



FMM CERTIFICATE IN BOILERMAN (36TH BATCH)

1 FEBRUARY 27, MARCH 13, 20 & 27, 2022 🕒 9.00 AM – 5.00 PM

FMM INSTITUTE, PERAK

**HRD Corp Claimable
Courses Scheme**

**Self-Sponsored :
PAY ONLY RM1,908**

Requirements

Based on latest **Amendments to Factory & Machinery (Person-in-Charge) Regulations 2014**, the requirements are :

- Competent Boilerman is determined based on Size of Steam Boilers :**

Boiler Heating Surface	
≤ 100 sq.m.	Grade 2
> 100 sq.m.	Grade 1

- No. of Boilerman required :**

Each Boilerman is only allowed to handle 2 Steam Boilers regardless of size during each Shift.

Objectives

The course is designed to meet the following objectives :

- ▶ upgrade the knowledge and skills of current personnel's handling and operating Steam Boilers and to further upgrade the skills of Boilerman Grade 2 Certificate holders
- ▶ establish a level of sound theoretical and practical knowledge and skills pertaining to Boilers in order to efficiently manage and handle steam boilers towards better work performance
- ▶ create opportunities for career advancement, and
- ▶ prepare participants to sit for the Boilerman Grade 2 or Grade 1 Examinations conducted by Jabatan Keselamatan Dan Kesihatan (JKKP/DOSH).

COURSE CONTENTS

- Acts and Regulations Related to Boilers**
 - Factory and Machinery Act, 1967 (Act 139)
 - OSH Act, 1994 (Act 514)
- Types of Steam Boilers**
 - Fire and Water-Tube Boilers
- Boiler Operations**
 - Piping Systems
 - Start-up and Shut-Down procedures
- Essential Fitting and Mountings**
 - Various Fittings and Mountings
 - Functions of each Fittings and Mountings
- Preparation for Periodical Inspection**
 - Preparation of Boiler for Inspection by DOSH
- Various Test Related to Steam Boilers**
 - Hydrostatics, Steam and NDT Test

- Boiler House / Room Requirements**
 - Responsibilities of Boilerman
 - Serious Misconduct
- Boiler Construction**
 - Fabrication process
 - Plain Tube / Stay Tube / Stay Bar / Gusset Stay
- Boiler Water Treatment**
 - Purpose of Treatment
 - Internal and External Treatment
- Boiler Maintenance**
 - Regular Preventive Maintenance - Fire and Water sides
 - Boiler Storage
- Boiler Accessories**
 - Functions of various Boiler Accessories
- Trial Oral Examination**

Course Structure

- Contact Days : **4 days** (Scheduled Sundays)
- Contact Hours : **28 hours**
- Time : **9.00 a.m. – 5.00 p.m.**
- Medium of Instruction : Bahasa Melayu

Time Table

- Day 1 : February 27, 2022** (Sunday)
Day 2 : March 13, 2022 (Sunday)
Day 3 : March 20, 2022 (Sunday)
Day 4 : March 27, 2022 (Sunday)

ENTRY REQUIREMENTS

A candidate **must** have the following entry requirements to **register** for this course and **sit** for the **Examinations** :

Grade 2	<ul style="list-style-type: none"> a Malaysian citizen with at least 21 years of age at least 2 years working experience as a Boiler Asst. / Attendant (directly handling Boilers) OR at least 3 years working experience as an Apprentice / Fitter (indirectly handling Boilers).
Grade 1	<ul style="list-style-type: none"> holds a Boilerman Grade 2 Certificate as a Competent Boilerman Grade 2 Certificate holder, he has at least 18 months working experience in handling Steam Boilers having a heating surface of NOT less than 47 sq. m.

CERTIFICATION

- Participants are required to attend all scheduled classes of the course. There is a minimum requirement of **75 % attendance** before participants can be considered for the **Certificate of Attendance** issued by FMM Institute Perak.
- The **Certificate of Competency** as a Boilerman Grade 2 or Grade 1 will be issued by JKPP only to those participants who **PASS** the **Boilerman Grade 2 or Grade 1 Examination** respectively.

EXAMINATION

The **Examination** for the Certificate of Competency as a Boilerman Grade 2 and Grade 1 will be **conducted** by **Jabatan Keselamatan dan Kesihatan Pekerjaan (JKPP / DOSH)** after the completion of the course. The Examination will consist of an Oral Examination.

CONTACT DETAILS

Ms Nicole / Ms Divya / Puan Eda
Tel No. : 05-5488660 Fax : 05-5488221
Email : fmmperak@fmm.org.my

CLOSING DATE :
FEBRUARY 18, 2022

ADMINISTRATIVE DETAILS

- Fees :** **FMM Members – RM 1,908.00 per participant**
Non-Members – RM 2,544.00 per participant
Self-Sponsored – RM 1,908.00 per participant
 (For Self Sponsored : Installment – RM954 x 2)
- Fee stated above is **Inclusive of Service Tax @ 6%**
 - Fee **INCLUDES** Course Materials, Refreshment and Certificate of Attendance. However, it **EXCLUDES Lunch and DOSH Examination Fee.**

REGISTRATION :

- Upon **Faxing / Mailing** the completed **Registration Form** to FMM institute Perak, you are **deemed** to have read and **accepted** the terms and conditions. The course would also be **deemed** as **confirmed** unless informed otherwise.
- For **HRD Corp Claimable Courses** scheme, employer's **HRD Corp grant Approval** must be forwarded to FMM Institute Perak **at least 3 days before the Training date.**

PAYMENT :

- For **HRD Corp Claimable Courses** scheme, an **Attendance of 100%** is a **MUST**, in any case, **employers will be billed** in full.
- Cheques must be made in favour of 'FMM Institute'.
- FMM Institute SST Registration No: **W10-1901-32000105**

CANCELLATION / DISCONTINUATION :

- Must be in Writing with Reasons
- 7 days before course starts – **No payment charged**
- 3 – 6 days before course starts – **50% payment charged**
- < 3 days before course starts – **Full payment charged**
- Participants who **did not turn-up will be charged full.**
- Replacements can be accepted at no additional cost.
- For **discontinuation, payment made will be forfeited.**

DISCLAIMER :

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

TRAINER~ Experience and Specialist in Steam Engine Driver (Boilerman). **Kindly contact FMM Institute for Trainer Profile.**

REGISTRATION FORM

FMM Institute Perak Fax : 05-5488221

Dear Sir/Madam, please register the following participants for the above Training :

Name			Grade (please ✓)
			1
Designation			2
IC No			Age
Qualification			
Experience	years	HP No	

Name			Grade (please ✓)
			1
Designation			2
IC No			Age
Qualification			
Experience	years	HP No	

(Please attach a separate list if space is insufficient)

Submitted by :

Name	
Designation	
Company	
Address (O / H)	
Tel No	Fax No
M/ship No	Email

We hereby confirm that (Please tick (✓) in the appropriate box) :

- We will be **claiming** under **HRD Corp Claimable Courses scheme** and **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 **HRD Corp Claimable Courses scheme**. Enclosed cheque/bank draft No _____/bank-in slip being payment for ___ participant(s) made in favour of **FMM Institute**.