



FMM INSTITUTE (Centre for Professional Development)

Wisma FMM, No. 3, Persiaran Dagang, PJU 9, Bandar Sri Damansara, 52200 Kuala Lumpur
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Certificate in Boilerman (Engine Driver-Steam Boiler)

SBL SCHEME

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



COURSE OBJECTIVES

This programme will:-

- Upgrade the knowledge and skills of current personnel's handling and operating of steam Boilers and to further upgrade the skills of Boilerman.
- 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.
- Prepare participants to sit for the Boilerman Examinations conducted by Jabatan Keselamatan dan Kesihatan Pekerjaan (JKKP/DOSH).

WHO SHOULD ATTEND

Steam Engine or Steam Boiler Attendant (directly handle boiler) and Apprentice or Journeyman Fitter in a Steam Plant or Engineering Workshop (Indirectly handling of boiler)

COURSE STRUCTURE

Number of Contact Days : 4 days
Lecture Days : Saturday & Sunday
Contact Hours : 32 Hours

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).

ADMINISTRATIVE DETAILS

Time: 9.00 a.m – 5.00 p.m
Venue: **FMM Institute**
2nd Floor, Wisma FMM
No.3, Persiaran Dagang, PJU 9
Bandar Seri Damansara,
52200 Kuala Lumpur
Fees: Member **RM 1,400.00** per pax
Non-Member **RM 1,800.00** per pax
(Fees do not include meals)

Completed registration form, faxed, mailed or e-mailed to FMM Institute would be deemed as confirmed. There will be no refund or cancellation within 0-5 days prior to the programme, 50 % refund for cancellation between 6-9 days and full refund for cancellation 10 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 & 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 – Site Visit/Theory
 - Start-up, Shut-Down and Blow-Down procedures
- ❖ Essential Fittings 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 & External Treatment and various Test
- ❖ Boiler Commissioning
- ❖ Boiler Accessories
 - Functions of the Various Boiler Accessories Oral Revision



REGISTRATION FORM

Certificate in Boilerman (Engine Driver- Steam Boiler)

Saturday & Sunday, Date: Apr 14 – 22, 2012, 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

Table with 3 columns: Name of School / Institution, Years Attended (From, To), Highest Qualification Obtained. Rows for Secondary, College / University, and Any Special Professional Course.

C. SPONSORSHIP

[] Company Sponsored [] Self Sponsored Please Tick (√)

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

[] SBL Please Tick (√)

Name : _____ Designation : _____

Company Name: _____

Company Address : _____

Tel No. : _____ Fax No. : _____ E-mail Address : _____

FMM Membership No: _____ PSMB Code 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".

Please fax or mail the registration form to : Hasnah / Anitha Tel : 0362867200 Fax : 03-62776712 / 62761316 Wisma FMM, No 3, Persiaran Dagang, PJU 9, Bandar Sri Damansara, 52200 Kuala Lumpur. E-mail : hasnah@fmm.org.my or anitha @fmm.org.my Website : www.fmm.edu.my