IEM OGMTD Visit to Petronas Penapisan Melaka

By : Muhamad Apandi Osman

A group of about 40 engineers/ engineering undergraduates vis ited Petronas Penapisan Melaka Sdn Bhd (PPMS B) on 18 June 205. They were received by En Mokhtar Ahmad (Executive, Legal and Corporate Affairs Department) and En Hashim Majid (Manager, Production Department).

PPMSB – GENERAL

Melaka Refinery is Petronas Second Refinery (PSR). It is located in Mukim Sungai Udang. It comprises two processing trains ; PS R-1 AND PS R-2.

PSR-1

PS R-1 is located on a 350-acre s ite. It is fully-owned by Petronas. It started operation in 1994. Its design capacity is 100,000 barrels per day (bpd). It is a hydroskimming plant.

PSR-1 is a sweet train refinery. Its feed stock are Tapis Crude (Terengganu), Terengganu Condensate and Bintulu Condensate. Its products are LPG, petrochemical naphtha, motor gasoline, kerosene/Jet A-1, diesel and Low Sulphur Waxy Res idue (L-SWR).

PSR-2

PSR-2 is located on a 270-acre s ite. It is owned by Malaysia Refining Company Sdn Bhd (joint-venture between Petronas, Conoco and S tatoil). It s tarted operation in 1999. Its des ign capacity is 100,000 bpd. It is a Deep Convers ion plant.

PSR-2 is a sour train refinery. Its feed stock are Tapis Crude (Malays ia), Iranian Heavy (Iran), Bas rah Light (Iraq), Dubai (UAE), Belida (Indonesia), Duri (Indones ia) and Arabian Heavy/Medium/Light (Saudi Arabia). Its products are LPG, petrochemical naphtha/motor gasoline, kerosene/Jet A-1, diesel, fuel oil, sulphur, asphalt and coke.

OTHER FACILITIES

Other facilities available at PPMSB are:

a) Single Point Mooring System – for receiving crude oil
b) Storage Tanks – for storage of crude oil, products, utility and fire fighting
c) Tank Truck Loading Rack – for loading motor gasoline, diesel, kerosene/Jet A-1, LPG, asphalt
d) Sulphur Handling Facilities
e) Coke Handling Facilities
f) Laboratory Facilities
g) Fire Station