



FMM CERTIFICATE IN BOILERMAN

NOVEMBER 24-26, 2025 | FMM EASTERN BRANCH | 9AM-5PM

The FMM Certificate in Boilerman is specially developed to upgrade the theoretical operational skills of the current workforce in handling Steam Boilers in various sector. The certificate programme will provide the knowledge to upgrade the skills of Boiler Supervisors, Operators, Assistant and Apprentice on matters relating to operations, mounting & fittings, inspections and maintenance of boilers at the workplace.

OBJECTIVES

- Upgrade the knowledge and skills of current personnel's in handling and operating Steam Boilers and further upgrade the skills of Boilerman Grade 2 Certificate holders
- Establish a level of legal knowledge pertaining to boilers in theory and practice, skills upgrading in order to manage and handle steam boilers towards better work performance
- Prepare participants for the Boilerman Grade 2 & 1 Examination conducted by the Jabatan Keselamatan dan Kesihatan Pekerjaan (JKKP/DOSH)

WHO SHOULD ATTEND

- Steam Boiler Attendant (directly handle boiler) and Apprentice or Journeymen Fitter in a Steam Plant or Engineering Workshop (indirectly handling of boiler)

FACILITATOR

Mohd Fauzi Mat Rasid was a certified Internal Combustion Engine Engineer Grade I and Steam Engineer Grade II (DOSH) and graduated with Diploma in Mechanical Engineering from Ungku Omar Polytechnic of Malaysia. With over than 19 years hands on operation of industrial Boiler and Internal combustion experience, Mr Mohd Fauzi conducts training based on the real on the job practice beside purely theories. A motivated and passion trainer who will make sure the participants are trained and learn continuously in long run.

ENTRY REQUIREMENTS

A candidate must have the following entry requirement to register for the course and sit for the **Boilerman Grade 2 or Grade 1 Examination with JKKP/DOSH**:

- That he/she is Malaysian citizen, age more than 21 years.
- **For Grade 2** - Minimum of 2 years working experience as a Steam Boiler Attendant Assistant (directly involved in boiler operation) or Fireman; **OR** At least 3 years of experience working as a Fitter or Apprentice in a steam plant environment.
- **For Grade 2** - He/She has the suitable educational qualification at least passed SPM with pass in BM.
- **For Grade 1** - Holder of Boilerman Grade 2 license. Working experience 18 months and above while working as a boilerman Garde 2. Must have operated a steam boiler with a heating Surface of Steam Boiler above 100 m² and be certified fit by an Occupational Health Doctor (OHD)

FEES

Member : RM1,944
Non-Member : RM2,595
(inclusive of 8% SST)

CONTACT US

Ms Wanhui / Ms Elly / 09-560 6554/5244 / fmmeastern@fmm.org.my

COURSE OUTLINE

DAY 1

8.45 am

Registration

2.00 pm

Module 3 - Steam Boiler Operation & Troubleshooting

9.00 am

Module 1 - Introduction to Boiler

- Definition
- Boiler Purpose
- Classification of Steam Boiler
- Principle of Boiler

- Boiler Commissioning
- Boiler Operation
- Operating Log
- Boiler Safety, Abnormalities and Emergencies
- Boiler Preservation

10.30 am

Morning Tea Break

3.30 pm

Evening Tea Break

10.45 am

Module 2 - Act & Regulations for Steam Boiler

- Acts Enforced by DOSH
- OSHA Act & Reg 1994
- OSHA Regulation for Steam Boilers
- Boiler Requirements
- Schedules Related to Steam Boilers

3.45 pm

Module 4 - Water Treatment

- Types of Water Treatment
- External Water Treatment Method
- Internal Water Treatment Method

1.00 pm

Lunch

5.00 pm

End of Day 1

DAY 2

8.45 am

Registration

2.00 pm

Module 7 - Boiler Maintenance

- Maintenance Philosophy
- Maintenance in Boiler Operation

9.00 am

Module 5 - Fuel and Combustion

- Types of Fuel
- What is Combustion
- Combustion Process

3.30 pm

Evening Tea Break

10.30 am

Morning Tea Break

3.45 pm

Module 8 - Boiler Failure

- Types of Boiler Failure
- How to prevent the Boiler Failure
- Boiler Repair Procedure

10.45 am

Module 6 - Steam Turbine

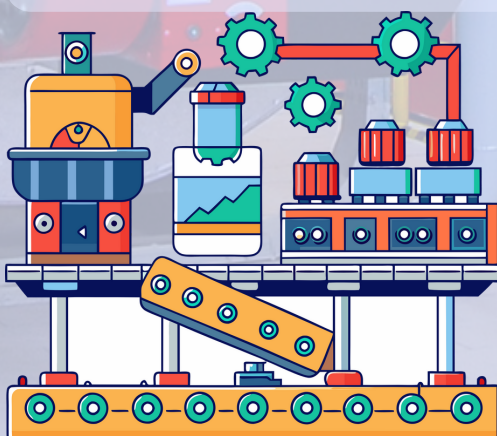
- Types & Definition Steam Turbine

1.00 pm

Lunch

5.00 pm

End of Day 2





**FMM INSTITUTE (475427-W)
EASTERN BRANCH
CENTER FOR PROFESSIONAL DEVELOPMENT**



FMM CERTIFICATE IN BOILERMAN
NOV 24-26, 2025 | 9:00AM - 5:00PM | TRAINING ROOM 1, FMM EASTERN

...ADMINISTRATIVE DETAILS...

HRD CORP CLAIMABLE COURSE DETAILS

- Training Provider : **FMM Institute Eastern**
- MyCoID : **475427W_EASTERN**
- HRD Corp Programme No : **Provided upon registration**

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 **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.

ENQUIRIES & REGISTRATION

Ms Wanhui / Ms Elly

Email : wanhui@fmm.org.my/norelysya@fmm.org.my

Tel: 09-560 6554/ 5244

Please tick accordingly:

- Fees:** ☐ **FMM Member: RM 1,944/pax**
(inclusive of 8% Service Tax)
- ☐ **Non Member: RM 2,595.00/pax**
(inclusive of 8% Service Tax)

**Fees include course materials and
Certificate of Attendance**

CANCELLATION

- Must be 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.

PAYMENT

- **Cheques** made in favour of "FMM Institute" should be forwarded to FMM Institute Eastern.
- For **HRD Corp claimable course**, an **attendance of 100% is a must**, in any case, **employers will be billed in full.**

Closing Date
Nov 13, 2025

REGISTRATION FORM

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

No	Name	Designation	I/C Number	Email	H/P No.
1.					
2.					

(Please attach a separate list if space is insufficient)

- ☐ We will **be claiming under HRD Corp Claimable Courses (SBL-Khas)** but full payment would be made to FMM Institute in the event that no disbursement from HRD CORP under any circumstances.
- ☐ We will **NOT BE CLAIMING under training grant from HRD Corp.** Payment will be made to account payee **FMM Institute** by cheque or bank transfer to **MAYBANK Account No. 5560-1106-3275**

Submitted by:

Name : _____ Designation: _____

Company : _____ FMM Membership No. : _____

Address : _____

Email : _____ Tel: _____ Fax: _____

TIN No. : _____ SST No: _____

Company Stamp