FLOW MEASUREMENT SYSTEMS AND APPLICATION

SPECIALIZED SEWERAGE TECHNICAL COURSES

COURSE DESCRIPTION

This course is designed to provide an understanding on requirements for flow measurement in sewerage systems; the specific flow measurement systems and the velocity-area method.

COURSE OBJECTIVES

At the end of the course, participants will understand and be familiar with:

- ❒ The regulatory requirements for flow measurements in sewerage systems
- ❒ The needs and importance of flow measurement in sewerage systems
- ❒ The principles of flow measurement
- ❒ Designing flow measurement system for sewerage systems

COURSE CONTENT

- ❒ Overview of Requirements and Needs for Flow Measurements
- ❒ Principles of Flow Measurements
- ❒ Specific Flow Measurement Systems
  - Sharp-crested weirs
  - Short-crested weirs
  - Broad crested weirs and long-throated flumes
  - Parshall Flume
  - Palmer-Bowlus Flume
- ❒ Velocity-Area Method

DURATION

1 day

WHO SHOULD ATTEND

Engineers and technical personnel involved in design of flow measurement system for Sewage Treatment Works.

COURSE SCHEDULE

9.00am - 10.45am	❒ Overview of Requirements and Needs for Flow Measurements ❒ Principles of Flow Measurements
10.45am - 11.00am	**Coffee/Tea Break**
11.00am – 12.30pm	❒ Specific Flow Measurement Systems • Sharp-crested weirs • Short-crested weirs
12.30pm – 2.00pm	**Lunch Break**
2.00pm – 3.30pm	❒ Specific Flow Measurement Systems (Continue) • Broad crested weirs and long-throated flumes • Parshall Flume • Palmer-Bowlus Flume
3.30pm – 3.45pm	**Coffee/Tea Break**
3.45pm – 4.45pm	❒ Velocity-Area Method
4.45pm – 5.30pm	❒ Group Discussion

COURSE FEE

RM550.00