



IEM - CSETD Technical Visit To Lafarge Kanthan Cement Plant Report on Specifying Concrete to EN 206 For Sustainability

By Ms. Wong Ai Ming

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IEM CSETD and Lafarge Malaysia Berhad co-organized the technical visit to Lafarge Kanthan Cement Plant Perak, on 11 December 2015. There were 30 participants in total, where 18 of them were from IEM Selangor and 12 from IEM Perak. The chartered coach departed from Wisma IEM at 7.30am and arrived at Lafarge Kanthan Cement Plant at 10.45am.

The Participants were welcomed by the Plant Manager, who gave a slide presentation on the Plant set up and operation after the safety briefing on the Plant. The Plant Manager explained the process of cement manufacturing, starting from the raw materials such as limestone, clay, iron ore and sand. This raw mix material is heated in the preheater tower before they enter the kiln. Clinker is produced at 1450degC in the kiln. This clinker is then rapidly cooled and stored in a clinker silo. They are then ground with gypsum to produce cement. Lafarge Kanthan Cement Plant, an integrated Cement Plant, has been in operation since 1964. The rated capacity of the Plant is 3.2million mt clinker and 3.8million mt cement. It produces both Bag and Bulk cement, which include Ordinary Portland Cement and Blended Cement, with strength ranges from 32.5N to 52.5N, complying to MSEN 197.

After the Plant briefing, the participants went for the Plant tour. We were divided into 2 groups for the tour, and we were well equipped by Lafarge with all the necessary PPE (Personal Protection Equipment) before the Plant visit.

The participants toured the Kiln area, the main activity of the Cement Plant, the Control Room, which controls and monitors the feed data and other relevant information of the Raw Mill, Kiln and Cement Mills, and the Physical and Chemical Laboratories, where cement testings are carried out daily. Other structures that we observed included the tall Preheater Tower and the Silos.

After the Plant tour, there was a Q&A session and followed by the presentation of a token of appreciation to the Plant Manager Mr. Jean Yves Clement from IEM C&SETD Chairman Ir. Hooi Wing Chuen. In summary, this technical visit to the Lafarge Kanthan Cement plant was an informative and educational tour for the participants. We appreciated Lafarge Malaysia Berhad for their willingness to share and transfer knowledge of cement production to IEM members.



The token of appreciation to the Plant Manager Mr. Jean Yves Clement from IEM C&SETD Chairman Ir. Hooi Wing Chuen.



Group photo of Participants at the technical visit to Lafarge Kanthan Cement Plant, Perak.