

1 DAY COURSE ON HYDRAULIC SERVICES

By: Ir. Lam Kim Seong

ONLINE COURSE DATES

MONDAY, 15th NOVEMBER 2021

REGISTRATION FEES:

IEM Member : RM380.00

Non-IEM Member: RM530.00

BEM Approved CPD 6 Hours

Ref. No IEM21/PP/009/C (w)

INTRODUCTION

Plumbing systems are essential building services for all categories of building. In order to produce a well-designed and economical, plumbing system, a design engineer has to acquire the fundamental knowledge of design criteria and applicable standards. This course presents criteria pertinent to the design of the water supply and distribution system, hot water system and sanitary plumbing system

WHO SHOULD ATTEND

- ❖ Engineers and designers involved in delivery of cold & hot water and sanitary plumbing systems in buildings.
- ❖ Engineers pursuing the route to be a professional engineer

LEARNING OBJECTIVES

To provide participants with the following knowledge and skills:

Water Supply System:

- ☐ Determine water demand in relation to building occupancy type
- ☐ Knowledge of different piping distribution system
- ☐ Understand the concept of loading units in water pipe sizing
- ☐ Pressure boosting system design

Hot Water System:

- ☐ Determination of hot water demand
- ☐ Understand the concept of storage and recovery rate for system sizing
- ☐ Hot water recirculation design

Sanitary Plumbing:

- ☐ Understand the concept of discharge units in stack design
- ☐ Select the appropriate piping system
- ☐ Differentiation of ventilated and unventilated discharge piping
- ☐ Correct and economical application of ventilating pipes
- ☐ External sewer drainage

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BRIEF BIODATA OF COURSE LEADER

Ir. Lam Kim Seong holds a Bachelor of Engineering (Hons.) Degree in Mechanical Engineering from the University of Malaya. He is a registered Professional Engineer with a practicing certificate with the Board of Engineers, Malaysia and is a GBI Accredited Facilitator. Ir. Lam is a Corporate Member of the Institution of Engineers, Malaysia (IEM), a member of the ASHRAE Malaysia Chapter, Association of Consulting Engineers Malaysia (ACEM) and Malaysia Green Building Council.

Ir. Lam is also active in various professional bodies. He is a board member and a past president of ASHRAE Malaysia Chapter. He also represents IEM, ACEM and MASHRAE in various technical working groups under SIRIM, Kementerian Tenaga, Teknologi Hijau dan Air (KeTTHA) and Suruhanjaya Perkhidmatan Air Negara (SPAN). He was a Trainer and Examiner in the GBI Facilitator course.

PROGRAMME

| | | | |
|---------------|--|---------------|--|
| 08:30 – 09:00 | Registration | 12:30 – 13:30 | Lunch |
| 09:00 – 10:30 | Overview of standards and guidelines | 13:30 – 15:00 | Water heaters selection and sizing |
| | Water demand and storage determination | | Determination of heating energy |
| | Overview of water supply distribution system | | Hot water recirculation system design |
| 10:30 – 11:00 | Tea Break | 15:00 – 15:30 | Coffee Break |
| 11:00 – 12:30 | Transfer pump selection | 15:30 – 17:00 | Concept of vented and unventilated discharge pipe system |
| | Pressure booster system sizing | | Discharge stack capacities/sizing |
| | Distribution pipe sizing | | Below ground discharge system |
| | | | External sewer system design |

REGISTRATION FORM

Email: iemta@iem.org.my Webpage: www.iemtc.com

| Date | IEM Member | Non Member |
|--|-----------------------------------|-----------------------------------|
| MONDAY, 15 th NOVEMBER 2021 | <input type="checkbox"/> RM530.00 | <input type="checkbox"/> RM848.00 |

| No | Name(s) | M'ship Grade & No. | Email Address | Mobile No. | Fee (RM)* |
|---------------|---------|--------------------|---------------|------------|-----------|
| | | | | | |
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| | | | | | |
| TOTAL PAYABLE | | | | | |

You may make payment via Telegraphic Bank Transfer (Please forward soft copy of payment advice):-

Account Name: **IEM TRAINING CENTRE SDN BHD**

Account Number: **514169143176**

Bank Name: **Malayan Banking Berhad**

Bank Address: **Jalan Sultan, 46200 Petaling Jaya, Selangor Darul Ehsan, Malaysia**

Swift Code: **MBBEMYKL**

Enclosed herewith a crossed cheque No: _____ for the sum of RM _____ issued in favour of "**IEM Training Centre Sdn Bhd**" and crossed 'A/C payee only'. I/We understand that the fee is not refundable if I/We withdraw after my/our application is accepted by the Organising Committee as stated in the **cancellation term**. If I/We fail to attend the seminar, the paid registration fee will not be refunded.

Terms & Conditions:

- **Closing date: Three (3) Days before the event**
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / WALK-IN
- **Kindly take note that all telegraphic charges to be borne by the participants.**
- FULL PAYMENT must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participants fail to attend the course, the fee is to be settled in full.
- Fee paid is not refundable. Registration fee includes lecture notes, refreshment.
- **IEM Training Academy Sdn Bhd (IEMTA) reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment.**
- **Please be informed that the course will only be carried out if there is sufficient number of participants. The confirmation or cancellation email will be sent to the registered email address one or two weeks before the event dates.**

CANCELLATION POLICY

IEMTA reserves the right to postpone, reschedule, allocate or cancel the course. Full refund less 30% if cancellation is received in writing more than 7 days before the start of the event. No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with prior notification and substitute will be charged according to membership status.

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| Contact Person: | |
| Designation: | |
| Name of Organization: | |
| Address: | |
| | |
| Telephone No. - | |
| Office: | H/Phone |
| Email: | |
| Signature: | Company Stamp: Date: |