



FMM INSTITUTE (Centre for Professional Development)

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FMM Certificate in Boilerman

SBL SCHEME

The **FMM Certificate in Boilerman** is specially developed to upgrade the Theoretical and Operational Skills of the current workforce in handling Steam Boilers in various sectors. Conducted in Bahasa Malaysia, the Certificate programme will provide the knowledge to upgrade the skills of Boiler Supervisors, Operators, Assistants and Apprentice on matters relating to Operations, Mounting and Fittings, Inspections and Maintenance of Boilers at the workplace.



COURSE OBJECTIVES

This programme will:-

- Enhance knowledge and upgrade the skills of personnel handling and operating steam Boilers in order to efficiently manage and handle steam boilers towards better work performance
- Create opportunities for career advancement
- Prepare participants to sit for the Boilerman Examinations conducted by Jabatan Keselamatan dan Kesihatan Pekerjaan (JKKP/DOSH)

WHO SHOULD ATTEND

At least 2 years of working experience as a Steam Engine or Steam Boiler Attendant (directly handling Boiler) or at least 3 years working experience as an Apprentice or Journeyman Fitter in a Steam Plant or Engineering Workshop (indirectly handling Boiler)

ENTRY REQUIREMENTS

- Malaysian citizen, no less than 21 years of age
- At least 2 years of working experience as a Steam Engine or Steam Boiler Attendant (directly handling Boiler) or at least 3 years working experience as an Apprentice or Journeyman Fitter in a Steam Plant or Engineering Workshop (indirectly handling of a Boiler)

COURSE STRUCTURE

Number of Contact Days : 4 days
Lecture Days : Saturday & Sunday

ADMINISTRATIVE DETAILS

Date : **July 7, 8, 14 & 15, 2018**
Time : 9.00 am – 5.00 pm
Venue : **FMM Institute**
2nd Floor, Wisma FMM
No.3, Persiaran Dagang, PJU 9
Bandar Sri Damansara
52200 Kuala Lumpur
Fees : Member **RM 1,908.00** per pax
(inclusive of GST)
Non-Member **RM 2,544.00** per pax
(inclusive of GST)
(Refreshment and lunch will be provided)

Completed registration form, faxed, mailed or e-mailed to FMM Institute would be deemed as confirmed. There will be no refund or cancellation within 0-6 days prior to the programme, 50 % refund for cancellation between 7-13 days and full refund for cancellation 14 days prior to the programme. However, replacement can be accepted at no additional cost. The FMM Institute reserves the right to cancel or re-schedule the above programme and all efforts will be taken to inform participants of the changes.



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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 –Theory
 - Start-Up, Shut-Down and Blow-Down Procedures

- ❖ Essential Fitting and Mountings
 - Various Essential Fittings and Mountings
 - Functions of Each Essential Fittings/Mounting

- ❖ Preparation for Mandatory Inspection
 - Preparation and Assistance for Inspection

- ❖ Types of Test Related to Boilers
 - Hydrostatic Test, Steam Test and NDT, etc.

- ❖ Boiler Maintenance
 - Preventive Maintenance – Fire and Water sides, Fittings and Accessories

- ❖ Boiler House/Room Requirements
 - Log Sheets, Log Books, Responsibilities of Boilerman

- ❖ Construction of Boilers
 - Methods of Joints i.e. Welded
 - Welding of Shell and Drums, Tube Plate to Shell, Tubes to Tube Plate and Fuel Gas Path

- ❖ Water Treatment
 - Internal and External Treatment and Various Test

- ❖ Boiler Commissioning

- ❖ Boiler Accessories
 - Functions of the Various Boiler Accessories

- ❖ Oral Revision



REGISTRATION FORM

FMM Certificate in Boilerman

Saturday & Sunday, Date: July 7, 8, 14 & 15, 2018 Venue: FMM Institute, Kuala Lumpur

(To be completed in BLOCK LETTERS)

A. PERSONAL PARTICULARS

Full Name (Mr/Ms) : _____ NRIC No. _____
 Designation : _____ Name of Company : _____
 Permanent Address : _____
 Correspondence Address : _____
 (if different from permanent address)
 Tel No. (H) : _____ (O) : _____ Fax No. : _____
 E-mail Address : _____ H/P No: _____
 Date of Birth : _____ Sex : _____ Age : _____ Nationality : _____ Race : _____

B. EDUCATIONAL BACKGROUND

Name of School / Institution	Years Attended From To	Highest Qualification Obtained
Secondary : _____	_____	_____
College / University : _____	_____	_____
Any Special Professional Course : _____	_____	_____

C. SPONSORSHIP

Company Sponsored Self Sponsored Please Tick (√)

D. SUBMITTED BY (To be filled if sponsored by company)

SBL Non Contributor Please Tick (√)

Name : _____ Designation : _____
 Company Name: _____
 Company Address : _____
 Tel No. : _____ Fax No. : _____ E-mail Address : _____
 FMM Membership No: _____ My Corporate Identity No : _____ GST Registration No: _____

E. DECLARATION

I hereby declare that the information provided is correct and complete.

Signature of Participant: _____ Date: _____

Payment Advice:
 Enclosed cheque/bank draft No. _____ for RM _____ being payment for _____ participant(s) made in favour of "FMM Institute".