

## INTRODUCTION

This course outlines the performance testing and commissioning of M & E equipment and on civil structures of sewerage systems. Topics include material testing on appurtenances, alignment test on sewer reticulation, leakage/infiltration of sewer reticulation, pump performance test, ventilation, control panel, aeration systems, weir levels, water leakage test, sand drying bed, mechanical thickening and dewatering, polymer dosing and effluent discharge standards & commissioning.

## COURSE OBJECTIVE

This course is designed to give an introduction to testing and commissioning of sewerage systems such as sewer reticulation, pumping station, sewage treatment plant and sludge treatment

## COURSE CONTENT

- Material testing on appurtenances
- Alignment test on sewer reticulation
- Leakage/Infiltration on sewer
- Pump performance test
- Ventilation
- Control panel
- Aeration systems
- Pumping/ Air lift
- Weir levels
- Water leakage test on R.C. Structures
- Sand Drying bed
- Mechanical thickening/dewatering
- Polymer dosing
- Effluent Discharge Standards & Commissioning



## LEARNING OUTCOMES

At the end of the course, participants will be able to:

- Understand various types of equipment used in sewerage treatment technology.
- Understand various type of performance testing & commissioning of M&E equipment and on civil structures.

## DURATION

1 Day

## COURSE FEE

RM550.00 per person

## WHO SHOULD ATTEND

This course is recommended for engineers and technical personnel involved in testing & commissioning of sewerage projects.

## METHODOLOGY

The course will be delivered interactively through lectures, group discussion and case studies. Assessment will be conducted at the end of the training session.