



THE INSTITUTION OF ENGINEERS, MALAYSIA

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Talk on “Rationalisation of Sewerage System in Malaysia”

(Organized by the Water Resources Technical Division, IEM)
BEM Approved CPD/PDP Hours: 2 Ref NO: IEM16/HQ/512/T

Date : 17th December 2016, Saturday (Rescheduled from 12th November 2016, Saturday)
Time : 9.00pm to 1.00pm (Refreshment will be served on 2nd Floor)
Venue : C&S Lecture Room, 2nd Floor, Wisma IEM, PJ
Speaker : Ir. Dr. Tony Chan

SYNOPSIS

Malaysia government has embarked a series of sewerage revolutions with the aim to clean up the river system nationwide in order to secure the water resources for the future generations. Various published reports revealed most of our important water catchments are at threat and is required an immediate remedy to mitigate the continuous deterioration in water quality. The major pollutants are Biochemical Oxygen Demand (BOD) and Ammoniacal Nitrogen (NH₃-N). High BOD is contributed largely by untreated or partially treated sewage and discharges from agro-based and manufacturing industries. The main sources of NH₃-N are primarily sourced from the domestic sewage and livestock farming, both pollution sources are directly linked to human activities.

The Government also concerned the contaminations will affect the water security for the nations in particularly in the high density townships where water supply is highly depending on fluvial resources. For instance, the Langat River, currently contributes 12% of the total water supply in the Selangor state, ranked the 3rd largest source of water after Selangor River and Semenyih River.

Several high profiles sewerage developments; just to name a few; Pantai 2, Langat CSTP and Ipoh Papan etc) have been strategically executed by Kettha Ministry, through the Implementing Agency; Jabatan Perkhidmatan Pembetungan (JPP). To date, a significant of budget has been allocated under the 11th Malaysia Plan to deliver these nationwide projects to be executed over the 10 years. The primarily elements in this development include construction of the centralised sewerage treatment plant, sewer conveyance system and lifting pumping stations.

This seminar covers 2 sessions; 1st Session focuses on the nationwide sewerage delivery programme presented by Director General of JPP and the 2nd Session will discuss on the technical & design challenges faced by the Langat contractor, to be delivered by Head of Design & Technical of MMC PLSB.

BIODATA OF SPEAKER

Ir. Dr. Tony Chan is a Chartered Civil Engineer (CEng) and Qualified Professional Engineer (Ir) with over twenty years' experience in research development, advisory, and execution of Urban & Green infrastructures. He is a seasoned water expert and had led some time critical complex urban infrastructures internationally including London Olympic Development, Lee Valley Combined Storm-Sewer System, DTSS in Singapore and Wastewater Management in Egypt under World Bank's Millennium Development Goal mission. Dr. Tony Chan is currently Group General Manager in MMC Group responsible for spearheading the engineering and technical portfolio. He is also the Head of Design and Technical for the Pembetungan Langat Project.

ANNOUNCEMENTS TO NOTE:

- Preferential admission to talk shall be accorded to IEM members (pre-registration and online registration are NOT required). Telephone and/or fax reservation will NOT be entertained.
- **Non-members** may also attend the talk but will need to pay a registration fee of **RM50** and an administrative fee of **RM15**. GST is inclusive.
- For members of affiliated organisations, there will be no registration fee payable. However, they are requested to produce their membership card as proof of membership. For the list of affiliated organisations, please refer to IEM website at www.myiem.org.my under International/MoU.
- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- IEM members are required to produce membership cards for confirmation of attendance (CPD purpose).
- Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD.
- *IEM members who fail to produce their membership cards will be charged a fee of **RM25.00**. GST is inclusive. co*

ADMINISTRATIVE FEE

- Kindly be informed that an administrative fee of **RM15** is payable for talks organized by IEM. GST is inclusive.
- The fee would be used to cover overhead costs, building maintenance expenses as well as contribute to Wisma IEM Building Fund.
- All contributions will be deeply appreciated by IEM.
- Student Members are however exempted.

CPD HOURS CONFIRMATION

Name:

Membership No:

Signature:

Ir. Dr. Wong Wai Sam
Chairman
Water Resources Technical Division, IEM