



ELECTRICAL SAFETY MANAGEMENT AND LOCK-OUT TAG-OUT

1 November 17-18, 2025 (Monday-Tuesday)

8.45am – 5.00pm **FMM Institute, Perak**



This Training on "Electricity Safety Management and Lock-Out & Tag-Out" (LOTO) is designed to ensure participants have a comprehensive understanding of Safety Practices when working with Electrical Systems, Mechanical Systems, Gas Systems, Pneumatic Systems and Hydraulic Systems particularly in Industrial Environments be it Preventive Maintenance or Troubleshooting.

.... COURSE CONTENTS....

- Overview of Electrical System in Malaysia.
- Introduction to Electrical System from Generation to Use Point.
- Suruhanjaya Tenaga requirements.
- Definisi Akta Bekalan Elektrik 1990 dan Peraturan-Peraturan Elektrik.
- Competent Person and Authorized Person.
- Simple Electrical Calculations – Ampere, Voltage, Power.
- Sizing of Electrical Cables and Breakers to prevent Hazard.
- Knowledge on usage of Electrical Testers.
- Develop an Electrical Safety Program.
- Identify Electrical Hazards.
- Electrical Work Permit for Energized Electrical Work.
- Safe Work Practices.
- LOTO Procedures.
- Electrical Accidents.
- Personal Protective Equipment.

.... WHO SHOULD ATTEND....

Maintenance and equipment supervisors, technicians, potential technicians and other tradesmen who are responsible for maintenance of machines and equipment of their plants.

.... TRAINER....

Ts. BALASUBRAMANIAM A/L SANYASI is an experienced Instructor with more than 40 years' experience in the Industry. He has been working in the Electrical, Facilities & Maintenance field for more than 40 years and has vast knowledge in this area. He holds an Executive Diploma in Facilities and Building Maintenance Management from Universiti Teknologi Malaysia, an Executive Masters in Facilities & Building Maintenance Management from Open University Malaysia and a Diploma in Electrical Engineering from Butterworth Institute of Technology. Ts. Balasubramaniam who is a competent Chargeman, is currently holding "Penjaga Jentera Elektrik Voltan Tinggi" Sekatan BO 33kV registered with Suruhanjaya Tenaga, a registered Asean Engineering Technologist, a Professional Technologist in Electrical & Electronics Technology with Malaysia Board of Technologist and also a Qualified Technician in Building & Construction Technology registered with Malaysia Board of Technologist. He is a registered trainer with PSMB.

Ts. BALASUBRAMANIAM had been a Chargeman AO Trainer since 2000 and a Technical Trainer since 2008 having conducted numerous trainings such as Trouble Shooting Skills, Electrical Maintenance, Preventive Maintenance, Facilities Systems. He is also conducting "Executive Diploma in Facilities & Building Maintenance Management" for University Teknologi Malaysia. He is the Secretary of Technological Association of Malaysia, Penang Branch. He has worked with various Multinationals namely Hitachi Metals Electronics Perai, Advanced Disk Technology/Hoya Electronics Kulim, Johnson Controls Malaysia Sdn. Bhd., Boral Plasterboard (Lafarge) Malaysia Sdn. Bhd., Sony Electronics Perai, Honeywell Aerospace & Avionics Malaysia and Lam Research International.

.... OBJECTIVES....

- Prevention of accidents by utilizing LOTO.
- Compulsory safe work practices in the industry.
- Compulsory usage of Personal Protective Equipment.
- Understand Legal requirements.
- Understand Acts and Regulations (Akta Bekalan Elektrik dan Peraturan-Peraturan Elektrik)

.... LEARNING OUTCOMES....

At the end of the session, participants will be able to,

- Understand the importance of Legal Requirements comprising Akta Bekalan Elektrik dan Peraturan-Peraturan Elektrik.
- Knowledge on Safety.
- Knowledge on Hazards associated with a Task.
- Knowledge on the importance of Personal Protective Equipment.
- Understand the importance of Lock-Out Tag-Out.

.... COURSE DETAILS....

Date **November 17-18, 2025 (Monday-Tuesday)**
Time **8.45am – 5.00pm**
Venue **FMM Institute Perak**
No 1, Lorong Raja DiHilir, 30350 Ipoh, Perak
Medium of Instruction **English**
CPD **14 hours**
Fees ☐ **Members RM1,242.00/pax** ☐ **Non-Members RM1,404.00/pax**
(Fees inclusive of Service Tax at 8%, Course Materials, Refreshment, Lunch and Certificate of Attendance)

.... ADMINISTRATIVE DETAILS....

HRD CORP CLAIMABLE COURSE DETAILS

- Training Provider: **FMM Institute Perak ■ MyCoID : 475427W_PERAK**
- HRD Corp Programme No: **Provided upon confirmation**

DISCLAIMER

The FMM Institute reserves the right to change the facilitator, date and to vary / cancel the course should unavoidable circumstances arise. All efforts will be taken to inform participants of the changes.

REGISTRATION

- Upon **Faxing/Mailing** the completed **Registration Form** to FMM Institute, you are **deemed** to have read and **accepted** the terms and conditions. The **course** would also be **deemed** as **confirmed** unless informed otherwise.
- Will be based on First-Come-First served basis.

PAYMENT

- **Cheques** made in favour of **"FMM Institute"** should be forwarded to FMM Institute Perak.
- For **HRD Corp Claimable Course**, an **Attendance of 100% is a must**, in any case, **employers will be billed in full**.
- FMM Institute SST Registration No. **W10-1901-32000105**
- FMM Institute TIN No. **C10626805080**

CANCELLATION

Must be in Writing with Reasons ■ 7 days before the course – No payment charged ■ 3 – 6 days before the course - 50% payment charged ■ < 3 days before the course – Full payment charged ■ Participants who did not turn-up will be charged full payment ■ Replacements can be accepted at no additional cost

~ Registration Form ~

Closing Date: NOVEMBER 10, 2025

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FMM Institute

No 1, Lorong Raja DiHilir, 30350 Ipoh, Perak

Fax: 05-5488221

Dear Sir / Madam, please register the following participant(s) for the above programme.

1.	Name		Designation	
			HP No	
	NRIC		Email	
2.	Name		Designation	
			HP No	
	NRIC		Email	
3.	Name		Designation	
			HP No	
	NRIC		Email	

(Please attach a separate list if space is insufficient)

We hereby confirmed that *(Please tick (✓) in appropriate box):-*

- ☐ We **will be claiming from HRD Corp** and full payment would made to FMM Institute in the event that no disbursement from HRD Corp under any circumstances
- ☐ We will **NOT BE CLAIMING from HRD Corp**. Enclosed cheque/bank draft No _____ for RM _____ being payment for _____ participant(s) made in favour of the **"FMM Institute"**.

Submitted by:

Name:	Designation:		
Company:	Tel:	Fax:	
Address:			
Email:	FMM Membership No		