



THE INSTITUTION OF ENGINEERS, MALAYSIA

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Talk on Application of Precast Concrete for Railway Track

Organized by: Seniors Special Interest Group and Civil & Structural Engineering Technical Division, IEM
BEM Approved CPD/PDP Hours: 2 Ref No: IEM18/HQ/197/T

Date : 28th June 2018 (Thursday)
Time : 5.30pm – 7.30pm (Refreshment to be served at 5.00pm)
Venue : TUS and C&S Lecture Room, 2nd Floor, Wisma IEM
Speakers : Ir. Ng Kok Peng

SYNOPSIS

Rail transportation is gaining popularity as a form of land transport for mass movement of people and goods to beat traffic congestion. This is attributed to advances in engineering and technology, like electrification, telecommunication, signaling and train speed. Of late, there are many massive infrastructure projects involving railway construction in one form or another, be it city metros like MRT or LRT, high speed railway and even heavy haul lines.

In the construction of these railway tracks, various forms of precast concrete have been effectively used due to their superior quality and accuracy. Besides the traditional foundation piles, viaduct structures and tunnel linings in precast, the talk will focus on precast concrete used directly for the railway track. Precast concrete sleepers, track slabs and other forms are now widely used for track construction. The talk will focus on their usage and trace the development and evolution of the various precast concrete systems for both ballasted and ballastless tracks. The technology is still evolving in all areas of applications, in tandem with latest railway technology. Various alternatives are highlighted considering the cost, durability, buildability and ease of maintenance.

BIODATA OF SPEAKER

Ir. Ng Kok Peng graduated from the University of Malaya with B.E.Hons (Civil Engineering) in 1981 and also holds an MBA in 1993 from the same university. He is a Fellow of the IEM, a Professional Engineer with Practicing Certificate registered with BEM, a Corporate Member of the ICE, UK and a Chartered Engineer registered with the Engineering Council, UK.

Ir. Ng spent his initial years after graduation with a consulting engineering firm working on both civil and structural engineering design and supervision of many projects. He later joined concrete products manufacturers working on cement and concrete mix design and precast concrete for both building and infrastructural works. He is a keen advocator on the use of mechanization and technology to improve efficiency and productivity in construction.

Ir. Ng is currently the Advisor of Eastern Pretech (Malaysia) Sdn Bhd, a company that manufacture precast components for IBS and for infrastructure applications.

Ir. Frankie Chong Kwet Hin
Chairman
Senior Special Interest Group, IEM

Ir. Dr. Ng Soon Ching
Chairman
Civil & Structural Engineering Technical Division, IEM

ANNOUNCEMENT TO NOTE

Effective 1st October 2017

FEEES FOR TALKS

Members

Registration Fee
Free of Charge - FOC

Administrative Fee

Online - RM15.00
Walk In - RM20.00

Non-Members

Registration Fee:
RM50.00
Administrative Fee:
RM20.00

Limited seats are available on a "first come first served" basis (maximum 100 participants).

To secure your seat, kindly register online at www.myiem.org.my

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