025: Environmental Labels and Declarations
- ISO 14040 and ISO 14044: Life Cycle Assessment Standards
- PCR Documents (Specific to Relevant Product Categories)
- EPD Programme Operator Guidelines (e.g., EPD International)
- Sustainability and Life Cycle Thinking References

**LIST OF TEACHING AID(S):**

- LCD projector
- EPD sample reports and PCR documents
- LCA diagrams and impact category visuals
- Data collection templates
- Flip chart or whiteboard

**METHODOLOGY(S):**

- Interactive lecture
- Group discussion
- Case studies
- Document walkthrough
- Practical exercises on LCA and EPD concepts

## TRAINING SCHEDULE

### Day 1

Time	Activity / Topic
8:30 am – 9:00 am	Registration and Introduction
9:00 am – 10:15 am	Topic 1: Introduction to EPDs and Environmental Declarations
10:15 am – 10:30 am	<b>Morning Tea Break</b>
10:30 am – 12:30 pm	Topic 2–3: ISO 14025 and LCA Fundamentals
12:30 pm – 1:30 pm	<b>Lunch Break</b>
1:30 pm – 3:30 pm	Topic 4: Understanding and Applying PCR Requirements
3:30 pm – 3:45 pm	<b>Afternoon Tea Break</b>
3:45 pm – 5:00 pm	Topic 5: LCI Data Collection and System Boundary Setting

## TRAINING SCHEDULE

### Day 2

Time	Activity / Topic
8:30 am – 9:00 am	Recap of Day 1
9:00 am – 10:15 am	Topic 6: LCIA and Environmental Impact Categories
10:15 am – 10:30 am	<b>Morning Tea Break</b>
10:30 am – 12:30 pm	Topic 7–8: Documentation, Verification and Validation
12:30 pm – 1:30 pm	<b>Lunch Break</b>
1:30 pm – 3:30 pm	Topic 9: EPD Publication and Market Application
3:30 pm – 3:45 pm	<b>Afternoon Tea Break</b>
3:45 pm – 5:00 pm	Topic 10: Case Studies and EPD Implementation Roadmap