

LANGAT CENTRALISED SEWAGE TREATMENT PLANT EQUIPPED WITH GREEN TECHNOLOGY WILL CONTRIBUTE TO SUNGAI LANGAT PRESERVATION EFFORTS

KAJANG, 1 March 2019 – The Langat Sewerage Project which is carried out by the Department of Sewerage Services (JPP) under the Ministry of Water, Land and Natural Resources (KATS), opened its doors to members of the media yesterday during its first media familiarisation visit at the project site in Kampung Sungai Balak, Kajang, Selangor. The visit was held to commemorate the progress of project development which is nearing completion scheduled in 2021. This modern sewage treatment plant will benefit the local Cheras-Kajang population by releasing efficiently treated clean water into Sungai Langat. MMC Pembetungan Langat Sdn Bhd (MMC PLSB) is the main contractor entrusted to deliver this national infrastructure project.

Sungai Langat is one of the key water sources for Klang Valley. In total, there are six water collection and treatment plants located along Sungai Langat namely at Pongsoo, Lolo, Serai, Langat, Batu 11 Cheras and Bukit Tampo. Previously, there was an occasional disruption of water supply especially when the ammonia rate is high in Sungai Langat which believed to be caused by industrial discharge and poorly treated effluents from sewage treatment plants.

The Langat Centralised Sewage Treatment Plant (Langat CSTP) will be able to treat effluents within Standard A parameters as required by the Department of Environment (DOE) under the Environmental Quality Act 1974 - Environmental Quality (Sewage) Regulations 2009.

Upon completion, the Langat CSTP will replace small sewage treatment plants within the Cheras-Kajang area and connect upcoming development areas with this network of modern sewerage facilities.

The treatment plant which is built on a 7.3 hectares land will be capable to accommodate sewage inflow of 207,000m³ in a day or 920,000 population-equivalent (PE), covering a total of 77.6 sq km catchment area which include Cheras Batu 11, Cheras Jaya, Desa Baiduri as well as Kajang 1 and 3. This RM1.5 billion-worth project is designed to achieve the Class 1 water quality, specifically in reducing the ammonia level along Sungai Langat.

Based on the current practice, the land area of 7.3 hectares can only accommodate 300,000 (PE). MMC PLSB has successfully incorporated the Deep Aeration Method With Step-Feed Multi Stage De-Nitrification Process within the Langat Centralised Sewage Treatment Plant which increased sewage inflow capacity up to three times with the same size of land area.

The infrastructure of the Langat CSTP is inspired by the successful Tokyo Metropolitan Sewerage Service in Japan, an innovative and modern facility equipped with green technology initiatives. The Langat CSTP will be equipped with recreational facilities for the public such as sixteen badminton courts, two takraw courts, two basketball courts, two futsal courts, a children's playground and a community hall.

During the visit, members of the media were also joined by Ir Syed Jaafar Iddid Bin Syed Abdyllah Iddid, Director General of Department of Sewerage Services. Technical bodies, professionals, students and general public are welcomed to visit the Public Information Centre at the Langat CSTP to learn more about the project. Requests and inquiries can be made via phone to 1300-88-7572 or email to plsbcomms@mmc.com.my.



Caption: MMC PLSB is the main contractor for the construction of Langat Centralised Sewage Treatment Plant that has the capacity of 920,000 population equivalent covering a total of 77.6 sq km catchment area starting from Cheras Batu 11 to Kajang. It is designed to achieve the Class 1 water quality, specifically in the ammonia removal. Langat Sewerage Project is one of the initiatives and the main component in the Sewerage Non-River project under the Greater KL programme.

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About MMC Pembetungan Langat Sdn Bhd

MMC Pembetungan Langat Sdn Bhd, a member of MMC Corporation Berhad, was awarded by the Ministry of Water, Land and Natural Resources to embark on a 59-month project to design and build a technologically advanced sewage treatment centre named the Langat Centralised Sewage Treatment Plant and Sewer Conveyance System (Langat CSTP).

It is one of the Greater Kuala Lumpur anchor projects implemented by Jabatan Perkhidmatan Pembetungan and designed based on the Tokyo Metropolitan Sewage System. The facility will be able to accommodate an inflow of 920,000 population-equivalent with the catchment area of 60.9 sq km stretching from Cheras Batu 11 to Kajang. It is designed to achieve the Class 1 water quality, specifically in the ammonia removal, an “integrated” space to promote best use of space and carbon reduction by means of Green Technology driven initiatives.

Enquiries

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About MMC Corporation Berhad

MMC Corporation Berhad (MMC) is a leading Utilities and infrastructure group with diversified businesses under three divisions, namely Ports and Logistics, Energy and Utilities and Engineering.

Its key businesses under the Ports and Logistics division include the operations of Pelabuhan Tanjung Pelepas Sdn Bhd, Johor Port Berhad, Northport (Malaysia) Bhd, Penang Port Sdn Bhd, Tanjung Bruas Port Sdn Bhd and Kontena Nasional Berhad. Internationally, MMC has presence in Saudi Arabia via Red Sea Gateway Terminal Company Limited, a container port terminal within the Jeddah Islamic Port.

Under the Energy and Utilities division, MMC is the single largest shareholder of both Malakoff Corporation Berhad and Gas Malaysia Berhad.

MMC's Engineering division has played a major role as the Project Delivery Partner (PDP) and underground works package contractor in completing the 51 km Klang Valley Mass Rapid Transit (KVMRT) Sungai Buloh- Kajang project (SBK Line) and is now the main contractor for the entire Sungai Buloh-Serdang-Putrajaya project (SSP Line). Prior to this, MMC has successfully completed the 329 km Ipoh-Padang Besar Electrified Double Tracking Project as well as the innovative Stormwater Management and Road Tunnel (SMART) motorway, the first of-its-kind, dual-purpose tunnel in the world. MMC is also undertaking key civil and infrastructure projects in the country namely Langat Centralised Sewerage Treatment Plant and Langat 2 Water Treatment Plant. MMC also has a 20% effective interest in Borneo Highway PDP Sdn Bhd (BHP), the appointed project delivery partner for the Pan Borneo Highway Project in Sabah.

In other businesses, MMC wholly-owns Aliran Ihsan Resources Berhad, a company which specialises in the full spectrum of water treatment and Senai Airport Terminal Services Sdn Bhd, the operator of Senai International Airport in Johor Bahru - a major aviation hub and the main air transportation gateway to Iskandar Malaysia. The Group Property arm of MMC manages close to 6,000 acres of industrial developments in Iskandar Malaysia, Johor and Kulim, Kedah, namely Senai Airport City, Tanjung Bin Petrochemical & Maritime Industrial Centre (TBPMIC) and Northern Technocity (NTC). The Senai Airport City, TBPMIC and NTC developments come under the ambit of the Group Property's three operating companies – Senai Airport City Sdn Bhd, Seaport Worldwide Sdn Bhd and Northern Technocity Sdn Bhd respectively.

Enquiries

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